



# Final Environmental Assessment

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FM 565 Extension Project  
Beaumont District

FM 565 (From Loop 207 to State Highway 146)  
CSJ: 1024-01-070  
Chambers County, Texas  
May 2015

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## **Acronyms**

AADT	average annual daily traffic
ACHP	Advisory Council on Historic Preservation
AHPA	Archeological and Historical Preservation Act
APE	Area of Potential Effects
ARPA	Archeological Resources Protection Act
AST	Aboveground Storage Tank
BMP	best management practices
CAAA	Clean Air Act Amendments
CEI	Coastal Environments, Inc.
CEQ	Council on Environmental Quality
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
CGP	Construction General Permit
CMP	congestion management process
CWA	Clean Water Act
dB	decibels
dB(A)	A-weighting decibels
Enterprise	Enterprise Products Operating LLC
EO	Executive Order
FEMA	Federal Emergency Management Agency

FHWA	Federal Highway Administration
FM	Farm-to-Market
FONSI	Finding of No Significant Impact
FPPA	Farmland Protection Policy Act
FWCA	Fish and Wildlife Coordination Act
H-GAC	Houston-Galveston Area Council
IBWC	International Boundary and Water Commission
IH	Interstate Highway
IRIS	Integrated Risk Information System
LEP	limited English proficiency
Leq	equivalent sound level
LPST	Leaking Petroleum Storage Tank
mph	miles per hour
MS4	Municipal Separate Storm Sewer System
MSAT	Mobile Source Air Toxics
MTP	Metropolitan Transportation Plan
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NAGPRA	Native American Graves Protection and Repatriation Act
NATA	National Air Toxics Assessment
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NOI	Notice of Intent
NPL	National Priorities List
NWP	Nationwide Permit

PM	particulate matter
RCRA	Resource Conservation and Recovery Act
ROW	right-of-way
RTHL	Recorded Texas Historic Landmarks
RTP	Regional Transportation Plan
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SAL	State Antiquities Landmark
SH	State Highway
SHWS	State Hazardous Waste Sites
SOV	single occupancy vehicle
SW3P	Stormwater Pollution and Prevention Plan
TARL	Texas Archeological Research Laboratory
TCEQ	Texas Commission on Environmental Quality
TERP	Texas Emissions Reduction Plan
THC	Texas Historical Commission
TIP	Transportation Improvement Program
TPDES	Texas Pollutant Discharge Elimination System
TPH	Total Petroleum Hydrocarbon
TPWD	Texas Parks and Wildlife Department
TSS	total suspended solids
TxDOT	Texas Department of Transportation
TXNDD	Texas Natural Diversity Database
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service

VMT	vehicle miles traveled
VOCs	volatile organic compounds

# 1 Proposed Action

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Enterprise Products Operating LLC (Enterprise) proposes to construct a new two lane roadway on a new location as an extension of Farm-to-Market (FM) 565 from Loop 207 (Main Street) to State Highway (SH) 146 located in Mont Belvieu, Chambers County, Texas (Proposed Action)(Appendix A). The area delineated for environmental surveys consisted of approximately 6.90 acres of maintained herbaceous habitat with scattered trees of various species (Proposed Action Area). This 6.90 acres includes the 2.96 acres of new right-of-way (ROW) proposed for donation by Enterprise for use of the Proposed Action and 0.60 acres of existing Avenue B. In addition, there is no additional ROW associated with the reconfiguration of the intersections at FM 565/Loop 207 and SH 146/FM 565. Upon completion and acceptance of the Proposed Action by the Texas Department of Transportation (TxDOT), the southern portion of Loop 207 would be abandoned by TxDOT between FM 565 and SH 146 and Enterprise and the City of Mont Belvieu would assume authority of and maintain the abandoned portion of Loop 207.

## 1.1 Existing Conditions

Currently, the west end of FM 565 terminates at the intersection with Loop 207 and individuals must travel north or south on Loop 207 to reach SH 146. State Highway 146 serves as the route into and out of Mont Belvieu from Interstate Highway (IH) 10. The existing FM 565, east of the intersection of Loop 207, consists of two 11-foot wide travel lanes with approximate 2-foot wide berm-like shoulders (Figure 1, Appendix B). The existing Loop 207, which runs both north and south of the intersection with FM 565 to SH 146, also consists of two 11-foot wide travel lanes with approximate 2-foot wide berm-like shoulders (Figure 2, Appendix B). Existing conditions for SH 146 include four 12-foot wide travel lanes with an additional 14-foot wide center turning lane and eight foot wide shoulders (Figure 3, Appendix B). Mont Belvieu city street Avenue B follows the general alignment of FM 565 but extends only approximately half way to Loop 207 from SH 146. Current conditions for Avenue B include two 6-foot wide travel lanes with no shoulder (Figure 4, Appendix B).

## 1.2 Proposed Action

The Proposed Action involves constructing two 12-foot wide travel lanes with 10-foot wide outside shoulders and no median, which matches the current design of the existing FM 565 (Figure 5, Appendix B). The proposed ROW width is 120 feet according to the Agreement to Accept Donation for Construction and Exchange of Right-of-Way between Enterprise and TxDOT. The new roadway (approximately 0.26 miles in length) will generally continue the existing alignment of FM 565 at Loop 207 and will incorporate the alignment of the existing city street Avenue B from 3rd Street to SH 146. Third Street will be closed at both sides of the new FM 565 with barricades. The proposed speed limit on the new portion of FM 565 will be the same as the existing FM 565, 40 miles per hour (mph). A traffic signal will be installed at the new intersection of SH 146 and FM 565 with turn lanes on FM 565 and SH 146. The stop sign on FM 565 at Loop 207 will be removed and stop signs will be installed on both sides of Loop 207 at FM 565. Loop 207 will become city maintained from FM 565 to south of West Williams Street. A gate will be installed on Loop 207 at the designated point south of West Williams Street,

becoming private with no public access. A road sign indicating “NO OUTLET” or “Traffic Closed to Through Traffic” will be installed to notify public traffic to turn around. At the intersection of SH 146 and Loop 207, Loop 207 will be closed with a gate placed on Loop 207, however, the existing traffic light will remain. All of the above referenced Proposed Action details are depicted in the Proposed Action Plan Map in Appendix C.

### **1.3 Funding for the Proposed Action**

Enterprise will fund the entire Proposed Action using private funds to cover all costs associated with the planning, construction and ROW transfer. The necessary ROW will be willingly donated to TxDOT as a single parcel, owned by Enterprise. The donation by Enterprise will result in the transfer of 2.96 acres of new ROW (not to include the area which is currently Avenue B) and requires the displacement and relocation of one business; Environmental Earth-Wise, Inc. Environmental Earth-Wise, Inc. is currently located directly adjacent to and on the east side of SH 146 south of Avenue B. Enterprise will be relocating Environmental Earth-Wise, Inc. to a larger tract of land on the north side of Avenue B but still directly adjacent to the east side of SH 146. The relocation of Environmental Earth-Wise, Inc. will have no impact on day-to-day business due to the whereabouts of the re-location being in such close proximity. In addition, the Proposed Action, which is a private, non-federally funded project, is consistent with transportation planning as promulgated by the Houston – Galveston Area Council and is determined as not being regionally significant; therefore, the Proposed Action is not listed in the Transportation Improvement Program (Appendix D).

### **1.4 Need for the Proposed Action**

The Proposed Action is needed because the intersections of Loop 207 and FM 565 and Loop 207 and SH 146 have long been a public safety concern for the City of Mont Belvieu, resulting in a request by the city for TxDOT to investigate the possible construction of the FM 565 extension, and in the passing of a resolution in support of the extension (Appendix E and F). Accident data from the City of Mont Belvieu Police Department in September 2013 show that between 2009 and 2013 there were a total of 62 accidents combined at these two intersections (25 accidents at the intersection of FM 565 and Loop 207 and 37 accidents at the southern intersection of SH 146 and Loop 207). The upper portion of Loop 207, which is not part of the Proposed Action, has recently been upgraded to current roadway standards. The lower portion of Loop 207 was constructed with older standards and has more narrow lanes, unpaved shoulders, and culverts that do not have safety end treatments. The southern portion of Loop 207 also bisects an existing Enterprise facility that is currently undergoing expansion, creating additional public safety concerns (Appendix G).

### **1.5 Purpose of the Proposed Action**

The purpose of the Proposed Action is to increase public safety; this will be accomplished in four ways. First, the intersection at FM 565 and Loop 207 will be reconfigured, reducing conflict points. Second, the highly skewed intersection of Loop 207 and SH 146 will be replaced by a perpendicular intersection at FM 565 and SH 146. Third, the North-South traffic will be shifted to a roadway built to modern

standards, utilizing SH 146 instead of Loop 207, which is currently a two lane roadway. State Highway 146 has four travel lanes and paved shoulders that are wider than Loop 207 (Appendix G). Lastly, traffic will no longer be required to traverse through an operating industrial facility. Additionally, there is a projected travel time benefit associated with the Proposed Action. The stop controlled condition for FM 565 at the intersection of Loop 207 and FM 565 will be eliminated, reducing delays. North-South traffic will be shifted to a higher speed roadway, utilizing SH 146 instead of Loop 207. SH 146 currently operates at a higher average speed than Loop 207 (55 mph vs. 40 mph). Travel time savings would most likely be in the 60 to 90 second range (Chris Cotter, PE and Transportation Manager at LJA Engineering Inc., personal communication).

## **1.6 Alternatives**

The only alternative to the Proposed Action is the No-Build Alternative. The No-Build Alternative would leave the existing roadway intact and would not provide a perpendicular intersection at FM 565 and Loop 207. In addition, the safety hazard of bisecting an Enterprise facility would remain. Therefore, the Proposed Action is the preferred alternative.

## **1.7 Right-of-Way**

The No-Build Alternative would not require additional ROW. The Proposed Action will require approximately 2.96 acres of additional ROW which does not include the area which is currently Avenue B. The proposed additional ROW would not include any resources that may be protected under Section 4(f) of the Department of Transportation Act of 1966. In addition, the ROW acquisition has and will be conducted in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act as 1970, as amended (Appendix H). The additional ROW requires the displacement and relocation of one business; Environmental Earth-Wise, Inc. Environmental Earth-Wise, Inc. is currently located directly adjacent to and on the east side of SH 146 south of Avenue B. Enterprise will be relocating Environmental Earth-Wise, Inc. to a larger tract of land on the north side of Avenue B but still directly adjacent to the east side of SH 146. The relocation of Environmental Earth-Wise, Inc. will have no impact on day-to-day business due to the whereabouts of the re-location being in such close proximity.

## **1.8 Bicycle and Pedestrian Accommodations**

The Proposed Action will take place in a rural area. Within the Proposed Action Area, the existing FM 565 main lanes do not currently include bicycle or pedestrian facilities; therefore, no bicycle or pedestrian facilities are planned in the Proposed Action construction plans. According to the TxDOT Environmental Handbook for Bicycle and Pedestrian Accommodations, new construction projects in rural areas do not require bicycle and pedestrian accommodations. However, the 10-foot wide paved shoulders may be utilized by bicycles or pedestrians in emergency situations. The current Proposed Action design would not prevent bicycle or pedestrian accommodations as part of future development.

## 2 Surrounding Area

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The Proposed Action is located in a rural area within the City of Mont Belvieu, Chambers County, Texas (Appendix A). Adjacent properties include parcels of land owned by Enterprise and Chambers County Land Company and one private entity; Patterson, Ronald L & Frank (Appendix I). The Proposed Action Area is located within an area mapped as Gulf Prairies and Marshes (McMahan et al. 1984). Based on a field investigation conducted in December 2010, the Proposed Action Area consisted of maintained herbaceous habitat with scattered trees of various species.

## 3 Areas of Environmental Concern

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### 3.1 Community

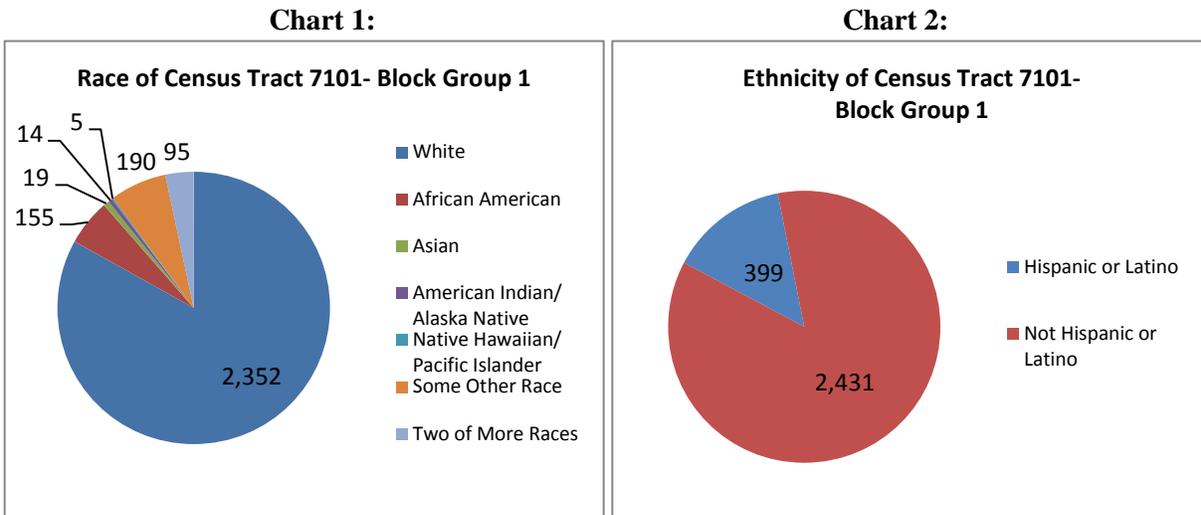
#### 3.1.1 Community Profile

This section presents the results of community profile investigations as conducted of the Proposed Action. A technical report was prepared for TxDOT and submitted under separate cover. The City of Mont Belvieu is made up of Census Tract 7101 Block Groups 1 and 2 and Census Tract 7011 Block Group 2. The Proposed Action Area consists of block numbers 1040, 1075, 1076, 1077, 1078, 1080, 1081, 1082, and 1144 of Census Tract 7101 Block Group 1 (Appendix J). The 2010 Census found the total population within Census Tract 7101, Block Group 1 to be approximately 2,830. Within Census Tract 7101 Block Group 1, the Proposed Action Area includes Block numbers 1040, 1075, 1076, 1077, 1078, 1080, 1081, 1082, and 1144 (Appendix J). In the late 1980's, the Proposed Action Area was previously made up of developed neighborhoods lacking any amenities such as parks, schools, and grocery stores. This residential area was subject to a buyout of property by the oil and gas industry in the early 1990's.

The total population recorded for the blocks adjacent to the Proposed Action Area in the 2010 Census is 6, or 0.21 percent of the population recorded for Census Tract 7101, Block Group 1 in Chambers County, Texas. Of the nine blocks adjacent to the Proposed Action Area, only two blocks contained individuals; Block 1080 had a population of three and was observed to have no residential buildings within this block and Block 1081 had a population of three and was observed to have a single residence within the block boundaries. This residence does not lie within the Proposed Action Area (Appendix J). Blocks 1040, 1075, 1076, 1077, 1078, 1082, and 1144 have a recorded population of zero, and no residential buildings were observed (Appendix J).

#### 3.1.1.1 **Race**

The U.S. Bureau of the Census defines a minority population as persons classified as Black/African-American; Hispanic; Asian or Pacific Islander; American Indian, Eskimo, or Aleut; or other non-white persons. The 2010 Census found the total population within the City of Mont Belvieu (which includes Census Tract 7101, Block Group 1) was recorded as 3,835 and the Census Tract 7101, Block Group 1 had a total population of approximately 2,830. The 2010 Census identified two minorities in Block 1080 out of the six total (33%) individuals in the Blocks adjacent to the Proposed Action. The two minorities identified make up 0.07% of the total population of Census Tract 7101 Block Group 1. The charts below show race and ethnicity data for Census Tract 7101, Block Group 1.



**3.1.1.2 Income**

In the City of Mont Belvieu, the median household income is \$83, 707 (2010 U.S. Census).

**3.1.1.3 Limited English Proficiency**

*Executive Order (EO) 13166 “Improving Access to Services for Persons with Limited English Proficiency” requires agencies to examine the services they provide, identify any need for services to those with limited English proficiency (LEP), and develop and implement a system to provide those services so that LEP persons can have meaningful access to them.*

According to the U.S. Census Bureau American FactFinder 2007-2011 American Community Survey 5-Year Estimates of population 5 years and over, there was an estimated total population of 3,364 in Mont Belvieu, Texas. The estimated total population that speaks English is only 2,886. An estimated 416 people speak Spanish with approximately 243 people who speak English “very well” and approximately 173 people who speak English less than “very well”. There are no data within the American Community Survey 5-Year Estimates database that specifically targets the Proposed Action Area (Appendix K). There was no record of a 3-year estimate for the Mont Belvieu area within the American Community Survey database. No indicators of LEP populations were observed in the field throughout the Proposed Action Area. However, the public notice for a public meeting regarding the Proposed Action was submitted and published in Spanish to the EL Perico paper October 6th and November 2nd and in English to the Baytown Sun October 6th and November 1st of 2013. Fact sheets and comment cards for the public meeting on November 12, 2013 were available in both English and Spanish. All public documentation will continue to be written in English and Spanish throughout the Proposed Action process.

**3.1.2 Community Impacts**

The Federal Highway Administration (FHWA) Community Impact Assessment handbook defines community by geography or spatial components but also as group of people experiencing similar

conditions or showing similar behavior patterns (FHWA 1996). The Proposed Action will have a positive impact on access and travel pattern by creating a direct route into Mont Belvieu from FM 565 to SH 146. The southern portion of Loop 207 will be closed, however only an industrial facility and one private parcel exists on this portion of the road. The one private parcel will remain accessible. All of the communities located east of Loop 207 will still be able to access amenities in Mont Belvieu through Winfree Street, Sun Oil Road, and through the new portion of FM 565. The new portion of FM 565 will traverse a currently undeveloped parcel and will have no negative impact on community cohesion.

Approximately 2.96 acres of ROW requirements are planned for the Proposed Action and would require the displacement and relocation of one business; Environmental Earth-Wise, Inc. Environmental Earth-Wise, Inc. is currently located directly adjacent to and on the east side of SH 146 south of Avenue B. Enterprise will be relocating Environmental Earth-Wise, Inc. to a larger tract of land on the north side of Avenue B but still directly adjacent to the east side of SH 146. The relocation of Environmental Earth-Wise, Inc. will have no impact on day-to-day business due to the whereabouts of the re-location being in such close proximity. The Proposed Action is not expected to alter traffic patterns in a way that would adversely impact any industrial or residential areas adjacent to the Proposed Action. The Proposed Action would maintain access to intersecting roadways and existing driveways and would not separate or isolate any distinct neighborhoods, ethnic groups, or other specific groups. In addition, the Proposed Action is expected to improve mobility for both regional commuters as well as area residents. The Proposed Action would not create any new barriers that would separate neighborhoods from each other or any community resources. Community cohesion would be maintained and, although some traffic delays may occur during construction, no long-term adverse impacts to community cohesion are expected as a result of the Proposed Action.

### **3.1.3 Environmental Justice**

*EO 12898 "Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations" requires each federal agency to "make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations."*

*FHWA has identified three fundamental principles of environmental justice:*

- 1. To avoid, minimize, or mitigate disproportionately high and adverse human health or environmental effects, including social and economic effects, on minority populations and low-income populations;*
- 2. To ensure the full and fair participation of all potentially affected communities in the transportation decision-making process; and*
- 3. To prevent the denial of, reduction in, or significant delay of the receipt of benefits by minority populations and low-income populations.*

*Disproportionately high and adverse human health or environmental effects on Minority and Low-Income Populations are defined by FHWA as those that:*

1. *Are predominately borne by a minority population and /or a low-income population; or*
2. *Will be suffered by the minority population and / or low-income population and are appreciably more severe or greater in magnitude than the adverse effects that will be suffered by the nonminority population and /or non-low-income population.*

The 2014 U.S. Department of Health and Human Services current poverty guideline for a family of four is \$23,850.00 per year. The City of Mont Belvieu, which includes Census Tract 7101, Block Group 1 had a recorded median income of \$83, 707 (2010 U.S. Census). The 2010 Census found the Blocks adjacent to the Proposed Action Area contained two minorities or 33% of the population in the Proposed Action Area. Those two minorities make up 0.07% of the Census Tract 7101 Block Group 1 total population. As discussed above, the Proposed Action is not anticipated to have any negative impacts and will generally have positive impacts on travel pattern for the community at large including any low-income and/or minority residents. No disproportionate or adverse impacts to environmental justice populations are anticipated.

### **3.2 Land Use**

The Proposed Action Area consists of a previously developed residential area that has been cleared of all buildings and structures following a buyout conducted by oil and gas companies located in the surround area. The Proposed Action will result in the conversion of 2.96 acres of undeveloped land into ROW. Within this ROW approximately 4,800 cubic yards of asphalt/concrete and soil, covering approximately 0.70 acres, from the existing Avenue B will be removed in preparation for the Proposed Action. During construction, approximately 32,000 cubic yards of asphalt/concrete and soil will be utilized, covering a total of 2.96 acres. This will result in the filling of no wetlands, but the placement of fill within 0.22 acres of other waters. These other waters consist of existing roadside ditches along Avenue B and one property drainage ditch. The Proposed Action includes the construction of new roadside ditches which will replace filled ditches and will mirror existing roadside ditches along FM 565.

The Proposed Action Area is identified as “Hill Mixed Use” in the 2000 Zoning Map for the City of Mont Belvieu (Appendix L). This designation was changed to “Industrial” in the City of Mont Belvieu Comprehensive Plan created in 2010. The future land use of the Proposed Action does not conflict with the current City of Mont Belvieu Comprehensive Plan for the area (Appendix M). In addition, one business, Environmental Earth-Wise, Inc., will be displaced as a result of the Proposed Action. Environmental Earth-Wise, Inc. is currently located directly adjacent to and on the east side of SH 146 south of Avenue B. Enterprise will be relocating Environmental Earth-Wise, Inc. to a larger tract of land on the north side of Avenue B but still directly adjacent to the east side of SH 146. The relocation of Environmental Earth-Wise, Inc. will have no impact on day-to-day business due to the whereabouts of the re-location being in such close proximity. Furthermore, no households, ranches or farms will be displaced by the Proposed Action.

### 3.3 Cultural Resources

This section presents the results of cultural resources investigations as conducted at the Proposed Action's Area of Potential Effects (APE) (also referred to in this document as the Proposed Action Area). A technical report was prepared for TxDOT and submitted under separate cover. As per 23 CFR 774.11(e) of the Department of Transportation Act, only those cultural resources that have been determined to represent "historic sites" (used slightly more restrictively than, but generally analogously with, the term "historic property" as defined in 36 CFR Part 800.16(l)(1)), have the potential to be identified as a Section 4(f) property. Furthermore, transportation projects carried out by the Department of Transportation represent undertakings (36 CFR Part 800.16(y)), and are required to comply with the National Historic Preservation Act (NHPA) (16 USC 47). Recent revisions to 36 CFR Part 800, and guidance promulgated by the Advisory Council on Historic Preservation (ACHP) have streamlined the integration of the consideration of cultural resources into National Environmental Policy Act (NEPA) reviews, including those carried out by the Department of Transportation. Depending on the specific context of a proposed project, compliance may also be required with the Archeological Resources Protection Act (ARPA), the Native American Graves Protection and Repatriation Act (NAGPRA), and the Archeological and Historic Preservation Act (AHPA). Compliance with Texas Antiquities Code (9 TNRC 191) may also be required, in those cases involving public lands, including public roads, as in the case of the current Proposed Action. Compliance with these laws requires consultation with the Texas Historical Commission (THC) and/or federally recognized tribes to determine the Proposed Action's effects on cultural resources. Review and coordination of the Proposed Action followed approved procedures for compliance with federal and state laws.

#### 3.3.1 Section 4(f)

Section 4(f) of the U.S. Department of Transportation Act of 1966 stipulates that the FHWA cannot approve any program or project which requires the use of any publicly owned park, recreation area, or wildlife or waterfowl refuge, or any land from an historic site unless there is no feasible and prudent alternative to the use and all possible planning to minimize harm resulting from such use is included, or unless such a use is considered *de minimis*. A *de minimus* impact on an historic site (i.e., historic property) is defined under the Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) amendment of Section 4(f) as one that would require a determination of "no historic properties affected" or "no adverse effect" by the FHWA prior to development of the proposed project. In regards to the Proposed Action, a Phase I cultural resources investigation found there to be no historic sites within the APE for direct effects; therefore, a Section 4(f) statement regarding cultural resources would not be required. In addition, the Proposed Action would not impact any areas of unique scenic beauty or other lands of national, state, or local importance.

#### 3.3.2 Historic Resources

A review of the National Register of Historic Places (NRHP), the list of State Antiquities Landmarks (SAL), and the list of Recorded Texas Historic Landmarks (RTHL) was conducted by Enterprise sub consultant Coastal Environments, Inc., (CEI), which indicated that no cultural resources or historic properties had been previously documented within the Proposed Action ROW that has been recommended as the APE

for direct effects (Kelly, Hahn, & Manjarris, 2011). The documentary search further found that two investigations had taken place within an unspecified search area around the proposed undertaking (Perttula and Nelson, 2008). A modern in-use cemetery was noted just north of the proposed APE for direct effects; the Barber-Williams Cemetery, which contains the graves of some of the earliest settlers of the Mont Belvieu area. The proximity of the cemetery to the Proposed Action's APE for direct effects at least in part prompted the level of effort involved in the cultural resources investigation, particularly its poorly-defined boundary and the possibility that graves, including those of slaves, could be located away from the main burial area.

CEI indicated that the ROW spanned 120 feet wide (north-south) by 1,500 feet long (east-west). This latter distance spans the Loop 207 / FM 565 intersection westward towards SH 146. Additionally, an APE for indirect effects was proposed to include a 300 foot radius around the Proposed Action's ROW. Within the indirect APE, CEI identified the Barber-Williams Cemetery, foundational remains of several buildings that have since been removed, and the D&M Feed and Produce store (built approximately 1940-1955) that lies to the north of the proposed APE, east of the Barber-Williams Cemetery, and immediately adjacent to Loop 207. The feed store was recommended as not eligible for listing in the NRHP.

### **3.3.3 Archeological Resources**

CEI conducted a Phase I cultural resources investigation (Coastal Environments, Inc. 2011), submitted under separate cover, within the proposed APE for direct effects which included the placement of six backhoe trenches approximately six feet wide by 75 feet long, and up to 33 inches deep. Trenches were placed within a 295 foot long (east-west) by 120 foot wide (north-south) area. The investigations encountered a total of 24 artifacts (5 from the surface, and 19 from trenches), some of which were noted to be recent, while others were purported to be of historic early 20th century age. Despite these findings as well as the lack of evidence suggesting the presence of burials in the area, CEI conceded that burials may still exist in the Proposed Action's ROW as they did not investigate the entire APE. Furthermore the investigators did not obtain a trinomial site number from the Texas Archeological Research Laboratory (TARL) for the encountered artifactual materials on the grounds that in situ materials could not be distinguished from a secondary deposit. Correspondence from the Texas Historical Commission (THC) to the investigators (Mark Denton of the THC to Jennifer Kelly with CEI dated 29 June 2011) concluded that no significant sites would be impacted, and that the Proposed Action could proceed. Further documentation from Mark Wolfe of the THC to Richard Weinstein with CEI, dated 3 February 2012 recognized the investigator's fulfillment of Texas Antiquities Code Permit # 5915 obtained for the proposed undertaking, with the submission of finalized documents and associated materials to the THC (Appendix N).

### 3.4 Biological Resources

#### 3.4.1 Vegetation

##### 3.4.1.1 *Project Area Description*

This section presents the results of a routine wetland delineation as conducted at the Proposed Action Area. A technical report was prepared for TxDOT and submitted under separate cover. The technical report indicates the Proposed Action Area is located wholly within an area mapped as Gulf Prairie and Marshes (McMahan *et al.* 1984). Based on a routine wetland determination performed on November 5, 2010, the Proposed Action Area consisted of maintained herbaceous habitat with scattered trees of various species. Dominant vegetation was identified and categorized in accordance with the regional indicator status in the *National Wetland Plant List: 2014 Wetland Ratings* (Lichvar 2014). A vegetative community would be determined to be hydrophytic if more than 50 percent of the dominant species present were facultative plants (FAC), facultative wetland plants (FACW), or obligate plants (OBL). Plants that occur sometimes (estimated probability 1-33%) in wetlands, but occur more often (estimated probability 67-99%) in non-wetlands are classified as facultative upland plants (FACU) and plants that occur rarely (estimated probability <1%) in wetlands, but almost always (>99% estimated probability) in non-wetlands are classified as obligate upland plants (UPL). As the majority of plants were not hydrophytic, no wetlands were observed within the Proposed Action Area.

**Table 3-1 Dominant Species and Indicator Status within the Proposed Action Area**

Stratum	Common Name	Scientific Name	Indicator Status
Tree	Southern Pecan	<i>Carya illinoensis</i>	FACU
Tree	Live Oak	<i>Quercus virginiana</i>	FACU
Tree	American Elm	<i>Ulmus americana</i>	FAC
Shrub	Chinese Privet	<i>Ligustrum sinense</i>	FAC
Herb	Bermuda Grass	<i>Cynodon dactylon</i>	FACU
Herb	Bahia Grass	<i>Paspalum notatum</i>	FACU
Herb	Southern Dewberry	<i>Rubus trivialis</i>	FACU
Herb	Japanese Honeysuckle	<i>Lonicera japonica</i>	FACU
Herb	Canadian Goldenrod	<i>Solidago canadensis</i>	FACU
Herb	Perennial Ragweed	<i>Ambrosia psilostachya</i>	FAC

#### 3.4.2 Mitigation

The objective of the Clean Water Act (CWA) is to restore and maintain the chemical, physical, and biological integrity of waters of the United States (U.S.), including wetlands. For every authorized discharge, the adverse impacts to wetlands, streams and other aquatic resources must be avoided to

the maximum extent practicable. For unavoidable impacts, compensatory mitigation is required to replace the loss of wetland and aquatic resource functions in the watershed.

Permits issued by the U.S. Army Corps of Engineers (USACE) authorize various types of development projects in wetlands and other waters of the U.S. Under the general conditions of the Nationwide Permit (NWP) 14, the mitigation threshold is > 0.10 acre of impacts. Because the Proposed Action would result in less than 0.10 acre of wetland loss, no compensatory mitigation is required.

### **3.4.3 Invasive Species and Beneficial Landscaping**

On February 3, 1999, the U.S. President issued EO 13112 to prevent the introduction of invasive species and provide for their control, and to minimize the economic, ecological and human health impacts. In accordance with EO 13112 on invasive species, native plant species would be used in the landscaping and in the seed mixes where practicable.

### **3.4.4 Farmland Protection Policy Act**

Projects considered exempt under the Farmland Protection Policy Act (FPPA) include those that require no additional right-of-way or require right-of-way that is developed, urbanized, or zoned for urban use. The Proposed Action would require a total of 2.96 acres of new ROW located in a rural area; therefore, concurrence with NRCS regarding the FPPA is required. Enterprise submitted a land evaluation request to NRCS on Tuesday July 22, 2014 and received a response designating the Proposed Action area as “prior converted” (Appendix O).

### **3.4.5 Threatened and Endangered Species / Species of Concern**

A review of the U.S. Fish and Wildlife (USFWS) and Texas Parks and Wildlife Department (TPWD) rare, threatened and endangered species lists for Chambers County, Texas was initially conducted in November 2010 and again in July 2013 which identified federal and state listed rare, threatened, endangered, and candidate species. This section presents the results of a Threatened and Endangered Species Technical Report as conducted of the Proposed Action Area. The USFWS federally lists a total of six threatened and endangered species as having the potential to occur in Chambers County. In addition, two species, the bald eagle (*Haliaeetus leucocephalus*) and brown pelican (*Pelecanus occidentalis*), have been delisted due to their recovery status but remain listed as species of concern. In addition, the bald eagle is federally protected under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act of 1918. Also, the brown pelican is protected under the Migratory Bird Treaty Act of 1918.

The TPWD lists a total of 22 threatened and endangered species as having the potential to occur in Chambers County. In addition, 14 species are listed by TPWD as rare species of concern. Below, Table 3-2 lists the federal and state listed species having the potential to occur in Chambers County, Texas, their habitat requirements, and identification of whether designated habitat is present in the Proposed Action Area.

**Table 3-2 Federal and State Listed Species – Chambers County, Texas**

Species Name	Preferred Habitat	Federal Status	State Status	Habitat Present within Action Area?
<b>Birds</b>				
Bald Eagle <i>Haliaeetus leucocephalus</i>	Nests in large trees adjacent to large bodies of water	Recovery	Threatened	No
Black Rail <i>Laterallus jamaicensis</i>	Marshes, pond borders, wet meadows or grassy swamps	--	State Species of Concern	No
Brown Pelican <i>Pelecanus occidentalis</i>	Feeds in estuarine waters and nests in shrubs on coastal islands	Recovery	State Species of Concern	No
Henslow's Sparrow <i>Ammodramus henslowii</i>	Weedy fields or cut-over areas with some bare ground	--	State Species of Concern	Yes
American Peregrine Falcon <i>Falco peregrinus anatum</i>	Nests in tall cliff eyries, occupies wide range of habitats during migration	Delisted	Threatened	No
Arctic Peregrine Falcon <i>Falco peregrinus tundrius</i>	Migrant throughout the state, occupies wide range of habitats during migration	Delisted	State Species of Concern	No
Piping Plover <i>Charadrius melodus</i>	Gravelly beaches and Algal flats on coastal strand	Threatened	Threatened	No
Reddish Egret <i>Egretta rufescens</i>	Brackish marshes	--	Threatened	No
Snowy Plover <i>Charadrius alexandrinus</i>	Winters along gulf coast beaches and bayside mud flats	--	State Species of Concern	No
Southeastern Snowy Plover <i>Charadrius alexandrinus tenuirostris</i>	Winters along gulf coast beaches and bayside mud flats	--	State Species of Concern	No

Sprague's Pipit <i>Anthus spragueii</i>	Winters in coastal grasslands, upland prairies	Candidate*	State Species of Concern	Yes
Swallow-tailed Kite <i>Elanoides forficatus</i>	Swamps, marshes, along rivers, nests in tall trees	--	Threatened	No
Western Snowy Plover <i>Charadrius alexandrinus nivosus</i>	Winters along gulf coast beaches and bayside mud flats	--	State Species of Concern	No
White-faced Ibis <i>Plegadis chihi</i>	Marshes, sloughs, rice fields; nests marshes, low trees, in bulrushes reeds or floating mats	--	Threatened	No
Wood Stork <i>Mycteria americana</i>	Prairie ponds, flooded pastures, and other shallow water	--	Threatened	No
<b>Mammals</b>				
Louisiana Black Bear <i>Ursus americanus luteolus</i>	Large remote tracts of bottomland hardwood	Threatened*	Threatened	No
Plains Spotted Skunk <i>Spilogale putorius interrupta</i>	Open fields, prairie, wooded areas, farmyards	--	State Species of Concern	Yes
Red Wolf <i>Canis rufus</i>	Extirpated	Endangered*	Endangered	No
Southeastern Myotis Bat <i>Myotis austroriparius</i>	Cavities of trees, concrete culverts, abandoned manmade structures	--	State Species of Concern	No
West Indian Manatee <i>Trichechus manatus</i>	Occupy estuarine bays and rivers	Endangered	--	No
<b>Mollusks</b>				
Louisiana Pigtoe <i>Pleurobema riddellii</i>	Sabine, Neches, and Trinity Rivers	--	Threatened	No
<b>Reptiles</b>				

Alligator Snapping Turtle <i>Macrochelys temminckii</i>	Perennial water bodies	--	Threatened	No
Hawksbill Sea Turtle <i>Eretmochelys imbricata</i>	Open ocean and estuarine waters and sandy beaches	Endangered	Endangered	No
Leatherback Sea Turtle <i>Dermochelys coriacea</i>	Open ocean and estuarine waters and sandy beaches	Endangered	Endangered	No
Kemp's Ridley Sea Turtle <i>Lepidochelys kempii</i>	Open ocean and estuarine waters and sandy beaches	Endangered	Endangered	No
Green Sea Turtle <i>Chelonia mydas</i>	Open ocean and estuarine waters and sandy beaches	Threatened	Threatened	No
Loggerhead Sea Turtle <i>Caretta caretta</i>	Open ocean and estuarine waters and sandy beaches	Threatened	Threatened	No
Gulf Salt Marsh Snake <i>Nerodia clarkii</i>	Saline flats, coastal bays, brackish river mouths	--	State Species of Concern	No
Northern Scarlet Snake <i>Cemophora coccinea</i>	Mixed hardwood sandy scrub	--	Threatened	No
Smooth Green Snake <i>Liochlorophis vernalis</i>	Gulf coastal plain, dense shortgrass prairie	--	Threatened	Yes
Texas Diamondback Terrapin <i>Malaclemys terrapin littoralis</i>	Coastal marshes, tidal flats, estuaries	--	State Species of Concern	No
Texas Horned Lizard <i>Phrynosoma cornutum</i>	Open semiarid regions with sparse vegetation	--	Threatened	No
Timber Rattlesnake <i>Crotalus horridus</i>	Swamps, floodplains, woodlands, farmland	--	Threatened	No
<b>Fishes</b>				
American Eel <i>Anguilla rostrata</i>	Coastal Waterways	--	State Species of Concern	No

Smalltooth Sawfish <i>Pristis pectinata</i>	Estuaries, bays and coastal waters	Endangered*	Endangered	No
<b>Plants</b>				
Texas Windmill-Grass <i>Chloris texensis</i>	Relatively bare spots on remnant coastal prairies, roadsides	--	State Species of Concern	No
<b>Other</b>				
Colonial Nesting Wading Bird Rookery	Islands on fresh or brackish water ponds	Protected	Protected	No

\*Not listed federally for Chambers County, Texas

Review of USFWS and TPWD species lists identified four threatened, endangered, or rare species having the potential to occur within the Proposed Action Area; Sprague’s pipit (state listed as rare), Henslow’s sparrow (state listed as rare), plains spotted skunk (state listed as rare), and smooth green snake (state listed as threatened).

Furthermore, a review of the TPWD – Texas Natural Diversity Database (TXNDD) was conducted in November 2010 in order to assess the potential for threatened or endangered species to occur within 10 miles of the Proposed Action Area (Appendix P). The closest species recorded by TXNDD to the Proposed Action Area is Texas windmill-grass which is approximately 3.5 miles northwest of the Proposed Action Area. This species is state listed by TPWD as a species of concern.

Email correspondence from TPWD regarding the Proposed Action and completion of early coordination in accordance with the 2013 TxDOT/TPWD Memorandum of Understanding is located in Appendix Q. In response to early coordination, TPWD indicated that best management practices (BMPs) be implemented for the Sprague’s pipit, Henslow’s sparrow, plains spotted skunk, and smooth green snake.

**3.4.6 Migratory Birds**

The Migratory Bird Treaty Act of 1918 states that it is unlawful to kill, capture, collect, possess, buy, sell, trade, or transport any migratory bird, nest, young, feather, or egg in part or in whole, without a federal permit issued in accordance within the Act’s policies and regulations. Of the bird species listed by USFWS and TPWD, 11 are listed as migratory birds. These include the bald eagle, black rail, brown pelican, Henslow’s sparrow, piping plover, reddish egret, snowy plover, Sprague’s pipit, swallow-tailed kite, white-faced ibis, and the wood stork. Preferred habitat is present within the Proposed Action Area for the Henslow’s sparrow and Sprague’s pipit. In the event that migratory birds are encountered on-site during construction, every effort would be made to avoid the take of protected birds, active nests, eggs, and/or young to the maximum extent practicable. In addition, the contractor would be prepared to prevent migratory birds from building nests between February 1 and August 31.

### **3.4.7 Fish and Wildlife Coordination Action**

The Fish and Wildlife Coordination Act (FWCA) of 1958 requires that federal agencies obtain comments from USFWS and TPWD. This coordination is required whenever a project involves impounding, diverting, or deepening a stream channel or other body of water. However, because the Proposed Action would be authorized under a NWP 14, no coordination under FWCA is required.

## **3.5 Water Resources and Water Quality**

### **3.5.1 Section 404 of the Clean Water Act: Waters of the U.S.**

According to Section 404 of the CWA, the USACE regulates the discharge of fill in waters of the U.S., including wetlands. On November 5, 2010, a routine wetland delineation was conducted in accordance with the 1987 USACE Wetland Delineation Manual (Environmental Laboratory 1987) in conjunction with the Interim Atlantic and Gulf Coast Plains Regional Supplements (Environmental Laboratory 2008). A technical report was prepared for TxDOT and submitted under separate cover which reported no wetlands within the Proposed Action Area. Approximately 0.22 acres of waterbodies, including roadside ditches and one property drainage ditch were observed within the Proposed Action Area. The aforementioned waterbodies were assumed jurisdictional via USACE Preliminary Jurisdictional Determination. The Proposed Action's excavation and fill activities will therefore result in 0.0152 acres of impacts. The impacts are authorized by Nationwide Permit 14, SWG-2010-01096 (Appendix R).

### **3.5.2 Section 401 of the Clean Water Act: Water Quality Certification**

The Proposed Action is authorized by NWP 14; therefore, compliance with Section 401 of the Clean Water Act would entail the implementation of at least one approved BMP from each of the three categories identified in the Texas Commission on Environmental Quality's (TCEQ) 401 Water Quality Certification Conditions for NWPs. The categories include erosion control, sedimentation control, and post-construction total suspended solids (TSS) control.

### **3.5.3 Executive Order 11990, Wetlands**

EO 11990 on wetlands does not apply because no wetlands would be impacted.

### **3.5.4 Section 303(d) of the Clean Water Act: Threatened or Impaired Waters**

Runoff from the Proposed Action would not discharge directly into a Section 303(d) listed threatened or impaired water. However, runoff from the Proposed Action could potentially discharge into Smith Gully approximately 1.5 miles southwest of the Proposed Action Area. Smith Gully is not a Section 303(d) listed threatened or impaired water but drains directly into Cedar Bayou approximately 0.65 miles downstream. This section of Cedar Bayou, Segment 0901, is classified as Category 5 threatened/impaired water according to the 2012 Texas Integrated Report – Texas 303(d) List; therefore, the Proposed Action discharges into a stream within 5 miles upstream of a Section 303(d) listed threatened or impaired water.

BMPs such as silt fences, hay bales, and vegetative filter strips would be installed, monitored, and maintained to prevent discharged from the Proposed Action into Smith Gully which drains into Cedar

Bayou. Any portable sewage devices utilized during construction would be contained and would not discharge into these waterbodies.

### **3.5.5 Section 402 of the Clean Water Act: Texas Pollutant Discharge Elimination System**

The Proposed Action includes more than five acres of disturbance during construction; therefore, a notice of intent (NOI) is required. In addition, Enterprise would comply with TCEQ's Texas Pollutant Discharge Elimination System (TPDES) Construction General Permit (CGP) No. TXR150000. Furthermore, a site-specific Stormwater Pollution and Prevention Plan (SW3P) would be prepared and implemented.

Since the Proposed Action's construction within waters of the U.S. is authorized by a NWP 14, compliance with Section 401 of the CWA entails the implementation of a minimum of one approved best management practice (BMP) from each of the three categories identified in the TCEQ's 401 Water Quality Certification Conditions for NWPs. The three categories include 1) erosion control, 2) sedimentation control, and 3) post-construction TSS control.

### **3.5.6 International Boundary and Water Commission**

The International Boundary and Water Commission (IBWC) requires coordination for any project located within their jurisdiction. The Proposed Action would occur outside of the jurisdiction of the IBWC; therefore, coordination with the IBWC would not be required.

### **3.5.7 Floodplains**

EO 11988 on floodplain management requires that federal agencies avoid activities that directly or indirectly result in the development of a floodplain area. The Proposed Action is located wholly within the Federal Emergency Management Agency (FEMA) Zone X; areas outside of the 100- and 500-year floodplains (Appendix S).

### **3.5.8 Wild and Scenic Rivers**

The Wild and Scenic Rivers Act protects rivers that are listed on the National Inventory of Wild and Scenic Rivers, which are characterized as possessing remarkable scenic, recreational, geological, wildlife, cultural, or other similar values. There are no designated wild and scenic rivers located in Chambers County, Texas. The only national wild and scenic river in Texas is the Rio Grande and it is not within the Proposed Action Area. In addition, there are no rivers in the Proposed Action Area listed on the Nationwide Rivers Inventory. Therefore, the Proposed Action will not adversely impact wild and scenic rivers.

## **3.6 Traffic Noise**

This section presents the results of Noise Analysis conducted by a third-party for the Proposed Action Area. A technical report was prepared for TxDOT and submitted under separate cover. This noise analysis was accomplished in accordance with TxDOT's (FHWA approved) Guidelines for Analysis and Abatement of Highway Traffic Noise (2011).

Sound from highway traffic is generated primarily from a vehicle's tires, engine and exhaust. It is commonly measured in decibels (dB).

Sound occurs over a wide range of frequencies. However, not all frequencies are detectable by the human ear; therefore, an adjustment is made to the high and low frequencies to approximate the way an average person hears traffic sounds. This adjustment is called A-weighting (dB(A)). Also, because traffic sound levels are never constant due to the changing number, type and speed of vehicles, a single value is used to represent the average or equivalent sound level and is expressed as "Leq."

The traffic noise analysis typically includes the following elements:

- 1) Identification of land use activity areas that might be impacted by traffic noise;
- 2) Determination of existing noise levels;
- 3) Prediction of future noise levels;
- 4) Identification of possible noise impacts; and
- 5) Consideration and evaluation of measures to reduce noise impacts.

The FHWA has established the following Noise Abatement Criteria (NAC) for various land use activity areas that are used as one of two means to determine when a traffic noise impact would occur (Table 3-3).

**Table 3-3 FHWA Noise Abatement Criteria**

Activity Category	FHWA dB(A) Leq	Description of Land Use Activity Areas
A	57 (exterior)	Lands on which serenity and quiet are of extra-ordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B	67 (exterior)	Residential
C	67 (exterior)	Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings
D	52 (interior)	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios
E	72 (exterior)	Hotels, motels, offices, restaurants/bars, and other developed lands, properties, or activities not included in A-D or F.

F	--	Agricultural, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.
G	--	Undeveloped lands that are not permitted.

A noise impact occurs when either the absolute or relative criterion is met:

Absolute criterion: the predicted noise level at a receiver approaches, equals or exceeds the NAC. "Approach" is defined as one dB(A) below the NAC. For example: a noise impact would occur at a Category B residence if the noise level is predicted to be 66 dB(A) or above.

Relative criterion: the predicted noise level substantially exceeds the existing noise level at a receiver even though the predicted noise level does not approach, equal or exceed the NAC. "Substantially exceeds" is defined as more than 10 dB(A). For example: a noise impact would occur at a Category B residence if the existing level is 54 dB(A) and the predicted level is 65 dB(A).

When a traffic noise impact occurs, noise abatement measures must be considered. A noise abatement measure is any positive action taken to reduce the impact of traffic noise on an activity area.

The FHWA traffic noise modeling software was used to calculate existing and predicted traffic noise levels. The model primarily considers the number, type and speed of vehicles; highway alignment and grade; cuts, fills and natural berms; surrounding terrain features; and the locations of activity areas likely to be impacted by the associated traffic noise.

Existing and predicted traffic noise levels were modeled at one receiver (R1) location (Table 3-4 and Appendix T) that represents the land use activity area adjacent to the Proposed Action Area that might be impacted by traffic noise and potentially benefit from feasible and reasonable noise abatement.

**Table 3-4 Traffic Noise Levels (db(A) Leq)**

Representative Receiver	NAC Category	NAC Level	Existing	Predicted (2034)	+/-	Noise Impact
R1 Historic Cemetery	C	67	53	70	17	Yes

As indicated in Table 3-4, the Proposed Action would result in a traffic noise impact to the historic cemetery that is located adjacent to the Proposed Action Area. The following noise abatement measures were considered: traffic management, alteration of horizontal and/or vertical alignments, and acquisition of undeveloped property to act as a buffer zone and the construction of noise walls.

Before any abatement measure can be proposed for incorporation into the Proposed Action, it must be both feasible and reasonable. In order to be "feasible," the abatement measure must be able to reduce

the noise level at greater than 50% of impacted, first row receivers by at least five dB(A); and to be "reasonable," it must not exceed the cost-effectiveness criterion of \$25,000 for each receiver that would benefit by a reduction of at least five dB(A) and the abatement measure must be able to reduce the noise level at least one impacted, first row receiver by at least seven dB(A).

Traffic management: control devices could be used to reduce the speed of the traffic; however, the minor benefit of one dB(A) per five mph reduction in speed does not outweigh the associated increase in congestion and air pollution. Other measures such as time or use restrictions for certain vehicles are prohibited on state highways.

Alteration of horizontal and/or vertical alignments: any alteration of the existing alignment would displace existing businesses and residences, require additional right of way and not be cost effective/reasonable.

Buffer zone: the acquisition of undeveloped property to act as a buffer zone is designed to avoid rather than abate traffic noise impacts and, therefore, is not feasible.

Noise walls: this is the most commonly used noise abatement measure. A noise wall was evaluated for the impacted receiver location. R1 is a cemetery and a noise wall that would achieve the minimum feasible reduction of 5 dB(A) while achieving a 7 dB(A) noise reduction design goal would exceed the reasonable, cost-effectiveness criterion of \$25,000.

None of the above noise abatement measures would be both feasible and reasonable. R1 represents an historic cemetery. Visitors are infrequent and intermittent. As depicted on the map in Appendix U the parcel is owned by Enterprise and no lots are designated within the parcel. No abatement measures are proposed for this receiver.

To avoid noise impacts that may result from future development of properties adjacent to the Proposed Action Area, local officials responsible for land use control programs must ensure, to the maximum extent possible, no new activities are planned or constructed along or within the following predicted (2044) noise impact contours (Table 3-5).

**Table 3-5 Predicted 2044 Noise Impact Contours for Undeveloped Areas**

Land Use	Impact Contour dB(A)	Distance from ROW (ft)
NAC Category B & C	66	150
NAC Category E	71	50

Noise associated with the construction of the Proposed Action is difficult to predict. Heavy machinery, the major source of noise in construction, is constantly moving in unpredictable patterns. However, construction normally occurs during daylight hours when occasional loud noises are more tolerable.

None of the receivers are expected to be exposed to construction noise for a long duration; therefore, any extended disruption of normal activities is not expected. Provisions will be included in the plans and specifications that require the contractor to make every reasonable effort to minimize construction noise through abatement measures such as work-hour controls and proper maintenance of muffler systems.

A copy of this traffic noise analysis will be available to local officials. On the date of approval of this document (Date of Public Knowledge), FHWA and TxDOT are no longer responsible for providing noise abatement for new development adjacent to the Proposed Action.

### **3.7 Air Quality**

This section presents the results of an Air Quality Analysis conducted by a third-party of the Proposed Action Area. A technical report was prepared for TxDOT and submitted under separate cover. The Proposed Action is located within the City of Mont Belvieu in Chambers County, Texas. Chambers County is a part of the Houston-Galveston Area Council (H-GAC) Metropolitan Planning Area that has been designated by United States Environmental Protection Agency (USEPA) as a marginal nonattainment area for 2008 ozone National Ambient Air Quality Standards (NAAQS). Therefore, transportation conformity rules apply. However, the Proposed Action has no federal funding, requires no US DOT decision, and is not considered regionally significant; so the Proposed Action is exempt from the conformity rules.

#### **3.7.1 Traffic Air Quality Analysis**

Traffic data for the design years 2034 and 2044 is projected to be 10,600 and 11,900 vehicles per day, respectively. A prior TxDOT modeling study and previous analyses of similar projects demonstrated that it is unlikely that a carbon monoxide standard would ever be exceeded as a result of any project with an average annual daily traffic (AADT) below 140,000. AADT projections for the Proposed Action do not exceed 140,000 vehicles per day; therefore a Traffic Air Quality Analysis is not required.

#### **3.7.2 Congestion Management Process**

The congestion management process (CMP) is a systematic process that provides information on transportation system performance and alternative strategies for alleviating congestion and enhancing the mobility of persons and goods to levels that meet state and local needs. The Proposed Action has no federal funding or involvement and is not regionally significant; therefore, a CMP analysis is not required.

#### **3.7.3 Mobile Source Air Toxics**

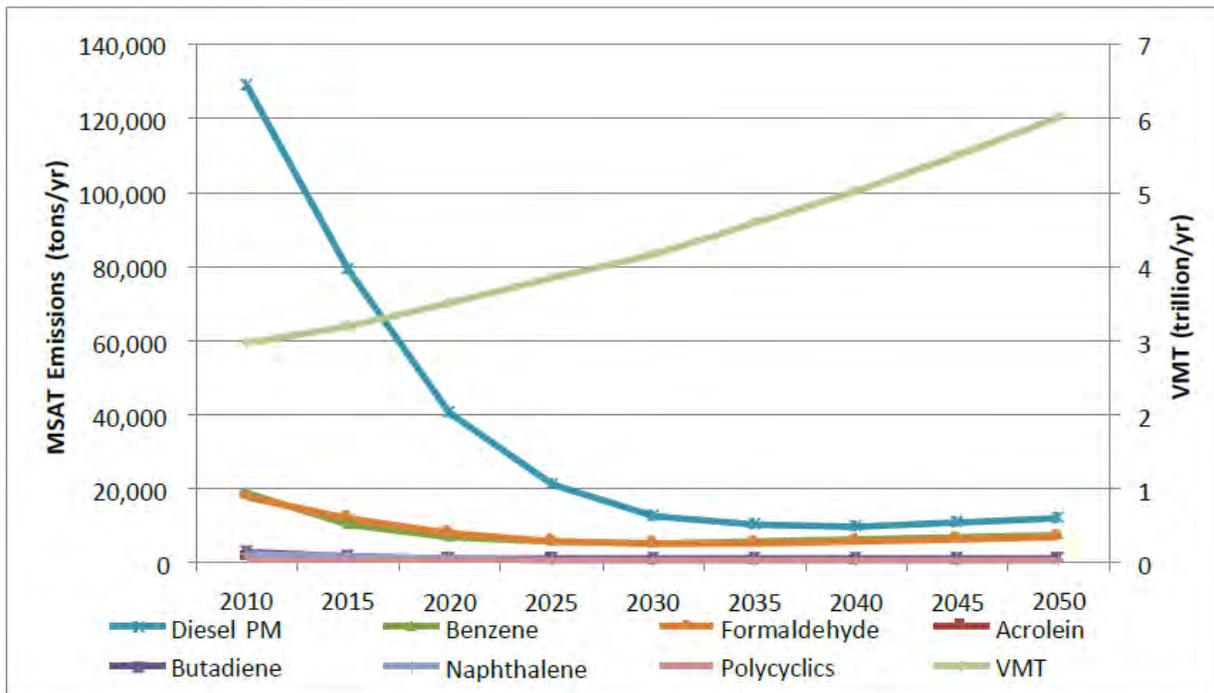
Controlling air toxic emissions became a national priority with passage of the Clean Air Act Amendments (CAAA) of 1990, whereby Congress mandated that the USEPA regulate 188 air toxics, also known as hazardous air pollutants. The USEPA has assessed this expansive list in their latest rule on the Control of Hazardous Air Pollutants from Mobile Sources and identified a group of 93 compounds emitted from mobile sources listed in their Integrated Risk Information System (IRIS). In addition, the USEPA identified seven compounds with significant contributions from mobile sources among the national and regional-

scale cancer risk drivers from their 1999 National Air Toxics Assessment (NATA). These are acrolein, benzene, 1,3-butadiene, diesel particulate matter (PM), plus diesel exhaust organic gases (diesel PM), formaldehyde, naphthalene, and polycyclic organic matter. While the FHWA considers these priority mobile source air toxics, the list is subject to change and may be adjusted in consideration of future USEPA rules.

The 2007 USEPA Mobile Source Air Toxics (MSAT) rule mentioned above requires controls that will dramatically decrease MSAT emissions through use of cleaner fuels and cleaner engines. Based on a FHWA analysis using USEPA's MOVES2010b model, as shown in Figure 3-1 and Table 3-6, even if vehicle-miles travelled (VMT) increases by 102 percent as assumed from 2010 to 2050, a combined reduction of 83 percent in the total annual emissions for priority MSAT is projected for the same time period.

Air toxics analysis is a continuing area of research. While much work has been done to assess the overall health risk of air toxics, many questions remain unanswered. In particular, the tools and techniques for assessing project-specific health outcomes as a result of lifetime MSAT exposure remain limited. These limitations impede the ability to evaluate how potential health risks posed by MSAT exposure should be factored into project-level decision-making within the context of the National Environmental Policy Act (NEPA). The FHWA, USEPA, Health Effects Institute, and other agencies have funded and conducted research studies to try to more clearly define potential risks from MSAT emissions associated with highway projects. The FHWA will continue to monitor developing research in this emerging field.

**Figure 3-1** Projected National MSAT Emission Trends for 2010 – 2050



**Table 3-6 Projected National MSAT Emission Trends 2010-2050 for Vehicles Operating on Roadways Using USEPA’s MOVES2010b Model**

Pollutant / VMT	Pollutant Emissions (tons) and Vehicle-Miles Traveled (VMT) by Calendar Year									Change 2010 to 2050
	2010	2015	2020	2025	2030	2035	2040	2045	2050	
<b>Acrolein</b>	1,244	805	476	318	258	247	264	292	322	-74%
<b>Benzene</b>	18,995	10,195	6,765	5,669	5,386	5,696	6,216	6,840	7,52	-60%
<b>Butadiene</b>	3,157	1,783	1,163	951	890	934	1,017	1,119	1,23	-61%
<b>Diesel PM</b>	128,847	79,158	40,694	21,155	12,667	10,027	9,978	10,942	11,9	-91%
<b>Formaldehyde</b>	17,848	11,943	7,778	5,938	5,329	5,407	5,847	6,463	7,14	-60%
<b>Naphthalene</b>	2,366	1,502	939	693	607	611	659	727	802	-66%
<b>Polycyclics</b>	1,102	705	414	274	218	207	219	240	262	-76%
<b>Trillions VMT</b>	2.96	3.19	3.5	3.85	4.16	4.58	5.01	5.49	6	102%

**3.7.3.1 Project Specific Mobile Source Air Toxics Information**

Qualitative analysis provides a basis for identifying and comparing potential differences among Mobile Source Air Toxics (MSAT) emissions, if any, from the various alternatives. The qualitative assessment presented below is derived in part from a study conducted by the FHWA, entitled “A Methodology for Evaluating Mobile Source Air Toxic Emissions among Transportation Project Alternatives.”

For each alternative in this document, the amount of MSAT emitted would be proportional to the vehicle miles traveled, or VMT, assuming that other variables such as fleet mix are the same for each alternative. The VMT estimated for each of the Build Alternatives is slightly higher than that for the No Build Alternative, because the additional capacity increases the efficiency of the roadway and attracts rerouted trips from elsewhere in the transportation network. This increase in VMT would lead to higher MSAT emissions for the preferred action alternative along the highway corridor, along with a corresponding decrease in MSAT emissions along the parallel routes. The emissions increase is offset somewhat by lower MSAT emission rates due to increased speeds; according to EPA's MOVES2010b model, emissions of all of the priority MSAT decrease as speed increases. Also, regardless of the alternative chosen, emissions will likely be lower than present levels in the design year as a result of USEPA's national control programs that are projected to reduce annual MSAT emissions by over 80 percent between 2010 and 2050. Local conditions may differ from these national projections in terms of fleet mix and turnover, VMT growth rates, and local control measures. However, the magnitude of the EPA-projected reductions is so great (even after accounting for VMT growth) that MSAT emissions in the study area are likely to be lower in the future in nearly all cases. The additional travel lanes contemplated as part of the project alternatives will have the effect of moving some traffic closer to nearby homes, schools, and businesses; therefore, under each alternative there may be localized areas where ambient concentrations of MSAT could be higher under certain Build Alternatives than the No Build Alternative. The localized increases in MSAT concentrations would likely be most pronounced

along the expanded FM 565 roadway sections that would be built. However, the magnitude and the duration of these potential increases compared to the No-Build alternative cannot be reliably quantified due to incomplete or unavailable information in forecasting project-specific MSAT health impacts. In sum, when a highway is widened, the localized level of MSAT emissions for the Build Alternative could be higher relative to the No Build Alternative, but this could be offset due to increases in speeds and reductions in congestion (which are associated with lower MSAT emissions). Also, MSAT will be lower in other locations when traffic shifts away from them. However, on a regional basis, EPA's vehicle and fuel regulations, coupled with fleet turnover, will over time cause substantial reductions that, in almost all cases, will cause region-wide MSAT levels to be significantly lower than today.

### **3.7.3.2 MSAT Conclusion**

In this document, a qualitative MSAT assessment has been provided relative to the various alternatives of MSAT emissions and has acknowledged that all of the project alternatives may result in increased exposure to MSAT emissions in certain locations, although the concentrations and duration of exposures are uncertain, and because of this uncertainty, the health effects from these emissions cannot be estimated.

### **3.7.3.3 Incomplete or Unavailable Information for Project-Specific MSAT Health Impacts Analysis**

In FHWAAs view, information is incomplete or unavailable to credibly predict the project-specific health impacts due to changes in MSAT emissions associated with a proposed set of highway alternatives. The outcome of such an assessment, adverse or not, would be influenced more by the uncertainty introduced into the process through assumption and speculation rather than any genuine insight into the actual health impacts directly attributable to MSAT exposure associated with a proposed action. The U.S. Environmental Protection Agency (EPA) is responsible for protecting the public health and welfare from any known or anticipated effect of an air pollutant. They are the lead authority for administering the Clean Air Act and its amendments and have specific statutory obligations with respect to hazardous air pollutants and MSAT. The EPA is in the continual process of assessing human health effects, exposures, and risks posed by air pollutants. They maintain the Integrated Risk Information System (IRIS), which is "a compilation of electronic reports on specific substances found in the environment and their potential to cause human health effects" (EPA, <http://www.epa.gov/iris/>). Each report contains assessments of non-cancerous and cancerous effects for individual compounds and quantitative estimates of risk levels from lifetime oral and inhalation exposures with uncertainty spanning perhaps an order of magnitude. Other organizations are also active in the research and analyses of the human health effects of MSAT, including the Health Effects Institute (HEI). Two HEI studies are summarized in Appendix D (not included in this document) of FHWAAs Interim Guidance Update on Mobile source Air Toxic Analysis in NEPA Documents. Among the adverse health effects linked to MSAT compounds at high exposures are; cancer in humans in occupational settings; cancer in animals; and irritation to the respiratory tract, including the exacerbation of asthma. Less obvious is the adverse human health effects of MSAT compounds at current environmental concentrations (HEI,

<http://pubs.healtheffects.org/view.php?id=282>) or in the future as vehicle emissions substantially decrease (HEI, <http://pubs.healtheffects.org/view.php?id=306>).

The methodologies for forecasting health impacts include emissions modeling; dispersion modeling; exposure modeling; and then final determination of health impacts - each step in the process building on the model predictions obtained in the previous step. All are encumbered by technical shortcomings or uncertain science that prevents a more complete differentiation of the MSAT health impacts among a set of project alternatives. These difficulties are magnified for lifetime (i.e., 70 year) assessments, particularly because unsupportable assumptions would have to be made regarding changes in travel patterns and vehicle technology (which affects emissions rates) over that time frame, since such information is unavailable. It is particularly difficult to reliably forecast 70-year lifetime MSAT concentrations and exposure near roadways; to determine the portion of time that people are actually exposed at a specific location; and to establish the extent attributable to a proposed action, especially given that some of the information needed is unavailable. There are considerable uncertainties associated with the existing estimates of toxicity of the various MSAT, because of factors such as low-dose extrapolation and translation of occupational exposure data to the general population, a concern expressed by HEI (<http://pubs.healtheffects.org/view.php?id=282>). As a result, there is no national consensus on air dose-response values assumed to protect the public health and welfare for MSAT compounds, and in particular for diesel PM. The EPA (<http://www.epa.gov/risk/basicinformation.htm#g>) and the HEI (<http://pubs.healtheffects.org/getfile.php?u=395>) have not established a basis for quantitative risk assessment of diesel PM in ambient settings. There is also the lack of a national consensus on an acceptable level of risk. The current context is the process used by the EPA as provided by the Clean Air Act to determine whether more stringent controls are required in order to provide an ample margin of safety to protect public health or to prevent an adverse environmental effect for industrial sources subject to the maximum achievable control technology standards, such as benzene emissions from refineries. The decision framework is a two-step process. The first step requires EPA to determine an "acceptable" level of risk due to emissions from a source, which is generally no greater than approximately 100 in a million. Additional factors are considered in the second step, the goal of which is to maximize the number of people with risks less than 1 in a million due to emissions from a source. The results of this statutory two-step process do not guarantee that cancer risks from exposure to air toxics are less than 1 in a million; in some cases, the residual risk determination could result in maximum individual cancer risks that are as high as approximately 100 in a million. In a June 2008 decision, the U.S. Court of Appeals for the District of Columbia Circuit upheld EPA's approach to addressing risk in its two step decision framework. Information is incomplete or unavailable to establish that even the largest of highway projects would result in levels of risk greater than deemed acceptable. Because of the limitations in the methodologies for forecasting health impacts described, any predicted difference in health impacts between alternatives is likely to be much smaller than the uncertainties associated with predicting the impacts. Consequently, the results of such assessments would not be useful to decision makers, who would need to weigh this information against project benefits, such as

reducing traffic congestion, accident rates, and fatalities plus improved access for emergency response, that are better suited for quantitative analysis.

### 3.8 Hazardous Materials

An initial site assessment entailed literature and background searches regarding the Proposed Action Area and adjacent properties, as well as an investigation. This section presents the results of the initial site assessment and investigation. A technical report was prepared for TxDOT and submitted under separate cover. The investigation included a site inspection and review of federal, state, county, and city records to determine the possibility or probability of environmental contamination of the Proposed Action Area. Interviews were also conducted to gain additional information regarding the previous land use of the Proposed Action Area and adjacent properties.

The adjacent properties were identified as commercial, industrial, and residential properties. The regulatory database search was performed in accordance with the American Society for Testing and Materials (ASTM) E1527-05 standard. The search included a review of the National Priorities List (NPL), State Hazardous Waste Sites (SHWS), Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS), Resource Conservation and Recovery Act (RCRA) facilities, and Leaking Petroleum Storage Tank (LPST). Other regulatory databases that were searched are listed in Appendix V.

Table 3-7 lists the results of the regulatory database search that pertains to the Proposed Action Area and the adjacent properties.

**Table 3-7 Regulatory Database Search**

Facility Name	Distance / Direction From Project Area	Database
Occidental Electorchemicals	0.541 miles west	RCRA CORRACTS Facility
1210 Winfree Road	0.293 miles north/northeast	LPST
Mont Belvieu Terminal	0.168 miles northwest	Aboveground Storage Tank (AST)

The results of the regulatory database search were reviewed and revealed the following information:

The Federal CORRACTS Facility database identifies hazardous waste handlers with RCRA corrective action activity. The database identified one CORRACTS facility within 1 mile of the Proposed Action Area. This CORRACTS facility was located 0.541 miles west of the Proposed Action Area at the Occidental Electrochemicals Facility and was reported in September 1987. In September 1991 the Occidental Electrochemicals Facility was assigned a low corrective action priority, and the violation status indicates there are “no violations found”.

A search of the LPST database revealed one LPST site within 0.5 miles of the Proposed Action Area. The LPST site was located 0.293 miles north/northeast of the Proposed Action Area at 1210 Winfree Road and was reported in January 1995. Records indicated there were no apparent threats or impacts to receptors and no impacts to groundwater.

TXAST database identified one AST site within 0.25 miles of the Proposed Action Area. This AST is located at the Mont Belvieu Terminal property at 10319 SH 146 in Mont Belvieu, Texas.

Orphan sites are listed within Appendix V.

Due to the existing oil and gas pipelines, a Phase II investigation was conducted to verify the presence or absence of contamination to the soil and groundwater. The lab results from the soil and groundwater samples revealed that there was no evidence of contamination at the Proposed Action Area by Total Petroleum Hydrocarbon (TPH) or Volatile Organic Compounds (VOCs).

Maps, Geologic Logs, and the Laboratory Report are located in Appendix W.

### **3.9 Construction Impacts**

Temporary construction-related impacts to the Proposed Action Area include noise, dust and construction vehicle emissions, the impacts from these temporary activities would be offset by the implementation of a Traffic Control Plan developed to provide for the safe passage of traffic with minimum inconvenience to travelers near the construction area. Contract provisions would include proposals for traffic handling, construction scheduling, detours, barricades, lights, and warning signals. Construction activities would be regularly monitored to assure compliance.

During the construction phase of the Proposed Action, temporary increases in air pollutant emissions may occur from construction activities. The primary construction-related emissions are particulate matter (fugitive dust) from site preparation. These emissions are temporary in nature (only occurring during actual construction); it is not possible to reasonably estimate impacts from these emissions due to limitations of the existing models. However, the potential impacts of particulate matter emissions will be minimized by using fugitive dust control measures such as covering or treating disturbed areas with dust suppression techniques, sprinkling, covering loaded trucks, and other dust abatement controls, as appropriate.

The construction activity phase of the Proposed Action may generate a temporary increase in MSAT emissions from construction activities, equipment and related vehicles. The primary MSAT construction related emissions are particulate matter from site preparation and diesel particulate matter from diesel powered construction equipment and vehicles.

The Texas Emissions Reduction Plan (TERP) includes incentive programs to encourage the development of multi-pollutant approaches to ensure that the air in Texas is both safe to breathe and meets minimum federal standards. TxDOT encourages construction contractors to utilize this program to the

fullest extent possible to minimize diesel emissions. Information about the TERP program can be found at: <http://www.tceq.state.tx.us/implementation/air/terp/>. Considering the temporary and transient nature of construction-related emissions, it is not anticipated that emissions from construction of the Proposed Action will have any significant impact on air quality in the area.

Noise associated with the construction of the Proposed Action is difficult to predict. Heavy machinery, the major source of noise in construction, is constantly moving in unpredictable patterns. None of the receivers are expected to be exposed to construction noise for a long duration; therefore, any extended disruption of normal activities is not expected. Provisions would be included in the plans and specifications that require the contractor to make every reasonable effort to minimize construction noise through abatement measures such as proper maintenance of muffler systems.

The contractor would take appropriate measures to prevent, minimize, and control the spill of hazardous materials in the construction staging area. The use of construction equipment within sensitive areas would be minimized or eliminated entirely. All construction materials used for the Proposed Action would be removed as soon as work schedules permit.

### **3.10 Indirect and Cumulative Impacts**

The following information describes the analysis of potential indirect impacts associated with the Proposed Action, as well as the analysis of possible cumulative impacts which result from the incremental impact of the Proposed Action when added to other past, present, and reasonably foreseeable future actions. A technical report was prepared for TxDOT and submitted under separate cover. The following indirect and cumulative impacts analyses follow guidance outlined in TxDOT's 2010 "Revised Guidance on Preparing Indirect and Cumulative Impact Analyses."

#### **3.10.1 Indirect Impacts Analysis**

The Council on Environmental Quality (CEQ) code of federal regulations (CFR) defines indirect effects as "effects, which are caused by the action and are later in time or farther removed in distance, but are still reasonably foreseeable. Indirect effects may include growth inducing effects and other effects related to induced changes in the pattern of land use, population density or growth rate, and related effects on air and water and other natural systems, including ecosystems" (40 CFR 1508.8). Indirect effects often occur outside of the project right-of-way (ROW), and may include induced growth-related effects on air, water, and other natural resources. There are three broad categories of indirect effects:

- *Encroachment-Alteration Effects* alter the behavior and functioning of the physical environment. These effects are related to project design features, but are separated from the project by time and/or distance.
- *Access-Alteration Effects, also known as Project-Influenced Effects or Land Use Effects.* Changes in traffic, access, and mobility can result in changes in land use. Highway projects may promote development or influence and increase the rate of development; these effects are often referred to as induced growth.

- *Effects Related to Project-Influenced Development or Induced Growth-Related Effects* are attributable to the induced growth itself.

Examples of potential indirect effects of transportation projects include:

- Development and land use changes due to improved access
- Increase in storm water runoff due to changes in land use and increased development on land surrounding a proposed roadway facility
- Increased sedimentation of wetlands and streams and decreased water quality due to future development of land adjacent to a new roadway facility
- Loss of vegetation and wildlife habitat, and decreased habitat value, in areas of increased land development caused by indirectly improved access
- Impact to historic or archeological resource sites from development projects on private property that do not require cultural resource investigation because public funds or permits are not required
- Increased use of parks and recreational areas due to more convenient access provided by a new facility
- Stimulation of the local economy from the circulation of construction spending, improved access to employment opportunities, markets, goods, or services such as health and education, an increased work force related to construction and developments stemming from a new facility
- Temporary impacts to air quality associated with construction machinery exhaust and dust

TxDOT has a Risk Assessment Check List for Indirect Effects used as a tool for scoping whether an indirect impact analyses is required. TxDOT's *Revised Guidance on Preparing Indirect and Cumulative Impact Analyses* (September 2010) is adapted from National Cooperative Highway Research Program (NCHRP) Report 466 and describes a seven-step process for conducting an indirect impacts analysis. The seven step process outlined in TxDOT's *Revised Guidance on Preparing Indirect and Cumulative Impact Analyses* (2010) is as follows:

- 1) Scoping;
- 2) Identify the Study Area Goals and Trends;
- 3) Identify the Study Area's Notable Features;
- 4) Identify Impact-Causing Activities of the Proposed Action and Alternatives;
- 5) Identify Potentially Significant Indirect Effects;
- 6) Analyze Indirect Effects and Evaluate Results; and
- 7) Asses Consequences and Consider / Develop Mitigation.

### **3.10.1.1 Scoping**

During the scoping process for the Proposed Action and the closure of the southern portion of Loop 207, landowners raised concerns regarding access to a private lot, which is neither industrial nor commercial, as a result of the closure (Personal Communication, Public Meeting, November 11, 2013). This private lot makes up a very small portion of the project area (0.008 acres or 0.007%) with the remaining area

being of commercial and industrial land use. Based on landowner concerns regarding access to the portion of Loop 207, which would be closed by the Proposed Action and abuts their property, the parcel will remain open for public access and will be maintained by the City of Mont Belvieu. The remainder of the southern portion of Loop 207 would be closed to the public, eliminating the public safety hazard of traversing through an operational industrial facility. As a result of the scoping process it was determined that the surrounding communities would be better served by the Proposed Action and the closure of a portion of the southern half of Loop 207.

Due to the size and nature of the Proposed Action, the extents of the area of interest (AOI) for the Proposed Action are west to SH 146, east to Loop 207, north to W. School Street, and south to Higgins Street.

#### **3.10.1.2 Identify the Area of Interest's Goals and Trends**

The ultimate goal of the Proposed Action is to increase public safety by installing an extension to divert traffic from driving through an active industrial site. The Proposed Action is located wholly within the city limits of the City of Mont Belvieu, Chambers County, Texas and follows the City's 2010 Comprehensive Plan for future land use development (Appendix M). According to the City of Mont Belvieu's Comprehensive Plan for 2010, land uses in the Proposed Action Area are zoned as industrial therefore, the Proposed Action will be utilized for the Comprehensive Plans' intended purposes. A large portion of the parcels of land that are considered industrial property were previously residential but have since been abandoned as a result of a prior buyout by oil and gas companies which operate in the area. Currently, there are no schools, churches, or grocery stores within 0.5 miles of the Proposed Action Area. The land use within the Proposed Action Area has been converted into an industrial pipeline corridor in this area. The City of Mont Belvieu estimates that the population of the City has increased from 3,800 individuals in 2010 to 5,500 individuals in 2013 (B. Easum, Mont Belvieu City Manager, Personal Communication, November 7, 2013). The population growth is assumed to be mainly attributed to the rapid expansion of oil and gas activities in the area. These trends are expected to continue in the foreseeable future.

#### **3.10.1.3 Inventory of the Study Area's Notable Features**

Notable features in the Proposed Action's AOI include two private businesses, Environmental Earth-Wise Inc. and Mont Belvieu Auto Supply, located between Avenue B and Higgins Street on SH 146 and a cemetery located approximately 0.08 miles southwest of the intersection of Loop 207 and West School Street.

#### **3.10.1.4 Identifying Impact-causing Activities of the Proposed Action and Alternatives**

The Proposed Action would create approximately 0.26 miles of new two lane undivided highway and associated drainage. The construction would require the removal of a portion of existing roadway, Avenue B, and grading throughout the site. All materials will be stored on the ROW or in a location leased strictly for that purpose. The long-term result of the Proposed Action is increased mobility in the AOI.

### **3.10.1.5 Identify Potential Substantial Indirect Effects for Analysis**

Three types of indirect effects were examined for potentially substantial effects, including encroachment-alteration effects, access-alteration effects, and effects related to project-induced development.

Ecological encroachment-alteration effects were not identified as a concern in the scoping process. A team of biologists have determined that ecological encroachment-alteration activities to the habitat would have no potential to be substantial as reflected in the Biological Assessment (MPH, 2013). Vegetation throughout the AOI consists of maintained grass and trees. Although the construction of the Proposed Action would bisect this habitat, the habitat is already constantly disturbed by construction activities associated with the pipeline corridor. Due to the installation of the Proposed Action, it is possible that some animals may be struck by vehicles while crossing the road. However, no evidence of wildlife trails were found during field surveys. The Proposed Action would not alter the hydrological regime or reduce the diversity within the ecosystem.

Socioeconomic encroachment-alteration effects were not identified to be a concern for the notable features within the AOI in the scoping process (Public Meeting, November 12, 2013). One privately owned business, Environmental Earth-Wise, Inc., would gain access to FM 565 through the construction of the Proposed Action.

The Proposed Action Area includes undeveloped land. The recent trends in the area would indicate the possibility of further development. However, this land is owned by industry in the area and is likely to remain undeveloped commercially and residentially due to the increasing need for additional pipeline corridor. Due to the majority of land in the AOI being owned by Enterprise and the area being zoned as industrial it is unlikely that any residential, commercial, or municipal development would occur. No induced growth is anticipated.

Based on the three types of indirect effects examined above, no substantial indirect effects are anticipated as a result of the Proposed Action.

### **3.10.1.6 Analyze Indirect Effects and Evaluate Results**

Based on the information in Step 5, the Proposed Action is not anticipated to cause biological or socioeconomic encroachment or induced growth, therefore, no additional analysis is required.

### **3.10.1.7 Assess Consequences and Consider / Develop Mitigation**

As no potential substantial indirect effects are anticipated as a result of the Proposed Action, no mitigation for these effects was deemed necessary.

### **3.10.2 Cumulative Impacts Analysis**

The CEQ CFR defines cumulative impacts as “the impact on the environment which results from the incremental impact of an action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (federal or non-federal) or person undertakes such other actions. Cumulative impacts can result from individually minor, but collectively significant actions taking place over a period of time” (40 CFR 1508.7).

According to the CEQ’s *Considering Cumulative Effects Under the National Environmental Policy Act*, an analysis of cumulative effects generally includes scoping, describing the effected environment, and determining the environmental consequences. This analysis was conducted in accordance with the eight step process outlined in TxDOT’s *Revised Guidance on Preparing Indirect and Cumulative Impact Analyses* (2010). The eight step process is as follows:

- 1) Identify the resources to consider in the analysis;
- 2) Define the study area for each affected resource;
- 3) Describe the current health and historical context for each resource;
- 4) Identify direct and indirect impacts that may contribute to a cumulative impact;
- 5) Identify other reasonably foreseeable actions that may affect resources;
- 6) Assess potential cumulative impacts to each resource;
- 7) Report the results; and
- 8) Assess and discuss mitigation issues for all adverse impacts.

#### **3.10.2.1 Identify Resources to Consider in the Analysis**

Step one is utilized to identify resources and issues associated with the Proposed Action that could result in cumulative impacts. The Proposed Action AOI was reviewed, as well as feedback from agencies and the prior public meeting to determine if there were potential cumulative impacts related to the Proposed Action.

TxDOT’s *Guidance on Preparing Indirect and Cumulative Impact Analyses* (2010) states that “if a project will not cause direct or indirect impacts on a resource, it will not contribute to a cumulative impact on that resource;” therefore, any resource which does not have a direct or indirect impact as a result of this Proposed Action would not be analyzed for cumulative impacts. This analysis “should focus on 1) those resources substantially impacted by the project, and 2) resources currently in poor or declining health or at risk even if the project impacts are relatively small.”

To this end there were no substantially impacted resources, resources currently in poor or declining health, or at risk resources even with project impacts which are relatively small. Therefore, there would be no cumulative impacts analysis required.

### **3.10.2.2 Identify Resources for Analysis**

Not every resource should be carried through cumulative impacts analysis. The first step in cumulative impacts analysis is to identify: 1) those resources substantially impacted by the project; and 2) those resources currently in poor or declining health or at risk even if the impact of the proposed action is minimal.

As demonstrated throughout Section 3.0, there are no substantial direct impacts anticipated to any resource. Additionally, due to the rural setting of the Proposed Action Area, the nature of the Proposed Action improvements, and permitting and mitigation requirements, there are no substantial indirect impacts anticipated to any of the notable features in the Proposed Action Area.

The Proposed Action is not anticipated to contribute to substantial direct or indirect impacts to any of the resources in the Proposed Action Area nor is it expected to contribute to the declining health of any resources. Therefore, the Proposed Action will likely not contribute to cumulative impacts to any resources. According to TxDOT's Risk Assessment Check List for Cumulative Impacts, no further analysis is required.

## 4 Permits / Agency Coordination / Commitments

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### 4.1 U.S. Army Corps of Engineers

The Proposed Action would result in impacts to approximately 0.0152 acres of waters of the U.S. (specifically four unnamed drainage ditches). Impacts are authorized by USACE Nationwide Permit 14. A letter of NWP verification from the USACE dated January 23, 2014 can be found in Appendix R.

### 4.2 Texas Commission on Environmental Quality

Section 402 of the CWA makes it unlawful to discharge stormwater from construction sites into waters of the U.S. unless authorized by the TCEQ's - TPDES CGP No. TXR150000. If more than five acres of ROW are disturbed during construction, a NOI must be filed with the TCEQ.

The Proposed Action includes more than five acres of disturbance during construction; therefore, an NOI is required. In addition, Enterprise would comply with TCEQ's TPDES CGP No. TXR150000. Furthermore, a site-specific SW3P would be prepared and implemented.

Since the Proposed Action's construction within waters of the U.S. are authorized by USACE NWP 14, compliance with Section 401 of the CWA would entail the implementation of a minimum of one approved BMP from each of the three categories identified in the TCEQ's 401 Water Quality Certification Conditions for Nationwide Permits. The three categories include 1) erosion control, 2) sedimentation control, and 3) post-construction TSS control.

### 4.3 Texas Parks and Wildlife

The Proposed Action Area consists of maintained herbaceous areas with scattered trees of various species. The Proposed Action Area was previously a residential development; however, the residential housing has been removed and the area is currently maintained regularly. Based on a routine wetland determination performed in November 2010, the dominant species within the Proposed Action Area are Bermuda grass (*Cynodon dactylon*), bahia grass (*Paspalum notatum*), southern dewberry (*Rubus trivialis*), Japanese honeysuckle (*Lonicera japonica*), Canadian goldenrod (*Solidago canadensis*), perennial ragweed (*Ambrosia psilostachya*), southern pecan (*Carya illinoensis*), live oak (*Quercus virginiana*), American elm (*Ulmus americana*), and Chinese privet (*Ligustrum sinense*).

Early coordination with TPWD in accordance with the 2013 TxDOT/TPWD Memorandum of Understanding was initiated April 7, 2014. Based on a review of the provided documentation, the avoidance and mitigation efforts described, and provided the Proposed Action plans do not change, the TPWD responded with "early coordination considered complete." A copy of this email is included in Appendix Q.

#### 4.4 Commitments

The following environmental commitments have been outlined in the preceding sections of this document and will be included in the Environmental Permits, Issues, and Commitments sheet as part of the construction Plans, Specifications, and Estimates:

- 1) In accordance with the Migratory Bird Act of 1918, the contractor will prevent migratory birds from building nests between February 1 and August 31. In the event that migratory birds are encountered on-site during construction, every effort would be made to avoid the take of protected birds, active nests, eggs, and/or young to the maximum extent practicable.
- 2) The contractor will make every reasonable effort to minimize construction noise through abatement measures such as proper maintenance of muffler systems.
- 3) The contractor will take appropriate measures to prevent, minimize, and control the spills of hazardous materials in the construction staging area.
- 4) The contractor will follow the procedures to minimize and avoid harm to wildlife and vegetation if encountered during construction.
- 5) TPWD responded with the following BMPs regarding the four listed T&E species of which the contractor will commit to where applicable and practicable:
  - a. For the Henslow's sparrow and Sprague's pipit, BMPs to be implemented include:
    - i. Not disturbing, destroying, or removing active nests, including ground nesting birds, during the nesting season.
    - ii. Avoidance of the removal of unoccupied and inactive nests to the maximum extent practicable.
    - iii. Preventing the establishment of nests during the nesting season on TxDOT owned and operated facilities and structures proposed for replacement or repair.
    - iv. Not collecting, capturing, relocating, or transporting birds, eggs, young, or active nests without the appropriate federal, state, and local permits.
  - b. For the plains spotted skunk, the following BMPs will be implemented:
    - i. All contactors will be advised of potential species occurrence within the Proposed Action area and if encountered, will avoid harming the species. In addition, contractors will avoid any unnecessary impacts to dens encountered onsite.
  - c. In regards to BMPs for all reptiles, including the smooth green snake, TPWD recommends the following:

- i. Where practicable, construction activities such as clearing and grading should be scheduled outside of the spring season (April/May) due to an increase in reptile activity, specifically mating.
  - ii. Where practicable, scheduling ground disturbing activities before October when reptiles become less active and may be using burrows is encouraged.
  - iii. Where applicable, consider designing roads with curbs using a Type I or a Type III curbs to provide a gentle slope to enable turtles and small animals to get out of roadways.
- 6) The Proposed Action will comply with Executive Order 13112 regarding invasive species. Soil disturbance would be minimized to ensure that invasive species would not establish within the Proposed Action. Disturbed areas will be re-seeded with TxDOT approved seeding specifications and abutting grasses within the Proposed Action are expected to re-establish throughout the duration of the Proposed Action.
- 7) The Proposed Action will comply with the Executive Memorandum for Beneficial Landscaping. Seeding and re-vegetation of disturbed areas will be accomplished according to TxDOT Standards and Specifications. Regionally native, habitat appropriate species will be utilized and water efficient practices such as mulching and erosion controls will be implemented.
- 8) The Proposed Action will comply with the terms and conditions of the Nationwide Permit 14 – SWG-2010-01096 and the regional conditions for the State of Texas. Erosion control, sedimentation control, and post-construction total suspended solids control will be implemented.
- 9) BMPs such as silt fences, hay bales, and vegetative filter strips would be installed, monitored, and maintained to prevent discharges from the Proposed Action into Smith Gully which is approximately 0.41 miles east of and approximately 1.53 miles south of the Proposed Action, which drains to Cedar Bayou. Any portable sewage devices utilized during construction would be contained and would not discharge into these waterbodies.
- 10) Fugitive dust control measures such as covering or treating disturbed areas with dust suppression techniques, sprinkling, covering loaded trucks, and other dust abatement controls will be implemented.

## 5 Public Involvement

---

Enterprise and TxDOT held a public meeting to present the Proposed Action and receive input from the public on Tuesday, November 12, 2013. The meeting was held in an open house format at the Mont Belvieu Senior Center located at 11607 Eagle Drive, Mont Belvieu, Texas 77580 between 4:00 pm and 7:00 pm. Meeting notices were published in English in the *Baytown Sun* and in Spanish in the *El Perico Spanish Newspaper*. There were a total of 44 individuals that attended the public meeting, 14 individuals were members of the general public. A station for public comment was available during the public meeting. The station included comment cards in English and Spanish. Comments regarding the Proposed Action were accepted until November 22, 2013, ten days after the public meeting was held. One written comment was received in response to the public meeting. No perceived controversy surrounding the Proposed Action was identified as a result of this meeting. Upon receipt of a Satisfactory for Further Processing determination from TxDOT, an Opportunity For Public Hearing was published in English in the *Baytown Sun* and in Spanish in the *El Perico Spanish Newspaper*. In addition, notifications were mailed to adjacent property owners and elected officials. The deadline for requesting a hearing was March 24, 2015, and there were no requests; therefore, a public hearing was not required.

## 6 Determination of Assessment

---

The Proposed Action has been selected as the preferred alternative because it would best accomplish the Proposed Action's need and purpose of resolving a public safety concern for the City of Mont Belvieu. Although the No-Build Alternative would result in no environmental impacts, it would not meet the objectives of the Proposed Action.

Based on the evaluation of social, biological, physical, and natural resources of the Proposed Action Area, the implementation of the Proposed Action is not expected to impact the human and natural environments to a level that would warrant an Environmental Impact Statement. According to the CEQ regulations (40 CFR §§ 1500-1508), the determination of a significant impact is a function of both context and intensity. The significance of this action was analyzed in the context of the affected region and the affected interests as well as the severity of the impacts. The results of this analysis indicate that impacts associated with the proposed improvements do not constitute a significant impact to the human or natural environment. The engineering, social, economic, and environmental investigations conducted thus far indicate that the Proposed Action will result in no significant impacts on the quality of the human environment and that a Finding of No Significant Impact (FONSI) is anticipated.

## 7 References

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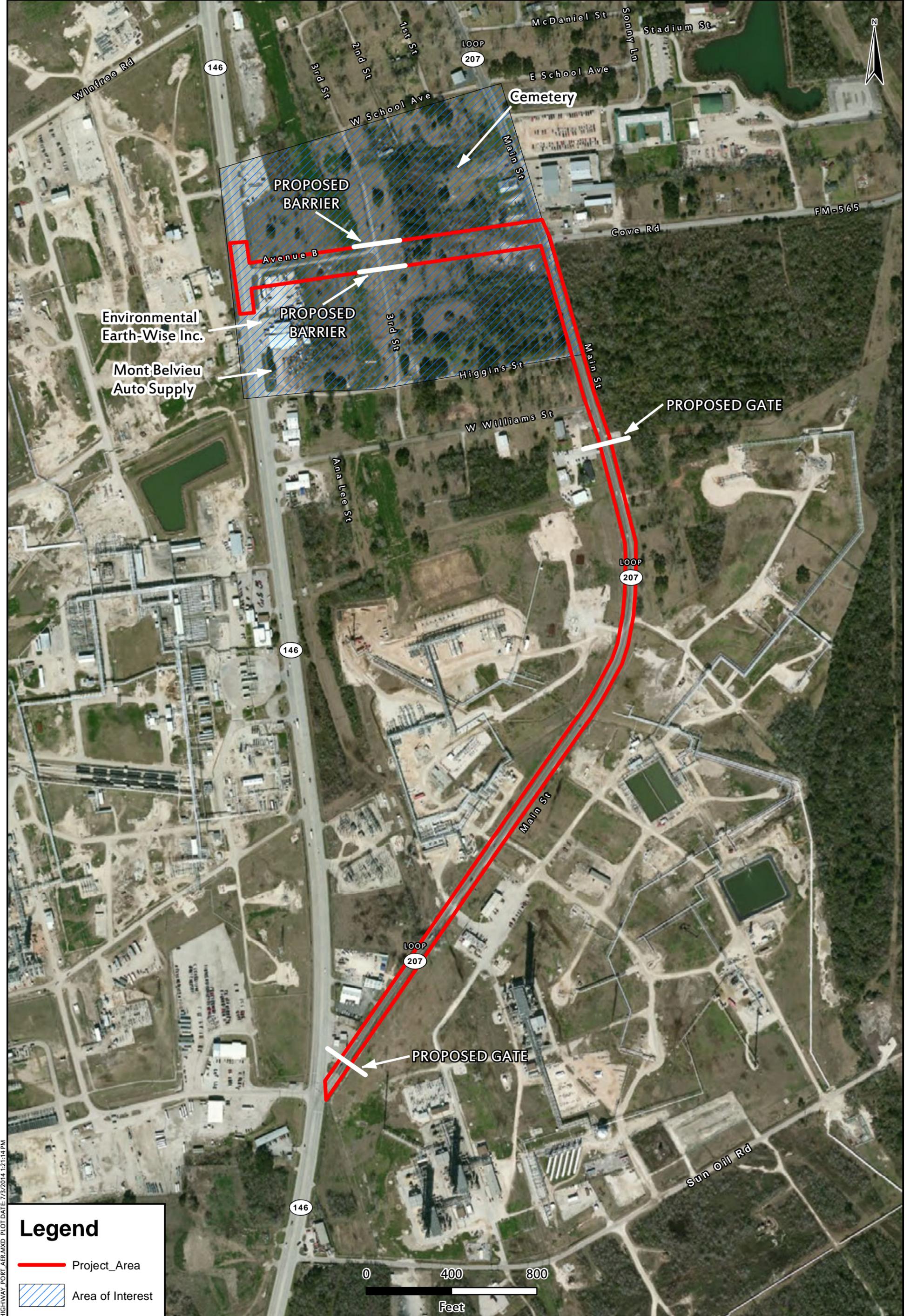
- American Society for Testing and Materials. 2005. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05). West Conshohocken (PA): ASTM International. 35 p.
- B. Easum, City Manager, Personal Communication, November 7, 2013.
- C. Cotter, Professional Engineer and Transportation Manager at LJA Engineering, Inc., Personal Communication.
- Coastal Environment, Inc. 2011. A Cultural Resources Survey of the Proposed Extension of Farm to Market (FM) 565, Mont Belvieu, Chamber, County, Texas. Texas Antiquities Permit #5915.
- Council on Environmental Quality. 1997. *Considering Cumulative Effects Under the National Environmental Policy Act*. Council on Environmental Quality, Executive Office of the President, Washington, D.C.
- Environmental Laboratory. 1987. *Corps of Engineers Wetland Delineation Manual*. Technical Report Y-87-1. U.S. Army Engineer Waterways Experiment Station, Galveston, TX.
- Environmental Laboratory. 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coast Plain Region (Version 2.0)*. Technical Report ERDC/EL TR-10-20. U. S. Army Corps of Engineer Research and Development Center.
- Federal Highway Administration. 1996. *Community Impact Assessment: A Quick Reference for Transportation*. U.S. Department of Transportation, Federal Highway Administration. Washington, D.C.
- Kelly, J., Hahn, T. H., & Manjarris, N. F. (2011). A Cultural Resources Survey of the Proposed Extension of Farm to Market (FM) 565, Mont Belvieu, Chambers County, Texas. Corpus Christi, Texas: Coastal Environments, Inc.
- Knudson & Associates in association with Traffic Engineers, Inc., CivilTech Engineers, Inc., and Brooks and Sparks, Inc. 2010. *City of Mont Belvieu Comprehensive Plan 2010*.
- Lichvar, R.W., M. Butterwick, N.C. Melvin, and W.N. Kirchner. 2014. *The National Wetland Plant List. 2014 Update of Wetland Ratings*. Phytoneuron 2014-41: 1-242. Website ([http://rsgisias.crrel.usace.army.mil/nwpl\\_static/viewer.html#](http://rsgisias.crrel.usace.army.mil/nwpl_static/viewer.html#)) accessed January, 2015.
- McMahan, C. A., R. G. Frye, and K. L. Brown. 1984. *The Vegetation Types of Texas, Including Cropland*. Texas Parks and Wildlife Department Wildlife Division, Austin.
- Perttula, T. K., & Nelson, B. (2008). Archeological Survey of 0.84 Kilometers of 16-Inch ONEOK Arbuckle Pipeline Right of Way in Chambers County, Texas. Austin, Texas: Archeological & Environmental Consultants, LLC.
- Texas Department of Transportation. 2010. *Revised Guidance on Preparing Indirect and Cumulative Impact Analyses*.

Texas Department of Transportation. 2011. *Guidelines for Analysis and Abatement of Roadway Traffic Noise*.

# **Appendices**

# **Appendix A**

## **Site Vicinity Map**



**Legend**

- Project\_Area
- Area of Interest



E:\KEVIN\SHANNON\11220\_HIGHWAY\_PORT\_AER.MXD PLOT DATE: 7/3/2014 12:11:14 PM

**ENTERPRISE PRODUCTS OPERATING LLC**

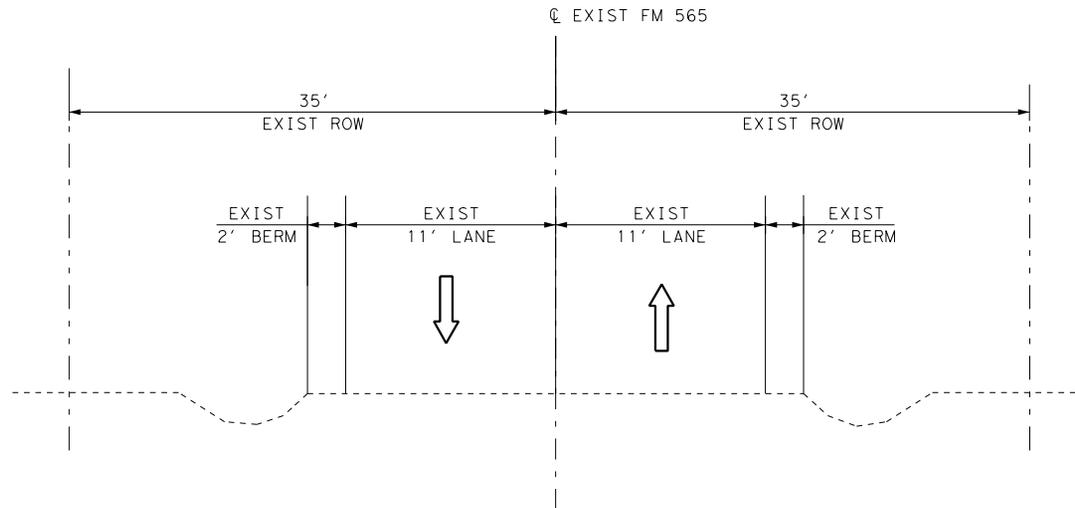
FARM TO MARKET ROAD (FM) 565 EXTENSION FROM LOOP 207 TO ROUTE 146  
MONT BELVIEU, CHAMBERS COUNTY, TEXAS

DRAWN BY: DPC	SHEET: 1 OF 1
APPROVED BY: GB	SCALE: AS SHOWN
FIRM NUMBER: 10142100	DATE: 7/3/2014
GIS FILE: 11220_HIGHWAY_PORT_AER.MXD	

# **Appendix B**

## **Existing and Proposed Roadways Cross Section Drawings**

Figure 1



EXISTING TYPICAL SECTION  
FM 565 EAST OF LOOP 207

NOT TO SCALE

**FM 565 EXTENSION**

EXISTING  
TYPICAL SECTION  
FM 565 EAST OF  
LOOP 207

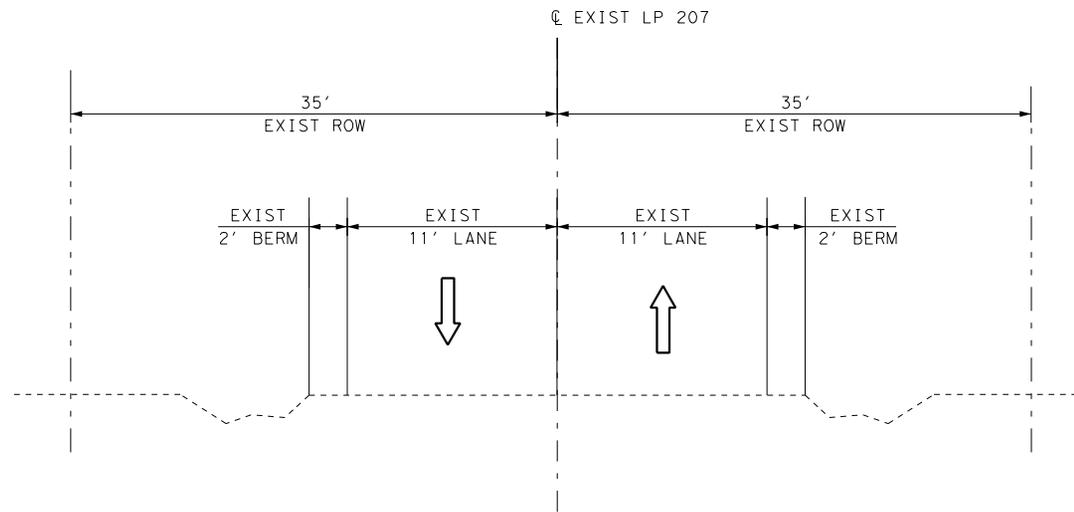
THIS DOCUMENT IS ISSUED  
FOR INTERIM REVIEW AND  
IS NOT TO BE USED FOR  
CONSTRUCTION, BIDDING,  
OR PERMITTING PURPOSES.

ROBERT W. BARNETT  
TEXAS P.E. #49537

ISSUED ON:  
Aug. 27, 2014

**LJA Engineering, Inc.**   
FRN - F-1386

Figure 2



EXISTING TYPICAL SECTION  
LP 207

NOT TO SCALE

**FM 565 EXTENSION**

EXISTING  
TYPICAL SECTION  
LP 207

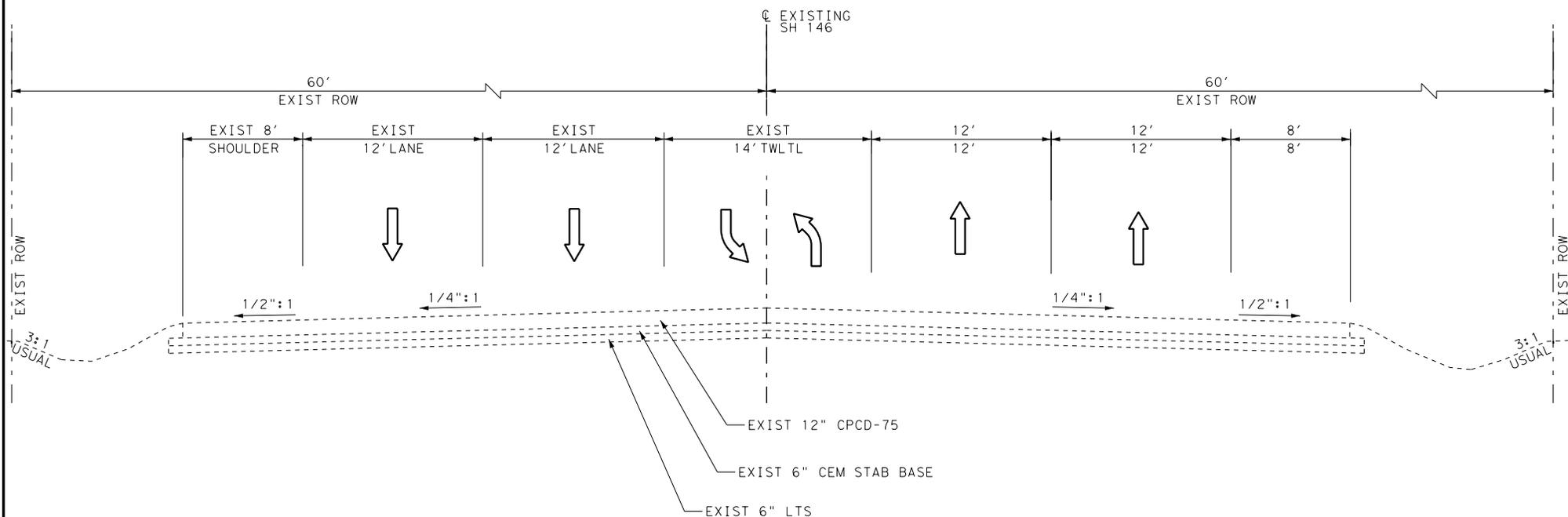
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TEXAS P.E. #49537

ISSUED ON:  
Aug. 27, 2014

**LJA Engineering, Inc.**   
FRN - F-1386

Figure 3



EXISTING TYPICAL SECTION  
SH 146

NOT TO SCALE

**FM 565 EXTENSION**

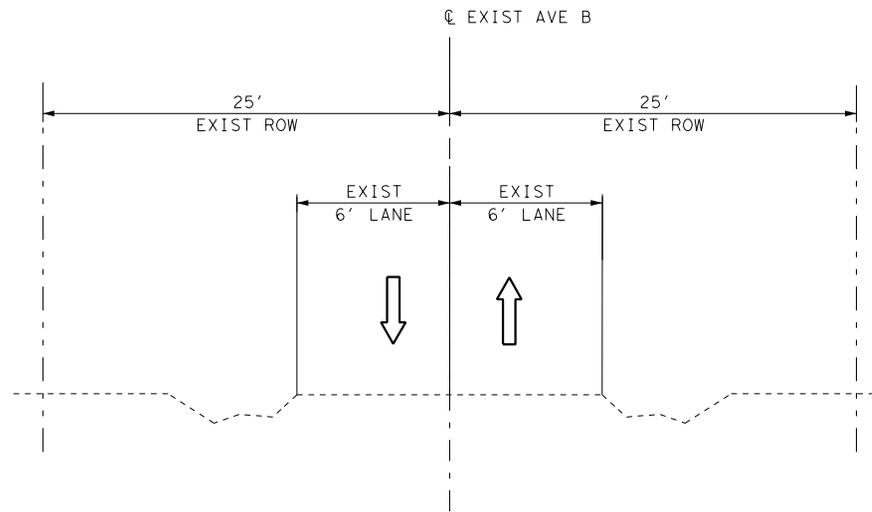
EXISTING  
TYPICAL SECTION  
SH 146

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ROBERT W. BARNETT  
TEXAS P.E. #49537

ISSUED ON:  
Aug. 27, 2014

Figure 4



EXISTING TYPICAL SECTION  
AVENUE B

NOT TO SCALE

**FM 565 EXTENSION**

EXISTING  
TYPICAL SECTION  
AVENUE B

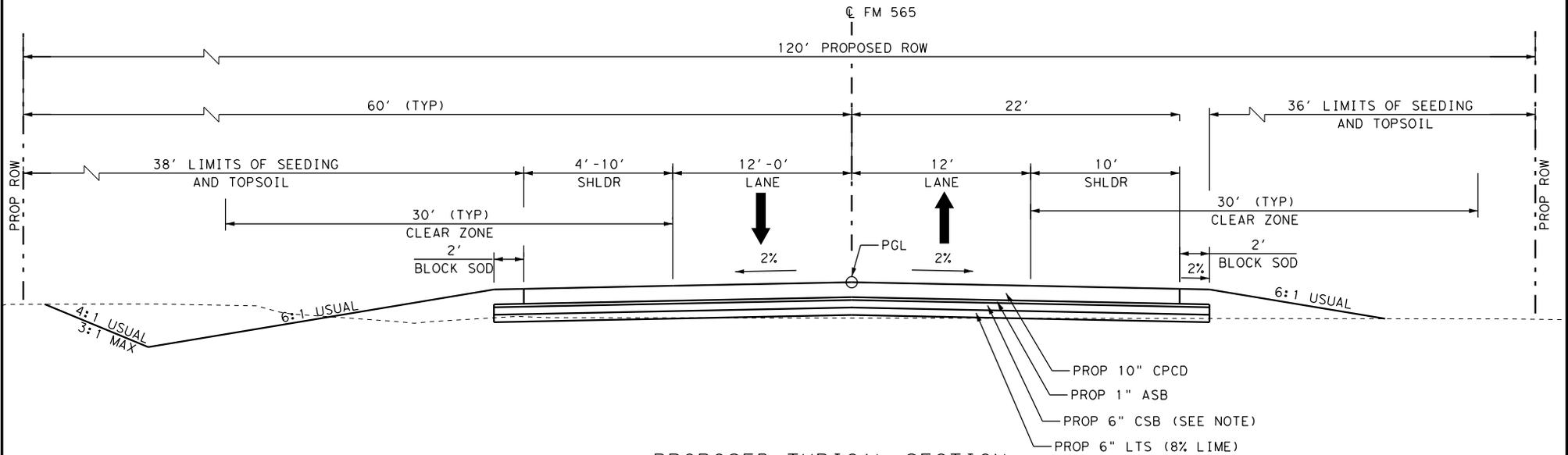
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ROBERT W. BARNETT  
TEXAS P.E. #49537

ISSUED ON:  
Aug. 27, 2014

**LJA Engineering, Inc.**   
FRN - F-1386

Figure 5



PROPOSED TYPICAL SECTION

FM 565  
 STA 6+03.73 TO STA 7+53.73  
 (CONCRETE PAVEMENT)

NOT TO SCALE

**FM 565 EXTENSION**

PROPOSED  
 TYPICAL SECTION  
 FM 565  
 (CONCRETE PAVEMENT)

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 OR PERMITTING PURPOSES.

ROBERT W. BARNETT  
 TEXAS P.E. #49537

ISSUED ON:  
 Aug. 27, 2014

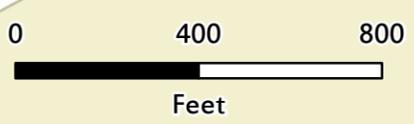
# **Appendix C**

## **Proposed Action Plan Map**



### Legend

- PROJECT AREA
- PROPOSED FM565 EXTENSION
- PROPOSED PRIVATE ROAD / NO PUBLIC ACCESS
- PROPOSED PRIVATE OR CITY ROAD WITH PUBLIC ACCESS



G:\11220-00\MAPS\11220-HIGHWAY PORTRAIT-LEGEND.MXD PLOT DATE: 11/7/2013 1:57:12 PM



**ENTERPRISE PRODUCTS OPERATING LLC**

FARM TO MARKET ROAD (FM) 565 EXTENSION FROM LOOP 207 TO ROUTE 146  
MONT BELVIEU, CHAMBERS COUNTY, TEXAS

DRAWN BY: DPC	SHEET: 1 OF 1
APPROVED BY: GB	SCALE: AS SHOWN
FIRM NUMBER: 10142100	DATE: 11/7/2013
GIS FILE: 11220_HIGHWAY PORTRAIT-LEGEND.MXD	

**Appendix D**  
**Houston – Galveston Area Council**  
**Transportation Improvement Program**  
**Correspondence**



## Texas Department of Transportation

August 30, 2012

Texas Department of Transportation – Beaumont District  
Proposed Project – FM 565 Extension  
Chambers County

Mr. Alan Clark  
MPO Director  
Houston-Galveston Area Council  
PO Box 22777  
Houston, Texas 77227-2777

Dear Mr. Clark:

The Texas Department of Transportation – Beaumont District asks that the following project be programmed and included in the H-GAC Transportation Improvement Program. This project is a locally developed project and is likely to be considered as locally funded regionally significant since it is on the state highway system.

Chambers County  
FM 565  
CSJ: 1024-01-070  
From SH 146 to Loop 207  
Length: 0.26 miles  
Description: Construct 2-lane new location roadway as extension of existing FM 565  
Estimated Total Project Cost: \$223,578.00 (Construction Cost is \$180,000)

TxDOT and our local partners strongly support this project and would like to implement it as soon as possible. A May 2013 letting date is proposed and tentatively scheduled.

If you have any questions or need further assistance, please contact Phillip Lujan, P.E., Director of Transportation Planning and Development at (409) 898-5740.

Sincerely,

Tucker Ferguson, P.E.  
District Engineer  
Beaumont District

### THE TEXAS PLAN

REDUCE CONGESTION • ENHANCE SAFETY • EXPAND ECONOMIC OPPORTUNITY • IMPROVE AIR QUALITY  
INCREASE THE VALUE OF OUR TRANSPORTATION ASSETS

*An Equal Opportunity Employer*

**From:** [David Wurdlow](#)  
**To:** [Phillip Lujan](#)  
**Cc:** [Alan Clark](#); [Ashby Johnson](#); [Scott Ayres](#); [Leanna Sheppard](#)  
**Subject:** RE: FM 565 Chambers County - Local Project  
**Date:** Friday, October 05, 2012 3:49:50 PM  
**Attachments:** [FM 565 Extension - Chambers County.msg](#)  
[FM 565 Project TIP Request.msg](#)  
[MO 112736 June 2011.pdf](#)

---

Phillip,

Per our conversations with you and FHWA, we have determined this project is not regionally significant. As the project does not require any federal approvals or authorizations (including but not limited to funding, environmental or permitting), it does not need to be listed in the 2013-2016 TIP. If it is later determined that listing the project would be beneficial to its development or implementation, we will work with you to ensure a TIP amendment is processed.

Please keep us apprised of the project's progress, so that appropriate adjustments to the regional travel demand model can be made when the Department accepts the FM 565 project and abandons the segment of LP 207.

Thanks,

David Wurdlow  
Houston-Galveston Area Council  
3555 Timmons Lane, Suite 120  
Houston, TX 77027  
Phone: 713-993-2490  
Fax: 713-993-4508  
Email: [david.wurdlow@h-gac.com](mailto:david.wurdlow@h-gac.com)

---

**From:** Phillip Lujan [<mailto:Phillip.Lujan@txdot.gov>]  
**Sent:** Thursday, August 16, 2012 12:06 PM  
**To:** Wurdlow, David  
**Cc:** Leanna Sheppard; Scott Ayres  
**Subject:** FM 565 Chambers County - Local Project

David,

Want to make sure our ducks are in line for this project. Enterprise Products, Inc is developing a project for extending FM 565 from LP 207 to SH 146 as a local project. They will develop, let and construct the project. Once complete, we will swap part of LP 207 for the extension. TxDOT has oversight throughout the process. No TxDOT funds will be use on this project. It currently shows a let date of March 2013, I doubt they will take bids in March, I am working with them to get a realistic schedule. Does this project need to be in the TIP?

Thanks

Phillip

=====

Hurricane Season:

Hurricane season is underway.

Do you have a Personal Plan for your family's safety?

Visit [www.txdot.gov/travel/hurricane.htm](http://www.txdot.gov/travel/hurricane.htm)

**Appendix E**  
**City of Mont Belvieu's request to TxDOT for  
the Proposed Action**

## MB asks TxDOT for FM 565 expansion

By Austin Kinghorn | Posted: Monday, March 27, 2006 11:00 pm

MONT BELVIEU — City council appealed to the Texas Department of Transportation on Monday to extend FM 565 in hopes of eliminating a stop sign that is increasingly becoming a point of congestion for travelers seeking access to Highway 146.

Councilman Mike Pomykal, who suggested the request be placed on council's agenda, said he is concerned both with traffic congestion and the safety of drivers who come into close proximity with industry while driving on Spur 207.

“With all the expansion and with Enterprise there in 207, it's a good idea at some point in time to close that thoroughfare to traffic,” Pomykal said. “If it's not already, it'll be a safety issue.”

Currently FM 565 intersects with Spur 207 and vehicles must turn right or left at a stop sign and continue down the spur to reach Highway 146. Council would like FM 565 to continue straight through its current intersection to allow a straight shot to Highway 146.

The route is not expected to conflict with any existing structures and a small amount of landowners own the property that would be affected by the expansion. Council members were clear that they want the state's transportation department to evaluate the project and that using city funds for the work is not under consideration.

Council also passed a resolution calling for the United States Postal Service to grant Mont Belvieu mail delivery service using the 77580 zip code, which can currently be used only by post office box customers. Residents who receive mail delivery use either 77520 or 77535 zip codes, which are registered as Harris and Liberty counties, respectively.

The lack of a mail delivery zip code specific to Chambers County has long been a source of frustration to area residents, with the resolution passed by council saying longstanding confusion has surrounded the issuance of jury summons, sales tax collection, insurance quotes, federal and state disaster assistance and the delivery of goods.

Beach City, which faces the same zip code dilemma, passed a similar resolution last year. Mont Belvieu Mayor Nick Dixon said cities in West Chambers County are working together to address the problem.

“We're getting a meeting with someone from the post office to see what we can do about the delivery service,” Dixon said.

Residents will also soon be able to use credit and debit cards to pay for city services including utilities and permits along with tickets and fines issued by the municipal court, as council signed off on a one-year agreement with RevTrak to provide processing services.

City Administrator Bryan Easum said the new service should be up and running within a month. Residents will be able to use the new service at City Hall or online at the City's Web site. A \$2 surcharge will be added to payments up to \$50 with an extra \$1 surcharge added for every \$50 increase in payment thereafter. The surcharge will top out at \$6 for all payments over \$200.

Council also approved contributing \$2,000 collected from the city's motel/hotel tax to a proposed Chambers County veteran's memorial in Anahuac. The decision to help pay for the monument to be built at the American Legion Park at Fort Anahuac was previously tabled after some council members expressed concern that the expenditure would not be a legitimate use of the tax, which by law is by law reserved for expenditures that directly increase tourism in the city limits or the immediate vicinity.

"It's somewhat of a stretch for the hotel/motel tax to cover this but from a historical standpoint we need to honor the men and women who have stepped up to protect our liberties," Pomykal said.

Councilman Cecil Parker, who previously questioned the donation, said he felt the one-time expense could be justified by years of Mont Belvieu's economic gain from Anahuac's Texas Gatorfest.

In other items, council:

Tabled a proposal to add several new security cameras around City Hall and in the police department. The cameras were allotted in last year's budget but were not purchased when bids exceeded the budgeted amount. Council elected to postpone the item in order to take a closer look at where to place the new cameras.

Appointed First Southwest as a placement agent for the private placement of general obligation bonds, a move Easum said would save the city nearly \$300,000 in interest and issuance costs.

## TEXAS TRANSPORTATION COMMISSION

CHAMBERS County

### MINUTE ORDER

Page 1 of 2

BEAUMONT District

Transportation Code, §201.206, authorizes the Texas Department of Transportation (department) to accept a donation in any form, including realty, personalty, money materials, and services, for the purpose of carrying out its functions and duties.

Government Code, Chapter 575, requires the governing board of a state agency to acknowledge the acceptance of a donation valued at \$500 or more by majority vote at an open meeting, not later than the 60<sup>th</sup> day after the date the donation is accepted. It also prohibits a state agency from accepting a donation from a person who is a party to a contested case before the agency until the 30<sup>th</sup> day after the date the decision in the case becomes final.

The Texas Transportation Commission (commission) has adopted 43 TAC §§1.500-1.506, which relate to the department's acceptance of donations. Section 1.503 prohibits acceptance of a gift or donation when the donor is subject to department regulation or oversight or when the donor is interested in or likely to become interested in any contract, purchase, payment, or claim with or against the department, except as provided by that section. It also provides that the commission may approve the acceptance of a donation, notwithstanding the foregoing proscriptions in the rules, if it determines that acceptance would provide a significant public benefit and would not influence or reasonably appear to influence the department in the performance of its duties.

In accordance with Transportation Code, Chapter 202, Subchapter B, the commission may recommend the exchange of surplus land as partial or full consideration for other land needed by the state for highway purposes.

Enterprise Products Operating, LLC would like to donate sufficient funding, property and services to provide for land acquisition, utility relocation, environmental assessments, schematics, plans, specifications and estimates, and construction and construction engineering necessary to extend FM 565 from LP 207 to SH 146 for approximately 0.27 miles to provide a direct connection with SH 146 (new right of way). Upon completion of construction, Enterprise Products Operating, LLC, has further agreed to convey the new right of way to the state. Upon acceptance of the new right of way, the department will abandon the southern end of LP 207 from FM 565, south of SH 146 for approximately 0.86 miles, described in Exhibit A (existing right of way or surplus land). The existing right of way will then be closed to public traffic and be used as a road within the refinery. The exchange of a portion of LP 207 for the extension of FM 565 will result in a savings of rehabilitation funds for the department, reduce travel time, and improve safety for the traveling public. The estimated amount of the donation is approximately \$253,177.

This donation has been examined by department personnel. The department recommends issuance of this minute order on the ground that acceptance of the donation and exchange is in the best interest and welfare of the traveling public.

The commission finds that the donation will further the department's responsibilities and that the donor is not a party to a contested case before the department and has not been a party to a contested case before the department during the last 30 days.

TEXAS TRANSPORTATION COMMISSION

CHAMBERS County

MINUTE ORDER

Page 2 of 2

BEAUMONT District

The commission finds that the donor is not interested in or likely to become interested in a contract, purchase, payment, or claim with or against the department. The commission has determined that acceptance of the donation would provide significant public benefits and would not influence or reasonably appear to influence the department in the performance of its duties.

It is the opinion of the commission that upon completion and acceptance of the new right of way, the existing right of way will no longer be needed for highway purposes, will be surplus, and should be removed from the state highway system. It would then be proper and correct that the state convey and release its rights, title and interest in the surplus land to Enterprise Products Operating, LLC, in exchange and as consideration for the conveyance of the new right of way to the state.

IT IS THEREFORE ORDERED by the commission that the donation by Enterprise Products Operating, LLC, is accepted. The executive director or the executive director's designee is authorized to execute all necessary documents under 43 TAC §1.504 to effect the acceptance of the donation and completion of the exchange.

IT IS FURTHER ORDERED by the commission that the executive director is authorized to tender the following proposal to Enterprise Products Operating, LLC (donor).

Provided that Enterprise Products Operating, LLC, at its sole expense completes construction on the new right of way to the satisfaction of the department, conveys the new right of way to the state, and pays the cash difference between the value of the surplus land to the donor in accordance with Transportation Code, Chapter 202, Subchapter B.

IT IS FURTHER ORDERED, in consideration of the foregoing premises and in accordance with Transportation Code, Chapter 202, Subchapter B, the commission hereby finds that if and when the donor satisfactorily complies with all the conditions of this minute order, the designation of the surplus land as part of the state system is then cancelled and the surplus land is no longer needed for highway or public transportation purposes and recommends, subject to approval by the attorney general, that the governor of Texas execute proper instruments conveying and releasing all of the state's rights, title and interest in the surplus land to Enterprise Products Operating, LLC, in exchange and as consideration for the conveyance to the state of the new right of way.

Submitted and reviewed by:

*Scott D. Burford*

Director, General Services Division

Recommended by:

*Amelia Lopez*

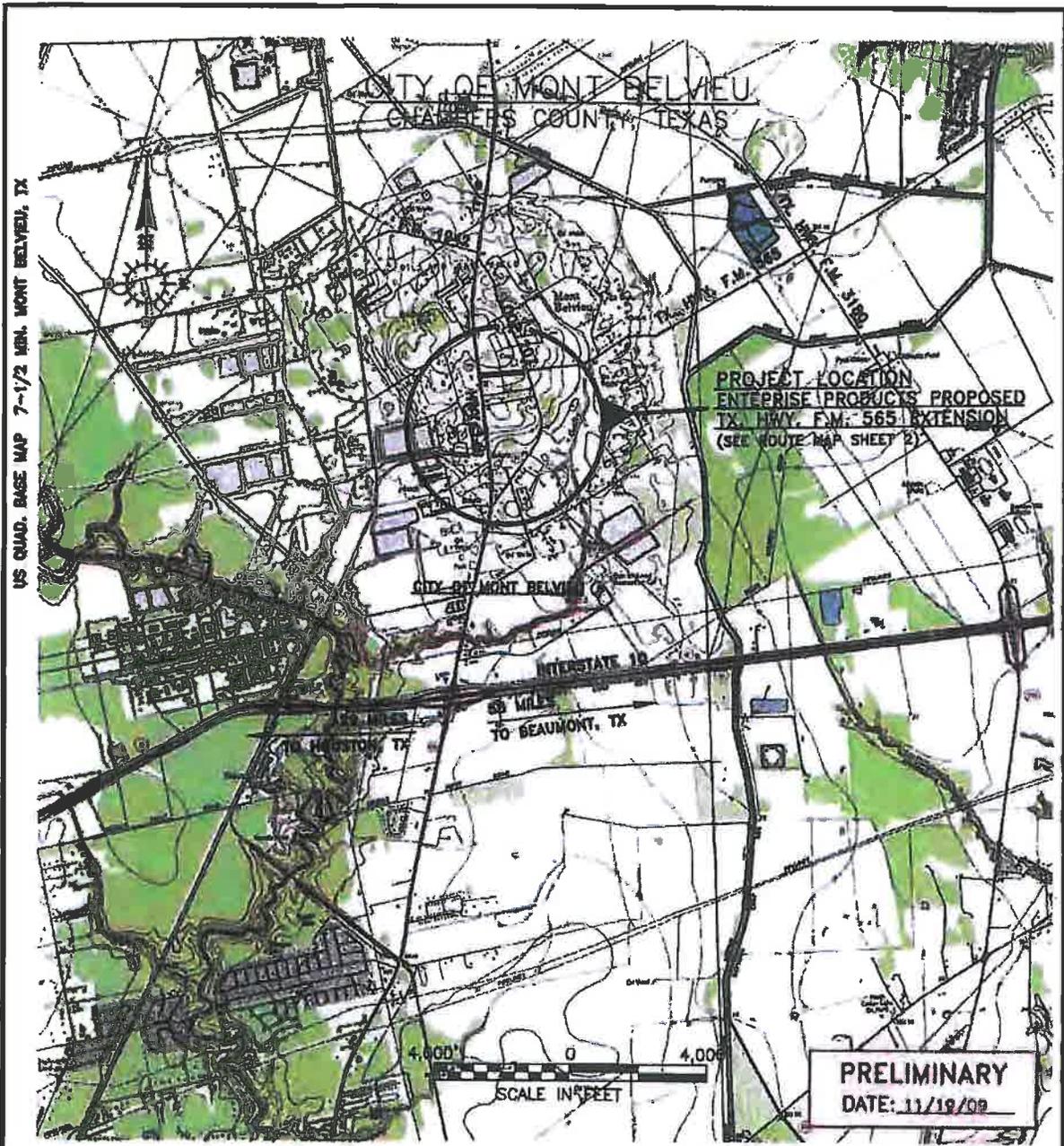
Executive Director

**112736 JUN 30 11**

Minute  
Number

Date  
Passed

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 US QUAD. BASE MAP 7-1/2 MIN. MONT BELVIEU, TX



**PRELIMINARY**  
 DATE: 11/19/09

A	11/19/09	ISSUED FOR REVIEW
NO.	DATE	REVISION

**ENTERPRISE PRODUCTS TEXAS OPERATING, L.L.C.**

**AREA MAP**  
 PROPOSED TX. HWY. F.M. 565 EXTENSION  
 LOOP 207/MAIN ST. R.O.W. EXCHANGE  
 CITY OF MONT BELVIEU CHAMBERS COUNTY, TEXAS

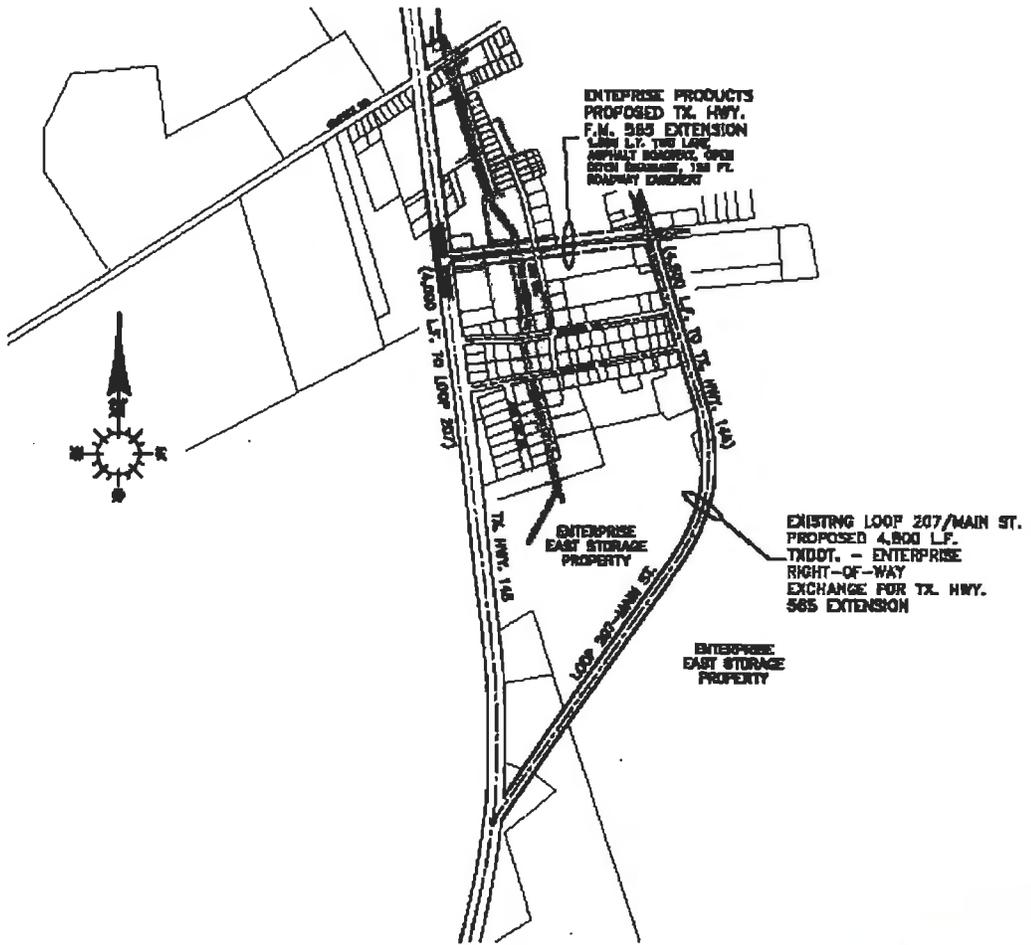
**mph**  
 Morris P. Hubert, Inc.  
 surveying & engineering

Office Location:  
 1800A FARMWAY  
 361 Cypress Drive  
 Houston, Louisiana 70007  
 800 879 2117 FAX: 409 636 0700  
 HOUSTON, TEXAS 77058  
 11300-10300 FAX: 713 220 1171  
 http://www.mph.com

DRAWN BY:	CCJD	SHEET:	1
CHECKED BY:	RCJ	SCALE:	AS INDICATED
APPROVED BY:	ECD	DATE:	11/19/09
DRAWING NO.:	10300-4001		

E:\Land Projects\10300 EPCO HWY 585 EXT\4000-PERMITS\10300-4002.dwg plotted on Nov 18, 2008 - 5:59pm ACAD ver 17.2a (LMS Tech)

**CITY OF MONT BELVIEU  
CHAMBERS COUNTY, TEXAS**

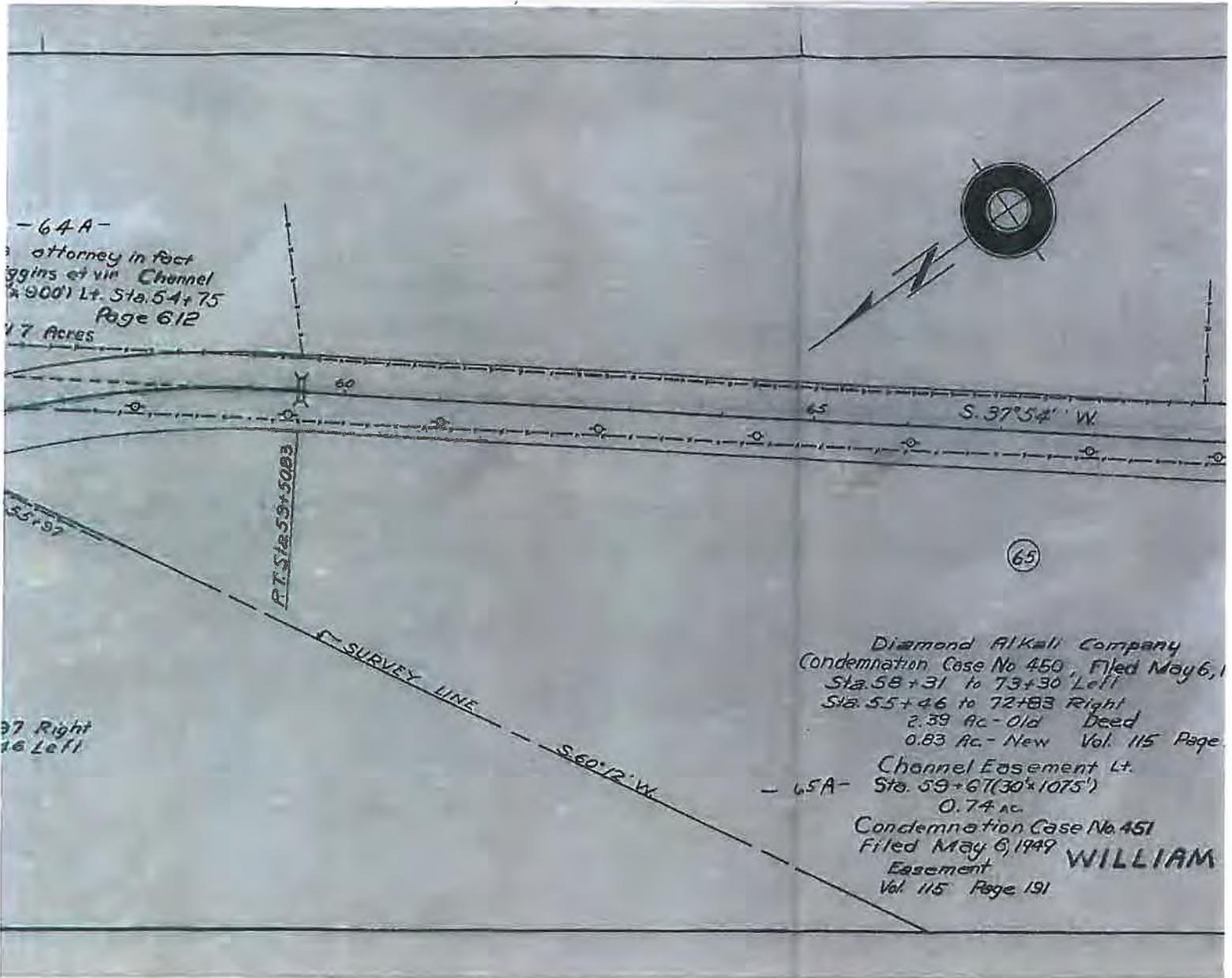


A	11/19/08	ISSUED FOR REVIEW
NO.	DATE	REVISION
<b>ENTERPRISE PRODUCTS TEXAS OPERATING, L.L.C.</b>		
<b>VICINITY MAP</b>		
<b>PROPOSED TX. HWY. F.M. 585 EXTENSION</b>		
<b>LOOP 207/MAIN ST. R.O.W. EXCHANGE</b>		
<b>CITY OF MONT BELVIEU</b>		<b>CHAMBERS COUNTY, TEXAS</b>

12500 Louisa  
 JENCO MARKER  
 800 Progress Blvd  
 Dallas, Texas 75241  
 Tel: 469-433-1000 Fax: 469-433-1001  
 www.morrisrhubert.com  
 Surveying & Engineering  
 2004 Paul R. Rose Building  
 Houston, Texas 77051  
 713-226-3830/3870-28-3871  
 mh@mrh.com

DRAWN BY:	CCD	SHEET:	2
CHECKED BY:	RCJ	SCALE:	AS INDICATED
APPROVED BY:	ECG	DATE:	11/18/08
DRAWING NO.:	12801-4002		

Exhibit A-1  
ROW Map



**Exhibit A-1  
ROW Map**

Cont. 389 Section 10 Job  
TEXAS STATE HIGHWAY

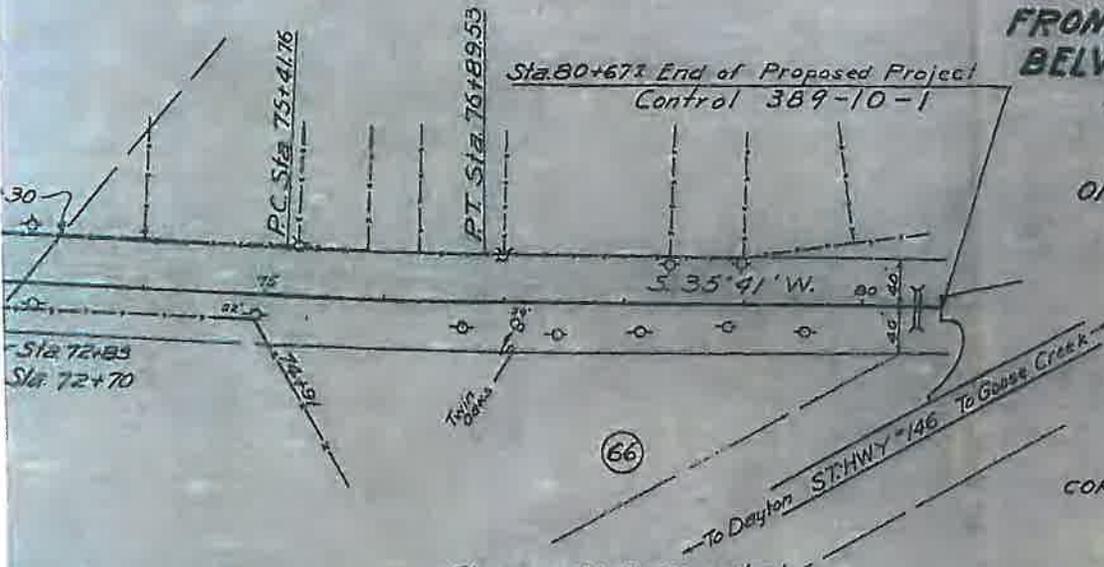
PI = 76+15.66  
Δ = 2°13'11"  
D = 1°30'  
T = 73.90'  
L = 147.77'

NOTE: See Order Passed by Commissioners  
Court of Liberty County, Texas on  
12th day of Sept. 1979 as Same  
Appears of Record in Vol. 1  
Page 15 of the Commissioners  
Court Minutes of Liberty County,  
Texas

**RIGHT OF WAY MAP  
CHAMBERS COUNTY  
MONT BELVIEU BUSINESS  
FROM JCT. WITH ST. HWY. 146  
BELVIEU - TO JCT. WITH ST.  
SOUTH OF MT. BELVIEU**

LENGTH 1.53 MI

OFFICE OF RESIDENT ENGINEER  
DISTRICT No. 2  
FEBRUARY 1981  
SCALE: 1"=100'



Right of Way  
36+50 to  
(Centerline)  
**MENTATION**

Eleanor W. Collier et al.  
Sta. 73+00 to 80+68  
0.53 Ac. - New  
0.88 Ac. - Old  
Deed  
Vol. 112 Page 616

CORRECT

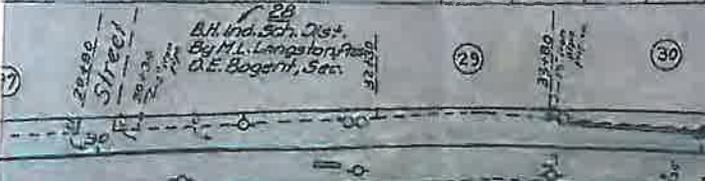
DISTRICT R.O.W. ENGINEER

RECOMMENDED FOR  
APPROVAL:

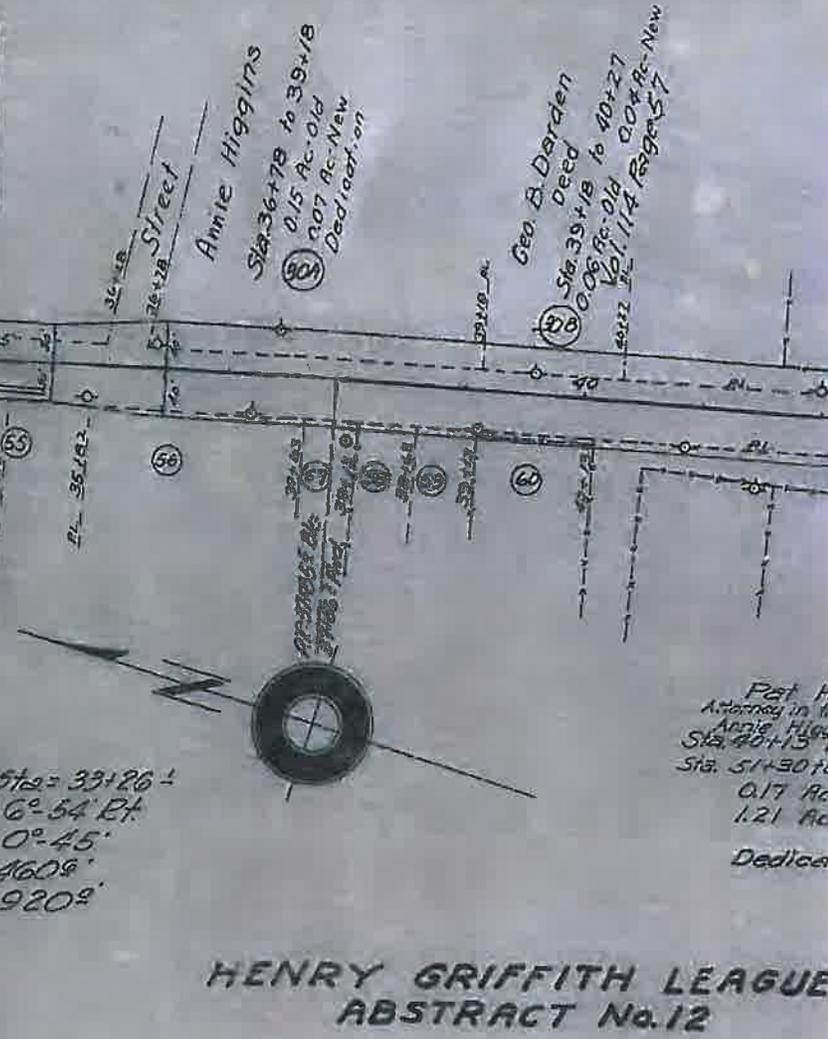
DISTRICT ENGINEER

Exhibit A-1  
ROW Map

NAME	STATIONS	Old Ac.	New Ac.	Vol.	Page
Langston	28+50 to 29+90	0.06	0.05	Dedication	
's Hill Ind. of Dist.	29+90 to 32+90	0.10	0.09	"	
arrow et ux.	32+30 to 33+80	0.07	0.05	"	
Albert	33+80 to 36+28	0.14	0.04	Deed No. 112	621



NAME	STATIONS	Old Ac.	New Ac.	Vol.	Page
Stubbs	F.H. Stubbs - Lot 4, 5	0.08	—	Dedication	
Williams	J.H. Williams - Lot 1	0.03	—	no ROW required	
Caraway	" Lot 2	0.04	—	Dedication	
Watts	" Lot 3	0.04	—	"	
Kinney	" Lot 4	0.04	—	"	
Watts	" Lot 5, 6, 7	0.11	—	no ROW required	
Watts et ux.	32+03 to 32+68	0.05	—	Dedication	
Watts et ux.	32+68 to 34+66	0.13	0.03	"	
Watts et ux.	34+66 to 35+16	0.04	—	"	
Watts et ux.	35+16 to 35+82	0.05	—	"	
Watts et ux.	35+82 to 37+63	0.14	0.03	"	
Watts et ux.	37+63 to 38+13	0.04	0.01	"	
Watts et ux.	38+13 to 38+63	0.04	0.01	"	
Watts et ux.	38+63 to 39+13	0.04	0.01	"	
Watts et ux.	39+13 to 40+13	0.08	0.01	"	



$PI \text{ Sta} = 33+26 \frac{1}{2}$   
 $\Delta = 6^\circ 54' R$   
 $D = 0^\circ 45'$   
 $T = 4609'$   
 $L = 9209'$



# **Appendix F**

## **City of Mont Belvieu Resolution 2009-018**

**RESOLUTION NO. 2009-018**

**SUPPORTING THE EXTENSION OF FM 565 IN MONT BELVIEU,  
TEXAS.**

**WHEREAS**, the State of Texas by and through the Texas Transportation Commission, owns and maintains a system of highways including FM 565 and Loop 207 in Chambers County, Texas, for public use and benefit; and

**WHEREAS**, Enterprise Products Operating LLC desires to incorporate a portion of Loop 207 within the confines of its Mont Belvieu Terminal facility which requires the termination and abandonment of a portion of Loop 207; and

**WHEREAS**, the City of Mont Belvieu desires to facilitate the termination and abandonment of Loop 207 by entering into an agreement with Enterprise Products Operating LLC whereby Enterprise Products Operating LLC extends a length of FM 565 to connect to SH 146 (the Project); and

**WHEREAS**, provided certain requirements are met, the Texas Department of Transportation (TXDOT) has indicated a willingness to recommend to the Texas Transportation Commission the abandonment of Loop 207 and the acceptance of the proposed extension of FM 565; and

**WHEREAS**, the Project limits fall within the jurisdictional boundaries of the City of Mont Belvieu, Texas, and the City agrees that the Project will be an asset and enhancement to local transportation; and

**WHEREAS**, the City of Mont Belvieu is in support of the Project and is agreeable to assume the authority for and maintenance of a short portion of Loop 207 and accompanying right-of-way which is not needed for the Project but is needed to maintain access to existing property owners:

**NOW, THEREFORE, THEREFORE BE IT RESOLVED, THAT:**

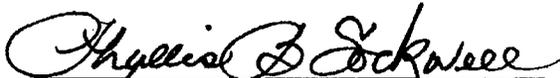
The City of Mont Belvieu supports and concurs with the abandonment of Loop 207 and extension of FM 565 to SH 146; and

The City Council of the City of Mont Belvieu authorizes Mayor Nick Dixon, to execute this Resolution as the act and deed of the City of Mont Belvieu.

**DATED AND APPROVED** this the 23<sup>rd</sup> day of November, 2009.

  
\_\_\_\_\_  
Nick Dixon, Mayor

ATTEST:

  
\_\_\_\_\_  
City Secretary

# **Appendix G**

## **Proposed Action Area Photographs**



1. View of Highway 146 facing south from the intersection of Highway 146 and Loop 207



2. View of Highway 146 facing north from the intersection of Highway 146 and Loop 207



3. View of Loop 207 facing northeast from the intersection of Highway 146 and Loop 207



4. View of Loop 207 facing south from the intersection of Loop 207 and Farm to Market Road 565



5. View of Farm to Market Road facing east from the intersection of Farm to Market Road 565 and Loop 207



6. View of Loop 207 Facing north from the intersection of Loop 207 and Farm to Market Road 565



7. View of the proposed extension rout facing east from the intersection of 3<sup>rd</sup> Street and Avenue B



8. View of Avenue B facing west from the intersection of Avenue B and 3<sup>rd</sup> Street



9. View of 3<sup>rd</sup> Street facing north from the intersection of Avenue B and 3<sup>rd</sup> Street



10. View of 3<sup>rd</sup> Street facing south from the intersection of Avenue B and 3<sup>rd</sup> Street



11. View of Highway 146 facing south from the intersection of Highway 146 and Avenue B



12. View of highway 146 facing north from the intersection of Highway 146 and Avenue B



13. View of the facility west of the intersection of Highway 146 and Avenue B



14. View of Avenue B facing east from the intersection of Highway 146 and Avenue B

# **Appendix H**

## **Land Acquisition Letter**



# Enterprise Products Operating LLC

P.O. Box 4324

Houston, Texas 77210-4324

713.381.6500

[www.enterpriseproducts.com](http://www.enterpriseproducts.com)

November 12, 2014

Texas Department of Transportation – Beaumont District  
ATTN: Phillip Lujan, PE, Director of Transportation Planning and Development  
8350 Eastex Freeway  
Beaumont, Texas 77708

RE: Proposed Farm-to-Market 565 Extension Project – Right-of-Way Acquisition Compliance  
Mont Belvieu, Chambers County, Texas

Mr. Lujan:

Enterprise Products Operating LLC (Enterprise) certifies that right-of-way for the extension of Farm-to-Market (FM) 565 from Loop 207 to State Highway 146 in Mont Belvieu, Chambers County, Texas (CSJ# 1024-01-070) has been and will be acquired according to policies of the Texas Department of Transportation and in accordance with applicable Federal and State laws governing the acquisition policies for acquiring real property. Documentation for compliance with these requirements is available for audit in our files.

Should you have any questions or require additional information, please contact Jo Shirey at [njshirey@eprod.com](mailto:njshirey@eprod.com) or 713-381-6451.

Sincerely,

Marc D. Tausend  
Agent and Attorney in Fact  
Enterprise Products Operating LLC

# **Appendix I**

## **Adjacent Property Owners Map**

E:\KEVIN\ENVIRONMENTAL TEMPLATES\1220-00\MAPS\1220\_AERIAL.MXD PLOT DATE: 9/27/2013 9:26:44 AM



**ENTERPRISE PRODUCTS OPERATING LLC**

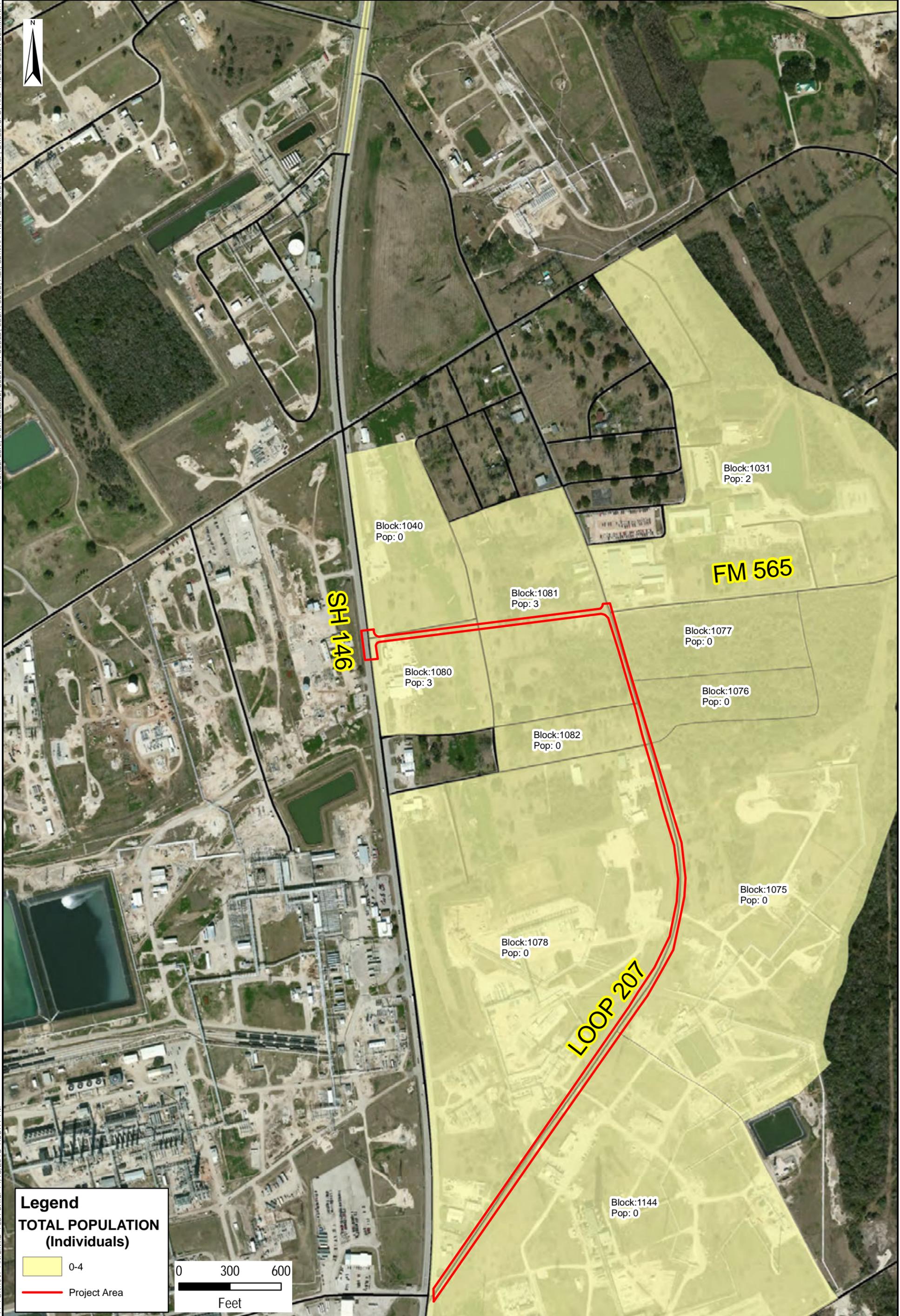
FM 565 EXTENSION TO ROUTE 146, MONT BELVIEU, TEXAS

DRAWN BY: KCR	SHEET: 1 OF 2
APPROVED BY: GB	SCALE: AS SHOWN
FIRM NUMBER: 10142100	DATE: 9/27/2013
GIS FILE: 11220_AERIAL.MXD	

# **Appendix J**

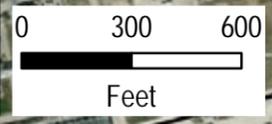
## **Community Profile Map**

SOURCE: ESRI, DIGITALGLOBE, GEOEYE, ICUBED, USDA, USGS, AEX, GETMAPPING, AERGRID, IGN, IGP, SIMSSTOPO, AND THE GIS USER COMMUNITY



**Legend**  
**TOTAL POPULATION**  
**(Individuals)**

- 0-4
- Project Area



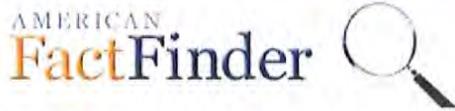
**ENTERPRISE PRODUCTS OPERATING LLC**

FARM TO MARKET ROAD (FM) 565 EXTENSION FROM LOOP 207 TO ROUTE 146  
MONT BELVIEU, CHAMBERS COUNTY, TEXAS

DRAWN BY: KCR	SHEET: 1 OF 1
APPROVED BY: GB	SCALE: AS SHOWN
FIRM NUMBER: 10142100	DATE: 10/23/2013
GIS FILE: CENSUS_11_17_PORTRAIT_FINAL.MXD	

# **Appendix K**

## **American Community Survey 5-Year Estimates Database**



B16001

LANGUAGE SPOKEN AT HOME BY ABILITY TO SPEAK ENGLISH FOR THE POPULATION 5 YEARS AND OVER

Universe: Population 5 years and over

2007-2011 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

	Mont Belvieu city, Texas	
	Estimate	Margin of Error
Total:	3,364	+/-113
Speak only English	2,886	+/-201
Spanish or Spanish Creole:	416	+/-179
Speak English "very well"	243	+/-114
Speak English less than "very well"	173	+/-110
French (incl. Patois, Cajun):	54	+/-62
Speak English "very well"	54	+/-62
Speak English less than "very well"	0	+/-95
French Creole:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Italian:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Portuguese or Portuguese Creole:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
German:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Yiddish:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Other West Germanic languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Scandinavian languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Greek:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Russian:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95

	Mont Belvieu city, Texas	
	Estimate	Margin of Error
Polish:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Serbo-Croatian:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Other Slavic languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Armenian:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Persian:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Gujarati:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Hindi:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Urdu:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Other Indic languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Other Indo-European languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Chinese:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Japanese:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Korean:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Mon-Khmer, Cambodian:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Hmong:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Thai:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Laotian:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Vietnamese:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Other Asian languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Tagalog:	8	+/-14
Speak English "very well"	8	+/-14

	Mont Belvieu city, Texas	
	Estimate	Margin of Error
Speak English less than "very well"	0	+/-95
Other Pacific Island languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Navajo:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Other Native North American languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Hungarian:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Arabic:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Hebrew:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
African languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95
Other and unspecified languages:	0	+/-95
Speak English "very well"	0	+/-95
Speak English less than "very well"	0	+/-95

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

While the 2007-2011 American Community Survey (ACS) data generally reflect the December 2009 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2000 data. Boundaries for urban areas have not been updated since Census 2000. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

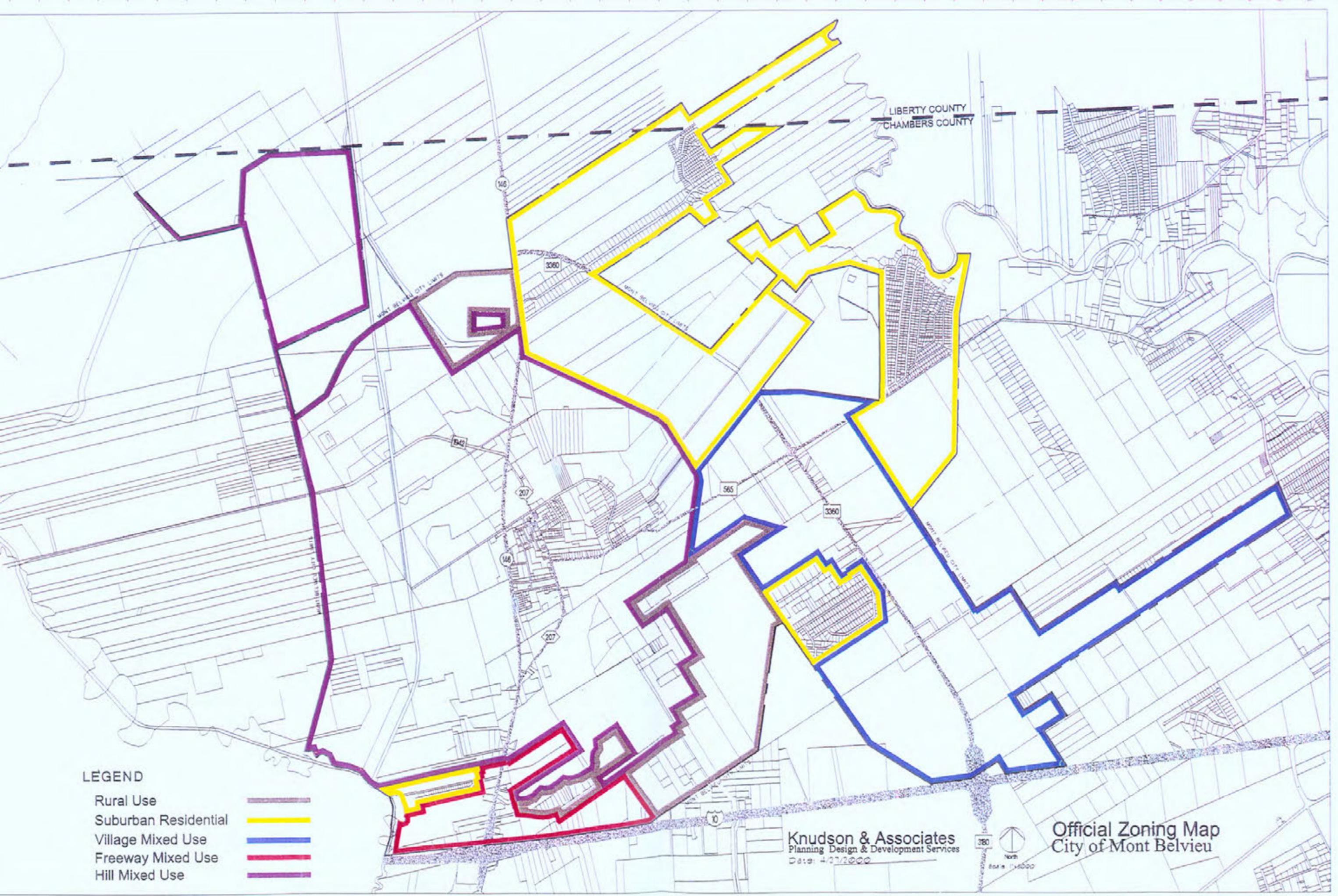
Source: U.S. Census Bureau, 2007-2011 American Community Survey

#### Explanation of Symbols:

1. An '\*\*\*' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '\*\*\*\*' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '\*\*\*\*\*' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

# **Appendix L**

## **City of Mont Belvieu Official Zoning Map**

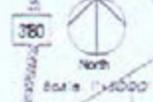


LIBERTY COUNTY  
CHAMBERS COUNTY

**LEGEND**

- Rural Use
- Suburban Residential
- Village Mixed Use
- Freeway Mixed Use
- Hill Mixed Use

**Knudson & Associates**  
Planning Design & Development Services  
Date: 4/27/2000

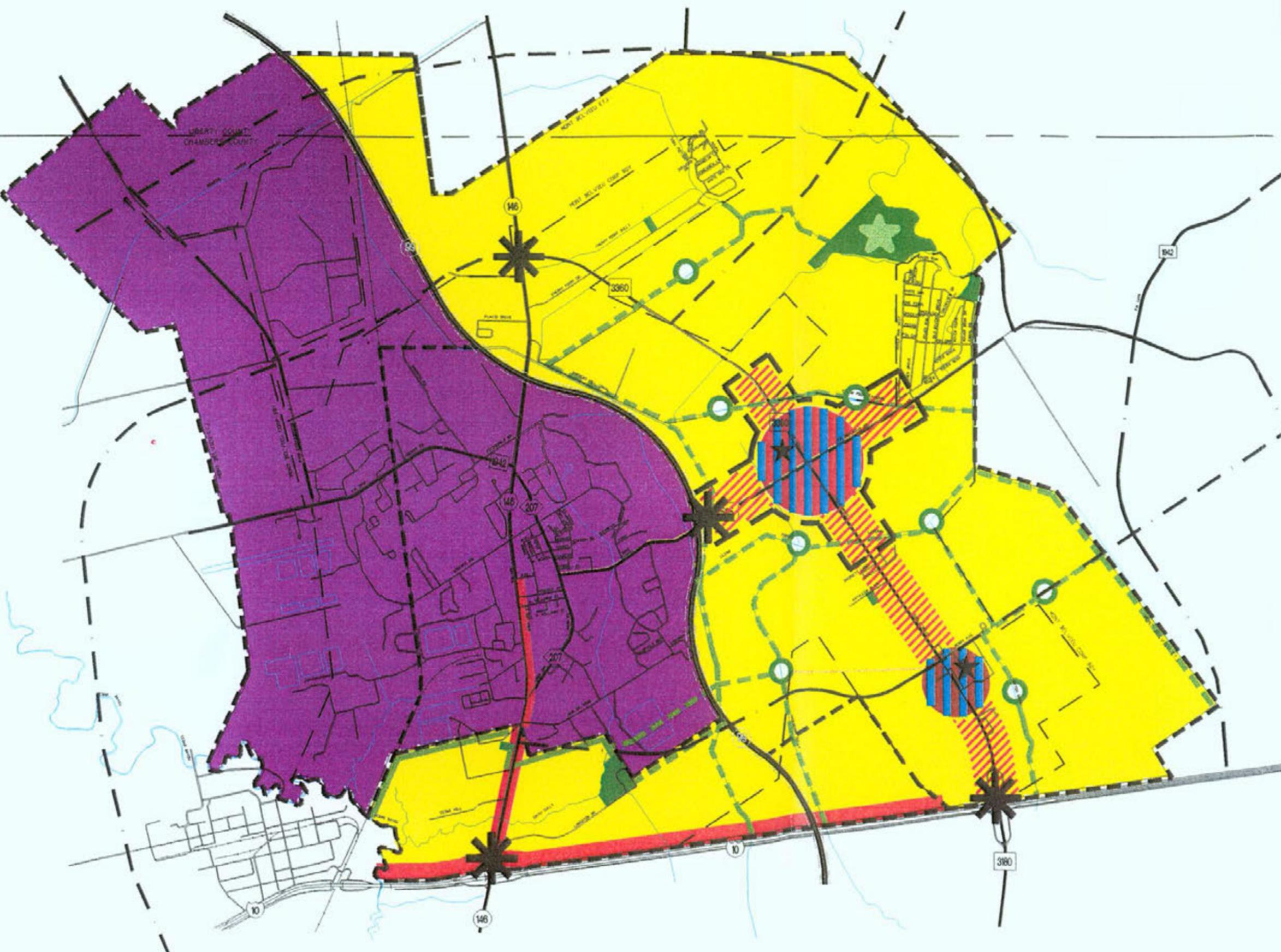


**Official Zoning Map**  
City of Mont Belvieu

**Appendix M**  
**Land Use Map from the City of Mont  
Belvieu's Comprehensive Plan 2010**

Figure 4.3.1

# CITY OF MONT BELVIEU COMPREHENSIVE PLAN 2010



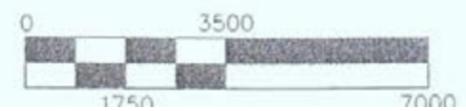
### Legend

- District Boundaries
- City Limits
- Existing Arterials
- Proposed Grand Parkway
- Proposed Arterials
- Gateways
- Civic Center, Schools
- Regional Destination
- Hike & Bike Trails
- Bike Lanes
- Proposed Open Space Requirement
- Existing Open Space
- Residential
- Commercial
- Industrial
- Institutional
- Commercial Corridor
- Town Center
- Education Center
- Proposed Town Center Designation

Knudson & Associates  
TEI Traffic Engineers, Inc.  
CivilTech Engineering, Inc.  
Brooks & Sparks, Inc.

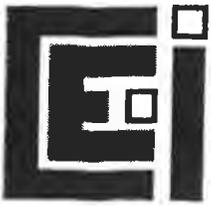


North  
Scale: 1"=3500'



# **Appendix N**

## **Correspondence from the Texas Historical Commission**



# Coastal Environments Incorporated

**DRAFT REPORT ACCEPTABLE**

by Mark Wolfe  
 for Mark Wolfe  
 Executive Director, THC

Date 6-29-11

Track# \_\_\_\_\_

**Services:**

Applied Science & Planning

Environmental Restoration & Monitoring

Cultural Resources Management

Geographic Information (GIS) Services

Litigation Services

**Website:**

www.coastalenv.com

**Corporate Office:**

1260 Main Street  
Baton Rouge, LA 70802  
Ph (225) 383-7455  
F (225) 383-7925

**Other Locations:**

127 Babcock Farm Road  
Appomattox, VA 24522  
Ph/F (434) 352-4168  
pearson@coastalenv.com

25 South Carancahua Street  
Corpus Christi, TX 78401  
Ph (361) 854-4885  
Fax (361) 884-1844  
kelly@coastalenv.com

12 Water St.  
Hixson, MS 39530  
Ph (228) 385-5547  
Fax (228) 385-5548  
ellis@coastalenv.com

202 Saint John Street  
Madisonville, LA 70447  
Ph/F (985) 845-2879  
gagliano@coastalenv.com

225 Lakeshore Dr  
ERM RM 443  
New Orleans, LA 70122  
Ph (504) 280-4082  
Fax (504) 280-4081  
appel@coastalenv.com

23 May 2011

Texas Historical Commission  
P.O. Box 12276  
Austin, TX 78711-2276

**RECEIVED**

MAY 31 2011

TEXAS HISTORICAL COMMISSION

Please find enclosed a draft copy of the report *A Cultural Resources Survey of the Proposed Extension of Farm to Market (FM) 565, Mont Belvieu, Chambers County, Texas*. The property is currently privately owned, but upon completion of the extension and fulfillment of state requirements per Texas Department of Transportation and the U.S. Army Corp of Engineers, will be donated to TxDOT. The client, Morris P. Hebert, Inc. requested that THC review the attached draft report.

The abstract is as follows:

Coastal Environments, Inc., (CEI) was contracted by Morris P. Hebert, Inc., to conduct an archaeological Phase I survey of a portion of the proposed extension of Farm to Market (FM) 565/Sun Oil Road in Mont Belvieu, Chambers County, Texas. The survey was carried out on the natural salt dome for which Barbers Hill was named between 21 and 27 March 2011 by Jennifer A. Kelly and Nicholas F. Manjarris, both of CEI. Richard A. Weinstein served as the Principal Investigator for this project.

The mechanical scraping/trenching of six trenches within an area of the proposed Right-of-Way (ROW) immediately south of the Barber-Williams Cemetery proved negative for either historic or prehistoric burials. The few artifacts recovered shed little light on the history of the area, which was used primarily for gas and oil production throughout the twentieth century. In addition to the cultural resources survey, the U.S. Army Corps of Engineers requested that a view-shed analysis and audible assessment be conducted. It is concluded that the proposed FM 565 extension will not be visually intrusive, nor will the construction increase noise within the cemetery limits. Moreover, as a result of the survey, it is recommended that no further archaeological investigations are required, but that if any funerary items are encountered during the construction of the FM 565 extension, that work be stopped and the proper authorities notified.

Thank you,

Jennifer A. Kelly  
Coastal Environments, Inc.  
(361) 854-4885  
jkelly@coastalenv.com

**ANTIQUITIES CODE OF TEXAS REVIEW**  
**NO SIGNIFICANT SITES**  
**PROJECT MAY PROCEED**

by Mark Wolfe  
 for Mark Wolfe  
 Executive Director, THC

Date 6-29-11

Track# 201114388

TEXAS HISTORICAL COMMISSION  
*real places telling real stories*

February 3, 2012

Richard Weinstein  
Coastal Environments, Inc.  
525 South Carancahua Street  
Corpus Christi, TX 78401

Re: Project review under the Antiquities Code of Texas  
Final Report: *A Cultural Resources Survey of the Proposed Extension of Farm to Market (FM) 565, Mont Belvieu, Chambers County, Texas*  
Texas Antiquities Permit #5915  
**COMPLETED PERMIT**

Dear Colleague:

Thank you for your correspondence describing the above referenced project. This letter presents the comments of the Executive Director of the Texas Historical Commission, the state agency responsible for administering the Antiquities Code of Texas.

The Archeology Division is in receipt of the final report, a completed *Abstracts in Texas Contract Archeology* form online, and a copy of the report on a tagged PDF CD for the above referenced permit. The submission of the final report, abstract form, and CD demonstrates completion of your permit requirements under Permits #5915.

Thank you for your cooperation in this state review process, and for your efforts to preserve the irreplaceable heritage of Texas. **If you have any questions concerning our review or if we can be of further assistance, please contact Lillie Thompson at 512/463-1858.**

Sincerely,



for  
Mark Wolfe  
Executive Director

MW/lft



**Appendix O**  
**Natural Resource Conservation Service**  
**Land Evaluation Request**  
**Correspondence**



Natural Resources  
Conservation Service

State Office

101 S. Main Street  
Temple, TX 76501  
Voice 254.742.9800  
Fax 254.742.9819

August 11, 2014

Morris P. Hebert, Inc.  
10101 Southwest Freeway  
Suite 620  
Houston, Texas 77074

Attention: Shannon Cass

Subject: LNU-Farmland Protection  
Proposed FM 565 Project  
Chamber County, Texas

We have reviewed the information provided in your correspondence dated July 23, 2014 concerning the road extension in Chamber County, Texas. This review is part of the National Environmental Policy Act (NEPA) evaluation for Texas Department of Transportation (TxDOT). We have evaluated the proposed site as required by the Farmland Protection Policy Act (FPPA).

The proposed project is considered to be "prior converted" and is exempt. The Farmland Conversion Impact Rating for Corridor Type Projects (Form CPA-106) indicating the exemption is enclosed. We encourage the use of accepted erosion control methods during the construction of this project.

If you have any questions, please contact me at (254) 742-9826, Fax (254) 742-9859 or by email at [micki.yoder@tx.usda.gov](mailto:micki.yoder@tx.usda.gov).

Sincerely,

Micki Yoder  
NRCS Soil Conservationist

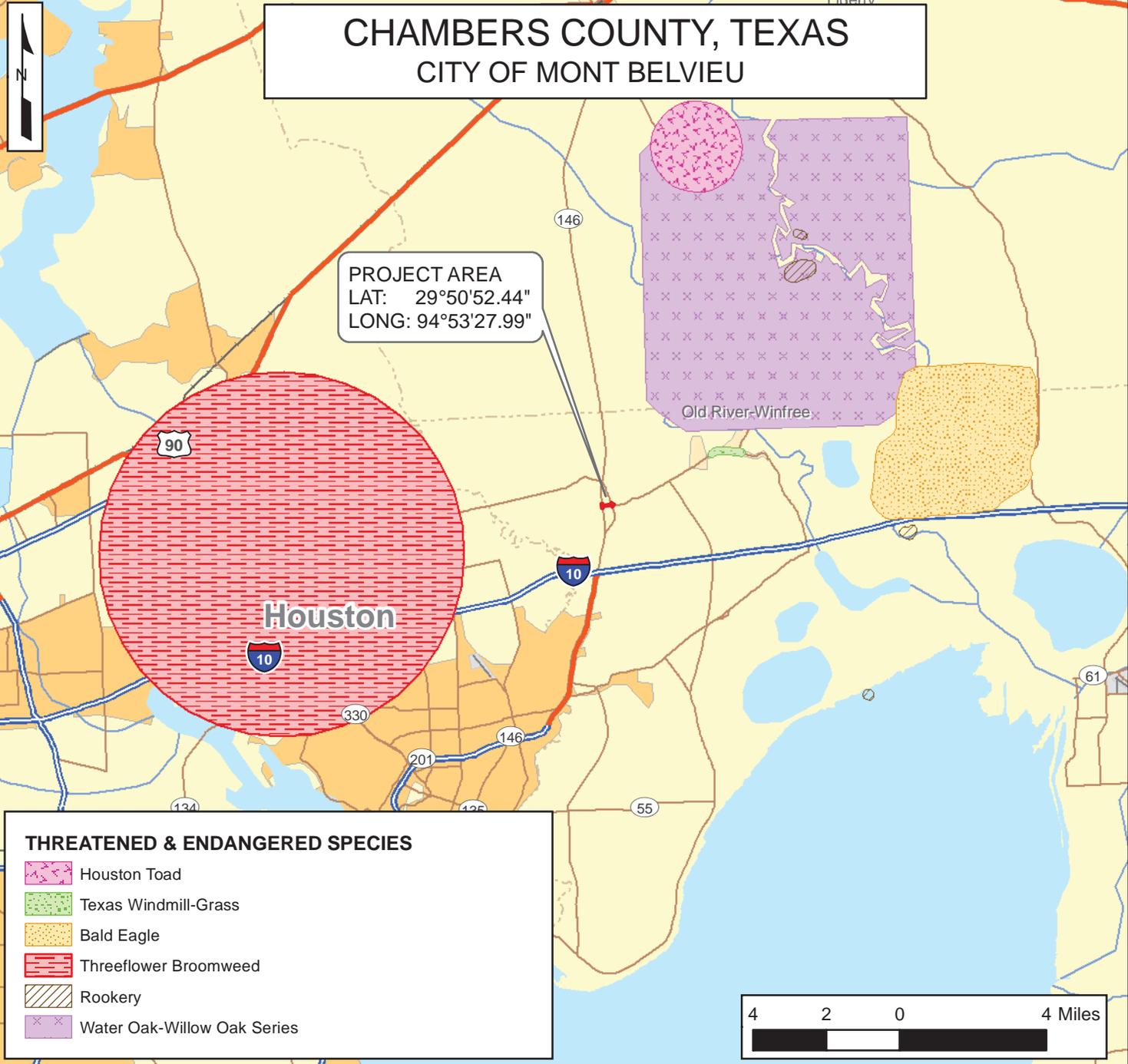
Attachment



**Appendix P**  
**Texas Parks and Wildlife Department –**  
**Texas Natural Diversity Database Map**

# CHAMBERS COUNTY, TEXAS CITY OF MONT BELVIEU

PROJECT AREA  
LAT: 29°50'52.44"  
LONG: 94°53'27.99"



### THREATENED & ENDANGERED SPECIES

-  Houston Toad
-  Texas Windmill-Grass
-  Bald Eagle
-  Threeflower Broomweed
-  Rookery
-  Water Oak-Willow Oak Series

NOTE: NO FIELD SURVEY WAS MADE FOR THIS PROJECT AND NO ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, ETC. CROSSED BY THE PROPOSED PROJECT. THEREFORE, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY LOCATED DURING THE COURSE OF THE PROJECT.

NOTE: THIS DRAWING WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE TEXAS PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.

## ENTERPRISE PRODUCTS OPERATING LLC

PROPOSED FM 565 EXTENSION  
THREATENED & ENDANGERED SPECIES MAP  
INFORMATION ACCESSED FROM TEXAS NATURAL DIVERISTY DATABASE, 07/29/2013



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283 CORPORATE DRIVE • P.O. BOX 3106 • HOUMA, LOUISIANA 70361 • (985) 879-2731  
10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77071 • (713) 219-1470

DRAWN BY: JLC	SHEET: 1
CHECKED BY: CRF	SCALE: 1 IN = 4 MILES
APROVED BY: RKF	DATE: 7/29/2013
REVISION BY:	JOB NO.: 1122001
MAP FILE: 1122001_T&E.MXD	

# **Appendix Q**

## **Texas Parks and Wildlife Department Correspondence**

**From:** [Amy Turner](#)  
**To:** [Diana Griffith](#)  
**Cc:** [Leanna Sheppard](#); [Amy Turner](#)  
**Subject:** RE: 1024-01-070 FM 565 Extension Chambers County  
**Date:** Thursday, May 01, 2014 9:34:50 AM

---

Diana,

Thank you for submitting the following project for early coordination: FM 565 Extension, Chamber County (CSJ: 1024-01-070). TPWD appreciates TxDOT's commitment to implement the recommendations discussed. Based on a review of the documentation, the avoidance and mitigation efforts described, and provided that the project plans do not change, TPWD considers coordination to be complete. However, please note it is the responsibility of the project proponent to comply with all federal, state, and local laws that protect fish and wildlife.

Amy

Amy Turner, Ph.D.  
Wildlife Habitat Assessment Program  
Texas Parks and Wildlife Department

---

**From:** WHAB\_TxDOT  
**Sent:** Thursday, April 10, 2014 4:39 PM  
**To:** Diana Griffith; WHAB\_TxDOT  
**Cc:** Amy Turner; Leanna Sheppard  
**Subject:** RE: 1024-01-070 FM 565 Extension Chambers County

Good afternoon,

The TPWD Wildlife Habitat Assessment Program has received your request for Early Coordination and has assigned it project ID #32713. The Habitat Assessment Biologist who will complete your project review is copied on this email.

*Thank you,*  
***Gloria Garza***  
*Administrative Assistant*  
*Texas Parks and Wildlife Dept*  
*Wildlife Division* - [Habitat Assessment Program](#)  
*4200 Smith School Rd*  
*Austin, TX 78744*

*Office: (512) 389-4571*  
*Fax: (512) 389-4599*

*\*\*Please note new email address\*\** [gloria.garza@tpwd.texas.gov](mailto:gloria.garza@tpwd.texas.gov)

**Texas Parks and Wildlife is Celebrating 50 Years of Making Life Better Outside.**  
**Join Us!** <http://bit.ly/TPW50>

---

**From:** Diana Griffith [mailto:Diana.Griffith@txdot.gov]  
**Sent:** Monday, April 07, 2014 9:31 AM  
**To:** WHAB\_TxDOT  
**Cc:** Amy Turner; Leanna Sheppard  
**Subject:** 1024-01-070 FM 565 Extension Chambers County

Please see attached information regarding the FM 565 extension project in Mont Belvieu, Chambers County. The Biological Assessment contains information regarding the scope of work, as well as maps and photos. If you need any further information, please contact Leanna Sheppard (cc'd above) or myself at the Beaumont District Office.

Thank you,

Diana Griffith  
Environmental Specialist  
TxDOT Beaumont District

409-898-5792

Don't mess with Texas® means don't litter.



**Appendix R**  
**U.S. Army Corps of Engineers Nationwide  
Permit Verification Letter**



DEPARTMENT OF THE ARMY  
GALVESTON DISTRICT, CORPS OF ENGINEERS  
P. O. BOX 1229  
GALVESTON, TEXAS 77553-1229

January 23, 2014

REPLY TO  
ATTENTION OF:

Evaluation Section

SUBJECT: Permit No. SWG-2010-01096; Nationwide Permit Verification

Mr. Deodat Bhagwandin  
Enterprise Products Operating, LLC  
P.O. Box 4392  
Houston, Texas 77210

Dear Mr. Bhagwandin:

This is in reference to your request, dated December 13, 2013, submitted on your behalf by Morris P. Hebert, Inc., to extend Farm-to-Market Road 565 from State Highway Loop 207 westward to State Highway 146. The proposed 1,370-linear-foot extension with associated 120-foot easement consists of discharging approximately 0.22 acre of fill material into waters of the United States, specifically four unnamed drainage ditches. The project site is located in four drainage ditches, located between State Highway 146 and State Highway Loop 207, in Mont Belvieu, Chambers County, Texas. A copy of your plans in 5 sheets is enclosed.

This request is verified by Nationwide Permit (NWP) 14 pursuant to Section 404 of the Clean Water Act (CWA). This NWP verification is valid provided the activity is compliant with the enclosed NWP General/Regional Conditions and the Texas Commission on Environmental Quality's Best Management Practice Guidelines.

Nationwide Permit 14 authorizes activities required for the construction, expansion, modification, or improvement of linear transportation projects (e.g. roads and highways) in waters of the United States, including wetlands.

The NWP verification is valid until the NWP is modified, reissued, or revoked. All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 19, 2017. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

The impacts to waters of the United States (U.S.) associated with this NWP verification are based on a preliminary jurisdictional determination (PJD) for your subject site. If you wish, you may request an approved jurisdictional determination (AJD) (which may be appealed), by submitting a written request to us within 30 days from the date of this letter. Please note that if you request an AJD and then decide to appeal it, the appeal will not be accepted if any work has started in waters of the U.S. or that would alter the hydrology of waters of the U.S.

Corps determinations are conducted to identify the limits of the Corps CWA jurisdiction for particular sites. This determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985, as amended. If you or your tenant are U.S. Department of Agriculture (USDA) program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service prior to starting work.

If you have any questions regarding this verification, please contact Ms. Andria Davis at the letterhead address or by telephone at 409-766-6389. Please notify the Chief of the Compliance Section in the Galveston District Regulatory Branch, in writing, at the letterhead address, upon completion of the authorized project.

FOR THE DISTRICT COMMANDER:

Kristi N. McMillan  
Leader, Central Evaluation Unit

Enclosures

Copies Furnished:

✓ Ms. Marie Taylor, Morris P. Hebert, Inc., 283 Corporate Drive, Houma, Louisiana 70360

Texas General Land Office, La Porte, TX

Texas General Land Office, Austin, TX

U.S. Fish and Wildlife Service, Houston, TX

Houston/Galveston Resident Office, Galveston, TX

PERMITTED PLANS

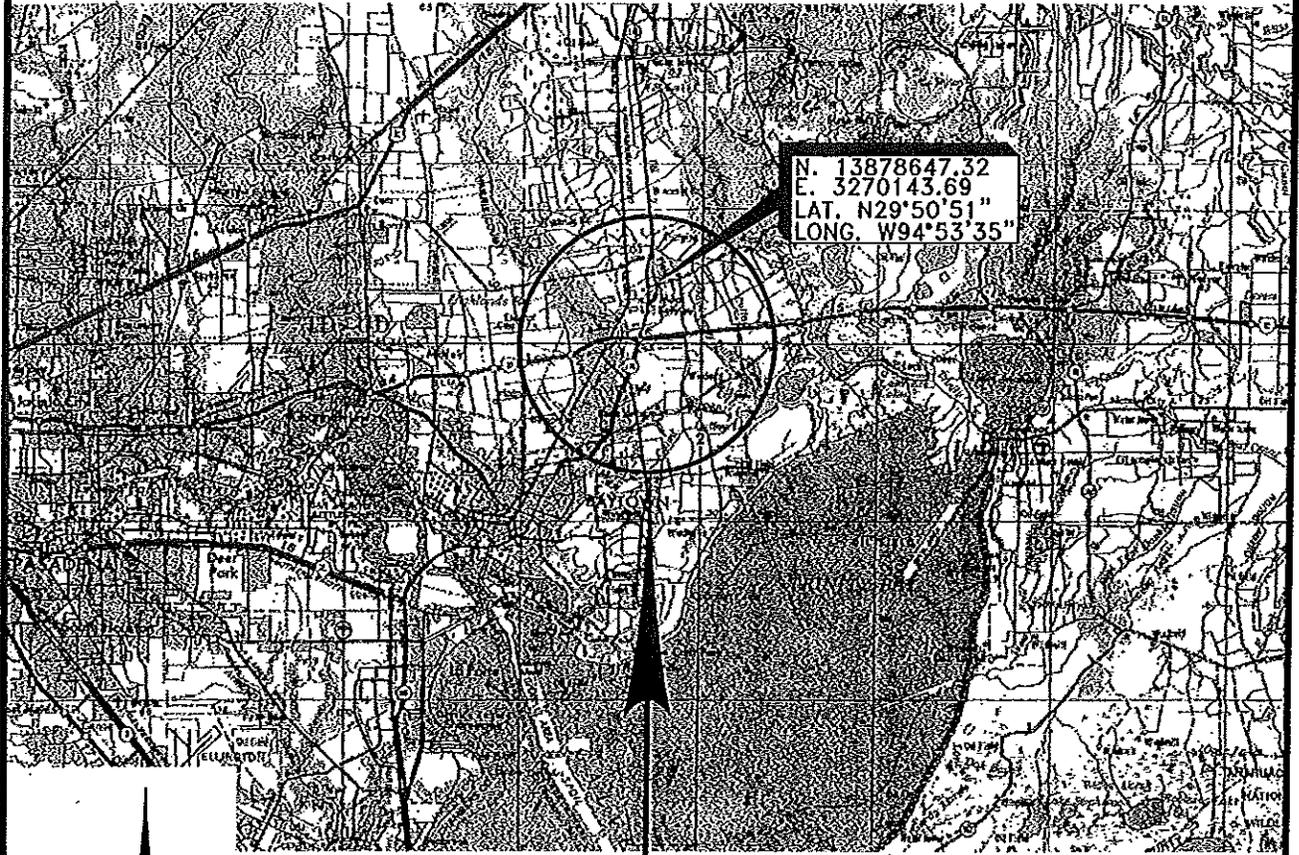
SWG-2010-01096

Enterprise Products Operating, LLC

Permit Plans 14 January 2014

Page 1 of 5

NOTE: THE PROJECT SITE IS LOCATED WITHIN THE CITY LIMITS OF MONT BELVIEU



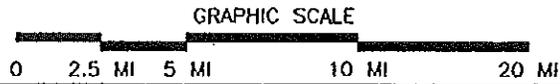
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E. 3270143.69  
LAT. N29°50'51"  
LONG. W94°53'35"

E:\Land Projects\10300 EPDC HWY 565 EXT\4000-PERMITS\CORPS\10300-4020.dwg PLOT DATE: 1/12/11 2:21:44pm



PROJECT LOCATION  
VICINITY MAP

~~DRAFT~~



NO.	DATE	REV. BY:	REVISION

ENTERPRISE PRODUCTS OPERATING LLC

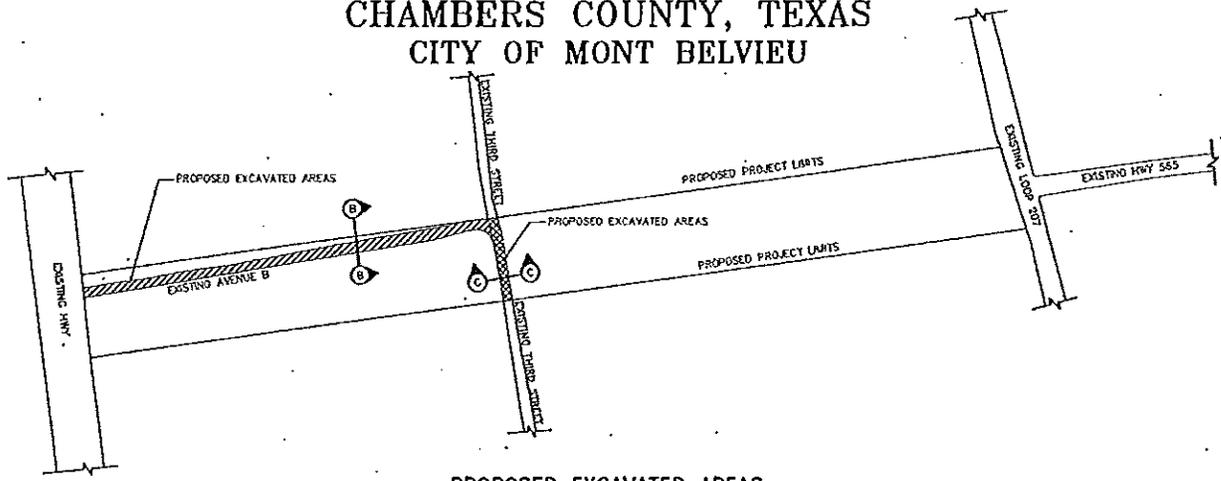
US ARMY CORPS OF ENGINEERS WETLAND IMPACT ANALYSIS  
PROPOSED HWY 565 EXTENSION  
LOCATED IN  
CITY OF MONT BELVIEU  
CHAMBERS COUNTY, TEXAS

**Morris P. Hebert, Inc.**  
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS  
P.O. BOX 3106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (985) 879-2731  
10101 SOUTHWEST FREeway • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

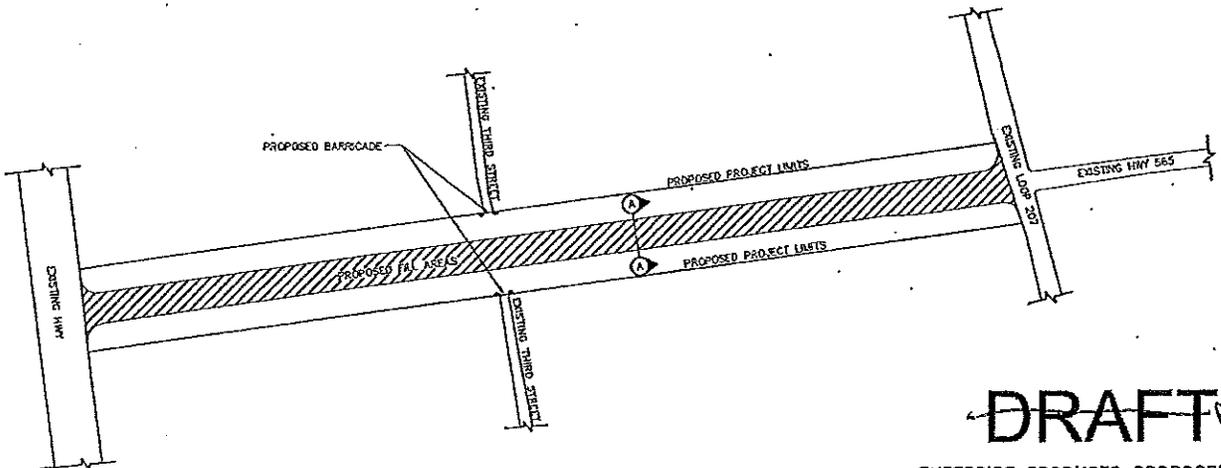
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CHKD./APPD. BY: RCJ	SCALE: 1" = 5 MILES
UPDATED BY:	DATE:
DATA BASE: 10300	JOB NO. 10300
MPH CAD FILE: 10300-4020.DWG	

PERMITTED PLANS

CHAMBERS COUNTY, TEXAS  
CITY OF MONT BELVIEU



PROPOSED EXCAVATED AREAS



PROPOSED FILL AREA

**DRAFT**

**ENTERPRISE PRODUCTS PROPOSED  
TX. HWY. F.M. 565 EXTENSION**  
• 1,370 L.F. TWO LANE ASPHALT  
ROADWAY, OPEN DITCH DRAINAGE,  
120 FT. ROADWAY EASEMENT

NOTE: THIS PLAT WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE TEXAS PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT; HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

NO.	DATE	REV. BY:	REVISION

**ENTERPRISE PRODUCTS OPERATING LLC**

IMAGE TOPOGRAPHIC MAP

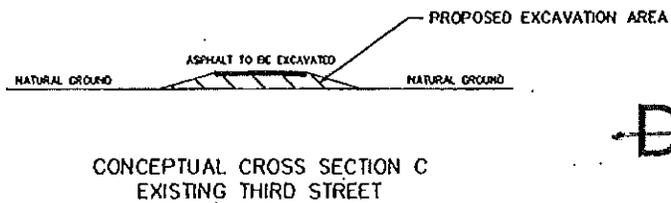
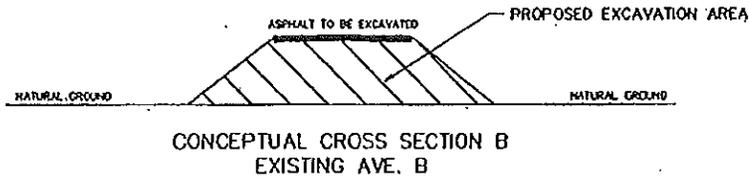
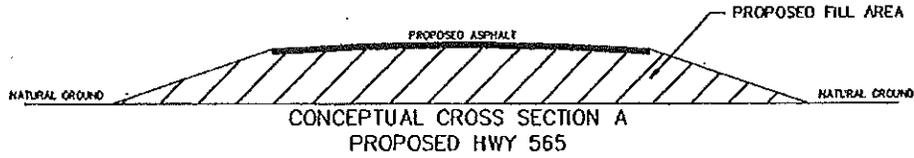


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10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

DRAWN BY: SRT	SHEET:
CHKD./APPD. BY: RCJ	SCALE: 1" = 250'
UPDATED BY:	DATE:
DATA BASE: 10300	JOB NO. 10300
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PERMITTED PLANS



~~DRAFT~~

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NO.	DATE	REV. BY:	REVISION
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ENTERPRISE PRODUCTS OPERATING LLC

EXCAVATION/FILL CHART

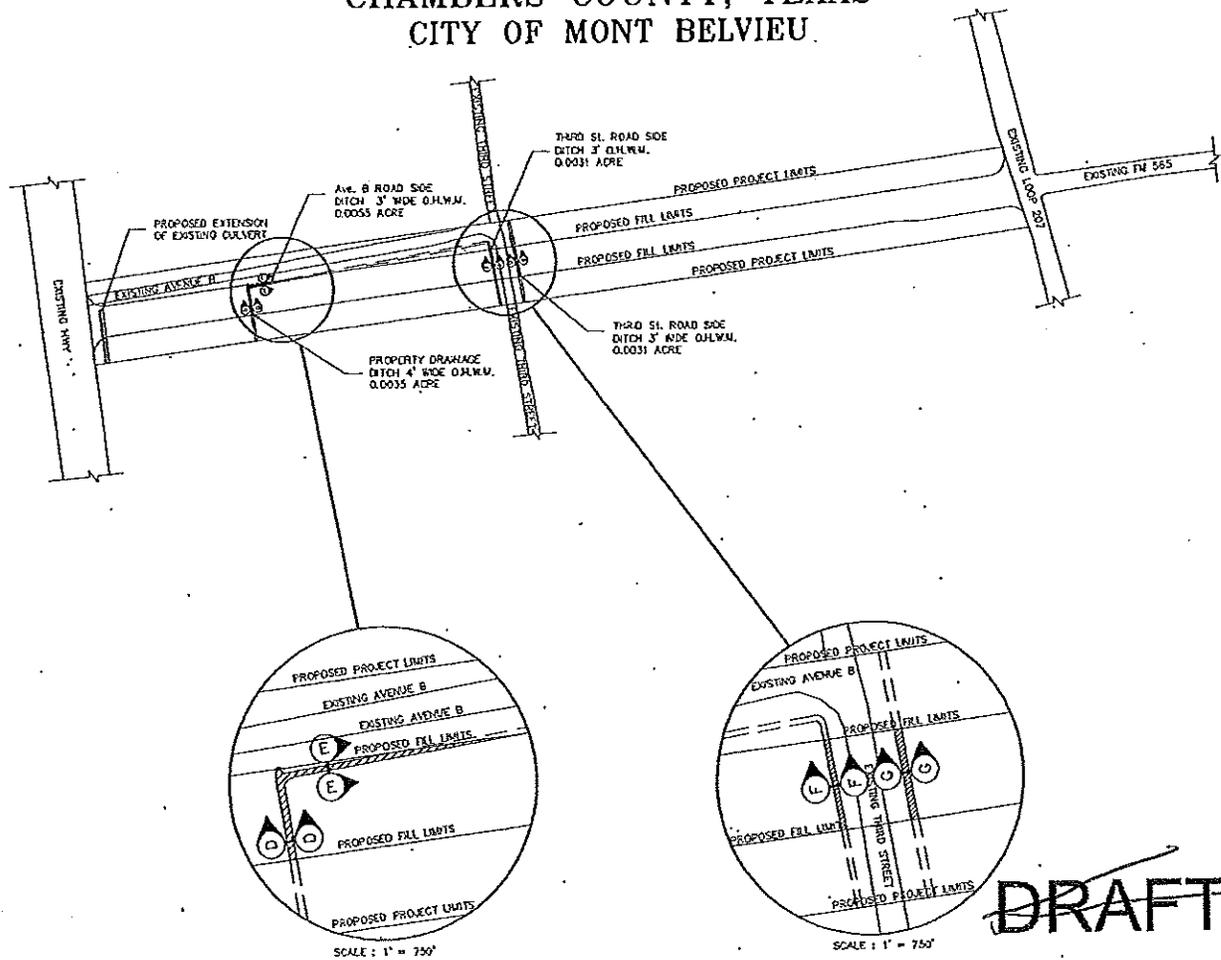
**Morris P. Hebert, Inc.**  
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 P.O. BOX 3106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (985) 879-2731  
 10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

DRAWN BY: SRT	SHEET:
CHKD./APPD. BY: RCJ	SCALE: NTS
UPDATED BY: SRT	DATE:
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PERMITTED PLANS

SWG-2010-01096  
 Enterprise Products Operating, LLC  
 Permit Plans 14 January 2014  
 Page 4 of 5

CHAMBERS COUNTY, TEXAS  
 CITY OF MONT BELVIEU



**DRAFT**

NOTE: PROPOSED TOTAL OF AREA WITHIN O.H.W.M. TO BE FILLED = 0.0152 ACRE

NOTE: THIS PLAN WAS PREPARED FOR PERMITTING PURPOSES ONLY, AND IS NOT A PROPERTY BOUNDARY SURVEY AND AS SUCH DOES NOT COMPLY WITH THE "MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE TEXAS PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD.

AN ON-THE-GROUND EFFORT HAS BEEN MADE TO LOCATE AND INDICATE ALL CABLES, PIPELINES, UTILITIES, ETC. CROSSED BY THE PROPOSED PROJECT. HOWEVER, DUE TO THE INHERENT LIMITATIONS OF ELECTRONIC MAGNETIC LOCATING EQUIPMENT, MORRIS P. HEBERT, INC. IS NOT RESPONSIBLE FOR ANY NOT LOCATED DURING THE COURSE OF THE SURVEY.

NO.	DATE	REV. BY:	REVISION
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**ENTERPRISE PRODUCTS OPERATING LLC**

PROPOSED DISCHARGE BELOW O.H.W.M.



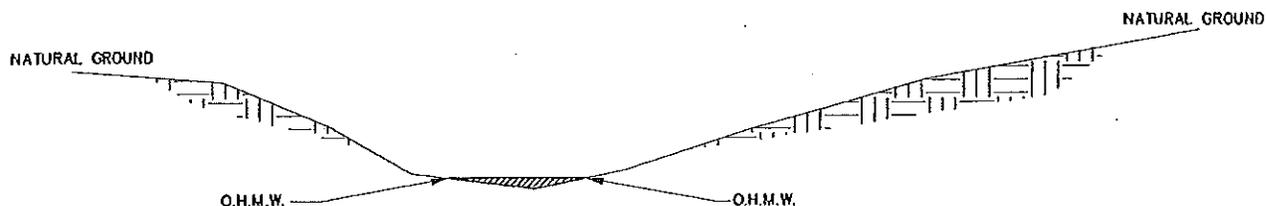
**Morris P. Hebert, Inc.**  
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 10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

DRAWN BY: SRT	SHEET:
CHKO./APPO. BY: RCJ	SCALE: 1" = 250'
UPDATED BY:	DATE:
DATA BASE: 10300	JOB NO. 10300
MPH CAD FILE: 10300-4025.DWG	

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PERMITTED PLANS

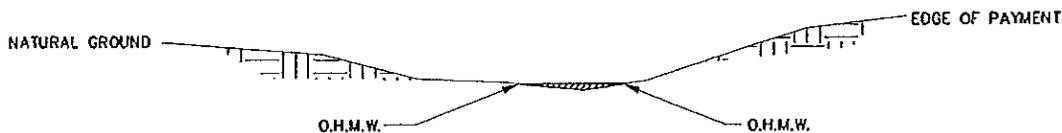
SWG-2010-01096  
 Enterprise Products Operating, LLC  
 Permit Plans 14 January 2014  
 Page 5 of 5



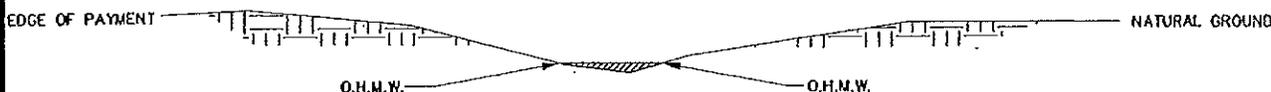
CROSS SECTION D  
 PROPERTY DRAINAGE DITCH  
 PROPOSED PLACEMENT OF 0.395 CU. YDS. OF FILL



CROSS SECTION E  
 AVE. B SOUTH SIDE ROAD DITCH  
 PROPOSED PLACEMENT OF 0.279 CU. YDS. OF FILL



CROSS SECTION F  
 WEST SIDE THIRD STREET DITCH  
 PROPOSED PLACEMENT OF 0.173 CU. YDS. OF FILL



CROSS SECTION G  
 EAST SIDE THIRD STREET DITCH  
 PROPOSED PLACEMENT OF 0.283 CU. YDS. OF FILL

**DRAFT**

NOTE : TOTAL PROPOSED FILL BELOW O.H.W.M. = 1.13 CU. YDS.

SCALE  
 HORIZONTAL : 1"=5'  
 VERTICAL : 1"=2'

NO.	DATE	REV. BY:	REVISION

**ENTERPRISE PRODUCTS OPERATING LLC**

**PROPOSED DISCHARGE BELOW O.H.W.M. CROSS SECTIONS**

**Morris P. Hebert, Inc.**  
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 10101 SOUTHWEST FREEMAN • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

DRAWN BY: SRT	SHEET:
CHKD./APPD. BY: RCJ	SCALE: AS SHOWN
UPDATED BY: SRT	DATE:
DATA BASE: 10300	JOB NO. 10300
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**Appendix S**  
**Federal Emergency Management Agency  
Floodplain Map**



PROJECT AREA



### LEGEND

#### FLOOD ZONES

-  A - INSIDE THE 100 YEAR FLOODPLAIN
-  X - MINIMAL FLOOD HAZARD



 <b>Morris P. Hebert, Inc.</b> <small>client focused solutions SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS 281 CORPORATE DRIVE • P.O. BOX 3108 • HOUMA, LOUISIANA 70361 • (985) 879-2731 10101 SOUTHWEST FREEWAY • SUITE 620 • HOUSTON, TEXAS 77037 • (713) 219-1470</small>	<b>ENTERPRISE PRODUCTS OPERATING, LLC</b> FARM TO MARKET ROAD (FM) 565 EXTENSION FROM LOOP 207 TO ROUTE 146 MONT BELVIEU, CHAMBERS COUNTY, TEXAS
---	--

DRAWN BY: DPC	SHEET: 1 OF 1
APPROVED BY: GB	SCALE: AS SHOWN
FIRM NUMBER: 10142100	DATE: 9/20/2013
GIS FILE: I1220_FLOOD.MXD	

# **Appendix T**

## **Traffic Noise Receiver Location Map**



**Exhibit A  
Receiver Location**

Noise Analysis  
Proposed FM 565 Extension  
Chambers County, Texas

October 30, 2013



# **Appendix U**

## **Map of Enterprise Ownership Parcel**



# **Appendix V**

## **Federal and State Database Search for the Phase I**



# Environmental Data Search

for the site

**FM 565, Chambers Co., TX**

performed for

**Bio-West**

11/8/2010

BIOW6617

**[www.TelALL.net](http://www.TelALL.net)**

---

(800) 583-0004 by fax (888) 756-7647

## Preface

This document of environmental concerns near FM 565, Chambers Co., TX reports findings of the TelALL data search, prepared on the request of Bio-West.

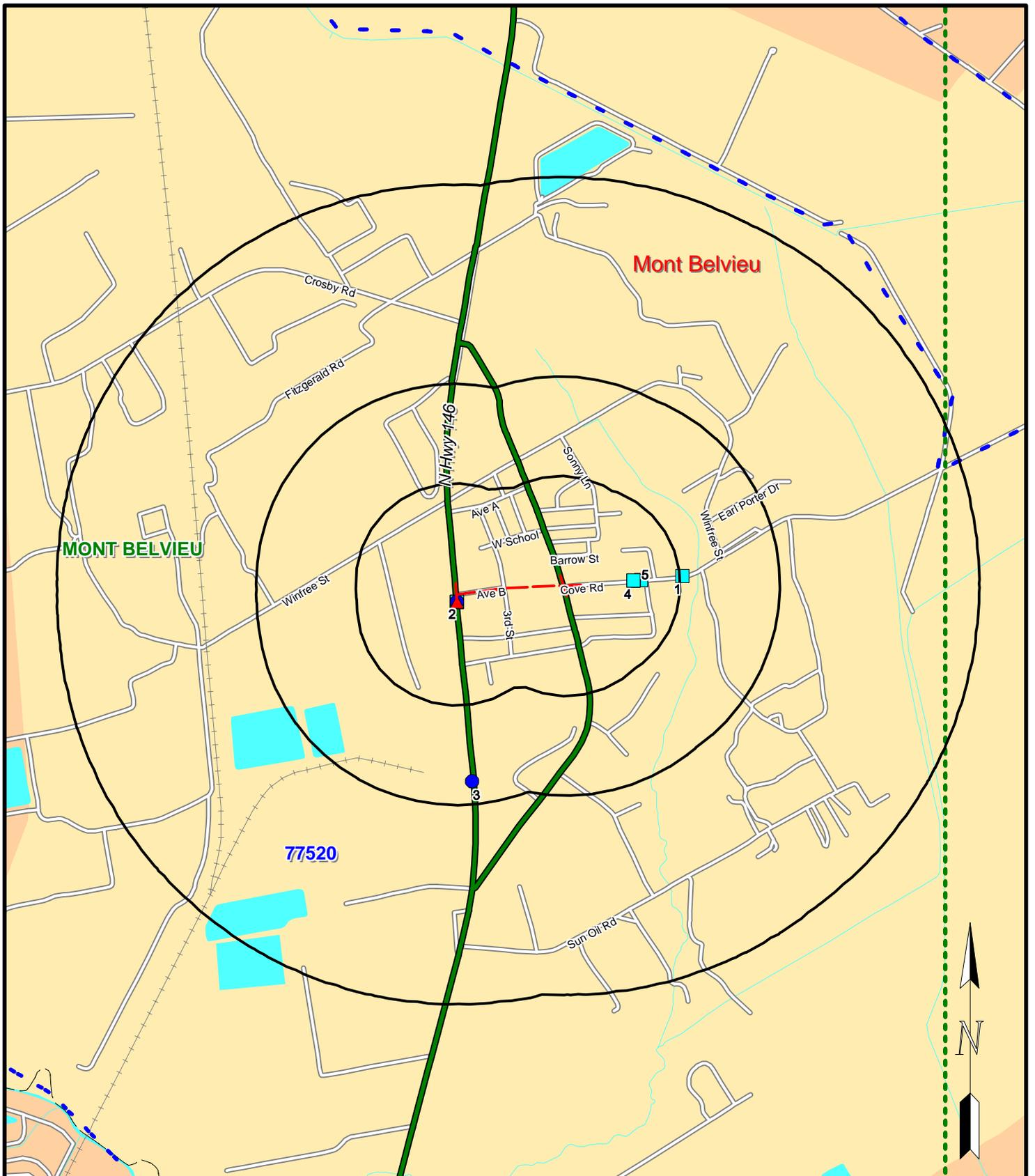
TelALL Corporation (TelALL) has designed this document to comply with the AAI and ASTM standard E 1527 - 05 (Accuracy and Completeness) and has used all available resources, but makes no claim to the entirety or accuracy of the cited government, state, or tribal records. Our databases are updated at least every 90 days or as soon as possible after publication by the referenced agencies. The following fields of governmental, state, and tribal databases may not represent all known, unknown, or potential sources of contamination to the referenced site. Many different variables effect the outcome of the following document. TelALL maintains extremely high standards, and stringent procedures that are used to search the referenced data. However, TelALL reserves the right at any time to amend any information related to this report. If there is a need for further information regarding this report, or for any customer support please call TelALL at 800 583-0004 for assistance.

This report is divided into the following components:

- MAP** Identified geocodeable findings relative to this data search.
- SUMMARY 1** Sorting of the identified sites by distance from the subject site.
- FINAL** A description of each database and a detailed explanation of findings.

### Sources

Database	Acronym	Last Updated	Minimum Search Distance	Findings
National Priority List	NPL	09/2010	1	0
Comprehensive Environmental Response, Compensation, and Liability Information System	CERCLIS	09/2010	0.5	0
No Further Remedial Action Planned	NFRAP	09/2010	0.5	1
Resource Conservation and Recovery Information System - Treatment Storage or Disposal	RCRA TSD	10/2010	1	0
Corrective Action	CORRACT	10/2010	1	0
Resource Conservation and Recovery Information System - Generators	RCRA-G	10/2010	0.25	0
Emergency Response Notification System	ERNS	08/2010	0.25	7
Texas Voluntary Cleanup Program	TXVCP	10/2010	0.5	0
Innocent Owner/Operator Program	TXIOP	10/2010	0.5	0
Texas State Superfund	TXSSF	08/2010	1	0
TCEQ Solid Waste Facilities	TXLF	09/2010	1	0
Unauthorized and Unpermitted Landfill Sites	LFUN	09/2010	0.5	0
Leaking Underground Storage Tanks	TXLUST	08/2010	0.5	1
Texas Underground Storage Tanks	TXUST	08/2010	0.25	10
Texas Above Ground Storage Tanks	TXAST	08/2010	0.25	1
Texas Spills List	TXSPILL	09/2010	0.25	7
Brownfield	BRNFD	10/2010	0.5	0
Dry Cleaner	DRYC	08/2010	0.5	0
Indian Reservation Underground Storage Tanks	IRUST	08/2010	0.25	0



- NPL ▲
- RCRA TSD
- CORRACT
- CERCLIS
- NFRAP
- TXSSF
- TXLF
- LFUN

- ERNS ●
- LUST
- TXVCP
- TXIOP
- BRNFD
- DRYC

- RCRA-G ■
- TXAST
- TXUST
- TXSPILL
- IRUST

Site Boundary

1:24K Topo Boundary USPS Zip Boundary

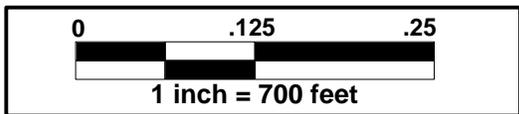
Site Locations are Approximate Only

**TeIALL**<sup>TM</sup>  
Corporation

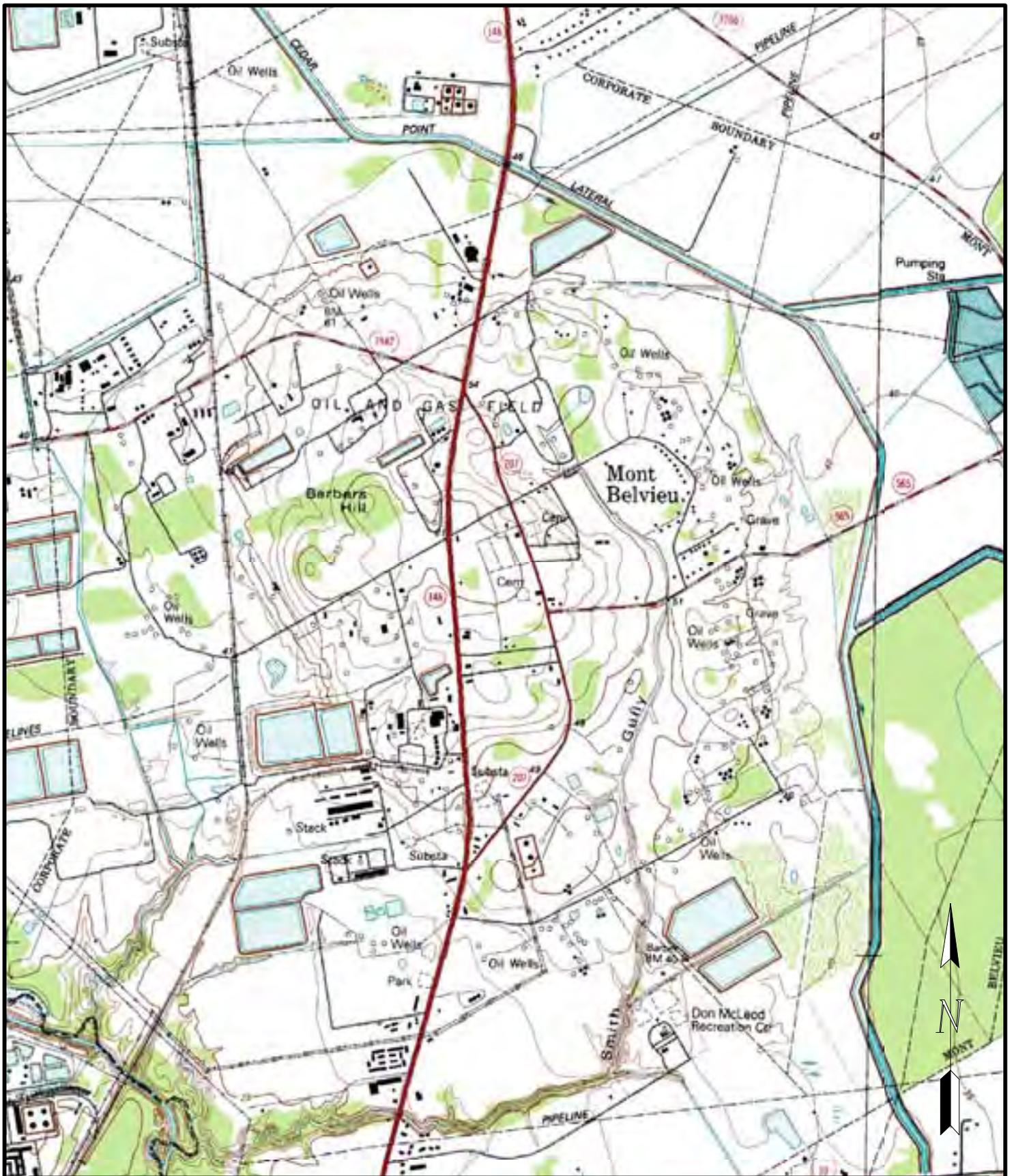
(800) 583-0004 WWW.TEIALL.NET



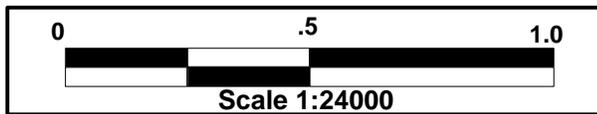
**2004 NAIP Photograph**  
(Infrared Image)



(800) 583-0004 [WWW.TeIALL.NET](http://WWW.TeIALL.NET)



To identify the map date and or revision date  
please call TRNIS at 512-463-8337.



(800) 583-0004 WWW.TEIALL.NET

### Current USGS 7.5 Minute Topographic Map

### Sites Sorted By Distance from Center

FM 565, Chambers Co., TX

Distance/Direction	Database	Site Number	Address	City/State	Site Name
	DRYC				NO FINDINGS WITHIN 1/2 MILE.
	CERCLIS				NO FINDINGS WITHIN 1/2 MILE.
	CORRACT				NO FINDINGS WITHIN ONE MILE.
	BRNFD				NO FINDINGS WITHIN 1/2 MILE.
	TXIOP				NO FINDINGS WITHIN 1/2 MILE.
	LFUN				NO FINDINGS WITHIN 1/2 MILE.
	TXSSF				NO FINDINGS WITHIN ONE MILE.
	TXLF				NO FINDINGS WITHIN ONE MILE.
	RCRA-G				NO FINDINGS WITHIN 1/4 MILE.
	RCRA TSD				NO FINDINGS WITHIN ONE MILE.
	TXVCP				NO FINDINGS WITHIN 1/2 MILE.
	NPL				NO FINDINGS WITHIN ONE MILE.
	IRUST				NO FINDINGS WITHIN 1/4 MILE.
<b>.01</b>					
S	TXSPILL	2	10319 HWY 146 NORTH, MONT BELVIEU,	MONT BELVIEU	WARREN PETROLEUM
S	ERNS	2	10319 HWY 146	MONT BELVIEU	WARREN PETROLEUM CO.
S	TXSPILL	2	10319 HIGHWAY 146	MONT BELVIEU	TARGA MIDSTREAM SERVICES LIMIT
S	NFRAP	2	1 MI N JCT HWY 146 & I-10	MONT BELVIEU	WARREN PETROLEUM CO PLANT 158
S	ERNS	2	10319 HWY 146	MONT BELVIEU	WARREN PETROLEUM CO.
S	ERNS	2	10319 HIGHWAY 146 NORTH	MONT BELVIEU	DYNEGY MIDSTREAM SERVICES
S	ERNS	2	10319 HWY 146	MONT BELVIEU	WARREN PETROLEUM CO
S	ERNS	2	10319 HIGHWAY 146 NORTH	MONT BELVIEU	DYNEGY MIDSTREAM SERVICES
S	TXSPILL	2	10319 HIGHWAY 146	MONT BELVIEU	TARGA MIDSTREAM SERVICES LIMIT
S	TXSPILL	2	10319 HIGHWAY 146	MONT BELVIEU	TARGA MIDSTREAM SERVICES LIMIT
S	TXSPILL	2	10319 HIGHWAY 146	MONT BELVIEU	TARGA MIDSTREAM SERVICES LIMIT
S	TXSPILL	2	10319 HIGHWAY 146	MONT BELVIEU	TARGA MIDSTREAM SERVICES LIMIT
S	TXSPILL	2	10319 HIGHWAY 146	MONT BELVIEU	TARGA DOWNSTREAM LP
S	ERNS	2	10319 HIGHWAY 146	MOUNT BELLEVUE	TARGA MIDSTREAM SERVICE
S	ERNS	2	10319 HIGHWAY 146 NORTH	MONT BELVIEU	DYNEGY MIDSTREAM SERVICES
<b>.14</b>					
E	TXUST	4	1201 COVE RD	MONT BELVIEU	API 23
E	TXUST	4	1201 COVE RD	MONT BELVIEU	API 23
E	TXUST	4	1201 COVE RD	MONT BELVIEU	API 23
E	TXUST	4	1201 COVE RD	MONT BELVIEU	API 23
<b>.15</b>					
E	TXUST	5	1429 COVE RD	MONT BELVIEU	CITY OF MONT BELVIEU
E	TXUST	5	1429 COVE RD	MONT BELVIEU	CITY OF MONT BELVIEU
<b>.42</b>					
E	TXSPILL	1	--- 10404 I-10 HWY 146, BAYTOWN, TX, 77		EXXON MOBIL CORPORATION
<b>.46</b>					
S	TXLUST	3	10120 HWY 146	MOUNT BELVIEU	ROSHAN L JAIN
<b>Site Location Unknown</b>					
	TXAST	unknown	1838 N FM 565 RD	MT BELVIEU	MOUNT BELVIEU CENTRAL OFFICE
	TXUST	unknown	1838 N FM 565 RD	MT BELVIEU	MOUNT BELVIEU CENTRAL OFFICE
	TXUST	unknown	1838 N FM 565 RD	MT BELVIEU	MOUNT BELVIEU CENTRAL OFFICE
	TXUST	unknown	LOOP 207	MONT BELVIEU	BARBERS HILL ISD
	TXUST	unknown	LOOP 207	MONT BELVIEU	BARBERS HILL ISD

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**NPL**National Priority List

NPL is a priority subset of the CERCLIS list. (See CERCLIS, below) The Cerclis list was created by the Comprehensive Environmental Response, Compensation and Liability Acts (CERCLA) need to track contaminated sites. CERCLA was enacted on 12/11/80, and amended by the Superfund Amendments and Reauthorization Act of 1986. These acts established broad authority for the government to respond to problems posed by the release, or threat of release of hazardous substances, pollutants, or contaminants. CERCLA also imposed liability on those responsible for releases and provided the authority for the government to undertake enforcement and abatement action against responsible parties. Institutional/Engineering Controls searched. Delisted NPL sites are included.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** NPL

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**CERCLIS**Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is the official repository for site and non-site specific Superfund data in support of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). It contains information on hazardous waste site assessment and remediation from 1983 to the present. CERCLIS information is used to report official Superfund accomplishments to Congress and the public, assist EPA Regional and Headquarters managers in evaluating the status and progress of site cleanup actions, track Superfund Comprehensive Accomplishments Plan (SCAP), and communicate planned activities and budgets. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** CERCLIS

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

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**NFRAP****No Further Remedial Action Planned**

NFRAP Sites indicate a CERCLIS site that was designated "No further remedial action planned" by the EPA February 1995. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**2****Database:** NFRAP**Site:** WARREN PETROLEUM CO PLANT 158**Distance:** 0.012 S**Address** 1 MI N JCT HWY 146 & I-10**Zip Code** 77580**City:** MONT BELVIEU

EPA ID NUMBER: TXD980625974, Status: Not on the NPL. Institutional/Engineering Controls: Unknown/Unknown

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**RCRA TSD****Resource Conservation and Recovery Information System - Treatment Storage or Disposal**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA TSD (Treatment Storage or Disposal) is a subset of the RCRIS list. RCRA TSD tracks facilities that fall under the Treatment Storage or Disposal classification.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** RCRA TSD**Site:** No findings within one mile.**Distance:** 0**Address****Zip Code****City:**

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## **CORRACT**

### Corrective Action

CORRACT lists RCRIS (Resource Conservation and Recovery Information System) sites that are currently under corrective action. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** CORRACT

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **RCRA-G**

### Resource Conservation and Recovery Information System - Generators

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste, are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA-G (Generators) list is a subset of the RCRIS list. RCRA-G tracks facilities that fall under the generators or transporters classification.

*CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS (CESQG) produce less than 100 kg per month of hazardous waste. SMALL QUANTITY GENERATORS (SQG) produce at least 100 kg per month but less than 1000 kg per month of hazardous waste. LARGE QUANTITY GENERATORS (LQG) produce at least 1000 kg per month of hazardous waste. Source: United States Environmental Protection Agency (EPA)*

**Database:** RCRA-G

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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**ERNS**

Emergency Response Notification System

ERNS supports the release notification requirements of section 103 of the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA), as amended; section 311 of the Clean Water Act; and sections 300.51 and 300.65 of the National Oil and Hazardous Substances Contingency Plan. Additionally, ERNS serves as a mechanism to document and verify incident-location information as initially reported, and is utilized as a direct source of easily accessible data, needed for analyzing oil and hazardous substances spills.

*Source: National Response Center (NRC)*

**2**

**Database:** ERNS

**Site:** TARGA MIDSTREAM SERVICE

**Distance:** 0.012 S

**Address** 10319 HIGHWAY 146

**Zip Code**

**City:** MOUNT BELLEVUE

NRC ID: 795673 Date of occurrence: 4/30/2006 11:00:00 PM Type of incident:  
RAILROAD Type of medium affected: LAND Type of material spilled: OIL: DIESEL.

---

ID Number: 563529 Date of release: 20-APR-01. 20 GALLON(S) of OIL, FUEL: NO. 2-D THE MATERIAL WAS RELEASED FROM A CLASSIFIER SUMP DUE TO OVERFLOWING FROM THE RAIN.

---

ERNS ID NUMBER 509485 ,ON 9/27/1996 10 GAL OF OIL, FUEL: NO. 2-D, WAS REPORTED AS RELEASED. OIL HEATING SYSTEM PUMP>SEAL FAILURE>PUMP CONTAINMENT AREA\*\* OIL HEATING SYSTEM PUMP/PUMP SEAL FAILURE/PUMP CONTAINMENT AREA OVERFLOWED DUE TO HEAVY RAIN RELEASE STOPPED/MATERIAL CONTAINED RECOVERED IN A DRAINAGE DITCH/9 GAL RECOVERED \*\*PUMP CONTAINMENT AREA OVERFLOWED DUE TO HEAVY RAIN\*\*\*

---

ERNS ID NUMBER 230255 ,ON 7/19/1991 10 LBS OF BUTADIENE, WAS REPORTED AS RELEASED. TRANSFER PUMP / PRIMARY SEAL LEAK MATERIAL VAPORIZED.

---

ERNS ID NUMBER 180180 ,ON 9/14/1990 176 GAL OF NATURAL GAS, WAS REPORTED AS RELEASED. 3/4" THERMAL RELIEF VALVE/ SHORT CUASED EMERGENCY SHUT DOWN TO FAIL NONE WILL CALL TX RAIL COMMISSION

---

ID Number: 563529 Date of release: 20-APR-01. 20 GALLON(S) of OIL, FUEL: NO. 2-D THE MATERIAL WAS RELEASED FROM A CLASSIFIER SUMP DUE TO OVERFLOWING FROM THE RAIN.

---

ID Number: 563529 Date of release: 20-APR-01. 20 GALLON(S) of OIL, FUEL: NO. 2-D THE MATERIAL WAS RELEASED FROM A CLASSIFIER SUMP DUE TO OVERFLOWING FROM THE RAIN.

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## **TXVCP**

### Texas Voluntary Cleanup Program

Created under HB 2296, The Voluntary Cleanup Program (VCP) was established on 09/01/95 to provide administrative, technical, and legal reasons to promote the cleanup of tainted sites in Texas. Since future lenders and landowners get protection from liability to the State of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate deals at those sites are removed. As a result, many unused or under used sites may be restored to economically productive or community beneficial uses. After cleanup, the parties get a certificate of completion from the TCEQ which states that all lenders and future land owners who are not PRP's are free from all liability to the State. Institutional/Engineering Controls searched.

*Parts of the above description were taken from the TCEQ/VCP Website (<http://www.TCEQ.state.tx.us/permitting/remed/vcp/>). The investigation phases are listed as INVESTIGATION, REMEDIATION, POST-CLOSURE, and COMPLETE. Contaminant Categories (PERC and BTEX). Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXVCP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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**TXIOP****Innocent Owner/Operator Program**

The TX IOP, created by House Bill 2776 of the 75th Leg, provides a cert. 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 loc. on the prop., and they did not cause or contribute to the source or sources of contamination. Like the TxVCP Prog., the IOP can be used as a redevelopment tool or as a tool to add value to a contaminated prop. by providing an Innocent Owner/Operator Certificate (IOC). However, unlike the VCP release of liability, IOCs are not trans. to future owners/oper's. Future owners/oper's are eligible to enter the IOP and may rec. an IOC only after they become an owner or operator of the site.

*The above description were taken from the TCEQ/IOP Website  
(<http://www.TCEQ.state.tx.us/permitting/remed/vcp/iop.html>).  
Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXIOP**Site:** No findings within 1/2 mile.**Distance:** 0**Address****Zip Code****City:**

---

**TXSSF****Texas State Superfund**

The Texas State Superfund database is a list of sites that the State of Texas has identified for investigation or remediation. Texas State Superfund sites are reviewed for potential upgrading to Comprehensive Environmental Response, Compensation, and Liability Information System status by the federal Environmental Protection Agency. Institutional/Engineering Controls searched.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXSSF**Site:** No findings within one mile.**Distance:** 0**Address****Zip Code****City:**

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**TXLF**

TCEQ Solid Waste Facilities

Texas Commission on Environmental Quality (TCEQ) Requires municipalities and counties to report known active and inactive landfills. Texas Landfills is a listing of solid waste facilities registered and tracked by the TCEQ Solid waste division. The facilities tracked include solid waste disposal sites as well as transfer stations and processing stations.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXLF

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**LFUN**

Unauthorized and Unpermitted Landfill Sites

Unauthorized sites have no permit and are considered abandoned. All information about these sites was compiled by Southwest Texas State University under contract with TCEQ and is based on a search of publicly available records.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** LFUN

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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## **TXLUST**

### Leaking Underground Storage Tanks

State lists of leaking underground storage tank sites. Section 9003(h) of Subtitle I of RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**3**

**Database:** TXLUST  
**Site:** ROSHAN L JAIN  
**Distance:** 0.455 S  
**Address** 10120 HWY 146  
**Zip Code** 77580  
**City:** MOUNT BELVIEU

Leaking petroleum storage tank identification number (LPSTID) 112887. The subject tank release was reported on 1/8/1998 PRIORITY: 4.0 - NO RECEPTIVE IMPACT TO GROUNDWATER OR SOIL.. STATUS: 1 - PREASSESSMENT/RELEASE DETERMINATION. Facility ID # 0034152 PRP info: ROSHAN JAIN, 18339 CAPE BAHAMAS, HOUSTON TX 77058 Contact: ZAHID KAHN Tel: 713/788-7973  
Location description: 10120 HWY 146

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**TXUST**

Texas Underground Storage Tanks

Underground Storage Tanks - Permitted underground storage tanks tracked and maintained by the Texas Commission on Environmental Quality (TCEQ).

*Source: Texas Commission on Environmental Quality (TCEQ)*

**4** **Database:** TXUST  
**Site:** API 23  
**Distance:** 0.142 E  
**Address** 1201 COVE RD  
**Zip Code** 77580  
**City:** MONT BELVIEU

Facility ID number 0039726, TCEQ unit ID number 00105063, tank ID number 4, date installed (MMDDYYYY) 01011978, total capacity in gallons: 0010000 Tank is currently out of use. Tank compartments: Compartment A: Diesel. Capacity 0010000 gal The tank construction is of fiberglass-reinforced plastic (FRP) - double wall. The owner of the facility is AMERICAN PIONEER INVESTMENTS INC, the telephone number listed for the owner is 713-933-0366.

---

Facility ID number 0039726, TCEQ unit ID number 00105062, tank ID number 1, date installed (MMDDYYYY) 01011978, total capacity in gallons: 0010000 Tank is currently out of use. Tank compartments: Compartment A: Gasoline. Capacity 0010000 gal The tank construction is of fiberglass-reinforced plastic (FRP) - double wall. The owner of the facility is AMERICAN PIONEER INVESTMENTS INC, the telephone number listed for the owner is 713-933-0366.

---

Facility ID number 0039726, TCEQ unit ID number 00105061, tank ID number 2, date installed (MMDDYYYY) 01011978, total capacity in gallons: 0010000 Tank is currently out of use. Tank compartments: Compartment A: Gasoline. Capacity 0010000 gal The tank construction is of fiberglass-reinforced plastic (FRP) - double wall. The owner of the facility is AMERICAN PIONEER INVESTMENTS INC, the telephone number listed for the owner is 713-933-0366.

---

Facility ID number 0039726, TCEQ unit ID number 00105064, tank ID number 3, date installed (MMDDYYYY) 01011978, total capacity in gallons: 0010000 Tank is currently out of use. Tank compartments: Compartment A: Gasoline. Capacity 0010000 gal The tank construction is of fiberglass-reinforced plastic (FRP) - double wall. The owner of the facility is AMERICAN PIONEER INVESTMENTS INC, the telephone number listed for the owner is 713-933-0366.

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**5** **Database:** TXUST  
**Site:** CITY OF MONT BELVIEU  
**Distance:** 0.149 E  
**Address** 1429 COVE RD  
**Zip Code** 77580  
**City:** MONT BELVIEW

Facility ID number 0048722, TCEQ unit ID number 00126684, tank ID number 1, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0000000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0000000 gal The tank construction is of nonmetallic flexible piping. The owner of the facility is BARBERS HILL ISD, the telephone number listed for the owner is 281-576-2221 EXT 5252.

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Facility ID number 0048722, TCEQ unit ID number 00126683, tank ID number 2, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0000000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0000000 gal The tank construction is of steel. The owner of the facility is BARBERS HILL ISD, the telephone number listed for the owner is 281-576-2221 EXT 5252.

---

**6** **Database:** TXUST **\*Not mapped\***  
**Site:** MOUNT BELVIEU CENTRAL OFFICE  
**Distance:** Site Location Unknown  
**Address** 1838 N FM 565 RD  
**Zip Code** 77580  
**City:** MT BELVIEU

Facility ID number 0004921, TCEQ unit ID number 00011922, tank ID number 1, date installed (MMDDYYYY) 07011992, total capacity in gallons: 0002500 Tank is currently removed from ground. Tank compartments: Compartment A: Diesel. Capacity 0002500 gal The tank construction is of fiberglass-reinforced plastic (FRP) - double wall. The owner of the facility is GTE SOUTHWEST INCORPORATED, the telephone number listed for the owner is 909-620-5962.

---

Facility ID number 0004921, TCEQ unit ID number 00011921, tank ID number 1, date installed (MMDDYYYY) 01011982, total capacity in gallons: 0001000 Tank is currently removed from ground. Tank compartments: Compartment A: Diesel. Capacity 0001000 gal The tank construction is of fiberglass-reinforced plastic (FRP). The owner of the facility is GTE SOUTHWEST INCORPORATED, the telephone number listed for the owner is 909-620-5962.

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FM 565, Chambers Co., TX

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**7** **Database:** TXUST **\*Not mapped\***  
**Site:** BARBERS HILL ISD  
**Distance:** Site Location Unknown  
**Address** LOOP 207  
**Zip Code** 77580  
**City:** MONT BELVIEU

Facility ID number 0053794, TCEQ unit ID number 00132267, tank ID number 2, date installed (MMDDYYYY) 01011980, total capacity in gallons: 0004000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0004000 gal The tank construction is of steel. The owner of the facility is BARBERS HILL ISD, the telephone number listed for the owner is 281-576-2221 EXT 5252.

---

Facility ID number 0053794, TCEQ unit ID number 00132268, tank ID number 1, date installed (MMDDYYYY) 01011980, total capacity in gallons: 0002000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0002000 gal The tank construction is of steel. The owner of the facility is BARBERS HILL ISD, the telephone number listed for the owner is 281-576-2221 EXT 5252.

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## TXAST

### Texas Above Ground Storage Tanks

Aboveground Storage Tanks - Permitted aboveground storage tanks tracked and maintained by the Texas Commission on Environmental Quality (TCEQ).

*Source: Texas Commission on Environmental Quality (TCEQ)*

**6** **Database:** TXAST **\*Not mapped\***  
**Site:** MOUNT BELVIEU CENTRAL OFFICE  
**Distance:** Site Location Unknown  
**Address** 1838 N FM 565 RD  
**Zip Code** 77580  
**City:** MT BELVIEU

Facility ID number 0004921, TCEQ unit ID number 00212795, tank ID number 1, tank installed (MMDDYY) 09242009, tank capacity in gallons: 0002000 Tank is currently in use - substance stored: Diesel Tank material of construction is Steel. The tanks containment consists of: Concrete The owner of the facility is GTE SOUTHWEST INCORPORATED, the telephone number listed for the owner is 909-620-5962

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## TXSPILL

### Texas Spills List

Texas Commission on Environmental Quality (TCEQ) tracks cases where emergency response is needed for cleanup of toxic substances.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**2** **Database:** TXSPILL  
**Site:** TARGA DOWNSTREAM LP  
**Distance:** 0.012 S  
**Address** 10319 HIGHWAY 146  
**Zip Code** 77580  
**City:** MONT BELVIEU

Date of Spill: 04/02/2010 - Notification Date: 4/1/2010. Material Spilled: Butane, N- - Amount Spilled: 42.00 POUNDS. Spill Class: 006 - Other Substance - Cleanup Status: Closed. Media Affected: AIR - Area Affected: CHAMBERS.

---

Date of Spill: 06/22/2009 - Notification Date: 6/18/2009. Material Spilled: Unknown - Amount Spilled: Unknown. Spill Class: unknown - Cleanup Status: Closed. Media Affected: AIR - Area Affected: CHAMBERS.

---

Date of Spill: 07/13/2009 - Notification Date: 7/13/2009. Material Spilled: Unknown - Amount Spilled: Unknown. Spill Class: unknown - Cleanup Status: Closed. Media Affected: AIR - Area Affected: CHAMBERS.

---

Date of Spill: 11/30/2009 - Notification Date: 12/1/2009. Material Spilled: Propane, N- - Amount Spilled: 1,470.00 POUNDS. Spill Class: 006 - Other Substance - Cleanup Status: Closed. Media Affected: AIR - Area Affected: CHAMBERS.

---

Date of Spill: 12/15/2009 - Notification Date: 12/16/2009. Material Spilled: Propane - Amount Spilled: 46.83 POUNDS. Spill Class: 006 - Other Substance - Cleanup Status: Closed. Media Affected: AIR - Area Affected: CHAMBERS.

---

Date of Spill: 8/5/94 - Notification Date: 8/5/94. Material Spilled: BRINE WATER. Amount of material spilled: 45 BBL. class of spill: Other Pollutant. The cleanup status is: letter requested from PRP . Media affected: W (A = Air, L = Land, N/A = none, W = Water). The basin where the spill occurred: TRINITY-SAN JACINTO COASTAL.

---

Date of Spill: 04/30/2006 - Notification Date: 5/1/2006. Material Spilled: Diesel fuel - Amount Spilled: 350.00 GALLONS. Spill Class: 003 - Oil Minor <24B/1,000G - Cleanup Status: Closed. Media Affected: WASTE - Area Affected: CHAMBERS.

---

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**1**

**Database:** TXSPILL  
**Site:** EXXON MOBIL CORPORATION  
**Distance:** 0.416 E  
**Address** --- 10404 I-10 HWY 146, BAYTOWN, TX, 77520 ---  
**Zip Code** 77520  
**City:**

Date of Spill: 08/08/2004 - Notification Date: 8/8/2004. Material Spilled: GASOLINE, AUTOMOTIVE OR AVIATION - Amount Spilled: 40.00 GALLONS. Spill Class: 003 - Oil Minor <24B/1,000G - Cleanup Status: Closed. Media Affected: WATER - Area Affected: CHAMBERS.

**BRNFD**Brownfield

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. Institutional/Engineering Controls searched.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** BRNFD  
**Site:** No findings within 1/2 mile.  
**Distance:** 0  
**Address**  
**Zip Code**  
**City:**

**DRYC**Dry Cleaner

House Bill 1366 requires all dry cleaning drop stations and facilities in Texas to register with Texas Commission on Environmental Quality (TCEQ) and implement new performance standards at their facilities as appropriate. It also requires distributors of dry cleaning solvents to collect fees on the sale of dry cleaning solvents at certain facilities.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** DRYC  
**Site:** No findings within 1/2 mile.  
**Distance:** 0  
**Address**  
**Zip Code**  
**City:**

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**IRUST**

Indian Reservation Underground Storage Tanks

All Appropriate Inquiries (AAI) rule has requested that Underground Storage Tanks on Indian Land be included in any ESA that is affected. Permitted Underground Storage Tanks on Indian Land are tracked and maintained by the EPA.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** IRUST

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

# TelALL Zip Index

The following zip codes, are the zip codes that TelALL used for generating the preceding report. The information is provided to help our customers make the most thorough data evaluation possible. Lat/Lon. info is provided to assist in locating sites. Lat/Lon info that is listed as "0" indicates that the site has not been geocoded. This does not indicate that the site is an orphan or was not evaluated by TelALL's research personnel.



## Database count for 77520

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
77520	CERCLIS	BAYTOWN ORDNANCE WORKS	5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238	
		EXXON MOBIL BAYTOWN FIRE	500 BAYWARD DR	BAYTOWN	29.733695	-95.006279	
		K-R SURPLUS LUMBER COMPANY	5252 1-10 E	BAYTOWN			
	CORRACT	BAYER MATERIAL SCIENCE LLC	8500 W BAY RD	BAYTOWN	29.747517	-94.9110446	
		EXXON MOBIL CORPORATION	2800 DECKER DR	BAYTOWN	29.737971	-94.999743	
			5000 BAYWAY DR	BAYTOWN	29.739936	-95.026331	
		NATURAL GAS ODORIZING INC	3601 DECKER DRIVE	BAYTOWN	29.763265	-95.0065966	
		NRG TEXAS POWER LLC	7705 W BAY RD	ELDON	27.730046	-97.3688351	
		UNITED STATES STEEL CORPOR	5200 E MCKINNEY RD STE 100	BAYTOWN	29.809688	-95.0354234	
		VEOLIA ES TECHNICAL SOLUTIO	1800 S HIGHWAY 146	BAYTOWN	29.714765	-94.98386	
	DRYC	BAYTOWN CLEANERS	2348 N ALEXANDER DR	BAYTOWN	29.746011	-94.9488343	
		EILAND CLEANERS	1305 LACEY DR	BAYTOWN	29.742985	-94.950429	
		FRANKS CLEANERS	3521 MARKET ST	BAYTOWN	29.730456	-95.007471	
		LAROSE CLEANERS	2003 N MAIN ST	BAYTOWN	29.746210	-94.963933	
		LYONS DISCOUNT CLEANERS	614 PARK ST	BAYTOWN	29.746763	-94.9742459	
					BAYTOWN		
	ERNS			10706 INT 10	BAYTOWN	29.861	-94.8428
				1100 NORTH MAIN ST	BAYTOWN	29.740044	-94.964419
				1100 NORTH MAIN ST	BAYTOWN	29.740044	-94.964419
				1100 NORTH MAIN ST	BAYTOWN	29.740044	-94.964419
				1100 NORTH MAIN ST	BAYTOWN	29.740044	-94.964419
				1100 NORTH MAIN ST	BAYTOWN	29.740044	-94.964419
				1100 NORTH MAIN ST	BAYTOWN	29.740044	-94.964419
				12342 FM 2354	BAYTOWN	29.882052	-94.817352
				177 OAKLAND	LYNCHBURG	29.786449	-95.051163
				3047 FERRY RD	BAYTOWN	29.759669	-94.925192
				3047 FERRY RD	BAYTOWN	29.759669	-94.925192
				3047 FERRY RD	BAYTOWN	29.759669	-94.925192
				3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
				3818 TRI CITY BEACH RD	BAYTOWN	29.68451	-94.934311
				4200 N Highway 146	Baytown	29.770345	-94.916696
				446 SOUTH BERNETTE ST	BAYTOWN	29.765947	-95.042178
				8128 TRI-CITY BEACH ROAD	BAYTOWN		
				8442 OCEAN DR TRINITY BAY	BAYTOWN	29.670003	-94.877861
				850 LYNCHBURG	BAYTOWN		
				850 S Lynchburg Rd	Baytown	29.76733	-95.068847
				850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847	
			850 S LYNCHBURG RD	BAYTOWN	29.765985	-95.072242	
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847	
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847	
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847	
		850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847		
		850 S LYNCHBURG RD	BAYTOWN	0	0		
		850 S LYNCHBURG RD	BAYTOWN	29.7735	-95.0665		



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
77520	ERNS		850 S LYNCHBURG RD HMS DOCK	BAYTOWN	29.7735	-95.0665	
			8500 WEST BAY RD.	BAYTOWN	29.747517	-94.9110446	
			8500 WEST BAY RD.	BAYTOWN	0	0	
			999 SOUTH LYNCHBURG RD	BAYTOWN	29.76709	-95.070519	
			999 SOUTH LYNCHBURG RD	BAYTOWN			
			ALEXANDER DRIVE BEFORE LEE DR	BAYTOWN			
			ALEXANDER DRIVE BEFORE LEE DR	BAYTOWN			
			ALEXANDER DRIVE BEFORE LEE DR	BAYTOWN			
			ANTONIO'S PAINT BODY516 W. MAIN	BAYTOWN	0	0	
			BEHIND 4037 WRIGHT LANE	BAYTOWN	29.6801	-94.933	
			BEHIND 4037 WRIGHT LANE	BAYTOWN	29.6801	-94.933	
			CITY MARINA SLIP # B11 2651 STATE	BAYTOWN			
			CITY MARINA SLIP # B11 2651 STATE	BAYTOWN			
			CITY MARINA SLIP # B11 2651 STATE	BAYTOWN			
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			INTERCONTINENTAL TERMINAL	DEER PARK			
			INTERCONTINENTAL TERMINAL	DEER PARK			
			LOCATED INSIDE A FUEL SLIP850 S	BAYTOWN	0	0	
			NORTH MAIN STREET AT WEST DEE	BAYTOWN			
			RESIDENTIAL AREA (SAN JACINTO R	BAYTOWN	0	0	
			SLIP AREA 850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847	
			SLIP AREA 850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847	
			SLIP AREA 850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847	
			UNKNOWN SHEEN INCIDENT 1070 B	BAYTOWN	29.701136	-94.945614	
			UNKNOWN SHEEN INCIDENT 1070 B	BAYTOWN	29.701136	-94.945614	
			UNKNOWN SHEEN INCIDENT 1070 B	BAYTOWN	29.701136	-94.945614	
			UNKNOWN SHEEN INCIDENT 2212 W	BAYTOWN			
			UNKNOWN SHEEN INCIDENT 2212 W	BAYTOWN			
			UNKNOWN SHEEN INCIDENT 2212 W	BAYTOWN			
			UNKNOWN SHEEN INCIDENT 850 S L	BAYTOWN	29.76733	-95.068847	
			UNKNOWN SHEEN INCIDENT 999 SO	BAYTOWN	29.76709	-95.070519	
			UNKNOWN SHEEN INCIDENT850 S L	BAYTOWN	0	0	
			WEST BAY ROAD	BAYTOWN			
			WEST BAY ROAD	BAYTOWN			
			WEST BAY ROAD	BAYTOWN			
			ADVANCE AEROMATICS	5501 BAKER ROAD	BAYTOWN	29.769351	-95.01101
				5501 BAKER ROAD	BAYTOWN		
				5501 BAKER ROAD	BAYTOWN	0	0
			ADVANCED AROMATICS	5501 BAKER ROAD	BAYTOWN		
		5501 BAKER ROAD	BAYTOWN				
		5501 BAKER ROAD	BAYTOWN				

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
77520	ERNS	ADVANCED AROMATICS	5501 BAKER ROAD	BAYTOWN	29.769287	-95.02627
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
		ADVANCED AROMATICS LP	5501 BAKER RD	BAYTOWN	29.7694	-95.0251
			5501 BAKER RD	BAYTOWN	29.7694	-95.0251
			5501 BAKER ROAD	BAYTOWN	29.769351	-95.01101
			5501 BAKER ROAD	BAYTOWN	29.769351	-95.01101
			5501 BAKER ROAD	BAYTOWN	29.769351	-95.01101
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 BAKER ROAD	BAYTOWN		
			5501 W Baker Rd	Baytown	29.769287	-95.02627
		5501 W Baker Rd	Baytown	29.769287	-95.02627	
		AIR PRODUCTS	100 SOUTH AIRHART	BAYTOWN	29.74202	-94.99274
			100 SOUTH AIRHART	BAYTOWN	29.74202	-94.99274
			100 SOUTH AIRHART	BAYTOWN	29.74202	-94.99274
			5503 WEST BAKER ROAD	BAYTOWN	29.769455	-95.0256133
		AIR PRODUCTS AND CHEMICALS	5503 WEST BAKER ROAD	BAYTOWN	0	0
			5503 W Baker Rd	Baytown	29.7694	-95.0251
		AMERICAN CARIBBEAN	823 SOUTH PRUETT STREET	BAYTOWN	29.728393	-94.975082
			823 SOUTH PRUETT STREET	BAYTOWN	29.728393	-94.975082
		AMERICAN COMMERCIAL BARGE	General Delivery	Baytown	29.751	-94.9553
		B AND S TRUCKING	6800 THOMPSON RD	BAYTOWN	29.7959	-95.0317
			6800 THOMPSON RD	BAYTOWN	29.7959	-95.0317
		BARE MATERIALS SCIENCE	8500 W BAY ROAD	BAYTOWN	29.69853	-94.913266
		BAYER	8500 W. BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 W. BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 W. BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY RD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY RD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN		
		BAYER COOPERATION	8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
		BAYER CORP	PROCESSING AREA 8500 W. BAY RD	BAYTOWN		
		BAYER CORP.	8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
8500 Fm 1405 Rd	Baytown		29.69853	-94.913266		
8500 Fm 1405 Rd	Baytown		29.69853	-94.913266		
8500 Fm 1405 Rd	Baytown		29.69853	-94.913266		

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>ERNS</i>	BAYER CORP.	8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 W. BAY RD	BAYTOWN	29.69853	-94.913266
			8500 W. BAY RD	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			BAYER INCORP.	8500 W. BAY RD.	BAYTOWN	29.724641
			8500 W. BAY RD.	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD.	BAYTOWN	29.724641	-94.920673
			8500 W. BAY RD.	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD.	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD.	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD.	BAYTOWN	29.7714	-94.9013
			8500 W. BAY RD.	BAYTOWN	29.724641	-94.920673
			8500 W. BAY RD.	BAYTOWN	29.724641	-94.920673
		BAYER INCORPORATED	8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 W. BAY RD.	BAYTOWN	29.724641	-94.920673
			BARGE DOCK ATMOSPHERE. 8500	BAYTOWN		
			BARGE DOCK ATMOSPHERE. 8500	BAYTOWN		
			BARGE DOCK ATMOSPHERE. 8500	BAYTOWN		
		BAYER MATERIAL SCIENCE	8500 W. BAY RD	BAYTOWN		
			8500 W. BAY RD	BAYTOWN	29.747517	-94.9110446
			8500 W. BAY RD	BAYTOWN	29.747517	-94.9110446
			8500 W. BAY RD	BAYTOWN	0	0
			8500 W. BAY RD	BAYTOWN	0	0
		BOC GASSES	100 SOUTH AIRHART ROAD	BAYTOWN	29.74202	-94.99274
		BOONE TOWING		GALENA PAR		
			DOCK NUMBER ONE 850 S LYNCHB	BAYTOWN		
			DOCK NUMBER ONE 850 S LYNCHB	BAYTOWN		
			DOCK NUMBER ONE 850 S LYNCHB	BAYTOWN		
		BP PIPELINE	General Delivery	Baytown	29.751	-94.9553
		CARIZZO OIL AND GAS	8524 FM 2345	BEACH CITY		
		CEDAR POINT OIL CO	TEXAS SITE 126 OFFSHORE	BAYTOWN		
		CEI TRUCKING	WASTE MANAGEMENT 1800 SOUTH	BAYTOWN		
		CENTER POINT ENERGY	1422 E JAMES STREET	BAYTOWN	29.730759	-94.951094
		CHANNEL SHIPYARD	999 SOUTH LYNCHBURG RD	BAYTOWN	29.7711	-95.0679
			999 SOUTH LYNCHBURG RD	BAYTOWN	29.7711	-95.0679
			NORTH CLEANING DOCK 999 SOUT	BAYTOWN	29.76709	-95.070519
			NORTH CLEANING DOCK 999 SOUT	BAYTOWN	29.76709	-95.070519
			NORTH CLEANING DOCK 999 SOUT	BAYTOWN	29.76709	-95.070519
		CHEMICAL WASTE MANAGEMENT	1800 S HWY 146	BAY TOWN	29.7137	-94.9883



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
77520	ERNS	EQUISTAR CHEMICAL	8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE		
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			8280 SHELDON RD. OLEFINS TANK F	CHANNELVIE		
			EQUISTAR CHEMICAL 8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			OP ONE UNIT 8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			OP ONE UNIT 8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			OP ONE UNIT 8280 SHELDON RD.	CHANNELVIE	29.820452	-95.127144
			OP2 FLARE STACK 8280 SHELDON RD.	CHANNELVIE		
			OP2 FLARE STACK 8280 SHELDON RD.	CHANNELVIE		
			OP2 FLARE STACK 8280 SHELDON RD.	CHANNELVIE		
			EQUISTAR CHEMICAL COMPANY	8280 SHELDON RD.	CHANNELVIE	
			EXON MOBILE	3525 DECKER DR.	BAYTOWN	29.760925 -95.004078
				3525 DECKER DR.	BAYTOWN	29.760925 -95.004078
				3525 DECKER DR.	BAYTOWN	29.760925 -95.004078
				3525 DECKER DR.	BAYTOWN	29.760925 -95.004078
			EXON MOBILE REFINING AND SU	2800 Decker Dr	Baytown	29.755468 -94.994893
				2800 Decker Dr	Baytown	29.755468 -94.994893
			EXXON	2800 DECKER DR	BAYTOWN	29.7551 -94.9943
				DECKER DRIVE	BAYTOWN	29.7551 -94.9943
				GARTH AND DECKER	BAYTOWN	29.740438 -94.981153
			EXXON /MOBIL	5000 BAYWAY DRIVE	BAYTOWN	29.7359 -95.0238
				5000 BAYWAY DRIVE	BAYTOWN	29.7359 -95.0238
				5000 BAYWAY DRIVE	BAYTOWN	29.7359 -95.0238
				5000 BAYWAY DRIVE	BAYTOWN	29.7359 -95.0238
				5000 BAYWAY DRIVE	BAYTOWN	29.7359 -95.0238
			EXXON /MOBIL CHEMICAL CO.	3525 DECKER DRIVE	BAYTOWN	29.761744 -95.0051483
				3525 DECKER DRIVE	BAYTOWN	29.761744 -95.0051483
				3525 DECKER DRIVE	BAYTOWN	0 0
				3525 DECKER DRIVE	BAYTOWN	0 0
				5000 BAYWAY DRIVE	BAYTOWN	29.7359 -95.0238
	5000 BAYWAY DRIVE	BAYTOWN	29.744004 -95.0276496			
	5000 BAYWAY DRIVE	BAYTOWN	0 0			
EXXON /MOBILE	5000 Bayway Dr	Baytown	29.7359 -95.0238			



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>ERNS</i>	EXXON CHEMICAL	3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
			3525 DECKER DRIVE	BAYTOWN		
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		3525 DECKER DRIVE	BAYTOWN		29.760925	-95.004078
		EXXON CHEMICAL AMERICAS	5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
		EXXON CHEMICAL CO	5000 A WAY DRIVE	BAYTOWN		
			5000 A WAY DRIVE	BAYTOWN		
		EXXON CHEMICAL COMPANY	BAYTOWN OLEVINES 3525 DECKER	BAYTOWN	29.7602	-95.0033
			BAYTOWN OLEVINES 3525 DECKER	BAYTOWN	29.7602	-95.0033
			BAYTOWN OLEVINES 3525 DECKER	BAYTOWN	29.7602	-95.0033
		EXXON CO. USA	2800 DECKER DR LIGHT OIL TREATE	BAYTOWN		
		EXXON MOBIL	2800 DECKAR DR	BAYTOWN	29.75257	-94.9961469
			2800 DECKAR DR	BAYTOWN	29.75257	-94.9961469
			2800 DECKAR DR	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 Decker Dr	Baytown	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		
	2800 Decker Dr	Baytown	29.755468	-94.994893		
	2800 Decker Dr	Baytown	29.755468	-94.994893		
	2800 DECKER DR	BAYTOWN	29.755468	-94.994893		



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>ERNS</i>	EXXON MOBIL	2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN		
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN		
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN	0	0
			2800 DECKER DR	BAYTOWN	0	0
			2800 DECKER DR.	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR.	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR.	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR.	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR.	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR.	BAYTOWN		
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
2800 DECKER DR.	BAYTOWN					
2800 DECKER DR.	BAYTOWN					
2800 DECKER DR.	BAYTOWN					
2800 DECKER DR.	BAYTOWN					
2800 DECKER DR.	BAYTOWN					
2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
2800 DECKER DR.	BAYTOWN					
2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			

















**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>ERNS</i>	EXXON MOBIL	3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078
			5000 BAY WAY DRIVE	BAYTOWN	29.744004	-95.0276496
			5000 BAY WAY DRIVE	BAYTOWN	29.744004	-95.0276496
			5000 BAY WAY DRIVE	BAYTOWN	29.744004	-95.0276496
			5000 BAY WAY DRIVE	BAYTOWN	29.744004	-95.0276496
			5000 BAY WAY DRIVE	BAYTOWN	0	0
			5000 BAY WAY DRIVE	BAYTOWN	0	0
			5000 BAY WAY DRIVE	BAYTOWN	0	0
			5000 BAY WAY DRIVE	BAYTOWN	0	0
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			BOOSTER STATION #4, FLARE STAC	BAYTOWN	0	0
			BOOSTER STATION #4, FLARE STAC	BAYTOWN	0	0
			BOOSTER STATION #4, FLARE STAC	BAYTOWN	0	0
CATALYTIC LIGHT ENDS #3 (FLARE #	BAYTOWN	0	0			
CATALYTIC LIGHT ENDS #3 (FLARE #	BAYTOWN	0	0			
CHEMICAL FACILITY // POLYPROPYL	BAYTOWN	0	0			
ETHYLENE MANUFACTURING FACILI	BAYTOWN	29.760925	-95.004078			
ETHYLENE MANUFACTURING FACILI	BAYTOWN	29.760925	-95.004078			
ETHYLENE MANUFACTURING FACILI	BAYTOWN	29.760925	-95.004078			
ETHYLENE MANUFACTURING FACILI	BAYTOWN	29.760925	-95.004078			
ETHYLENE MANUFACTURING FACILI	BAYTOWN	29.760925	-95.004078			
ETHYLENE MANUFACTURING FACILI	BAYTOWN	29.760925	-95.004078			













**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	ERNS	EXXON MOBIL CHEMICAL COMPA	5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			5000 BAYWAY DRIVE	BAYTOWN	29.7359	-95.0238
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY TOWN CHEMICAL PLANT	BAYTOWN		
			BAY WAY DRIVE DRIVE	BAYTOWN		
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.722882	-94.979527
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	29.735505	-94.9774274
			BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0
			BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0
			BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
BAYTOWN CHEMICAL PLANT	BAYTOWN	0	0			
TDU UNIT 5000 BAYWAY DRIVE	BAYTOWN					
TDU UNIT 5000 BAYWAY DRIVE	BAYTOWN					
EXXON MOBIL REFINERY		2800 Decker Dr	Baytown	29.755468	-94.994893	

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>ERNS</i>	EXXON MOBIL REFINERY	2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR.	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR.	BAYTOWN	0	0
			2800 DECKER DR.	BAYTOWN	0	0
			FLARE NUMBER:27 2800 DECKER D	BAYTOWN		
			FLARE NUMBER:27 2800 DECKER D	BAYTOWN		
			FLARE NUMBER:27 2800 DECKER D	BAYTOWN		
			FLARE NUMBER:27 2800 DECKER D	BAYTOWN		
			FLARE NUMBER:27 2800 DECKER D	BAYTOWN		
			FLARE NUMBER:27 2800 DECKER D	BAYTOWN		
REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893			
EXXON MOBIL REFINERY AND SU	2800 DECKER DR.	BAYTOWN				
	2800 DECKER DR.	BAYTOWN				
	2800 DECKER DR.	BAYTOWN				
	2800 DECKER DR.	BAYTOWN				
	2800 DECKER DR.	BAYTOWN				
	2800 DECKER DR.	BAYTOWN				

















**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
<b>77520</b>	<i>ERNS</i>	EXXON MOBILE CHEMICAL CO	3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DRIVE	BAYTOWN	29.760925	-95.004078	
		EXXON MOBILE CHEMICAL CO.	5000 BAYWAY DRIVE	BAYTOWN			
			5000 BAYWAY DRIVE	BAYTOWN			
			5000 BAYWAY DRIVE	BAYTOWN			
		EXXON MOBILE CHEMICALS	5000 BAY WAY DRIVE	BAYTOWN	29.744004	-95.0276496	
		EXXON MOBILE REFINING AND S	2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
			2800 DECKER DR	BAYTOWN			
			2800 DECKER DR	BAYTOWN			
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
			2800 DECKER DR	BAYTOWN			
			2800 DECKER DR	BAYTOWN			
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
			EXXON REFFING AND SUPPLY	2800 DECKER DR	BAYTOWN	29.755468	-94.994893
		2800 DECKER DR		BAYTOWN	29.755468	-94.994893	
		2800 DECKER DR		BAYTOWN	29.755468	-94.994893	
		2800 DECKER DR		BAYTOWN	29.755468	-94.994893	
		2800 DECKER DR		BAYTOWN	29.755468	-94.994893	
		2800 DECKER DR		BAYTOWN	29.755468	-94.994893	
		EXXON REFINERY	2800 DECKER	BAYTOWN	29.755468	-94.994893	
			2800 DECKER	BAYTOWN	29.755468	-94.994893	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.755468	-94.994893	
			2800 DECKER	BAYTOWN	29.755468	-94.994893	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.755468	-94.994893	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
			2800 DECKER	BAYTOWN	29.7551	-94.9943	
		2800 DECKER	BAYTOWN	29.7551	-94.9943		
		2800 DECKER DR.	BAYTOWN	29.755468	-94.994893		
		2800 DECKER DR.	BAYTOWN	29.755468	-94.994893		
		2800 DECKER DR.	BAYTOWN	29.755468	-94.994893		
2800 DECKER DR.	BAYTOWN	29.755468	-94.994893				



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
<b>77520</b>	<i>ERNS</i>	EXXON REFINERY	PUMP NUMBER P802C 2800 DECKER	BAYTOWN	29.755468	-94.994893	
		EXXON/MOBIL	2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 DECKER DR.	BAYTOWN			
			2800 DECKER DR.	BAYTOWN			
			2800 DECKER DR.	BAYTOWN			
			2800 DECKER DR.	BAYTOWN			
			3525 DECKER DR.	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DR.	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DR.	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DR.	BAYTOWN	29.760925	-95.004078	
			3525 DECKER DR.	BAYTOWN	29.760925	-95.004078	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238	
			EXXON/MOBIL CHEMICAL CO.	5000 BAY WAY DR.	BAYTOWN	29.744004	-95.0276496
				5000 BAY WAY DR.	BAYTOWN	29.744004	-95.0276496
				5000 BAY WAY DR.	BAYTOWN	29.744004	-95.0276496
				5000 BAY WAY DR.	BAYTOWN	29.744004	-95.0276496
				5000 BAY WAY DR.	BAYTOWN	0	0
				5000 BAY WAY DR.	BAYTOWN	0	0
				5000 BAY WAY DR.	BAYTOWN	0	0
				5000 BAY WAY DR.	BAYTOWN	0	0
				5000 BAYWAY DR.	BAYTOWN		
			EXXON/MOBIL CHEMICAL PLANT	5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
			EXXON/MOBIL REFINERY	2800 Decker Dr	Baytown	29.755468	-94.994893
				2800 Decker Dr	Baytown	29.755468	-94.994893
			EXXON/MOBIL REFINING	2800 DECKER DR.	BAYTOWN		
				2800 DECKER DR.	BAYTOWN		
				2800 DECKER DR.	BAYTOWN		
				2800 DECKER DR.	BAYTOWN		
				2800 DECKER DR.	BAYTOWN		
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
				5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
		5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238		
		5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238		



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>ERNS</i>	EXXON-MOBIL BAYTOWN OLEFIN	3525 Decker Dr	Baytown	29.760925	-95.004078
			3525 Decker Dr	Baytown	29.760925	-95.004078
			3525 Decker Dr	Baytown	29.760925	-95.004078
			3525 Decker Dr	Baytown	29.760925	-95.004078
			3525 Decker Dr	Baytown	29.760925	-95.004078
			3525 Decker Dr	Baytown	29.760925	-95.004078
			3525 Decker Dr	Baytown	29.760925	-95.004078
		CHEMICL MANUFACTURING FACILIT	BAYTOWN	29.760925	-95.004078	
		CHEMICL MANUFACTURING FACILIT	BAYTOWN	29.760925	-95.004078	
		CHEMICL MANUFACTURING FACILIT	BAYTOWN	29.760925	-95.004078	
		MANUFACTURING FACILITY3525 DE	BAYTOWN	0	0	
		PRIMARY FLARE 3525 DECKER DR	BAYTOWN	29.760925	-95.004078	
		PRIMARY FLARE 3525 DECKER DR	BAYTOWN	29.760925	-95.004078	
		PRIMARY FLARE 3525 DECKER DR	BAYTOWN	29.760925	-95.004078	
		EXXON-MOBIL BAYTOWN OLESIN	3525 DECKER DR	BAYTOWN	29.760925	-95.004078
			3525 DECKER DR	BAYTOWN	29.760925	-95.004078
			3525 DECKER DR	BAYTOWN	29.760925	-95.004078
		EXXONMOBIL REFINERY	REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
		EXXON-MOBILE	2800 Decker Dr	Baytown	29.755468	-94.994893
			FLARE STACK # 202800 DECKER DR.	BAYTOWN	0	0
		FIRST CHEMICAL TEXAS	8480 WEST BAY ROAD	BAYTOWN	29.747517	-94.9110446
			8480 WEST BAY ROAD	BAYTOWN	29.747517	-94.9110446
			8480 WEST BAY ROAD	BAYTOWN	29.747517	-94.9110446
			8480 WEST BAY ROAD	BAYTOWN	29.747517	-94.9110446
			8480 WEST BAY ROAD	BAYTOWN	0	0
			8480 WEST BAY ROAD	BAYTOWN	0	0
			8480 WEST BAY ROAD	BAYTOWN	0	0
			8480 WEST BAY ROAD	BAYTOWN	0	0
			TANK FARM LOCATION8480 WEST B	BAYTOWN	0	0
		FLORIDA MARINE TRANSPORTER	General Delivery	Baytown	29.751	-94.9553
		FOOTHILLS TEXAS	2424 LEE DRIVE	BAYTOWN	29.709796	-94.9828723
		FOOTHILLS TEXAS INC.	2424 LEE DRIVE	BAYTOWN		
			2424 LEE DRIVE	BAYTOWN		
		GAITHER PETROLEUM	100 Evergreen Rd	Baytown	29.711854	-94.979792
		GRAY BROTHERS BAY CAMP	3119 Anglefish Cv	Baytown	29.6934	-94.9344
		HO SERVICE INC.	FM2354 AND MCCOMMUM PARK RO	BEACH CITY		
			FM2354 AND MCCOMMUM PARK RO	BEACH CITY		
		HOUSTON LIGHTING & POWER	7705 WEST BAY ROAD	ELDON	29.7714	-94.9013
			FARM RD 1405, 2MI S OF INTERSECT	SHELDON	29.613523	-95.211146
		HOUSTON LIGHTING/POWER	775 WEST BAY ROAD	ELDON	29.613523	-95.211146
			775 WEST BAY ROAD	ELDON	29.613523	-95.211146
		HOUSTON MARINE	HOUSTON MARINE SERVICE 850 S L	BAYTOWN		
		HOUSTON MARINE SERVICE	850 S LYNCHBURG RD	BAYTOWN	29.7735	-95.0665
			850 S LYNCHBURG RD	BAYTOWN	29.7735	-95.0665
			850 S LYNCHBURG RD	BAYTOWN	29.7735	-95.0665

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>ERNS</i>	HOUSTON MARINE SERVICE	850 S. LYNCHBURG	BAYTOWN	29.76733	-95.068847
			WESTERN FLEETING	BAYTOWN		
		HOUSTON MARINE SERVICES	850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN		
			850 S LYNCHBURG RD	BAYTOWN		
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN		
			850 S LYNCHBURG RD	BAYTOWN		
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN		
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			850 SOUTH LYNCHBURG RD.	BAYTOWN	29.76733	-95.068847
			850 SOUTH LYNCHBURG ROAD	BAYTOWN	29.76733	-95.068847
			850 SOUTH LYNCHBURG ROAD	BAYTOWN	29.76733	-95.068847
			DOCK SIDE 850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			DOCK SIDE 850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			DOCK SIDE 850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
			General Delivery	Baytown	29.751	-94.9553
			HOUSTON FUEL OIL TERMINAL PIER	HOUSTON	29.74415	-95.340219
			MARINE TERMINAL 850 S LYNCHBU	BAYTOWN	29.76733	-95.068847
			MARINE TERMINAL 850 S LYNCHBU	BAYTOWN	29.76733	-95.068847
	MARINE TERMINAL 850 S LYNCHBU	BAYTOWN	29.76733	-95.068847		
	WATERFRONT850 S LYNCHBURG R	BAYTOWN	0	0		
	HOUSTON PIPELINE CO LP	General Delivery	Baytown	29.751	-94.9553	
	INTRACOASTAL MARITIME COR	850 S LYNCHBURG RD	BAYTOWN	29.7735	-95.0665	
	JOES PAINT AND BODY SHOP	606 EAST TEXAS STREET	BAYTOWN	29.73044	-94.961295	
	KOCH MATERIALS	1220 AIRHEART DRIVE	BAYTOWN	29.730843	-95.001139	
	LA-TECH	100 EVERGREEN ROAD	BAYTOWN			

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>ERNS</i>	LCY ELASTOMERS LP	4803 DECKER DRIVE	BAYTOWN	29.776826	-95.019118
		LOWE'S	GARTH ROAD	BAYTOWN	29.740558	-94.98039
		LYONDELL CHEMICAL	2502 SHELDON RD.	CHANNELVIE	29.81929	-95.126821
			2502 SHELDON RD.	CHANNELVIE	29.81929	-95.126821
			2502 SHELDON RD.	CHANNELVIE	29.81929	-95.126821
			2502 SHELDON RD.	CHANNELVIE	29.81929	-95.126821
			2502 SHELDON RD.	CHANNELVIE	29.81929	-95.126821
			2502 SHELDON RD.	CHANNELVIE	29.81929	-95.126821
			2502 SHELDON RD.	CHANNELVIE	29.81929	-95.126821
		LYONDELL CHEMICAL COMPANY	2502 SHELDON ROAD	CHANNELVIE	29.81929	-95.126821
		MARTIN GAS SALES, INC	JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
			JUST NORTH OF THE INTERSTATE	BAYTOWN		
		MASTERS RESOURCES	General Delivery	Baytown	29.751	-94.9553
		MCKENZIE TANK LINES	5501 W Baker Rd	Baytown	29.769287	-95.02627
		MILES INC	8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
			8500 WEST BAY ROAD	BAYTOWN	29.7714	-94.9013
		NATURAL GAS ODORIZING	3601 DECKER DRIVE	BAYTOWN	29.7612	-95.0043
		POLIMERERUOPA AMERICIAS	4803 Decker Dr	Baytown	29.776826	-95.019118
		POLIMERI EUROPA AMERICAS	ENTIRE CHEMICAL FACILITY4803 DE	BAYTOWN	0	0
			IN THE REACTION AREA4803 DECKE	BAYTOWN	0	0
			IN THE REACTION AREA4803 DECKE	BAYTOWN	0	0
			IN THE REACTION AREA4803 DECKE	BAYTOWN	0	0
			IN THE REACTION PROCESS AREA4	BAYTOWN	0	0
		POWERS MARINE TOWING	5901 BAYWAY DR	BAYTOWN	29.750732	-95.034429
			5901 BAYWAY DR	BAYTOWN	29.750732	-95.034429
5901 BAYWAY DR	BAYTOWN		29.750732	-95.034429		
RHODIA	3439 PARK ST	BAYTOWN				
	3439 PARK ST	BAYTOWN	29.747835	-94.988813		

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
77520	ERNS	RHODIA	RHODIA 3439 PARK STREET	BAYTOWN			
			RHODIA 3439 PARK STREET	BAYTOWN			
			RHODIA 3439 PARK STREET	BAYTOWN			
		RHONE POULENC	3439 PARK ST	BAYTOWN			
			SULFURIC ACID REGEN UNIT 3439 P	BAYTOWN			
		RND ENVIRONMENTAL SERVICES	5501 BAKER ROAD	BAYTOWN	29.769287	-95.02627	
		SONOCO	9206 STATE HWY 146	MONT BELVIE	29.749288	-94.973698	
		TEJAS GAS OPERATING, LLC	5200 GENOA RED BLUFF	PASADENA	29.633575	-95.118924	
			5200 GENOA RED BLUFF	PASADENA	29.633575	-95.118924	
			5200 GENOA RED BLUFF	PASADENA	29.633575	-95.118924	
		TEPPCO	4225 Decker Dr	Baytown	29.768711	-95.011199	
			4225 Decker Dr	Baytown	29.768711	-95.011199	
		TEXAS AMERICAN RESOURCES	General Delivery	Baytown	29.751	-94.9553	
		TEXAS AMERICAN RESOURCES C	2424 LEE DRIVE	BAYTOWN	29.7248	-94.9809	
			2424 LEE DRIVE	BAYTOWN	29.7248	-94.9809	
		TEXAS AMERICAN RESOURCES C	2424 LEE DRIVE	BAYTOWN	29.7248	-94.9809	
			2424 LEE DRIVE	BAYTOWN	29.7248	-94.9809	
		TUG MISS LAURA	850 S LYNCHBURG RD HMS FUEL SL	BAYTOWN	29.7735	-95.0665	
		U.S. FILTER RECOVERY SERVICE	4401 E Greenwood St	Baytown	29.7217	-94.9154	
		UNITY MARINE	850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847	
		USX REALTY DEVELOPMENT	CEDAR BAYOU OAK POINT TERMINA	BAYTOWN	29.8041	-94.9037	
		VINNY'S PETROLEUM	GALVESTON BAY	BAYTOWN			
		VINTAGE PETROLEUM	9738 POINT BARROW	BAYTOWN	29.738924	-94.844041	
			9738 POINT BARROW	BAYTOWN	29.738924	-94.844041	
			9738 POINT BARROW	BAYTOWN	29.738924	-94.844041	
			9738 Point Barrow Rd	Baytown	29.738924	-94.844041	
			9738 Point Barrow Rd	Baytown	29.738924	-94.844041	
			9738 POINT BARROW RD TRINITY B	BAYTOWN			
			GALVESTON BAY	BAYTOWN			
			GALVESTON BAY	BAYTOWN			
			OIL & GAS PRODUCTION FACILITY -	BAYTOWN			
			OIL & GAS PRODUCTION FACILITY -	BAYTOWN			
			OIL & GAS PRODUCTION FACILITY -	BAYTOWN			
			PLATFORM F2	ANAHUAC			
			REMOTE AREA IN TRINITY BAY	BAYTOWN			
			REMOTE AREA IN TRINITY BAY	BAYTOWN			
			REMOTE AREA IN TRINITY BAY	BAYTOWN			
		TRINITY BAY	BAYTOWN	29.7268	-95.0015		
		TRINITY BAY / STATE TRACK 22 AND	BAYTOWN				
		TRINITY BAY / STATE TRACK 22 AND	BAYTOWN				
		TRINITY BAY / STATE TRACK 22 AND	BAYTOWN				
		NFRAP	ADVANCED AROMATICS CHEMIC	5501 BAKER RD.	BAYTOWN	29.769287	-95.02627
				5501 BAKER RD.	BAYTOWN	29.769287	-95.02627
			BAYTOWN CITY OF DUMP	CEDAR BAYOU @ KILGORE	BAYTOWN	29.8041	-94.9037
			EXXON CO USA BAYTOWN REFIN	2800 DECKER DR	BAYTOWN	29.755468	-94.994893
			EXXON CO USA NW CHEMICAL A	4001 DECKER DR	BAYTOWN	29.766802	-95.009578
			EXXON RESEARCH AND ENGINEE	L500 BAYWAY DRIVE	BAYTOWN		
			GULF OIL CHEMICALS CO	I-10 AT CEDAR BAYOU	BAYTOWN	29.733344	-94.954921
				I-10 AT CEDAR BAYOU	BAYTOWN	29.733344	-94.954921
		LIBERTY WASTE DISPOSAL LAND	1 MI N OF FM1413 ON COX RD.	DAYTON			

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>NFRAP</i>	MOBAY CHEMICAL CORP-BAYTO	WEST BAY RD	BAYTOWN	29.778128	-94.913306
		SOUTHWESTERN LABORATORIE	ON BAYWAY DRIVE	BAYTOWN		
		STAUFFER CHEMICAL CO INDUST	3439 PARK ST	BAYTOWN	29.747835	-94.988813
		UNIDEN PRI RESIDENCES BROW	MAPLETON & BAYSHORE	BAYTOWN		
		UNITED STATES STEEL CORP (TE	FM 1045	BAYTOWN		
	<i>RCRA TSD</i>	BAYER MATERIAL SCIENCE LLC	8500 W BAY RD	BAYTOWN	29.747287	-94.912705
			8500 W BAY RD	BAYTOWN	29.778128	-94.913306
			8500 W BAY RD	BAYTOWN	29.747287	-94.912705
			8500 W BAY RD	BAYTOWN	29.778128	-94.913306
		EXXON MOBIL CORPORATION	2800 DECKER DR	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR	BAYTOWN	29.75257	-94.9961469
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
			2800 DECKER DR	BAYTOWN	29.755468	-94.994893
		FIRST CHEMICAL TEXAS LP	8480 W BAY ROAD	BAYTOWN	29.747287	-94.912705
			8480 W BAY ROAD	BAYTOWN	29.747287	-94.912705
	NATURAL GAS ODORIZING INC	3601 DECKER DRIVE	BAYTOWN			
	NRG TEXAS POWER LLC	7705 W BAY RD	ELDON	27.730046	-97.3688351	
		7705 W BAY RD	ELDON	27.730046	-97.3688351	
	<i>RCRA-G</i>	UNITED STATES STEEL CORPOR	5200 E MCKINNEY RD STE 100	BAYTOWN		
		AA DUMP TRUCK SERVICE	418 E TEXAS AVE	BAYTOWN	29.730669	-94.962777
		ADVANCED AROMATICS LP	5501 BAKER RD	BAYTOWN	29.769287	-95.02627
			5501 BAKER RD	BAYTOWN	29.769287	-95.02627
			5501 BAKER RD	BAYTOWN	29.769351	-95.01101
		AIR PRODUCTS BAYTOWN PLANT	5503 BAKER RD	BAYTOWN	29.769455	-95.0256133
		BAYER MATERIAL SCIENCE LLC	8500 W BAY RD	BAYTOWN	29.747287	-94.912705
			8500 W BAY RD	BAYTOWN	29.747287	-94.912705
			8500 W BAY RD	BAYTOWN	29.778128	-94.913306
		BAYER MATERIALSCIENCE LLC	8406 FM 1405	BAYTOWN	29.699446	-94.9136878
		BAYTOWN ENERGY CENTER	8605 FM 1405 RD	BAYTOWN	29.695313	-94.9129404
		BAYTOWN ENVIRONMENTAL SCI	104 LAKEWOOD DR	BAYTOWN	29.767761	-95.032888
		BRUCE U SOAPE DBA TRIPLE S E	6700 W BAY RD	BAYTOWN	29.747287	-94.912705
		CALGON CARBON CORP - BAYTO	5200 E MCKINNEY RD SUITE 500	BAYTOWN	29.757766	-94.9421945
		CARLOS PAINT & BODY SHOP	6800 BAYWAY DR	BAYTOWN	29.761708	-95.031805
		CEDAR MARINE TERMINALS LP	200 ATLANTIC PIPE LINE RD BLDG D	BAYTOWN	29.672742	-94.9178005
		CENTERPOINT ENERGY HOUSTO	333 WARD ROAD	BAYTOWN		
		CHANNEL SHIPYARD COMPANY I	999 S LYNCHBURG RD	BAYTOWN	29.778005	-95.0639703
		CHARLES LAMARR TRUCKING	7411 DECKER DRIVE	BAYTOWN	29.788587	-95.049266
		CHEMICAL WASTE MGMT	2201 LEE DR	BAYTOWN	29.715494	-94.9804484
	CROSSROAD CARRIERS LP	200 ATLANTIC PIPELINE RD BLDG C	BAYTOWN	29.735505	-94.9774274	
	EMET TRANSPORTATION INC	1010 MARKET STREET	BAYTOWN	29.734837	-94.980472	
	ENTERPRISE TRANSPORTATION	5206 WADE ROAD	BAYTOWN	29.777805	-95.01534	
	EXXON MOBIL CORPORATION	2800 DECKER DR	BAYTOWN	29.75257	-94.9961469	
		2800 DECKER DR	BAYTOWN	29.755468	-94.994893	
		2800 DECKER DR	BAYTOWN	29.75257	-94.9961469	
		3525 DECKER DR	BAYTOWN	29.761744	-95.0051483	
		5000 BAYWAY DR	BAYTOWN	29.758793	-95.0336657	
		5000 BAYWAY DR	BAYTOWN	29.733695	-95.006279	
	EXXON MOBIL PIPELINE CO BAYT	2901 PARK ST	BAYTOWN	29.746549	-94.9805911	
	EXXON RAS NO 61845	101 S ALEXANDER	BAYTOWN	29.728918	-94.959277	
	EXXONMOBIL PIPELINE COMPAN	3227 DECKER DR	BAYTOWN	29.757902	-94.9998437	

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	RCRA-G	FCC ENVIRONMENTAL LLC	4415 E GREENWOOD ST SUITE A	BAYTOWN	29.73611	-94.9392016
		FIRST CHEMICAL TEXAS LP	8480 W BAY ROAD	BAYTOWN	29.747287	-94.912705
			8480 W BAY ROAD	BAYTOWN	29.747287	-94.912705
		FLOMIN INC	7500 FM 1405 RD	BAYTOWN	29.708363	-94.9157501
		HEXION SPECIALTY CHEMICALS	8450 W BAY ROAD	BAYTOWN		
		HOME DEPOT USA INC	6115 FM 1405	BAYTOWN	29.732166	-94.917884
		HOUSTON MARINE SERVICES INC	850 S LYNCHBURG RD	BAYTOWN	29.765985	-95.072242
		IPSCO KOPPEL TUBULARS CORP	2600 STATE HIGHWAY 99	BAYTOWN	29.789490	-95.0498146
		JSW STEEL USA INC	5200 E MCKINNEY RD STE 110	BAYTOWN	29.752256	-94.940627
			5200 E MCKINNEY STE 200	BAYTOWN	29.752256	-94.940627
		LANXESS CORPORATION	8500 W BAY RD MALEIC ANHYDRIDE	BAYTOWN	29.735505	-94.9774274
		LCY ELASTOMERS LP	4803 DECKER DR	BAYTOWN	29.776048	-95.022965
		LIBERTY WASTE DISP	ELLIS SCHOOL & JONES RD	BAYTOWN		
			ELLIS SCHOOL & JONES RD	BAYTOWN	29.736025	-94.9334156
		LINDE LLC	100 S AIRHART DR	BAYTOWN	29.740333	-94.9926909
		LYNCHBURG SHIPYARD INC	997 S LYNCHBURG RD	BAYTOWN	29.778005	-95.0639703
		MOBIL OIL CORP SS#264	7100 GARTH RD & I-10	BAYTOWN	29.741956	-94.9799919
		NRG TEXAS POWER LLC	7705 W BAY RD	ELDON	27.730046	-97.3688351
			7705 W BAY RD	ELDON	27.730046	-97.3688351
		PHOENIX POLLUTION CONTROL &	720 S LYNCHBURG RD	BAYTOWN	29.781231	-95.0619421
		PRAXAIR INC	9408 IH 10 E GATE 6	BAYTOWN	29.735505	-94.9774274
		PRO CARE CHEMICAL INC	2210 W TEXAS AVE	BAYTOWN	29.741992	-94.991667
		RHODIA INC	3439 PARK ST	BAYTOWN	29.748118	-95.00277
			3439 PARK ST	BAYTOWN	29.747835	-94.988813
		S&K TRANSPORTATION LLC	11005 INTERSTATE 10 E STE B	MONT BELVIE	30.527739	-99.8525759
		SAW PIPES USA	5200 E MCKINNEY RD SUITE 100	BAYTOWN	29.752256	-94.940627
		TEXAS EASTERN TRANSMISSION	7704 WEST BAY RD	BAYTOWN		
		TEXAS EASTERN TRANSMISSION	6431 S FM 565 RD	BAYTOWN	29.783114	-94.8787875
		TEXAS OLEFINS COMPANY	4604 W BAKER RD	BAYTOWN	29.772936	-95.0177609
		THERMO FLUIDS INC	1411 FM 565	BAYTOWN	29.716637	-94.953708
		VEOLIA ES TECHNICAL SOLUTIO	1800 S HIGHWAY 146	BAYTOWN	29.714824	-94.983858
		VERTEX RECOVERY LP	7311 DECKER DR	BAYTOWN	29.788231	-95.048083
	WAL-MART DISTRIBUTION CENTE	4554 EAST GREENWOOD DR	BAYTOWN	29.73611	-94.9392016	
	WEST TEXAS DRUM COMPANY LT	8950 FM 1405 RD	BAYTOWN	29.688681	-94.913712	
	TXAST	AIR PRODUCTS BAYTOWN PLANT	5503 W BAKER RD	BAYTOWN	29.769455	-95.0256133
		BAY AREA AVIATION	15111 LAKEVIEW DR	BAYTOWN	29.763788	-94.8488734
			15111 LAKEVIEW DR	BAYTOWN	29.763788	-94.8488734
		BAYER CORPORATION	8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
		BAYLAND MARINA	2651 HWY 146 N	BAYTOWN	29.710131	-94.995818
			2651 HWY 146 N	BAYTOWN	29.710131	-94.995818
		BAYLAND PARK MARINA	2601 S HWY 146	BAYTOWN	29.712842	-95.0031131
			2601 S HWY 146	BAYTOWN	29.712842	-95.0031131
		BAYTOWN FACILITY	5206 WADE RD	BAYTOWN	29.777805	-95.01534
		BAYTOWN LANDFILL	4791 TRI CITY BEACH RD	BAYTOWN	29.722972	-94.9544607
		BAYTOWN SAND & CLAY	16327 FM 2354	BAYTOWN	29.722972	-94.9544607
			16327 FM 2354	BAYTOWN	29.722972	-94.9544607
		BAYTOWN TERMINAL	10850 E INTERSTATE 10	BAYTOWN	29.790286	-95.0544831
			10850 E INTERSTATE 10	BAYTOWN	29.790286	-95.0544831
		BAYTOWN WEST CENTRAL OFFI	6002 BAKER RD	BAYTOWN	29.769379	-95.031832



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	TXLUST	A & Z FOOD STORE	810 W TEXAS AVE	BAYTOWN	29.735565	-94.977091
		ABANDONED SERVICE STATION	425 W MAIN ST	BAYTOWN	29.721617	-94.975676
		AIRCO CARBON DIOXIDE	100 AIRHART	BAYTOWN	29.74202	-94.99274
		ANGELS GAS & GROCERY	3209 HWY 146	BAYTOWN	29.770229	-94.916674
			7119 BAYWAY DR	BAYTOWN	29.769201	-95.031818
		B DARLENE HALL	11010 TRI CITY RD	BEACH CITY	29.6733	-94.8756
		BAYTOWN CONVENIENCE STORE	2009 WARD RD	BAYTOWN	29.740411	-94.941541
		BAYTOWN MOTORS INC	700 W TEXAS AVE	BAYTOWN	29.735054	-94.975492
		BAYTOWN SERVICE CENTER	333 WARD RD	BAYTOWN	29.741779	-94.960626
		BAYTOWN WAREHOUSE	200 E REPUBLIC	BAYTOWN	29.729146	-94.966641
		CHEVRON 171535	5027 GARTH RD	BAYTOWN	29.778371	-94.977517
		CHEVRON 60108277	2610 HWY 146	BAYTOWN	29.770296	-94.916757
		CITY BAYTOWN POLICE DEPT	3200 N MAIN	BAYTOWN	29.756452	-94.963707
		CITY BAYTOWN SERVICE CENTE	1200 LEE DR	BAYTOWN	29.725141	-94.978938
		DIAMOND SHAMROCK	220 W MAIN	BAYTOWN	29.722373	-94.973746
		ECOL 9067	10402 IH 10	MONT BELVIE	0	0
		ELEVEN FOOD STORE	2110 N ALEXANDER	BAYTOWN	29.74391	-94.950549
		ENTERPRISE TRANSPORTATION	5206 WADE RD	BAYTOWN	29.777065	-95.016233
		EXXON 6 1469	4300 DECKER DR	BAYTOWN	29.769401	-95.011729
		EXXON 6 2881	2401 GARTH RD	BAYTOWN	29.748969	-94.976988
		EXXON 6 4935	10404 IH 10	BAYTOWN	29.82117	-94.909872
		EXXON 6 4977	717 W MAIN ST	BAYTOWN	29.720648	-94.978579
		EXXON 61602	6203 DECKER DR	BAYTOWN	29.782662	-95.031985
		EXXON 61894	3000 DECKER	BAYTOWN	29.755804	-94.995536
		EXXON 64607	518 PARK ST	BAYTOWN	29.746685	-94.971245
		EXXON 64969	1 W TEXAS AVE	BAYTOWN	29.732401	-94.967668
		EXXON 67686	2707 MARKET ST	BAYTOWN	29.727203	-95.000993
		EXXON BAYTOWN REFINERY	2800 DECKER DR	BAYTOWN	29.755468	-94.994893
		EXXON CHEMICALS BAYTOWN PL	5000 BAYWAY DR	BAYTOWN	29.7359	-95.0238
		EXXON CO USA	1602 N ALEXANDER	BAYTOWN	29.7404	-94.9534
		EXXON STATION 61845	101 S ALEXANDER	BAYTOWN	29.729	-94.9584
		FOOD TOWN SHOPPING CENTER	1700 DECKER DR	BAYTOWN	29.740369	-94.98035
		FORMER NCS	2512 WARD RD	BAYTOWN	29.741279	-94.934554
		FORMER NCS 1219	1212 TEXAS AVE	BAYTOWN	29.728575	-94.955487
		FORMER SERVICE STATION	423 W TEXAS	BAYTOWN	29.733792	-94.971785
		FORMER THRIFTY OIL & DEES GA	722 PARK ST	BAYTOWN	29.746725	-94.975339
		FULLERS PUBLIC STORAGE	913 S MAIN ST	BAYTOWN	29.7264	-94.970313
		GTE BAYTOWN WEST	6002 BAKER RD	BAYTOWN	29.769406	-95.031692
		GULF OIL	1021 DECKER	BAYTOWN	29.738142	-94.978796
		HL & P BAYTOWN SERVICE CEN	333 WARD	BAYTOWN	29.741779	-94.960626
		HOOPER SERVICE STATION	2310 N ALEXANDER	BAYTOWN	29.745557	-94.949158
		HOUSTON MARINE SERVICES INC	850 S LYNCHBURG RD	BAYTOWN	29.76733	-95.068847
		JACKS GROCERY	7120 BAYWAY DR	BAYTOWN	29.768927	-95.031722
		JACKS GROCERY 3	7120 BAYWAY DR	BAYTOWN	29.768927	-95.031722
		JIMMYS AUTO REPAIR	2001 N PRUETT	BAYTOWN	29.746311	-94.972573
		JONS MART DIAMOND SHAMROC	605 E TEXAS AVE	BAYTOWN	29.730338	-94.961333
		KL & P FOOD STORE	1104 N ALEXANDER	BAYTOWN	29.7366	-94.9552
KMART 4013	1801 N PRUETT ST	BAYTOWN	29.745781	-94.972423		
MAPCO EXPRESS 3168	1901 IH 10 RD	BAYTOWN	29.799444	-95.026614		
MILES INC	8405 W BAY RD	BAYTOWN	29.699473	-94.913452		

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE		
<b>77520</b>	TXLUST	MOBIL 12264	7100 GARTH RD	BAYTOWN	29.80412	-94.981473		
		MOBIL STATION 12L3H	410 ALEXANDER DR	BAYTOWN	29.727	-94.9595		
		MOORE SUPPLY CO	1108 CEDAR BAYOU BLVD	BAYTOWN	29.749728	-94.951164		
		PLANT 7	4008 N HWY 146	BAYTOWN	29.770339	-94.916704		
		RICKYS AUTO AIR	2721 N ALEXANDER	BAYTOWN	29.74896	-94.946347		
		SCHOTTS BAKERY INC	1211 AIRHART RD	BAYTOWN	0	0		
		SOUTHERN SALES PLUMBING	3203 N MAIN ST	BAYTOWN	29.756897	-94.963778		
		STOP N GO 3587	1701 N MAIN	BAYTOWN	29.744254	-94.96354		
		STOP N GO 2075	1516 ALEXANDER	BAYTOWN	29.7397	-94.9539		
		STOP N GO 2201	3000 BAKER RD	BAYTOWN	29.771014	-94.99502		
		STOP N GO 2638	3525 GARTH RD	BAYTOWN	29.760203	-94.977178		
		STOP N GO MARKETS 10	2219 HWY 201	BAYTOWN	29.7468	-94.9864		
		STOP N GO MARKETS 1231	2401 MASEY TOMPKINS	BAYTOWN	29.765785	-94.939529		
		SUNMART 400	10330 IH 10	BAYTOWN	29.8209	-94.9151		
		TEXAS GAS	7735 DECKER DR	BAYTOWN	29.7908	-95.0513		
		TRI CITY BEACH GROCERY	6100 TRI CITY BEACH RD	BAYTOWN	0	0		
		TUNEUP MASTERS 923	1615 N ALEXANDER	BAYTOWN	29.7404	-94.9534		
		VACANT BLDG	1800 N ALEXANDER	BAYTOWN	29.7421	-94.952		
		WILLIAMS TRAVEL CENTERS 316	1901 E IH 10	BAYTOWN	29.799444	-95.026614		
		YOUNG PLBG & HTG CO INC	301 N COMMERCE	BAYTOWN	29.734859	-94.967742		
		TXSPILL			850 S Lynchburg Rd	Baytown	29.76733	-95.068847
					850 S Lynchburg Rd	Baytown	29.76733	-95.068847
				Advanced Aromatic Chemical	Advanced Aromatic Chemical, 5501 Ba	Baytown		
					Advanced Aromatic Chemical, 5501 Ba	Baytown		
					Advanced Aromatic Chemical,5501 Bak	Baytown		
					ADVANCED AROMATICS,5501 Baker	Baytown		
					Baytown	Baytown	29.70649	-95.01591
					flare line	Baytown		
					General Delivery	Baytown	29.751	-94.9553
					SETTEGAST RAILYARD, TRACK 4	Baytown		
					Tanks 301,302 and 303	Baytown		
				Advanced Aromatics	5501 W Baker Rd	Baytown	29.769287	-95.02627
				5501 W Baker Rd	Baytown	29.769287	-95.02627	
				Tank farm, Advanced Aromatics, 5501	Baytown			
		ADVANCED AROMATICS LP	5501 Baker Rd, Baytown, TX	BAYTOWN	29.769422	-95.0255549		
			5501 Baker Rd, Baytown, TX	BAYTOWN	29.769422	-95.0255549		
		AETS	Baytown facility	Baytown				
		AIR PRODUCTS LLC	5503 West Baker Rd	BAYTOWN	0	0		
		Air Products-Baytown	Air Products, 8524 West Bay Road, Bay	Baytown				
			at plant at 8524 West Bay Rd in Baytow	Baytown				
			BAYTOWN HYCO	Baytown				
			BAYTOWN HYCO	Baytown				
			BAYTOWN HYCO	Baytown				
			BAYTOWN HYCO	Baytown				
			Baytown hyco west bay rd.	Baytown				
			Baytown HYCO, West Bay Rd.	Baytown				
		BAYTOWN HYCO, WEST BAY ROAD	Baytown					
		customer has problems	Baytown					
		FLARE	Baytown					
		General Delivery	Baytown	29.751	-94.9553			

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
77520	TXSPILL	Air Products-Baytown	General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			HYCO	Baytown			
			HYCO WEST BAY RD.	Baytown			
			HYCO WEST BAY ROAD	Baytown			
			HYCO, West Bay Road plant, Baytoown	Baytown			
			MAIN COMPRESSOR.	Baytown			
			outfall #2	Baytown			
			Power Plant	Baytown			
			Process NG at 8524 West Bay Road pla	Baytown			
			AIRCO	AIRCO, SOUTHSIDE OF PLANT	BAYTOWN		
			American Caribbean	823 S Pruett St	Baytown	29.728393	-94.975082
		ASHLAND CHEMICAL	ON CO. PROPERTY	BAYTOWN			
		Bayer	General Delivery	Baytown	29.751	-94.9553	
		Bayer Corp.	8500 Fm 1405 Rd	Baytown	29.69853	-94.913266	
			HCL INCINERATOR	BAY TOWN			
		Bayer Corp.-Baytown	General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0	
			NEAR BAYTOWN LAPORTE TUNNEL	BAYTOWN			
			General Delivery	Baytown	29.751	-94.9553	
			200 ATLANTIC PIPE LINE ROAD	BAYTOWN	0	0	
			General Delivery	Baytown	29.751	-94.9553	
			Channel Shipyard,999 S Lynchburg Rd.,	Baytown	29.76709	-95.070519	
			999 S Lynchburg Rd, Baytown, TX	BAYTOWN	0	0	
			1217 S Alexander Dr	Baytown	29.723279	-94.969296	
			EXIT 848 ON IH-10, BEAUMONT	BAYTOWN	29.7831	-94.9307	
			WASTE OIL TANK AREA @ FACILITY	BAYTOWN			
			3 MI. W OF TAYLOR BAYOU BRIDGE	BAYTOWN			
			8000 BLOCK OF FAIRMONT, DEER P	BAYTOWN			
			9420 KNIGHT ROAD,HOUSTON	BAYTOWN			
			DEEP WELL AREA @ PORT ARTHUR	BAYTOWN			
			FACILITY AT ABOVE LOCATION	BAYTOWN			
			General Delivery	Baytown	29.751	-94.9553	
			HWY 146 @ SPUR 155 (SOUTH OF IN	BAYTOWN	29.728913	-94.958559	
			IH-45 AT STREETMAN EXIT, STREET	BAYTOWN			
			ON HWY 73 APPROXIMATELY 9 MI.	BAYTOWN			
			RAMADA INN ON IH 10 IN ORANGE	BAYTOWN	29.7831	-94.9307	
			TERRY'S RESTAURANT PARKING LO	BAYTOWN			
			TRANSPORTATION YARD	BAYTOWN			
			1800 HIGHWAY 146, RIGHT BEHIND T	BAYTOWN	29.770471	-94.91656	
			CWM,1800 SO. HWY 146, BAYTOWN,	BAYTOWN			
			PROCESS AREA, CONCRETE POND,	BAYTOWN	29.8556	-94.916	



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
77520	TXSPILL	Enichem Elastomers	FLARE SYSTEM, BAYTOWN	Baytown		
			plant flare,Enichem Elastomers,4803 D	Baytown	29.776826	-95.019118
		ENICHEM ELASTOMERS AMERICA	MONOMER AREA, T-9211.ENICHEM	BAYTOWN		
		ENTERPRISE PRODUCTS OPERA	MONT BELVIEU RAIL RACK	BAYTOWN	0	0
		EPCO INC	5206 Wade Road, Baytown, TX	BAYTOWN	0	0
			5206 Wade Road, Baytown, TX	BAYTOWN	0	0
		EQUISTAR PIPELINE OPERATION	GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0
		Exxon	2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr	Baytown	29.755468	-94.994893
			2800 Decker Dr # 77520	Baytown	29.755468	-94.994893
			5 MI SOUTH OF CONROE ON HWY 30	BAYTOWN	29.755468	-94.994893
			5000 Bayway Dr	Baytown	29.7359	-95.0238
			BAYTOWN REFINERY	BAYTOWN	29.755468	-94.994893
			BAYTOWN REFINERY	BAYTOWN	29.755468	-94.994893
			BAYTOWN REFINERY	BAYTOWN	29.755468	-94.994893
			BAYTOWN REFINERY - TANK 849	BAYTOWN	29.755468	-94.994893
			BAYTOWN REFINERY TANK 753, EXX	BAYTOWN	29.755468	-94.994893
			BAYTOWN REFINERY WEST SIDE O	BAYTOWN	29.755468	-94.994893
			BLACK DUCK BAY, BAYTOWN	BAYTOWN	29.755468	-94.994893
			CLEAR LAKE OIL FIELD	BAYTOWN	29.755468	-94.994893
			EXXON 2800 DECKER DR. BAYTOWN	BAYTOWN	29.755468	-94.994893
			EXXON BAYTOWN REFINERY	BAYTOWN	29.755468	-94.994893
			EXXON BAYTOWN REFINERY	BAYTOWN	29.755468	-94.994893
			EXXON BAYTOWN REFINERY, 2800	BAYTOWN	29.755468	-94.994893
			EXXON DOCKS	BAYTOWN	29.755468	-94.994893
			EXXON REFINERY	BAYTOWN	29.755468	-94.994893
			EXXON REFINERY 2800 DECKER DR.	BAYTOWN	29.755468	-94.994893
			EXXON REFINERY DOCK	BAYTOWN	29.755468	-94.994893
			EXXON REFINERY DOCK	BAYTOWN	29.755468	-94.994893
			EXXON REFINERY,2800 DECKER, BA	BAYTOWN	29.755468	-94.994893
			EXXON TERMINALS NO.2 DOCK ON	BAYTOWN	29.755468	-94.994893
			Exxon, Baytown	Baytown	29.755468	-94.994893
			HOUSTON SHIP CHANNEL DOCK #2,	BAYTOWN	29.76057	-95.003569
			HOUSTON SHIP CHANNEL LAT 29.43	BAYTOWN	29.755468	-94.994893
			MM 379 ON HOUSTON SHIP CHANNE	BAYTOWN	29.755468	-94.994893
			MM 379 ON HOUSTON SHIP CHANNE	BAYTOWN	29.755468	-94.994893
			OUTFALL 002 BAYTOWN REFINERY	BAYTOWN	29.755468	-94.994893
			REFINERY DOCK ON HSC	BAYTOWN	29.755468	-94.994893
	SCV-2 UNIT @ FACILITY AT ABOVE L	BAYTOWN	29.755468	-94.994893		
	TANK 494 AT EXXON BAYTOWN REF	BAYTOWN	29.755468	-94.994893		
	TANK FARM @ EXXAO, 2800 DECKE	BAYTOWN	29.755468	-94.994893		
	TANKS 48 AND 50 AT FACILITY AT A	BAYTOWN				
	UNKNOWN, EXXON BAYTOWN DOC	BAYTOWN	29.755468	-94.994893		
	EXXON - BAYTOWN	#1 DOCK EXXON REFINING BAYTOW	BAYTOWN			
		#1 DOCK EXXON REFINING BAYTOW	BAYTOWN			
	EXXON BAYTOEN REFINERY	EXXON BAYTOWN REFINERY, BARG	BAYTOWN			
	EXXON BAYTOWN	2800 Decker Dr # 4	Baytown	29.755468	-94.994893	

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
<b>77520</b>	TXSPILL	EXXON BAYTOWN	2800 Decker Dr # SO2	Baytown	29.755468	-94.994893	
			3525 Decker Dr	Baytown	29.760925	-95.004078	
			IN REFINERY NORTH OF TIGER GIN-	BAYTWON			
			TANK CAR LOADING RACK 2A, BAYT	BAYTOWN			
		EXXON BAYTOWN CHEMICAL PLA	5000 Bayway Drive	BAYTOWN	29.748729	-95.0314549	
			5000 Bayway Drive	BAYTOWN	0	0	
		EXXON BAYTOWN REFINERY	2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 Decker Dr, Baytown, TX	BAYTOWN	0	0	
			BAYTOWN-JUST WEST OF HWY 201	BAYTOWN			
			THE OIL MOVEMENT AREA AT THE B	BAYTOWN			
			TURBO FILTER D-5 AT EXXON, BAYT	BAYTOWN			
		EXXON BAYTOWN REFINING	2800 Decker Dr	Baytown	29.755468	-94.994893	
		EXXON CHEMICAL	3525 Decker Dr # 77522	Baytown	29.760925	-95.004078	
			C2K 12A AT 3525 DECKER DRIVE, BA	BAYTOWN			
			EXXON REFINERY, BAYTOWN, TEX.	BAYTOWN			
		Exxon Chemical - Baytown	3525 Decker Dr	Baytown	29.760925	-95.004078	
			3525 Decker Dr	Baytown	29.760925	-95.004078	
			3525 Decker Dr	Baytown	29.760925	-95.004078	
			3525 Decker Dr # 77522	Baytown	29.760925	-95.004078	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
		EXXON CHEMICAL CO,	General Delivery	Baytown	29.751	-94.9553	
		EXXON CHEMICAL CO.	SHEEN SITED ON RETENTION PON	BAYTOWN			
		EXXON CO USA	2800 Decker Dr	Baytown	29.755468	-94.994893	
			BAYTOWN EXXON REFINERY FROM	BAYTOWN			
			EXXON BAYTOWN @ TOWER #7 RE	BAYTOWN			
		EXXON CO. U.S.A.	EXXON DOCKS	BAYTOWN			
		EXXON CO. USA	#1 DOCK BAYTOWN REFINERY	BAYTOWN			
			#1 DOCK, BAYTOWN REFINERY	BAYTOWN			
			2800 Decker Dr	Baytown	29.755468	-94.994893	
			2900 Decker Dr	Baytown	29.755602	-94.995149	
			2900 Decker Dr	Baytown	29.755602	-94.995149	
			EXXON DOCKS, BAYTOWN TUGBOA	BAYTOWN			
			EXXON DOCKS-BAYTOWN TUGBOA	BAYTOWN			
			EXXON REFINERY, BAYTOWN TX. TA	BAYTOWN			
		EXXON CO. USA, BAYTOWN REFI	667 TANK, EXXON BAYTOWN	BAYTOWN			
		EXXON CO. USA.	2800 Decker Dr	Baytown	29.755468	-94.994893	
		EXXON CO. USA. - BAYTOWN	EXXON BAYTOWN DOCK	BAYTOWN			
		EXXON COMPANY	PIPE RACK @ FACILITY AT ABOVE L	BAYTOWN			
			PIPELINE WHICH PREVIOUSLY DRAI	BAYTOWN			
		Exxon Company - Baytown	2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 Decker Dr	Baytown	29.755468	-94.994893	
			76 E Lobit St	Baytown	29.736728	-94.96495	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
	General Delivery	Baytown	29.751	-94.9553			

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
77520	TXSPILL	Exxon Company - Baytown	General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
		Exxon Company - Baytown-Refinery	General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
		EXXON COMPANY USA	2800 Decker Dr # 77522	Baytown	29.755468	-94.994893	
			2800 Decker Dr, Baytown, TX	BAYTOWN	0	0	
			BAYTOWN, EXXON REFINERY FROM	BAYTOWN			
			BAYTOWN-W OF HWY 201 & S OF H	BAYTOWN			
			FACILITY AT ABOVE LOCATION	BAYTOWN			
			FISHERS REEF ISLAND IN ANAHUAC	BAYTOWN			
			TANK #667 @ FACILITY AT ABOVE L	BAYTOWN			
			EXXON COMPANY, USA	2900 Decker Dr # 2	Baytown	29.755602	-94.995149
			EXXON CORP BAYTOWN REFINERY	EXXON CORP BAYTOWN REFINERY	BAYTOWN		
			EXXON CORPORATION	BAYTOWN-N OF BLACK DUCK BAY	BAYTOWN		
				EXXON REFINERY DOCKS, BAYTOW	BAYTOWN		
				EXXON WELL #76 IN CLEAR LAKE OI	BAYTOWN		
			EXXON FREINERY	DOCK #5, BAYTOWN REFINERY	BAYTOWN		
			EXXON MARINE	PAKTANK #2 BARGE DOCK	BAYTOWN		
				PIER 14, GALVESTON	BAYTOWN		
			EXXON MARINE DEPT.	BAYTOWN DOCKS - EXXON	BAYTOWN		
				CITY DOCK #21, HOUSTON	BAYTOWN		
		EXXON MOBIL CORPORATION	--- 10404 I-10 HWY 146, BAYTOWN, T		29.850273	-94.8957874	
			10404 IH 10 E, Baytown, TX	BAYTOWN	0	0	
			10404 IH 10 E, Baytown, TX	BAYTOWN	0	0	
			2800 DECKER DR	BAYTOWN	29.754664	-94.9934167	
			2800 DECKER DR	BAYTOWN	29.754664	-94.9934167	
			2800 DECKER DR	BAYTOWN	29.754664	-94.9934167	
			2800 DECKER DR	BAYTOWN	29.754664	-94.9934167	
			2800 DECKER DR	BAYTOWN	29.754664	-94.9934167	
2800 DECKER DR	BAYTOWN		29.754664	-94.9934167			
2800 DECKER DR	BAYTOWN		29.754664	-94.9934167			
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167			
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167			
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167			
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167			
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167			
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167			
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167			
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167			

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	TXSPILL	EXXON MOBIL CORPORATION	2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
			2800 Decker Dr, Baytown, TX	BAYTOWN	0	0
			2800 Decker Dr, Baytown, TX	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			5000 Bayway Drive	BAYTOWN	29.748729	-95.0314549
			5000 Bayway Drive	BAYTOWN	29.748729	-95.0314549
			GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0
			GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0
			GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0
			EXXON OIL	EXXON REFINERY SLIP - BAYTOWN	BAYTOWN	
			EXXON PRODUCTION	B.A. WHITCOMB LEASE, FRENDSWO	BAYTOWN	
				J.E. BROUSSARD ACCOUNT 2, ANAH	BAYTOWN	
				LIVINGSTON FIELD, C.B. GRANBURY	BAYTOWN	
				TURKEY CREEK, W. OF I-45/S. OF EL	BAYTOWN	
			EXXON PRODUCTION CO.	4mi. S. OF ELLINGTON FIELD	BAYTOWN	
			EXXON PRODUCTION COMPANY	EXXON POINT BARROW TERMINAL	BAYTOWN	
			EXXON REFINERY	AT CHANNEL (OUTFALL CANAL)	BAYTOWN	
	BAYTOWN-WEST OF HWY 201 AND	BAYTOWN				
	DITCH BETWEEN AIRHART AND SAN	BAYTOWN				
	DOCK #1	BAYTOWN				
	DOCK #2, BERTH #3 @ BAYTOWN R	BAYTOWN				
	DOCK #7	BAYTOWN				
	EARTHEN DRAINAGE DITCH THAT	BAYTOWN				
	EXXON DOCK	BAYTOWN				
	EXXON REFINERY, 2800 DECKER D	BAYTOWN	29.755468 -94.994893			
	FACILITY AT ABOVE LOCATION	BAYTOWN				
EXXON REFINERY - BAYTOWN	2800 Decker Dr # 347	Baytown	29.755468 -94.994893			
	2800 Decker Dr # 347	Baytown	29.755468 -94.994893			
EXXON REFINERY USA	EXXON DOCK AREA	BAYTOWN				
Exxon Refining	2800 Decker Dr	Baytown	29.755468 -94.994893			

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
<b>77520</b>	TXSPILL	Exxon Refining	2800 Decker Dr	Baytown	29.755468	-94.994893	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
				TANK 704, BAYTOWN REFINERY	BAYTOWN		
		Exxon Refining -Baytown	2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 Decker Dr	Baytown	29.755468	-94.994893	
			2800 Decker Dr	Baytown	29.755468	-94.994893	
			2900 Decker Dr # 8	Baytown	29.755602	-94.995149	
			2900 Decker Dr # 8	Baytown	29.755602	-94.995149	
			2900 Decker Dr # 8	Baytown	29.755602	-94.995149	
			EXXON SHIPPING CO.	KOCH REFINERY'S #8 DOCK ON CO	BAYTOWN		
			EXXON U.S.A. PRODUCTION	W. side (50') of Red Bluff Rd., Pasaden	BAYTOWN		
			EXXON U.S.A. REFINERY	DOCK #7	BAYTOWN		
			EXXON DOCKS	BAYTOWN			
			EXXON'S DOCK	BAYTOWN			
			EXXON'S DOCK	BAYTOWN			
			EXXON'S DOCK	BAYTOWN			
			EXXON'S DOCK	BAYTOWN			
			EXXON'S DOCK	BAYTOWN			
		EXXON USA	INSIDE FIRE WALL AT PUMP SLAB #	BAYTOWN			
			TANK #1202 @ EXXON BAYTOWN, 28	BAYTOWN			
			WEST OF TANKS #844 AND #846 AT	BAYTOWN			
		EXXON USA REFINERY	EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK	BAYTOWN			
			EXXON DOCK #6	BAYTOWN			
EXXON DOCK AREA	BAYTOWN						
EXXON DOCK AREA	BAYTOWN						
EXXON DOCK AREA	BAYTOWN						
EXXON DOCK AREA	BAYTOWN						
EXXON DOCK AREA	BAYTOWN						
EXXON DOCKS	BAYTOWN						
EXXON DOCKS	BAYTOWN						
EXXON DOCKS	BAYTOWN						
EXXON DOCKS	BAYTOWN						
EXXON DOCKS	BAYTOWN						
EXXON SHIP DOCK	BAYTOWN						
EXXON'S DOCK	BAYTOWN						
EXXON'S DOCK #2, BERTH #4,	BAYTOWN						

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
77520	TXSPILL	EXXON USA REFINERY	EXXON'S RETENTION BASIN	BAYTOWN		
			OUTFALL 002 CANAL	BAYTOWN		
			REFINERY DOCK	BAYTOWN		
			REFINERY DOCKS	BAYTOWN		
		Exxon/Mobile Chemical - Baytown	General Delivery	Baytown	29.751	-94.9553
			General Delivery	Baytown	29.751	-94.9553
		Exxon/Mobile Refinery - Baytown	General Delivery	Baytown	29.751	-94.9553
			General Delivery	Baytown	29.751	-94.9553
		EXXONMOBIL CHEMICAL COMPA	3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
			5000 Bayway Drive	BAYTOWN	29.748729	-95.0314549
		5000 Bayway Drive	BAYTOWN	29.748729	-95.0314549	
		5000 Bayway Drive	BAYTOWN	0	0	
		5000 Bayway Drive	BAYTOWN	0	0	
		5000 Bayway Drive	BAYTOWN	0	0	
		5000 Bayway Drive	BAYTOWN	0	0	
		5000 Bayway Drive	BAYTOWN	0	0	
		5000 Bayway Drive	BAYTOWN	0	0	
		5000 Bayway Drive	BAYTOWN	0	0	
		5000 Bayway Drive	BAYTOWN	0	0	
		EXXONMOBIL OIL CORPORATION	2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
		EXXONMOBIL PRODUCTION COM	3525 Decker Drive, Baytown 77520	BAYTOWN	0	0
		EXXONMOBIL REFINING & SUPPL	2800 DECKER DR	BAYTOWN	29.754664	-94.9934167
			2800 DECKER DR	BAYTOWN	29.754664	-94.9934167
			2800 DECKER DR	BAYTOWN	29.754664	-94.9934167
2800 DECKER DR	BAYTOWN		29.754664	-94.9934167		
2800 DECKER DR	BAYTOWN		29.754664	-94.9934167		
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167		
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167		
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167		
2800 Decker Dr, Baytown, TX	BAYTOWN		29.754664	-94.9934167		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		
2800 Decker Dr, Baytown, TX	BAYTOWN		0	0		



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
77520	TXSPILL	GENERIC INCIDENT PRINCIPAL	GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0
		GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0	
		GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0	
		GENERIC INCIDENT ZIP CODE 77520	BAYTOWN	0	0	
		GTE	FACILITY AT ABOVE ADDRESS	BAYTOWN		
		HLP	CEDAR BAYOU POWER PLANT, SHE	CEDAR BAYO		
		HOUSTON LIGHTING & POWER	IN CEDAR BAYOU NEAR FACILITY F	BAYTOWN		
		HOUSTON LIGHTING & POWER C	CEDAR BAYOU STATION, SUMP NEA	ELDON		
		HOUSTON MARINE SERVICE	General Delivery	Baytown	29.751	-94.9553
		HOUSTON MARINE SERVICES	CROSBY/LYNCHBURG ROAD	BAYTOWN		
			transfer hose	Baytown		
		HUMBLE OIL & REFINING CO.	HUMBLE OIL & REFINING CO., FRIEN	BAYTOWN		
		HUMBLE OIL & REFINING CO.	HUMBLE OIL SHIPPING DOCKS	BAYTOWN		
		HUMBLE OIL AND REFINING	HUMBLE REFINERY DOCK #5	BAYTOWN		
		HYDROCHEM INDUSTRIAL SERVI	2800 Decker Dr, Baytown, TX	BAYTOWN	29.754664	-94.9934167
		INMAN SERVICE CO.	201 N Main St	Baytown	29.733905	-94.967099
		INMAN SERVICE COMPANY	INMAU SERVICE COMPANY,NORTH	BAYTOWN	29.73382	-94.96708
		J.M. HUBER	CO. PROPERTY, S. OF IH10, W. OF C	BAYTOWN	29.810806	-94.93375
		Jack's Grocery	leaking fuel pump at Jack's Grocery, 28	Baytown		
		JINDAL UNITED STEEL CORPORA	3 MI SOUTHEAST OF INTERSECTION	BAYTOWN	0	0
		KIRBY INLAND MARINE LP	3525 Decker Drive, Baytown 77520	BAYTOWN	29.761715	-95.0050498
			999 S Lynchburg Rd, Baytown, TX	BAYTOWN	0	0
		KOCH MATERIALS	1220 S Airhart Dr	Baytown	29.730843	-95.001139
			General Delivery	Baytown	29.751	-94.9553
		LANXESS CORPORATION	West side of Chambers county next to C	BAYTOWN	0	0
		LCY ELASTOMERS LP	4803 Decker Drive	BAYTOWN	0	0
		LOVE STOP #206	General Delivery	Baytown	29.751	-94.9553
		M.A.C. TRUCKING	General Delivery	Baytown	29.751	-94.9553
		MATLACK CORP.	HOUSTON-HIDDEN VALLEY-HWY 45	BAYTOWN		
		MATLACK INC	GIBRALTER FENCE CO, 4901 LANGL	BAYTOWN		
		MATLACK TRUCKING COMPANY	HOUSTON-1220 LUMPKIN-JUST N OF	BAYTOWN		
		MILES INC.	General Delivery	Baytown	29.751	-94.9553
		MILES CORPORATION	COATINGS UNIT AREA 130, MILES F	BAYTOWN		
		MILES INC.	BAYTOWN PLANT,8500 WEST BAY R	BAYTOWN		
		Mobay	8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			8500 Fm 1405 Rd	Baytown	29.69853	-94.913266
			FACILITY AT ABOVE LOCATION	BAYTOWN	29.69853	-94.913266
			IN ETHYLENE GLYCOL UNIT, MOBAY	BAYTOWN	29.69853	-94.913266
		MOBAY CHEMICAL	FACILITY AT ABOVE LOCATION	BAYTOWN		
		MOBAY CHEMICAL CO.	MOBAY CHEMICAL CO. OUTFALL	BAYTOWN		
		MOBAY CORP	FACILITY AT ABOVE LOCATION	BAYTOWN		
			OFF ROUTE 146, MOBAY SITE ON BA	BAYTOWN		
			PIPERACK @ INTERSECTION B ST A	BAYTOWN		
		MOBAY CORPORATION	INTERSECTION OF FM 1410 & IH-10	BAYTOWN		
			SHIPPING AREA @ FACILITY AT ABO	BAYTOWN		
		Mobely Environmental Services	FLARE #2	Baytown		
			Flare F-2	Baytown		
			I-10 EAST, MILE MARKER 795.	Baytown		
			Process flae	Baytown		
			PROCESS FLARE, BAYTOWN	Baytown		



**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
<b>77520</b>	TXSPILL	TRANSMONTAIGNE PRODUCT SE	850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			850 S LYNCHBURG RD	BAYTOWN	0	0	
			U S FILTER RECOVERY SERVICE	DOYLE'S AUTO REPAIR, 208 W SOU	Baytown		
			DOYLE'S AUTO REPAIR, 208 W SOU	Baytown			
		UNION CARBIDE	TRANSFER LINE AT BUILDING 248, U	TEXAS CITY			
		UNKNOWN	707 N Jones St	Baytown	29.738296	-94.969299	
		US Denro Steels	LOADING AREA	Baytown			
		US FILTER	US FILTER,4401 E GREENWOOD,BA	BAYTOWN			
		US Filter Recovery Services	General Delivery	Baytown	29.751	-94.9553	
		US Filter Recovery Services	4415 E Greenwood St	Baytown	29.7217	-94.9154	
		US FILTERS RECOVERY SERVICE	4414 E Greenwood St	Baytown	29.7217	-94.9154	
		USS (Ce-TEX Center)	During demolishion of facility ductwork f	Baytown			
		VINTAGE	9738 Point Barrow Rd	Baytown	29.738924	-94.844041	
		Vintage Petroleum	9238 Point Barrow Rd	Baytown	29.736889	-94.8459	
			CEDAR POINT OIL FIELD	BAYTOWN			
			General Delivery	Baytown	29.751	-94.9553	
			General Delivery	Baytown	29.751	-94.9553	
			INTERSECTION OF TRINITY RIVER C	BAYTOWN			
			JACK'S POCKET, NORTHERN TRINIT	BAYTOWN			
			NEAR TRINITY BAY	Baytown			
			REDFISH REEF (GALVESTON BAY B	BAYTOWN			
			TRINITY BAY	BAYTOWN			
			TRINITY BAY - F1 PLATFORM	BAYTOWN			
			TRINITY BAY FIELD	BAYTOWN			
			TRINITY BAY.	Baytown			
			Vintage Petroleum, 9738 Point Barrow	Baytown			
		VINTAGE PETROLEUM (?)	VINTAGE PETROLEUM, TRINITY BAY	BAYTOWN			
		VINTAGE PETROLEUM CO.	9738 Point Barrow Rd	Baytown	29.738924	-94.844041	
			IN TRINITY BAY IN BLOCK 28B OF GA	BAYTOWN			
			TRINITY BAY AND THE ANAHUAC CH	BAYTOWN			
		VINTAGE PETROLEUM INC.	LAT. 29,44.6N, LONG. 94,46.1W, TRINI	BAYTOWN			
VINTATE PETROLEUM	PIPELINE, TRINITY BAY	BAYTOWN					
WAREHOUSE	General Delivery	Baytown	29.751	-94.9553			
WESTERN TOWING CO	WESTERN TOWING CO,GALVESTON CHANNELVIE						

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	TXSPILL	WORLD RANGER (VESSEL)	EXXON DOCKS ON THE HOUSTON S	BAYTOWN		
	TXUST	7 11 FOOD STORES SWC K AVE	SWC K AVE	BAY CITY	29.588035	-95.5678584
			SWC K AVE	BAY CITY	29.588035	-95.5678584
		ALEX YOUSSEF	6805 BAYWAY	BAYTOWN	29.762436	-95.032298
			6805 BAYWAY	BAYTOWN	29.762436	-95.032298
		ALEXANDER FOOD STORE	2110 N ALEXANDER DR	BAYTOWN	29.743636	-94.950328
			2110 N ALEXANDER DR	BAYTOWN	29.743636	-94.950328
			2110 N ALEXANDER DR	BAYTOWN	29.743636	-94.950328
			2110 N ALEXANDER DR	BAYTOWN	29.743636	-94.950328
			2110 N ALEXANDER DR	BAYTOWN	29.743636	-94.950328
			2110 N ALEXANDER DR	BAYTOWN	29.743636	-94.950328
			2110 N ALEXANDER DR	BAYTOWN	29.743636	-94.950328
		ANGELS GAS & GROCERY	3209 HWY 146	BAYTOWN	29.709654	-95.0089402
			3209 HWY 146	BAYTOWN	29.709654	-95.0089402
			3209 HWY 146	BAYTOWN	29.709654	-95.0089402
			3209 HWY 146	BAYTOWN	29.709654	-95.0089402
		A-Z MART	810 W TEXAS AVE	BAYTOWN	29.735751	-94.977155
			810 W TEXAS AVE	BAYTOWN	29.735751	-94.977155
			810 W TEXAS AVE	BAYTOWN	29.735751	-94.977155
		B DARLENE HALL	11010 TRI-CITY RD	BAYTOWN	29.722972	-94.9544607
			11010 TRI-CITY RD	BAYTOWN	29.722972	-94.9544607
			11010 TRI-CITY RD	BAYTOWN	29.722972	-94.9544607
			11010 TRI-CITY RD	BAYTOWN	29.722972	-94.9544607
		BARROW OIL COMPANY	810 N MAIN ST	BAYTOWN	29.737377	-94.9654869
			810 N MAIN ST	BAYTOWN	29.737377	-94.9654869
			810 N MAIN ST	BAYTOWN	29.737377	-94.9654869
			810 N MAIN ST	BAYTOWN	29.737377	-94.9654869
			810 N MAIN ST	BAYTOWN	29.737377	-94.9654869
			810 N MAIN ST	BAYTOWN	29.737377	-94.9654869
		BAY TEMPERATURE CONTROL	1102 S PRUETT	BAYTOWN	29.726008	-94.975392
			1102 S PRUETT	BAYTOWN	29.726008	-94.975392
		BAYCHEM INTERNATIONAL	7106 N STATE HWY 146	BAYTOWN	29.759184	-94.927331
			7106 N STATE HWY 146	BAYTOWN	29.759184	-94.927331
			7106 N STATE HWY 146	BAYTOWN	29.759184	-94.927331
		BAYSHORE DODGE	2209 MARKET ST	BAYTOWN	29.729468	-94.994017
			2209 MARKET ST	BAYTOWN	29.729468	-94.994017
			2209 MARKET ST	BAYTOWN	29.729468	-94.994017
			2209 MARKET ST	BAYTOWN	29.729468	-94.994017
			2209 MARKET ST	BAYTOWN	29.729468	-94.994017
		BAYTOWN CHEMICAL PLANT	5000 BAYWAY DR	BAYTOWN	29.739936	-95.026331
			5000 BAYWAY DR	BAYTOWN	29.739936	-95.026331
			5000 BAYWAY DR	BAYTOWN	29.739936	-95.026331
			5000 BAYWAY DR	BAYTOWN	29.739936	-95.026331
		BAYTOWN CHEVRON	2911 N ALEXANDER DR	BAYTOWN	29.754469	-94.9424949
			2911 N ALEXANDER DR	BAYTOWN	29.754469	-94.9424949
		BAYTOWN CONVENIENCE STORE	2009 WARD RD	BAYTOWN	29.740065	-94.9418854
			2009 WARD RD	BAYTOWN	29.740065	-94.9418854
			2009 WARD RD	BAYTOWN	29.740065	-94.9418854
			2400 KENTUCKY ST	BAYTOWN	29.723352	-95.000992
			2400 KENTUCKY ST	BAYTOWN	29.723352	-95.000992

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>TXUST</i>	BAYTOWN CONVENIENCE STORE	2400 KENTUCKY ST	BAYTOWN	29.723352	-95.000992
		BAYTOWN FACILITY	5206 WADE RD	BAYTOWN	29.777805	-95.01534
		BAYTOWN FIRE DEPARTMENT	201 E WYE DR	BAYTOWN	29.755726	-94.9659437
		BAYTOWN MAIN CENTRAL OFFIC	301 W PEARCE ST	BAYTOWN	29.732359	-94.9709902
			301 W PEARCE ST	BAYTOWN	29.732359	-94.9709902
			301 W PEARCE ST	BAYTOWN	29.732359	-94.9709902
		BAYTOWN MARKET 1	2900 MARKET ST	BAYTOWN	29.728248	-95.002745
			2900 MARKET ST	BAYTOWN	29.728248	-95.002745
		BAYTOWN MARKET 2	1617 MISSOURI ST	BAYTOWN	29.716603	-94.998325
			1617 MISSOURI ST	BAYTOWN	29.716603	-94.998325
		BAYTOWN MEDICAL CENTER HO	1700 BOWIE SCHOOL DR	BAYTOWN	29.7292	-95.0078451
		BAYTOWN MOTORS	700 W TEXAS AVE	BAYTOWN	29.734671	-94.9754885
			700 W TEXAS AVE	BAYTOWN	29.734671	-94.9754885
		BAYTOWN PIPELINE HEADQUART	DECKER & BAKER RD S	BAYTOWN	29.769854	-95.0133173
			DECKER & BAKER RD S	BAYTOWN	29.769854	-95.0133173
		BAYTOWN SERVICE CENTER	333 WARD RD	BAYTOWN	29.740073	-94.96093
			333 WARD RD	BAYTOWN	29.740073	-94.96093
			333 WARD RD	BAYTOWN	29.740073	-94.96093
		BAYTOWN VALERO	1600 S HIGHWAY 146	BAYTOWN	29.715772	-94.979207
			1600 S HIGHWAY 146	BAYTOWN	29.715772	-94.979207
			1600 S HIGHWAY 146	BAYTOWN	29.715772	-94.979207
			1600 S HIGHWAY 146	BAYTOWN	29.715772	-94.979207
			1600 S HIGHWAY 146	BAYTOWN	29.715772	-94.979207
			1600 S HIGHWAY 146	BAYTOWN	29.715772	-94.979207
		BAYTOWN WEST CENTRAL OFFI	6002 BAKER RD	BAYTOWN	29.769379	-95.031832
			6002 BAKER RD	BAYTOWN	29.769379	-95.031832
		BAYTOWN-LA PORTE TUNNEL	4400 N HIGHWAY 146	BAYTOWN	29.764739	-94.9220878
		BEACH CITY CENTRAL OFFICE	17410 TRI CITY BEACH RD	BEACH CITY	29.686664	-94.9342985
			17410 TRI CITY BEACH RD	BEACH CITY	29.686664	-94.9342985
		BEST STOP 4	1212 E TEXAS AVE	BAYTOWN	29.72806	-94.9549045
			1212 E TEXAS AVE	BAYTOWN	29.72806	-94.9549045
			1212 E TEXAS AVE	BAYTOWN	29.72806	-94.9549045
		BILL HOOD AUTO SALES	501 W TEXAS	BAYTOWN	29.733571	-94.973009
			501 W TEXAS	BAYTOWN	29.733571	-94.973009
			501 W TEXAS	BAYTOWN	29.733571	-94.973009
			501 W TEXAS	BAYTOWN	29.733571	-94.973009
			501 W TEXAS	BAYTOWN	29.733571	-94.973009
			501 W TEXAS	BAYTOWN	29.733571	-94.973009
		BJS MARINA	4733 TRI CITY BEACH RD	BAYTOWN	29.722972	-94.9544607
		BROCKS 4 CORNERS TEX GAS	7735 DECKER DR	BAYTOWN	29.789642	-95.0575327
			7735 DECKER DR	BAYTOWN	29.789642	-95.0575327
			7735 DECKER DR	BAYTOWN	29.789642	-95.0575327
			7735 DECKER DR	BAYTOWN	29.789642	-95.0575327
		C P LEASING	4700 CEDAR BAYOU LYNCHBURG	BAYTOWN	29.783049	-94.9230966
			4700 CEDAR BAYOU LYNCHBURG	BAYTOWN	29.783049	-94.9230966
		CARROLLS BAY GROCERY	9634 FM 2354	BAYTOWN	29.722972	-94.9544607
			9634 FM 2354	BAYTOWN	29.722972	-94.9544607
			9634 FM 2354	BAYTOWN	29.722972	-94.9544607
			9634 FM 2354	BAYTOWN	29.722972	-94.9544607
		CEDAR BAYOU ELECTRIC GENER	1405 FM 1406	BAYTOWN	29.762115	-94.896404

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>TXUST</i>	CENTURY ASPHALT MATERIALS	4008 N HWY 146	BAYTOWN	29.761258	-94.9211119
		CHEMICAL WASTE MANAGEMENT	2201 LEE DR	BAYTOWN	29.715494	-94.9804484
			2201 LEE DR	BAYTOWN	29.715494	-94.9804484
			2201 LEE DR	BAYTOWN	29.715494	-94.9804484
			2201 LEE DR	BAYTOWN	29.715494	-94.9804484
		CHEVRON FAC 108277	2610 HWY 146	BAYTOWN	29.711012	-95.0057855
			2610 HWY 146	BAYTOWN	29.711012	-95.0057855
			2610 HWY 146	BAYTOWN	29.711012	-95.0057855
		CHEVRON PIPE LINE	711 LYNCHBURG RD	BAYTOWN	29.768473	-95.070516
		CHOIS MOBIL	3000 DECKER DR	BAYTOWN	29.756944	-94.995524
			3000 DECKER DR	BAYTOWN	29.756944	-94.995524
			3000 DECKER DR	BAYTOWN	29.756944	-94.995524
			3000 DECKER DR	BAYTOWN	29.756944	-94.995524
			3000 DECKER DR	BAYTOWN	29.756944	-94.995524
		CIRCLE T FOOD STORE	1701 N MAIN ST	BAYTOWN	29.744326	-94.9637229
			1701 N MAIN ST	BAYTOWN	29.744326	-94.9637229
			1701 N MAIN ST	BAYTOWN	29.744326	-94.9637229
			1701 N MAIN ST	BAYTOWN	29.744326	-94.9637229
		CITY OF BAYTOWN	2401 MARKET	BAYTOWN	29.728371	-94.9969603
			3200 N MAIN	BAYTOWN	29.756297	-94.962615
			3200 N MAIN	BAYTOWN	29.756297	-94.962615
			3200 N MAIN	BAYTOWN	29.756297	-94.962615
		CITY OF BAYTOWN FIRE ADM	307 S MAIN	BAYTOWN	29.730306	-94.9686255
		CITY OF BAYTOWN PARK CENTE	1210 PARK	BAYTOWN	29.746752	-94.981714
		CITY OF BAYTOWN SER CENTER	1200 LEE DR	BAYTOWN	29.724819	-94.9789533
			1200 LEE DR	BAYTOWN	29.724819	-94.9789533
			1200 LEE DR	BAYTOWN	29.724819	-94.9789533
			1200 LEE DR	BAYTOWN	29.724819	-94.9789533
			1200 LEE DR	BAYTOWN	29.724819	-94.9789533
		CONOCO TRAVEL PLAZA	10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
			10403 INTERSTATE 10 E	MONT BELVIE	30.527739	-99.8525759
		CONVENIENT SUPER MARKET	7101 SJOLANDER RD	BAYTOWN	29.81292	-94.9386957
			7101 SJOLANDER RD	BAYTOWN	29.81292	-94.9386957
			7101 SJOLANDER RD	BAYTOWN	29.81292	-94.9386957
			7101 SJOLANDER RD	BAYTOWN	29.81292	-94.9386957
			7101 SJOLANDER RD	BAYTOWN	29.81292	-94.9386957
		COVE COUNTRY STORE	6013 S FM 565 RD	BAYTOWN	29.809089	-94.8337037

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	TXUST	COVE COUNTRY STORE	6013 S FM 565 RD	BAYTOWN	29.809089	-94.8337037
			6013 S FM 565 RD	BAYTOWN	29.809089	-94.8337037
			6013 S FM 565 RD	BAYTOWN	29.809089	-94.8337037
		CRAWDADS 6	8110 N FM 565 RD	COVE	29.861991	-94.818079
			8110 N FM 565 RD	COVE	29.861991	-94.818079
			8110 N FM 565 RD	COVE	29.861991	-94.818079
		CROW SUPER STORE	5918 BAYWAY DR	BAYTOWN	29.751907	-95.035543
			5918 BAYWAY DR	BAYTOWN	29.751907	-95.035543
		CWA LYNCHBURG PUMPING STA	908 S LYNCHBURG RD	BAYTOWN	29.767258	-95.0692628
		DILLONS LIQUOR	6729 N HIGHWAY 146	BAYTOWN	29.795219	-94.9078487
			6729 N HIGHWAY 146	BAYTOWN	29.795219	-94.9078487
			6729 N HIGHWAY 146	BAYTOWN	29.795219	-94.9078487
		DUNMAN GULF SER STA	4451 SJOLANDER	BAYTOWN	29.775905	-94.9422224
			4451 SJOLANDER	BAYTOWN	29.775905	-94.9422224
			4451 SJOLANDER	BAYTOWN	29.775905	-94.9422224
		EAGLE DOME	9228 N HIGHWAY 146	MONT BELVIE	29.823972	-94.8985508
			9228 N HIGHWAY 146	MONT BELVIE	29.823972	-94.8985508
			9228 N HIGHWAY 146	MONT BELVIE	29.823972	-94.8985508
		EMISSION MONITORING SERVICE	400 S HWY 146	BAYTOWN	29.738018	-94.991339
		ENTEX	200 E REPUBLIC	BAYTOWN	29.728889	-94.966613
			200 E REPUBLIC	BAYTOWN	29.728889	-94.966613
			200 E REPUBLIC	BAYTOWN	29.728889	-94.966613
		EXPRESS 330	4300 DECKER DR	BAYTOWN	29.756623	-94.9957493
			4300 DECKER DR	BAYTOWN	29.756623	-94.9957493
			4300 DECKER DR	BAYTOWN	29.756623	-94.9957493
			4300 DECKER DR	BAYTOWN	29.756623	-94.9957493
			4300 DECKER DR	BAYTOWN	29.756623	-94.9957493
			4300 DECKER DR	BAYTOWN	29.756623	-94.9957493
		EXXON 64607	518 PARK ST	BAYTOWN	29.746778	-94.97233
			518 PARK ST	BAYTOWN	29.746778	-94.97233
			518 PARK ST	BAYTOWN	29.746778	-94.97233
			518 PARK ST	BAYTOWN	29.746778	-94.97233
		EXXON CHEMICAL COMPANY	5706 BAYWAY Dr	BAYTOWN	29.749313	-95.0322532
			5706 BAYWAY Dr	BAYTOWN	29.749313	-95.0322532
			5706 BAYWAY Dr	BAYTOWN	29.749313	-95.0322532
		EXXON CO USA	1602 N ALEXANDER	BAYTOWN	29.740122	-94.9535009
			1602 N ALEXANDER	BAYTOWN	29.740122	-94.9535009
			1602 N ALEXANDER	BAYTOWN	29.740122	-94.9535009
			1602 N ALEXANDER	BAYTOWN	29.740122	-94.9535009
		EXXON CO USA 6 4977	717 W MAIN	BAYTOWN	29.72038	-94.9788979
			717 W MAIN	BAYTOWN	29.72038	-94.9788979
			717 W MAIN	BAYTOWN	29.72038	-94.9788979
			717 W MAIN	BAYTOWN	29.72038	-94.9788979
		EXXON CO USA 6 7686	2707 MARKET ST	BAYTOWN	29.726701	-95.001262
			2707 MARKET ST	BAYTOWN	29.726701	-95.001262
			2707 MARKET ST	BAYTOWN	29.726701	-95.001262
			2707 MARKET ST	BAYTOWN	29.726701	-95.001262
		EXXON FOOD MART	13625 INTERSTATE 10 E	BAYTOWN	29.830105	-94.8036606
			13625 INTERSTATE 10 E	BAYTOWN	29.830105	-94.8036606
		EXXON RS 60049	3600 N MAIN ST	BAYTOWN	29.761705	-94.963451

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>TXUST</i>	EXXON RS 60049	3600 N MAIN ST	BAYTOWN	29.761705	-94.963451
			3600 N MAIN ST	BAYTOWN	29.761705	-94.963451
			3600 N MAIN ST	BAYTOWN	29.761705	-94.963451
		EXXON RS 61602	6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
			6203 DECKER DR	BAYTOWN	29.782567	-95.032738
		EXXON RS 61845	101 S ALEXANDER	BAYTOWN	29.728918	-94.959277
			101 S ALEXANDER	BAYTOWN	29.728918	-94.959277
			101 S ALEXANDER	BAYTOWN	29.728918	-94.959277
		EXXON RS 62881	2401 GARTH RD	BAYTOWN	29.749232	-94.977504
			2401 GARTH RD	BAYTOWN	29.749232	-94.977504
			2401 GARTH RD	BAYTOWN	29.749232	-94.977504
			2401 GARTH RD	BAYTOWN	29.749232	-94.977504
			2401 GARTH RD	BAYTOWN	29.749232	-94.977504
			2401 GARTH RD	BAYTOWN	29.749232	-94.977504
			2401 GARTH RD	BAYTOWN	29.749232	-94.977504
		EZ STOP N GO	3007 N ALEXANDER DR	BAYTOWN	29.757355	-94.9403343
			3007 N ALEXANDER DR	BAYTOWN	29.757355	-94.9403343
			3007 N ALEXANDER DR	BAYTOWN	29.757355	-94.9403343
			3007 N ALEXANDER DR	BAYTOWN	29.757355	-94.9403343
		EZY STOP	2 E FAYLE ST	BAYTOWN	29.738616	-94.964524
			2 E FAYLE ST	BAYTOWN	29.738616	-94.964524
			2 E FAYLE ST	BAYTOWN	29.738616	-94.964524
			2 E FAYLE ST	BAYTOWN	29.738616	-94.964524
		FINLEYS 2	4619 FM 565 S	BAYTOWN	29.798875	-94.8507731
			4619 FM 565 S	BAYTOWN	29.798875	-94.8507731
			4619 FM 565 S	BAYTOWN	29.798875	-94.8507731
		FIRESTONE STORE	144 S ALEXANDER	BAYTOWN	29.729131	-94.9587555
		FIRESTONE STORE 4731 019771	4110 DECKER DR	BAYTOWN	29.767524	-95.0107036
		FISCO FOOD MART	1611 N ALEXANDER DR	BAYTOWN	29.740699	-94.953615
			1611 N ALEXANDER DR	BAYTOWN	29.740699	-94.953615
			1611 N ALEXANDER DR	BAYTOWN	29.740699	-94.953615
			1611 N ALEXANDER DR	BAYTOWN	29.740699	-94.953615
		FOOD TOWN SHOPPING CENTER	1700 DECKER DR	BAYTOWN	29.740225	-94.979474
			1700 DECKER DR	BAYTOWN	29.740225	-94.979474
			1700 DECKER DR	BAYTOWN	29.740225	-94.979474
		FORMER FURNITURE WAREHOU	2406 MARKET ST	BAYTOWN	29.728891	-94.997383
		FORMER GIFFORD HILL	FM 565 & HWY 1405	BAYTOWN	29.7292	-95.0078451
		GOOSE CREEK CISD TRANSPOR	601 LEE DR	BAYTOWN	29.730036	-94.9784935
			601 LEE DR	BAYTOWN	29.730036	-94.9784935
			601 LEE DR	BAYTOWN	29.730036	-94.9784935
		GOOSE CREEK ISD	1300 LINDBERG	BAYTOWN	29.729360	-94.9842437
		GULF OIL	1021 DECKER DR	BAYTOWN	29.737865	-94.9789913
			1021 DECKER DR	BAYTOWN	29.737865	-94.9789913
			1021 DECKER DR	BAYTOWN	29.737865	-94.9789913

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>TXUST</i>	GULF OIL	1021 DECKER DR	BAYTOWN	29.737865	-94.9789913
		HASTY TRANSFER & STORAGE	2200 MARKET ST	BAYTOWN	29.730561	-94.996215
			2200 MARKET ST	BAYTOWN	29.730561	-94.996215
		HORACE MANN J S	610 S PRUETT	BAYTOWN	29.729802	-94.9744386
		INDUSTRIAL MUNICIPAL SUPPLY	1205 W MAIN	BAYTOWN	29.720774	-94.9820913
			1205 W MAIN	BAYTOWN	29.720774	-94.9820913
		IPSCO KOPPEL TUBULARS CORP	2600 TEXAS HIGHWAY 99	BAYTOWN	29.724967	-94.9278273
		JACKS GROCERY	620 PARK ST	BAYTOWN	29.746763	-94.974643
			620 PARK ST	BAYTOWN	29.746763	-94.974643
		JACKS GROCERY 3	7120 BAYWAY DR	BAYTOWN	29.769027	-95.031423
			7120 BAYWAY DR	BAYTOWN	29.769027	-95.031423
			7120 BAYWAY DR	BAYTOWN	29.769027	-95.031423
			7120 BAYWAY DR	BAYTOWN	29.769027	-95.031423
			7120 BAYWAY DR	BAYTOWN	29.769027	-95.031423
			7120 BAYWAY DR	BAYTOWN	29.769027	-95.031423
		JAMES FOOD MART	2206 E JAMES ST	BAYTOWN	29.728564	-94.943821
		JIMMYS AUTO REPAIR	2001 N PRUETT	BAYTOWN	29.746258	-94.972824
			2001 N PRUETT	BAYTOWN	29.746258	-94.972824
			2001 N PRUETT	BAYTOWN	29.746258	-94.972824
			2001 N PRUETT	BAYTOWN	29.746258	-94.972824
		JOHNS EXXON	10404 INTERSTATE 10 E	BAYTOWN	30.527739	-99.8525759
			10404 INTERSTATE 10 E	BAYTOWN	30.527739	-99.8525759
			10404 INTERSTATE 10 E	BAYTOWN	30.527739	-99.8525759
			10404 INTERSTATE 10 E	BAYTOWN	30.527739	-99.8525759
		JONS MART	605 E TEXAS AVE	BAYTOWN	29.729675	-94.961269
			605 E TEXAS AVE	BAYTOWN	29.729675	-94.961269
			605 E TEXAS AVE	BAYTOWN	29.729675	-94.961269
			605 E TEXAS AVE	BAYTOWN	29.729675	-94.961269
		JRs GROCERY	4627 N HWY 146	BAYTOWN	29.768240	-94.9187035
			4627 N HWY 146	BAYTOWN	29.768240	-94.9187035
			4627 N HWY 146	BAYTOWN	29.768240	-94.9187035
		JRS MINUTEMAID	7724 DECKER DR	BAYTOWN	29.790224	-95.056703
			7724 DECKER DR	BAYTOWN	29.790224	-95.056703
			7724 DECKER DR	BAYTOWN	29.790224	-95.056703
		KL & P FOOD STORE	1104 N ALEXANDER DR	BAYTOWN	29.736530	-94.9555179
			1104 N ALEXANDER DR	BAYTOWN	29.736530	-94.9555179
		KL&B FOOD STORE	500 N ALEXANDER	BAYTOWN	29.732427	-94.956727
			500 N ALEXANDER	BAYTOWN	29.732427	-94.956727
			500 N ALEXANDER	BAYTOWN	29.732427	-94.956727
		KMART 4013	1801 N PRUETT ST	BAYTOWN	29.745358	-94.974253
		KOCH SERVICE	10844 E INTERSTATE 10	BAYTOWN	29.790286	-95.0544831
			10844 E INTERSTATE 10	BAYTOWN	29.790286	-95.0544831
		LEE COLLEGE DISTRICT	511 S WHITING ST	BAYTOWN	29.730726	-94.9752515
			511 S WHITING ST	BAYTOWN	29.730726	-94.9752515
		LINDE	100 S AIRHART DR	BAYTOWN	29.740333	-94.9926909
			100 S AIRHART DR	BAYTOWN	29.740333	-94.9926909
		LUBE KING	906 WARD ST	BAYTOWN	29.739838	-94.9528179
		MCCOY BLDG CEN	330 WARD	BAYTOWN	29.742288	-94.9599719
		MILES	8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	TXUST	MILES	8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
			8500 W BAY RD	BAYTOWN	29.773096	-94.9099905
		MITCHELL WELL SERV	162 S LYNCHBURG	BAYTOWN	29.787944	-95.057712
		MOBIL DISCOUNT INSPECTION A	2310 N ALEXANDER DR	BAYTOWN	29.746161	-94.948291
			2310 N ALEXANDER DR	BAYTOWN	29.746161	-94.948291
			2310 N ALEXANDER DR	BAYTOWN	29.746161	-94.948291
			2310 N ALEXANDER DR	BAYTOWN	29.746161	-94.948291
			2310 N ALEXANDER DR	BAYTOWN	29.746161	-94.948291
			2310 N ALEXANDER DR	BAYTOWN	29.746161	-94.948291
			2310 N ALEXANDER DR	BAYTOWN	29.746161	-94.948291
			2310 N ALEXANDER DR	BAYTOWN	29.746161	-94.948291
		MOORE SUPPLY CO OF BAYTOW	1108 CEDAR BAYOU BLVD	BAYTOWN	29.750202	-94.950622
		MURPHY USA 6718	4906 GARTH RD	BAYTOWN	29.775426	-94.9776772
			4906 GARTH RD	BAYTOWN	29.775426	-94.9776772
		NORTH MAIN CHEVRON	2111 N MAIN ST	BAYTOWN	29.747296	-94.964099
			2111 N MAIN ST	BAYTOWN	29.747296	-94.964099
			2111 N MAIN ST	BAYTOWN	29.747296	-94.964099
			2111 N MAIN ST	BAYTOWN	29.747296	-94.964099
			2111 N MAIN ST	BAYTOWN	29.747296	-94.964099
			2111 N MAIN ST	BAYTOWN	29.747296	-94.964099
			2111 N MAIN ST	BAYTOWN	29.747296	-94.964099
		OHMSTEDE MECHANICAL SERVIC	3018 N HWY 146	BAYTOWN	29.756464	-94.940993
			3018 N HWY 146	BAYTOWN	29.756464	-94.940993
		PAPA SOLIZ	10120 N HIGHWAY 146	BAYTOWN	29.74927	-94.973211
			10120 N HIGHWAY 146	BAYTOWN	29.74927	-94.973211
			10120 N HIGHWAY 146	BAYTOWN	29.74927	-94.973211
		PINEHURST FOOD MART	7105 N HIGHWAY 146	BAYTOWN	29.800187	-94.9047685
			7105 N HIGHWAY 146	BAYTOWN	29.800187	-94.9047685
			7105 N HIGHWAY 146	BAYTOWN	29.800187	-94.9047685
		PLANT 7	4008 N HWY 146	BAYTOWN	29.761258	-94.9211119
			4008 N HWY 146	BAYTOWN	29.761258	-94.9211119
		POINT BARROW FIELD	9738 PT BARROW RD	BAYTOWN	29.739010	-94.8384622
		POWER MART 17	2503 PARK ST	BAYTOWN	29.747341	-94.9885233
			2503 PARK ST	BAYTOWN	29.747341	-94.9885233
		POWER MART 4	1601 N ALEXANDER DR	BAYTOWN	29.740254	-94.954091
			1601 N ALEXANDER DR	BAYTOWN	29.740254	-94.954091
		POWER MART 7	721 PARK ST	BAYTOWN	29.746284	-94.97654
			721 PARK ST	BAYTOWN	29.746284	-94.97654
			721 PARK ST	BAYTOWN	29.746284	-94.97654
			721 PARK ST	BAYTOWN	29.746284	-94.97654
		RACETRAC 618	8829 N HWY 146	BAYTOWN	29.74927	-94.973211
			8829 N HWY 146	BAYTOWN	29.74927	-94.973211
			8829 N HWY 146	BAYTOWN	29.74927	-94.973211

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	TXUST	RICKYS AUTO AIR	2727 N ALEXANDER	BAYTOWN	29.750267	-94.9457259
			2727 N ALEXANDER	BAYTOWN	29.750267	-94.9457259
			2727 N ALEXANDER	BAYTOWN	29.750267	-94.9457259
			2727 N ALEXANDER	BAYTOWN	29.750267	-94.9457259
		RPS DISCOUNT STORE	1600 N ALEXANDER DR	BAYTOWN	29.73999	-94.953262
			1600 N ALEXANDER DR	BAYTOWN	29.73999	-94.953262
		SAMMYS GROCERIES 2	2810 MARKET ST	BAYTOWN	29.727942	-95.002421
			2810 MARKET ST	BAYTOWN	29.727942	-95.002421
			2810 MARKET ST	BAYTOWN	29.727942	-95.002421
			2810 MARKET ST	BAYTOWN	29.727942	-95.002421
		SAMS EXPRESS 1	8305 HIGHWAY 146	BAYTOWN	29.820392	-94.899606
			8305 HIGHWAY 146	BAYTOWN	29.820392	-94.899606
			8305 HIGHWAY 146	BAYTOWN	29.820392	-94.899606
		SAN JACINTO METHODIST HOSPI	1101 DECKER DR	BAYTOWN	29.738401	-94.9794757
			1101 DECKER DR	BAYTOWN	29.738401	-94.9794757
			4401 GARTH RD	BAYTOWN	29.769057	-94.979031
			4401 GARTH RD	BAYTOWN	29.769057	-94.979031
		SCHOTTS BAKERY	4820 CEDAR BAYOU LYNCHBURG	BAYTOWN	29.783049	-94.9230966
		SCHOTTS BAKERY INC	1211 S AIRHART DR	BAYTOWN	29.728147	-95.002096
			1211 S AIRHART DR	BAYTOWN	29.728147	-95.002096
		SHOP N GO	1100 DECKER DR	BAYTOWN	29.738426	-94.9794384
			1100 DECKER DR	BAYTOWN	29.738426	-94.9794384
			3101 WISCONSIN ST	BAYTOWN	29.728342	-95.003891
			3101 WISCONSIN ST	BAYTOWN	29.728342	-95.003891
			3101 WISCONSIN ST	BAYTOWN	29.728342	-95.003891
			3101 WISCONSIN ST	BAYTOWN	29.728342	-95.003891
			3101 WISCONSIN ST	BAYTOWN	29.728342	-95.003891
		SNAPPY MART 3	10214 GARTH RD	BAYTOWN	29.845597	-94.98873
			10214 GARTH RD	BAYTOWN	29.845597	-94.98873
			10214 GARTH RD	BAYTOWN	29.845597	-94.98873
		SNAPPY MART 4	9040 FM 1405	BAYTOWN	29.686716	-94.9136715
			9040 FM 1405	BAYTOWN	29.686716	-94.9136715
			9040 FM 1405	BAYTOWN	29.686716	-94.9136715
		SOUTHERN SALES COMPANY	3203 N MAIN ST	BAYTOWN	29.755993	-94.964599
			3203 N MAIN ST	BAYTOWN	29.755993	-94.964599
		STAUFFER CHEMICAL COMPANY	3439 PARK ST	BAYTOWN	29.748118	-95.00277
		STEFANI DISTRIBUTING	4701 DECKER DR	BAYTOWN	29.771749	-95.016083
		STOP N GO 2075	1516 ALEXANDER	BAYTOWN	29.739113	-94.9541529
			1516 ALEXANDER	BAYTOWN	29.739113	-94.9541529
			1516 ALEXANDER	BAYTOWN	29.739113	-94.9541529
		STOP N GO 2229	220 W MAIN	BAYTOWN	29.722314	-94.973871
			220 W MAIN	BAYTOWN	29.722314	-94.973871
		STOP N GO MARKETS 1 1267	4402 GARTH RD	BAYTOWN	29.769372	-94.977113
			4402 GARTH RD	BAYTOWN	29.769372	-94.977113
			4402 GARTH RD	BAYTOWN	29.769372	-94.977113
		STOP U SAVE	1414 BEAUMONT ST	BAYTOWN	29.743132	-94.9552367
			1414 BEAUMONT ST	BAYTOWN	29.743132	-94.9552367
		SUPER CORNER	5212 N HIGHWAY 146	BAYTOWN	29.770977	-94.9160228
			5212 N HIGHWAY 146	BAYTOWN	29.770977	-94.9160228
			5212 N HIGHWAY 146	BAYTOWN	29.770977	-94.9160228

**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	TXUST	SUPER CORNER	5212 N HIGHWAY 146	BAYTOWN	29.770977	-94.9160228
			5212 N HIGHWAY 146	BAYTOWN	29.770977	-94.9160228
		TAYLOR M E	2502 N MAIN	BAYTOWN	29.749455	-94.96327
		TEXAS AVE FOOD MART	401 E TEXAS AVE	BAYTOWN	29.730412	-94.963504
			401 E TEXAS AVE	BAYTOWN	29.730412	-94.963504
			401 E TEXAS AVE	BAYTOWN	29.730412	-94.963504
			401 E TEXAS AVE	BAYTOWN	29.730412	-94.963504
		TEXAS NATIONAL GUARD ARMOR	111 WYE DR	BAYTOWN	29.755741	-94.9646129
			111 WYE DR	BAYTOWN	29.755741	-94.9646129
		TEXAS OLEFINS	2 PARK WEST PLZ	BAYTOWN	29.77864	-95.0225402
		THE BAYTOWN SUN	1301 MEMORIAL DR	BAYTOWN	29.743542	-94.976014
		THE INTERNATIONAL GROUP	7106 HWY 146 N	BAYTOWN	29.752672	-94.950217
			7106 HWY 146 N	BAYTOWN	29.752672	-94.950217
			7106 HWY 146 N	BAYTOWN	29.752672	-94.950217
		TOM JULIAN	6931 DECKER DR	BAYTOWN	29.786185	-95.041906
			6931 DECKER DR	BAYTOWN	29.786185	-95.041906
			6931 DECKER DR	BAYTOWN	29.786185	-95.041906
		TRI-CITY BEACH GROCERY	6100 TRI CITY BEACH RD	BAYTOWN	29.722972	-94.9544607
			6100 TRI CITY BEACH RD	BAYTOWN	29.722972	-94.9544607
		TUNEUP MASTERS STORE 922	611 SHELDON RD	CHANNELVIE	29.783899	-95.124996
		TUNEUP MASTERS STORE 923	1615 N ALEXANDER	BAYTOWN	29.741028	-94.953358
		U S DENRO STEELS	5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
			5200 E MCKINNEY RD	BAYTOWN	29.721852	-94.97188
		UNITED PARCEL SERVICE	223 E REPUBLIC	BAYTOWN	29.728323	-94.966334
			223 E REPUBLIC	BAYTOWN	29.728323	-94.966334
		VACANT BLDG FREEDOM AMERIC	1800 N ALEXANDER	BAYTOWN	29.741063	-94.951059
			1800 N ALEXANDER	BAYTOWN	29.741063	-94.951059
		VALERO CORNER STORE 2007	2219 HIGHWAY 201	BAYTOWN	29.750172	-94.9649528
			2219 HIGHWAY 201	BAYTOWN	29.750172	-94.9649528
			2219 HIGHWAY 201	BAYTOWN	29.750172	-94.9649528
		VALERO CORNER STORE 2201	3000 BAKER RD	BAYTOWN	29.771382	-94.995582
			3000 BAKER RD	BAYTOWN	29.771382	-94.995582
			3000 BAKER RD	BAYTOWN	29.771382	-94.995582
			3000 BAKER RD	BAYTOWN	29.771382	-94.995582
			3000 BAKER RD	BAYTOWN	29.771382	-94.995582
			3000 BAKER RD	BAYTOWN	29.771382	-94.995582
			3000 BAKER RD	BAYTOWN	29.771382	-94.995582
		VALERO CORNER STORE 2638	3525 GARTH RD	BAYTOWN	29.76084	-94.977714
			3525 GARTH RD	BAYTOWN	29.76084	-94.977714

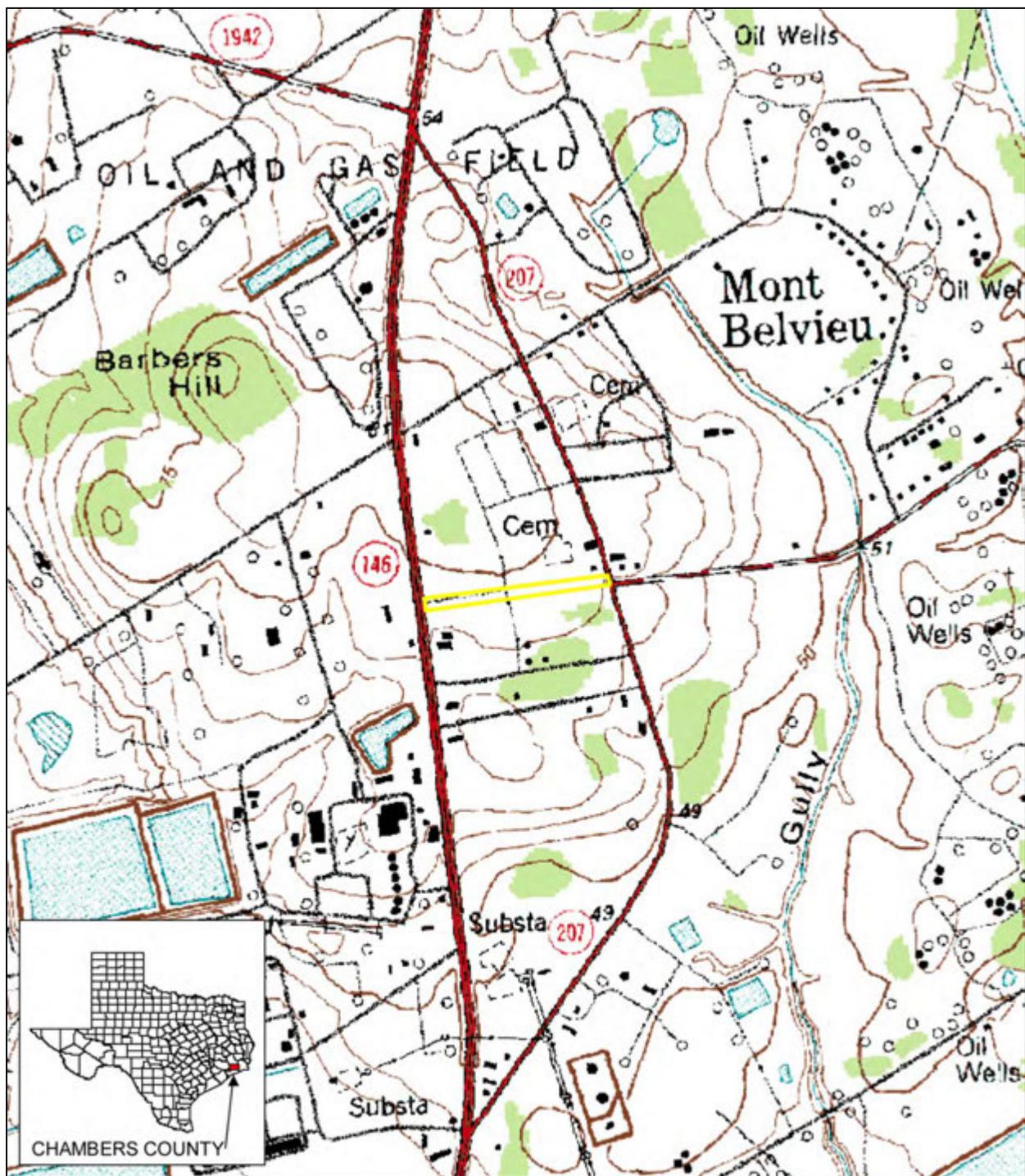
**Database count for 77520**

CERCLIS	3	CORRACT	7	DRYC	5
ERNS	2071	NFRAP	14	RCRA TSD	14
RCRA-G	65	TXAST	64	TXLF	2
TXLUST	70	TXSPILL	631	TXUST	463

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>77520</b>	<i>TXUST</i>	VALERO CORNER STORE 2638	3525 GARTH RD	BAYTOWN	29.76084	-94.977714
		VITIS RESEARCH & DEVELOPMEN	423 W TEXAS	BAYTOWN	29.733448	-94.972638
		WARD RD CENTER	2512 WARD RD	BAYTOWN	29.741041	-94.9349123
			2512 WARD RD	BAYTOWN	29.741041	-94.9349123
		WHAT A-POLLO	500 N MAIN ST	BAYTOWN	29.735374	-94.9663532
			500 N MAIN ST	BAYTOWN	29.735374	-94.9663532
			500 N MAIN ST	BAYTOWN	29.735374	-94.9663532
			500 N MAIN ST	BAYTOWN	29.735374	-94.9663532
			500 N MAIN ST	BAYTOWN	29.735374	-94.9663532
		WISMER DIST	600 S MAIN	BAYTOWN	29.728066	-94.9697141
			600 S MAIN	BAYTOWN	29.728066	-94.9697141
		YOUNG PLBG & HTG	301 N COMMERCE	BAYTOWN	29.734861	-94.967917
		YOUNGS DRIVE INN GROCERY	2105 N PRUETT ST	BAYTOWN	29.746766	-94.972979
			2105 N PRUETT ST	BAYTOWN	29.746766	-94.972979

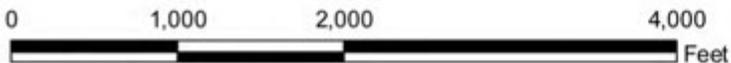
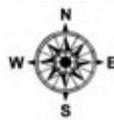
# **Appendix W**

## **Maps, Geologic Logs, and Laboratory Report for the Phase II**



**LEGEND**

 SUBJECT PROPERTY



Scale: 1 inch = 1,000 feet

**FIGURE 1  
SUBJECT PROPERTY  
TOPOGRAPHIC MAP**

MPH Project: 10300-01

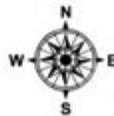
Date: Mar. 20, 2013

Source: USGS Topo Map, Mont Belvieu Quad (1995)



**LEGEND**

 SUBJECT PROPERTY



0 250 500 1,000  
Feet

Scale: 1 inch = 250 feet

**FIGURE 2  
SUBJECT PROPERTY AERIAL  
PHOTOGRAPH MAP**

MPH Project: 10300-01

Date: Mar. 20, 2013

Source: 2012 ESRI World Imagery



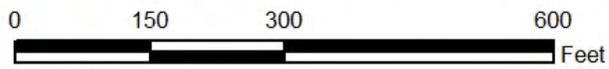
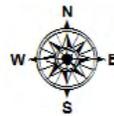
**LEGEND**

 SUBJECT PROPERTY

**APPROXIMATE SAMPLE LOCATION:**

 BORING/WELL

 NEAR SURFACE SAMPLE



Scale: 1 inch = 185 feet

**FIGURE 3  
SAMPLE LOCATION MAP**

MPH Project: 10300-01

Date: Mar. 20, 2013

Source: 2012 ESRI World Imagery



**BIO-WEST, Inc.**

1063 West 1400 North  
 Logan, UT 84321  
 Phone: (435)752-4202  
 Fax: (435)752-0507

**BOREHOLE LOG Boring #1**

DATES DRILLED: February 20, 2013  
 TOTAL DEPTH: 28 feet  
 SURFACE ELEVATION

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	F.M. 565 Extension	DRILLING CO.:	Mathers Environmental Drilling
SITE :	Mont Belvieu, Texas	DRILLER:	Shawn Mathers
JOB NO.:	1372.1	RIG TYPE:	Tractor-mounted Geoprobe
LOGGED BY:	Tom Nelson	METHOD OF DRILLING:	Direct Push
PROJECT MGR:	Melissa Fontenot	SAMPLING METHODS:	Soil Core

DEPTH (FT)	SOIL TYPE	USCS	SOIL DESCRIPTION	Sample Depth	% Recovery	Blows	PID/FID ppm	BORING COMPLETION
0	[Hatched Pattern]		CLAY; brown with orange streaking, high plasticity, moderately stiff; roadbase present from 0 - 0.5 feet below ground surface (bgs); caliche present at 6.0 feet bgs.					
-5				68%	0.1			
-10				100%	0.1			
-10	[Hatched Pattern]		CLAY, SILT INTERBEDS; clay is brown to light grey with orange streaking, high plasticity, moderately stiff from 8.0-11.0 feet bgs and 12.0-16.0 feet bgs, soft from 11.0-12.0 feet bgs; silt interbeds less than 1 centimeter thick present, iron oxidation present.					
-10				100%	0.1			
-15				95%	0.1			

DEPTH (FT)	SOIL TYPE	USCS	SOIL DESCRIPTION Trace<10, Little 10-20%, Some 20-35%, And 35-50%	SAMPLE DEPTH	% RECOVERY	BLOWS	PID/FID (ppm)	BORING COMPLETION
-20			CLAY, SANDY CLAY INTERBEDS; clay is brown to light grey, high plasticity, moderately stiff; sandy clay layers present from 16.6-16.7 feet bgs and 17.0-17.7 feet bgs (80% clay, 20% sand), sand is fine-grained, subrounded, sandy clay units are damp.		100%		0.1	
-25			SILTY CLAY, SANDY CLAY INTERBEDS; silty clay is light grey and orange, moderate plasticity, moderately stiff; sandy clay layer present from 21.2-22.1 feet bgs (80% clay, 20% sand), sand is fine-grained, subrounded, saturated; clayey sand layer present from 23.0-23.4 feet bgs (70% sand, 30% clay), sand is fine-grained, subrounded, well sorted, damp.		95%		0.1	
-25			CLAY; light grey, high plasticity, moderately stiff.		100%		0.1	



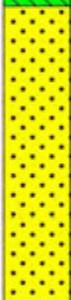
**BIO-WEST, Inc.**  
 1063 West 1400 North  
 Logan, UT 84321  
 Phone: (435)752-4202  
 Fax: (435)752-0507

**BOREHOLE LOG Boring #2**  
 DATES DRILLED: February 20, 2013  
 TOTAL DEPTH: 28 feet  
 SURFACE ELEVATION

PROJECT INFORMATION			DRILLING INFORMATION				
PROJECT:	F.M. 565 Extension		DRILLING CO.:	Mathers Environmental Drilling			
SITE :	Mont Belvieu, Texas		DRILLER:	Shawn Mathers			
JOB NO.:	1372.1		RIG TYPE:	Tractor-mounted Geoprobe			
LOGGED BY:	Tom Nelson		METHOD OF DRILLING:	Direct Push			
PROJECT MGR:	Melissa Fontenot		SAMPLING METHODS:	Soil Core			

DEPTH (FT)	SOIL TYPE	USCS	SOIL DESCRIPTION	Sample Depth	% Recovery	Blows	PID/FID ppm	BORING COMPLETION
0			Trace < 10, Little 10-20%, Some 20-35%, And 35-50%					
0 - 4			CLAY, LITTLE SILT; brown, moderate plasticity, soft to moderately hard; roadbase present from 0-0.5 feet below ground surface (bgs).		50%		0.2	
4 - 13.3			CLAY; brown with minor red streaking; high plasticity, moderately stiff, some white caliche present.		100%		0.2	
13.3 - 14.5			CLAY, SANDY CLAY INTERBEDS; clay is light grey, high plasticity, moderately stiff; sandy clay layer present from 13.3-14.5 feet bgs (80% clay, 20% sand), sand is fine-grained, subrounded, sandy clay layer is damp.		100%		0.1	
14.5 - 28					100%		0.1	

DEPTH (FT)	SOIL TYPE	USCS	SOIL DESCRIPTION Trace<10, Little 10-20%, Some 20-35%, And 35-50%	SAMPLE DEPTH	% RECOVERY	BLOWS	PID/FID (ppm)	BORING COMPLETION
-20			CLAY; light grey to brown, high plasticity, moderately stiff.		100%		0.1	
-25			SAND; quartz, fine-grained, subrounded, well sorted, saturated.		70%		0.1	



**BIO-WEST, Inc.**

1063 West 1400 North  
 Logan, UT 84321  
 Phone: (435)752-4202  
 Fax:(435)752-0507

**BOREHOLE LOG Boring #3**

DATES DRILLED: February 20, 2013  
 TOTAL DEPTH: 28 feet  
 SURFACE ELEVATION

PROJECT INFORMATION			DRILLING INFORMATION				
PROJECT:	F.M. 565 Extension		DRILLING CO.:	Mathers Environmental Drilling			
SITE :	Mont Belvieu, Texas		DRILLER:	Shawn Mathers			
JOB NO.:	1372.1		RIG TYPE:	Tractor-mounted Geoprobe			
LOGGED BY:	Tom Nelson		METHOD OF DRILLING:	Direct Push			
PROJECT MGR:	Melissa Fontenot		SAMPLING METHODS:	Soil Core			

DEPTH (FT)	SOIL TYPE	USCS	SOIL DESCRIPTION	Sample Depth	% Recovery	Blows	PID/FID ppm	BORING COMPLETION
0	[Soil Type Column]		CLAY; brown to dark grey, moderate to high plasticity, soft to moderately hard; roadbase present from 0-0.5 feet below ground surface (bgs); minor caliche present.		55%		0.1	
-5					100%		0.1	
-8			CLAY, SILTY CLAY INTERBED; clay is dark grey, high plasticity, moderately stiff; silty clay layer present from 8.0-9.0 feet bgs (80% clay, 20% silt), dark grey; minor caliche present.		100%		0.1	
-10			CLAY, SANDY CLAY INTERBEDS; clay is dark grey to brown, high plasticity, moderately stiff; sandy clay layer present from 14.0-15.0 feet bgs (80% clay, 20% sand), sand is fine-grained, subrounded, iron oxidized, sandy clay layer is damp.		100%		0.1	
-15								



**ATTACHMENT 3:**

**LABORATORY REPORT**

# Laboratory Analysis Report

Total Number of Pages: 117

Job ID : 13020953



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name :  
1372.1 / F.M 565 Extension

Report To : Client Name: Bio-West  
Attn: Melissa Fontenot  
Client Address: 1018 Frost St.  
City, State, Zip: Rosenberg, Texas, 77471

P.O.#.:  
Sample Collected By: Tom Nelson  
Date Collected: 02/19/13 - 02/20/13

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Surface Soil #1	Soil	13020953.01
Surface Soil #2	Soil	13020953.02
Surface Soil #3	Soil	13020953.03
Surface Soil #4	Soil	13020953.04
Surface Soil #5	Soil	13020953.05
Surface Soil #6	Soil	13020953.06
Boring 1, 0-4 FT.	Soil	13020953.07
Boring 1, 16-20 FT.	Soil	13020953.08
Boring 1, 20-24 FT.	Soil	13020953.09
Boring 1	Water	13020953.10
Boring 2, 0-4 FT	Soil	13020953.11
Boring 2, 12-16 FT.	Soil	13020953.12
Boring 2, 24-28 FT.	Soil	13020953.13
Boring 2	Water	13020953.14
Boring #3, 0-4'	Soil	13020953.15
Boring #3, 12-16'	Soil	13020953.16
Boring #3	Water	13020953.17

A handwritten signature in black ink that reads "Shantall Carpenter".

Released By: Shantall Carpenter  
Title: Senior Project Manager  
Date: 3/11/2013



This Laboratory is NELAP (T104704213-12-7) accredited. Effective: 07/01/2012; Expires: 03/31/2013

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

Date Received : 02/20/2013 14:40

**LABORATORY TERM AND QUALIFIER DEFINITION REPORT**



Job ID : 13020953

Date: 3/11/2013

**General Term Definition**

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

**Qualifier Definition**

D1	Sample required dilution due to matrix effects.
D2	Sample required dilution due to high concentration of non-target analyte.
D3	Sample dilution required due to insufficient sample.
J	Estimation. Below calibration range but above MDL.
J7	Concentration estimated. Analyte recovery in LCS did not meet acceptance criteria.
L1	Associated LCS and/or LCSD recovery is above acceptance limits for flagged analyte. Bias may be high.
L2	Associated LCS and/or LCSD recovery is below acceptance limits for flagged analyte. Bias may be low.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference.
M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference."The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M3	The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The LCS recovery is acceptable."The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M8	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits.
M9	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits.
Q18	Soils not collected in a hermetically sealed container may lose low-level VOCs.
R1	RPD exceeds control limits.
S2	Surrogate recovery is below control limit. Results may be biased low.
U	Undetected at SDL (Sample Detection Limit).
V1	CCV recovery is above acceptance limits. This target analyte was not detected in the sample.
V6	CCV recovery is above the control limit for this analyte, however the average %difference for all the analytes meets method criteria.



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #1  
A&B Job Sample ID: 13020953.01

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/19/2013 13:40  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 21.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	21.9				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Surface Soil #1
A&B Job Sample ID: 13020953.01

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/19/2013 13:40
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 21.9

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #1
A&B Job Sample ID: 13020953.01

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/19/2013 13:40
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 21.9

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Surface Soil #1  
 A&B Job Sample ID: 13020953.01

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/19/2013 13:40  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 21.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	30.3	23.7	25	1000	mg/Kg	1	02/22/13 23:05
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	26	20.3	25	1000	mg/Kg	1	02/22/13 23:05
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	22.7	17.7	25	1000	mg/Kg	1	02/22/13 23:05
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/22/13 23:05
111-85-3	1-Chlorooctane(surr)	70.1				60	143	%	1	02/22/13 23:05
3386-33-2	Chlorooctadecane(surr)	84.6				60	150	%	1	02/22/13 23:05

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #2  
A&B Job Sample ID: 13020953.02

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/19/2013 14:00  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 19.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MLQ	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	19.9				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Surface Soil #2
A&B Job Sample ID: 13020953.02

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/19/2013 14:00
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 19.9

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Surface Soil #2  
 A&B Job Sample ID: 13020953.02

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C      d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/19/2013 14:00
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	19.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
124-48-1	Dibromochloromethane	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
75-71-8	Dichlorodifluoromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
100-41-4	Ethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
98-82-8	Isopropylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.006	0.0045	0.01	0.1	mg/Kg	1.00	02/21/13 04:14
78-93-3	MEK	< SDL	U	0.006	0.005	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
75-09-2	Methylene chloride	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
95-47-6	o-Xylene	< SDL	U	0.002	0.0020	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
100-42-5	Styrene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
127-18-4	Tetrachloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
75-01-4	Vinyl Chloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 04:14
1330-20-7	Xylenes	< SDL	U	0.006	0.005	0.005	0.15	mg/Kg	1.00	02/21/13 04:14
17060-07-0	1,2-Dichloroethane-d4(surr)	103				70	130	%	1.00	02/21/13 04:14
1868-53-7	Dibromofluoromethane(surr)	105				70	130	%	1.00	02/21/13 04:14
2037-26-5	Toluene-d8(surr)	100				70	130	%	1.00	02/21/13 04:14
460-00-4	p-Bromofluorobenzene(surr)	102				70	130	%	1.00	02/21/13 04:14

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Surface Soil #2  
 A&B Job Sample ID: 13020953.02

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/19/2013 14:00  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 19.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	29.6	23.7	25	1000	mg/Kg	1	02/22/13 23:29
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	25.3	20.3	25	1000	mg/Kg	1	02/22/13 23:29
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	22.1	17.7	25	1000	mg/Kg	1	02/22/13 23:29
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/22/13 23:29
111-85-3	1-Chlorooctane(surr)	76.6				60	143	%	1	02/22/13 23:29
3386-33-2	Chlorooctadecane(surr)	77.3				60	150	%	1	02/22/13 23:29

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #3  
A&B Job Sample ID: 13020953.03

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/19/2013 14:10  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 15.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	15.8				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Surface Soil #3
A&B Job Sample ID: 13020953.03

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/19/2013 14:10
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 15.8

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Surface Soil #3  
 A&B Job Sample ID: 13020953.03

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C      d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/19/2013 14:10
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	15.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
124-48-1	Dibromochloromethane	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
75-71-8	Dichlorodifluoromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
100-41-4	Ethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
98-82-8	Isopropylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.005	0.0045	0.01	0.1	mg/Kg	0.89	02/21/13 05:17
78-93-3	MEK	< SDL	U	0.005	0.005	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
75-09-2	Methylene chloride	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
95-47-6	o-Xylene	< SDL	U	0.002	0.0020	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
100-42-5	Styrene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
127-18-4	Tetrachloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
75-01-4	Vinyl Chloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.89	02/21/13 05:17
1330-20-7	Xylenes	< SDL	U	0.005	0.005	0.005	0.15	mg/Kg	0.89	02/21/13 05:17
17060-07-0	1,2-Dichloroethane-d4(surr)	107				70	130	%	0.89	02/21/13 05:17
1868-53-7	Dibromofluoromethane(surr)	102				70	130	%	0.89	02/21/13 05:17
2037-26-5	Toluene-d8(surr)	105				70	130	%	0.89	02/21/13 05:17
460-00-4	p-Bromofluorobenzene(surr)	98.1				70	130	%	0.89	02/21/13 05:17

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #3
A&B Job Sample ID: 13020953.03

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot
Project Name: 1372.1 / F.M 565 Extension

Test Description: T a P e e H d c a b
Analytical Method: TX 1005
QC Batch ID: Qb13022508
Prep Method: TX 1005
Prepared By: JShah
Prep Batch ID: PB13022509
Analyst Initial: JYS

Sample Matrix: Soil
Date Collected: 02/19/2013 14:10
Date Received: 02/20/2013 14:40
Date Prepared: 02/21/2013 14:00

% Moisture: 15.8

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows include TPH-1005-1 through 3386-33-2 with various chemical parameters and results.



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #4  
A&B Job Sample ID: 13020953.04

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/19/2013 14:25  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 14.0

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	14				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Surface Soil #4
A&B Job Sample ID: 13020953.04

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/19/2013 14:25
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 14.0

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Surface Soil #4  
 A&B Job Sample ID: 13020953.04

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C      d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/19/2013 14:25
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	14.0

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
124-48-1	Dibromochloromethane	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
75-71-8	Dichlorodifluoromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
100-41-4	Ethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
98-82-8	Isopropylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.005	0.0045	0.01	0.1	mg/Kg	0.94	02/21/13 04:46
78-93-3	MEK	< SDL	U	0.005	0.005	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
75-09-2	Methylene chloride	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
95-47-6	o-Xylene	< SDL	U	0.002	0.0020	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
100-42-5	Styrene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
127-18-4	Tetrachloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
75-01-4	Vinyl Chloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.94	02/21/13 04:46
1330-20-7	Xylenes	< SDL	U	0.005	0.005	0.005	0.15	mg/Kg	0.94	02/21/13 04:46
17060-07-0	1,2-Dichloroethane-d4(surr)	98.5				70	130	%	0.94	02/21/13 04:46
1868-53-7	Dibromofluoromethane(surr)	100				70	130	%	0.94	02/21/13 04:46
2037-26-5	Toluene-d8(surr)	102				70	130	%	0.94	02/21/13 04:46
460-00-4	p-Bromofluorobenzene(surr)	91.5				70	130	%	0.94	02/21/13 04:46

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Surface Soil #4  
 A&B Job Sample ID: 13020953.04

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/19/2013 14:25  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 14.0

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	27.6	23.7	25	1000	mg/Kg	1	02/23/13 00:16
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	23.6	20.3	25	1000	mg/Kg	1	02/23/13 00:16
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	20.6	17.7	25	1000	mg/Kg	1	02/23/13 00:16
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 00:16
111-85-3	1-Chlorooctane(surr)	75.6				60	143	%	1	02/23/13 00:16
3386-33-2	Chlorooctadecane(surr)	91.1				60	150	%	1	02/23/13 00:16

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #5  
A&B Job Sample ID: 13020953.05

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/19/2013 14:40  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 4.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	4.70				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Surface Soil #5
A&B Job Sample ID: 13020953.05

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot
Project Name: 1372.1 / F.M 565 Extension

Test Description: T a Rec e a b e M e a
Analytical Method: SW-846 6010C
QC Batch ID: Qb13030127
Prep Method: SW-846 3050B
Prepared By: PRKasar
Prep Batch ID: PB13030108
Analyst Initial: GG

Sample Matrix: Soil
Date Collected: 02/19/2013 14:40
Date Received: 02/20/2013 14:40
Date Prepared: 02/28/2013 10:00

% Moisture: 4.7

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows include Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, and Silver.



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #5  
A&B Job Sample ID: 13020953.05

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a M e a - M e c**  
Analytical Method: SW-846 7470A  
QC Batch ID: Qb13022845  
Prep Method: SW-846 7470A  
Prepared By: PRKasar  
Prep Batch ID: PB13022844  
Analyst Initial: PRK

Sample Matrix: Soil  
Date Collected: 02/19/2013 14:40  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/28/2013 09:00

% Moisture: 4.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MLQ	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.018		0.004	0.004	0.004	0.2	mg/Kg	1	02/28/13 14:40

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Surface Soil #5
A&B Job Sample ID: 13020953.05

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/19/2013 14:40
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 4.7

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Surface Soil #5  
 A&B Job Sample ID: 13020953.05

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C      d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/19/2013 14:40
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	4.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
124-48-1	Dibromochloromethane	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
75-71-8	Dichlorodifluoromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
100-41-4	Ethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
98-82-8	Isopropylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.005	0.0045	0.01	0.1	mg/Kg	0.99	02/21/13 03:43
78-93-3	MEK	< SDL	U	0.005	0.005	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
75-09-2	Methylene chloride	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
95-47-6	o-Xylene	< SDL	U	0.002	0.0020	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
100-42-5	Styrene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
127-18-4	Tetrachloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
75-01-4	Vinyl Chloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 03:43
1330-20-7	Xylenes	< SDL	U	0.005	0.005	0.005	0.15	mg/Kg	0.99	02/21/13 03:43
17060-07-0	1,2-Dichloroethane-d4(surr)	102				70	130	%	0.99	02/21/13 03:43
1868-53-7	Dibromofluoromethane(surr)	100				70	130	%	0.99	02/21/13 03:43
2037-26-5	Toluene-d8(surr)	101				70	130	%	0.99	02/21/13 03:43
460-00-4	p-Bromofluorobenzene(surr)	97.2				70	130	%	0.99	02/21/13 03:43

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Surface Soil #5  
 A&B Job Sample ID: 13020953.05

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/19/2013 14:40  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 4.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	24.9	23.7	25	1000	mg/Kg	1	02/23/13 01:04
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	21.3	20.3	25	1000	mg/Kg	1	02/23/13 01:04
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	18.6	17.7	25	1000	mg/Kg	1	02/23/13 01:04
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 01:04
111-85-3	1-Chlorooctane(surr)	59.1	S2			60	143	%	1	02/23/13 01:04
3386-33-2	Chlorooctadecane(surr)	75.2				60	150	%	1	02/23/13 01:04

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #6  
A&B Job Sample ID: 13020953.06

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/19/2013 14:50  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 10.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	10.7				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Surface Soil #6
A&B Job Sample ID: 13020953.06

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot
Project Name: 1372.1 / F.M 565 Extension

Test Description: T a Rec e a b e M e a
Analytical Method: SW-846 6010C
QC Batch ID: Qb13030127
Prep Method: SW-846 3050B
Prepared By: PRKasar
Prep Batch ID: PB13030108

Sample Matrix: Soil
Date Collected: 02/19/2013 14:50
Date Received: 02/20/2013 14:40
Date Prepared: 02/28/2013 10:00

Analyst Initial: GG % Moisture: 10.7

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows include Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, and Silver.



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #6  
A&B Job Sample ID: 13020953.06

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a M e a - M e c**  
Analytical Method: SW-846 7470A  
QC Batch ID: Qb13022845  
Prep Method: SW-846 7470A  
Prepared By: PRKasar  
Prep Batch ID: PB13022844  
Analyst Initial: PRK

Sample Matrix: Soil  
Date Collected: 02/19/2013 14:50  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/28/2013 09:00

% Moisture: 10.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MLQ	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.017		0.004	0.004	0.004	0.2	mg/Kg	1	02/28/13 14:44

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Surface Soil #6
A&B Job Sample ID: 13020953.06

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/19/2013 14:50
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 10.7

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Surface Soil #6  
 A&B Job Sample ID: 13020953.06

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C      d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/19/2013 14:50
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	10.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
124-48-1	Dibromochloromethane	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
75-71-8	Dichlorodifluoromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
100-41-4	Ethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
98-82-8	Isopropylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.005	0.0045	0.01	0.1	mg/Kg	0.99	02/21/13 01:05
78-93-3	MEK	< SDL	U	0.006	0.005	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
75-09-2	Methylene chloride	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
95-47-6	o-Xylene	< SDL	U	0.002	0.0020	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
100-42-5	Styrene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
127-18-4	Tetrachloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
75-01-4	Vinyl Chloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.99	02/21/13 01:05
1330-20-7	Xylenes	< SDL	U	0.006	0.005	0.005	0.15	mg/Kg	0.99	02/21/13 01:05
17060-07-0	1,2-Dichloroethane-d4(surr)	103				70	130	%	0.99	02/21/13 01:05
1868-53-7	Dibromofluoromethane(surr)	102				70	130	%	0.99	02/21/13 01:05
2037-26-5	Toluene-d8(surr)	99.5				70	130	%	0.99	02/21/13 01:05
460-00-4	p-Bromofluorobenzene(surr)	93.2				70	130	%	0.99	02/21/13 01:05

Soil results reported on dry weight basis

**LABORATORY TEST RESULTS --- TRRP 13**Client Sample ID: Surface Soil #6  
A&B Job Sample ID: 13020953.06

Date: 3/11/2013

Client Name: Bio-West  
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: **Se i a i e O g a i c C d**  
Analytical Method: SW-846 8270D  
QC Batch ID: Qb13030158  
Prep Method: SW-846 3550B  
Prepared By: Msoria  
Prep Batch ID: PB13030123  
Analyst Initial: PNSSample Matrix: Soil  
Date Collected: 02/19/2013 14:50  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/28/2013 11:00

% Moisture: 10.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	< SDL	D1,U	1.79	0.16	0.333	4	mg/Kg	10	02/28/13 22:09
95-50-1	1,2-Dichlorobenzene	< SDL	U	1.23	0.11	0.333	4	mg/Kg	10	02/28/13 22:09
541-73-1	1,3-Dichlorobenzene	< SDL	U	1.01	0.09	0.333	4	mg/Kg	10	02/28/13 22:09
106-46-7	1,4-Dichlorobenzene	< SDL	U	1.01	0.09	0.333	4	mg/Kg	10	02/28/13 22:09
95-95-4	2,4,5-Trichlorophenol	< SDL	U	1.46	0.13	0.333	4	mg/Kg	10	02/28/13 22:09
88-06-2	2,4,6-Trichlorophenol	< SDL	U	1.79	0.16	0.333	4	mg/Kg	10	02/28/13 22:09
120-83-2	2,4-Dichlorophenol	< SDL	U	1.34	0.12	0.333	4	mg/Kg	10	02/28/13 22:09
105-67-9	2,4-Dimethylphenol	< SDL	U	1.01	0.09	0.333	4	mg/Kg	10	02/28/13 22:09
51-28-5	2,4-Dinitrophenol	< SDL	U	1.34	0.12	0.333	4	mg/Kg	10	02/28/13 22:09
121-14-2	2,4-Dinitrotoluene	< SDL	U	0.101	0.009	0.333	4	mg/Kg	10	02/28/13 22:09
606-20-2	2,6-Dinitrotoluene	< SDL	U	1.23	0.11	0.333	4	mg/Kg	10	02/28/13 22:09
91-58-7	2-Chloronaphthalene	< SDL	U	1.46	0.13	0.333	4	mg/Kg	10	02/28/13 22:09
95-57-8	2-Chlorophenol	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
91-57-6	2-Methylnaphthalene	< SDL	U	3.36	0.30	0.333	4	mg/Kg	10	02/28/13 22:09
95-48-7	2-Methylphenol	< SDL	U	1.01	0.09	0.333	4	mg/Kg	10	02/28/13 22:09
88-75-5	2-Nitrophenol	< SDL	U	1.01	0.09	0.333	4	mg/Kg	10	02/28/13 22:09
108-39-4 & 106-	3- & 4-Methylphenols	< SDL	U	1.46	0.13	0.667	8	mg/Kg	10	02/28/13 22:09
534-52-1	4,6-Dinitro-2-methylphenol	< SDL	U	1.79	0.16	0.333	4	mg/Kg	10	02/28/13 22:09
101-55-3	4-Bromophenyl phenyl ether	< SDL	U	1.79	0.16	0.333	4	mg/Kg	10	02/28/13 22:09
59-50-7	4-Chloro-3-methylphenol	< SDL	U	1.57	0.14	0.333	4	mg/Kg	10	02/28/13 22:09
7005-72-3	4-Chlorophenyl pheny ether	< SDL	U	1.23	0.11	0.333	4	mg/Kg	10	02/28/13 22:09
100-02-7	4-Nitrophenol	< SDL	U	1.46	0.13	0.333	4	mg/Kg	10	02/28/13 22:09
83-32-9	Acenaphthene	< SDL	U	1.68	0.15	0.333	4	mg/Kg	10	02/28/13 22:09
208-96-8	Acenaphthylene	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
120-12-7	Anthracene	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
56-55-3	Benzo(a)anthracene	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
50-32-8	Benzo(a)pyrene	< SDL	J7, U	3.36	0.30	0.333	4	mg/Kg	10	02/28/13 22:09
205-99-2	Benzo(b)fluoranthene	< SDL	J7, U	3.36	0.30	0.333	4	mg/Kg	10	02/28/13 22:09
191-24-2	Benzo(g,h,i)perylene	< SDL	J7, U	4.48	0.40	0.333	4	mg/Kg	10	02/28/13 22:09
207-08-9	Benzo(k)fluoranthene	< SDL	J7, U	1.68	0.15	0.333	4	mg/Kg	10	02/28/13 22:09
111-91-1	Bis(2-chloroethoxy) methane	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
111-44-4	Bis(2-chloroethyl) ether	< SDL	U,V1	3.36	0.30	0.333	4	mg/Kg	10	02/28/13 22:09
108-60-1	Bis(2-chloroisopropyl) ether	< SDL	U,V1	1.34	0.12	0.333	4	mg/Kg	10	02/28/13 22:09
117-81-7	Bis(2-ethylhexyl )phthalate	< SDL	U	1.46	0.13	0.333	4	mg/Kg	10	02/28/13 22:09
85-68-7	Butyl benzyl phthalate	< SDL	J7, U	1.23	0.11	0.333	4	mg/Kg	10	02/28/13 22:09
218-01-9	Chrysene	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
53-70-3	Dibenzo(a,h)anthracene	< SDL	J7, U	1.46	0.13	0.333	4	mg/Kg	10	02/28/13 22:09

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Surface Soil #6  
 A&B Job Sample ID: 13020953.06

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>Se i a i e O g a i c C d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	02/19/2013 14:50
QC Batch ID:	Qb13030158	Date Received	02/20/2013 14:40
Prep Method:	SW-846 3550B	Date Prepared	02/28/2013 11:00
Prepared By:	Msonia		
Prep Batch ID	PB13030123		
Analyst Initial	PNS	% Moisture	10.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	< SDL	U	1.23	0.11	0.333	4	mg/Kg	10	02/28/13 22:09
84-66-2	Diethyl phthalate	< SDL	U	1.57	0.14	0.333	4	mg/Kg	10	02/28/13 22:09
131-11-3	Dimethyl phthalate	< SDL	U	1.23	0.11	0.333	4	mg/Kg	10	02/28/13 22:09
84-74-2	Di-n-butyl phthalate	< SDL	U	1.79	0.16	0.333	4	mg/Kg	10	02/28/13 22:09
117-84-0	Di-n-octyl Phthalate	< SDL	J7, U	1.01	0.09	0.333	4	mg/Kg	10	02/28/13 22:09
206-44-0	Fluoranthene	< SDL	U	1.90	0.17	0.333	4	mg/Kg	10	02/28/13 22:09
86-73-7	Fluorene	< SDL	U	1.79	0.16	0.333	4	mg/Kg	10	02/28/13 22:09
118-74-1	Hexachlorobenzene	< SDL	U	0.112	0.010	0.333	4	mg/Kg	10	02/28/13 22:09
87-68-3	Hexachlorobutadiene	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
77-47-4	Hexachlorocyclopentadiene	< SDL	U	1.34	0.12	0.333	4	mg/Kg	10	02/28/13 22:09
67-72-1	Hexachloroethane	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
193-39-5	Indeno(1,2,3-cd)pyrene	< SDL	J7, U	2.24	0.20	0.333	4	mg/Kg	10	02/28/13 22:09
78-59-1	Isophorone	< SDL	U	1.46	0.13	0.333	4	mg/Kg	10	02/28/13 22:09
91-20-3	Naphthalene	< SDL	U	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
98-95-3	Nitrobenzene	< SDL	U,V1	1.34	0.12	0.333	4	mg/Kg	10	02/28/13 22:09
62-75-9	N-Nitrosodimethylamine	< SDL	U	1.01	0.09	0.333	4	mg/Kg	10	02/28/13 22:09
621-64-7	N-nitroso-di-n-propylamine	< SDL	U,V1	1.12	0.10	0.333	4	mg/Kg	10	02/28/13 22:09
87-86-5	Pentachlorophenol	< SDL	U	1.57	0.14	0.333	4	mg/Kg	10	02/28/13 22:09
85-01-8	Phenanthrene	< SDL	U	2.24	0.20	0.333	4	mg/Kg	10	02/28/13 22:09
108-95-2	Phenol	< SDL	U,V1	1.23	0.11	0.333	4	mg/Kg	10	02/28/13 22:09
129-00-0	Pyrene	< SDL	U	2.02	0.18	0.333	4	mg/Kg	10	02/28/13 22:09
118-79-6	2,4,6-Tribromophenol(surr)	47.1				10	120	%	10	02/28/13 22:09
13127-88-3	Phenol-d6(surr)	75.1				15	120	%	10	02/28/13 22:09
132-60-8	2-Fluorobiphenyl(surr)	67.7				30	115	%	10	02/28/13 22:09
1718-51-0	p-Terphenyl-d14(surr)	117				30	140	%	10	02/28/13 22:09
367-12-4	2-Fluorophenol(surr)	60.7				20	115	%	10	02/28/13 22:09
4165-60-0	Nitrobenzene-d5(surr)	70.3				20	120	%	10	02/28/13 22:09

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Surface Soil #6  
 A&B Job Sample ID: 13020953.06

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/19/2013 14:50  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 10.7

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	26.5	23.7	25	1000	mg/Kg	1	02/23/13 01:27
TPH-1005-2	>C12-C28 <sup>1</sup>	92.4		22.7	20.3	25	1000	mg/Kg	1	02/23/13 01:27
TPH-1005-4	>C28-C35 <sup>1</sup>	146		19.8	17.7	25	1000	mg/Kg	1	02/23/13 01:27
	Total C6-C35	238.4				----	----	mg/Kg	1	02/23/13 01:27
111-85-3	1-Chlorooctane(surr)	73				60	143	%	1	02/23/13 01:27
3386-33-2	Chlorooctadecane(surr)	101				60	150	%	1	02/23/13 01:27

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1, 0-4 FT.  
A&B Job Sample ID: 13020953.07

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/20/2013 09:40  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 13.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	13.8				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1, 0-4 FT.  
A&B Job Sample ID: 13020953.07

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a R e c e a b e M e a**  
Analytical Method: SW-846 6010C  
QC Batch ID: Qb13022711  
Prep Method: SW-846 3050B  
Prepared By: PRKasar  
Prep Batch ID: PB13022708  
Analyst Initial: GG

Sample Matrix: Soil  
Date Collected: 02/20/2013 09:40  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/26/2013 08:30

% Moisture: 13.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	1.97		0.116	0.1	0.5	1000	mg/Kg	1	02/27/13 17:24
7440-39-3	Barium	77.8		2.32	0.1	0.5	50	mg/Kg	20	02/27/13 17:30
7440-43-9	Cadmium	< SDL	U	0.046	0.04	0.5	750	mg/Kg	1	02/27/13 17:24
7440-47-3	Chromium	8.58		0.116	0.1	0.5	1000	mg/Kg	1	02/27/13 17:24
7439-92-1	Lead	7.54		0.116	0.1	0.5	2500	mg/Kg	1	02/27/13 17:24
7782-49-2	Selenium	0.812		0.116	0.1	0.5	1000	mg/Kg	1	02/27/13 17:24
7440-22-4	Silver	< SDL	U	0.023	0.02	0.5	100	mg/Kg	1	02/27/13 17:24

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1, 0-4 FT.  
A&B Job Sample ID: 13020953.07

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a M e a - M e c**  
Analytical Method: SW-846 7470A  
QC Batch ID: Qb13022723  
Prep Method: SW-846 7470A  
Prepared By: PRKasar  
Prep Batch ID: PB13022720  
Analyst Initial: PRK

Sample Matrix: Soil  
Date Collected: 02/20/2013 09:40  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/27/2013 08:00

% Moisture: 13.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.01		0.005	0.004	0.004	0.2	mg/Kg	1	02/27/13 11:05

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Boring 1, 0-4 FT.
A&B Job Sample ID: 13020953.07

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 09:40
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 13.8

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1, 0-4 FT.
A&B Job Sample ID: 13020953.07

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 09:40
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 13.8

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring 1, 0-4 FT.  
 A&B Job Sample ID: 13020953.07

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/20/2013 09:40  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 13.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	27.5	23.7	25	1000	mg/Kg	1	02/23/13 02:14
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	23.5	20.3	25	1000	mg/Kg	1	02/23/13 02:14
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	20.5	17.7	25	1000	mg/Kg	1	02/23/13 02:14
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 02:14
111-85-3	1-Chlorooctane(surr)	78.9				60	143	%	1	02/23/13 02:14
3386-33-2	Chlorooctadecane(surr)	92.4				60	150	%	1	02/23/13 02:14

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1, 16-20 FT.  
A&B Job Sample ID: 13020953.08

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/20/2013 09:50  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 26.5

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	26.5				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1, 16-20 FT.
A&B Job Sample ID: 13020953.08

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 09:50
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 26.5

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1, 16-20 FT.
A&B Job Sample ID: 13020953.08

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: Volatile Organics
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 09:50
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 26.5

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring 1, 16-20 FT.  
 A&B Job Sample ID: 13020953.08

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/20/2013 09:50  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 26.5

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	32.2	23.7	25	1000	mg/Kg	1	02/23/13 02:38
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	27.6	20.3	25	1000	mg/Kg	1	02/23/13 02:38
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	24.1	17.7	25	1000	mg/Kg	1	02/23/13 02:38
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 02:38
111-85-3	1-Chlorooctane(surr)	94.3				60	143	%	1	02/23/13 02:38
3386-33-2	Chlorooctadecane(surr)	106				60	150	%	1	02/23/13 02:38

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1, 20-24 FT.  
A&B Job Sample ID: 13020953.09

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/20/2013 09:55  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 22.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	22.1				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis

**LABORATORY TEST RESULTS --- TRRP 13**Client Sample ID: Boring 1, 20-24 FT.  
A&B Job Sample ID: 13020953.09

Date: 3/11/2013

Client Name: Bio-West  
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: **V a i e O g a i c C d**  
Analytical Method: SW-846 8260C  
QC Batch ID: Qb13022266  
Prep Method: SW-846 5035A  
Prepared By: Yzhang  
Prep Batch ID: PB13022255  
Analyst Initial: YZSample Matrix: Soil  
Date Collected: 02/20/2013 09:55  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/20/2013 15:40

% Moisture: 22.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-34-3	1,1-Dichloroethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-35-4	1,1-Dichloroethylene	< SDL	U,V6	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
563-58-6	1,1-Dichloropropene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
87-61-6	1,2,3-trichlorobenzene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
96-18-4	1,2,3-Trichloropropane	< SDL	U	0.006	0.005	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
120-82-1	1,2,4-Trichlorobenzene	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
95-63-6	1,2,4-Trimethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
96-12-8	1,2-Dibromo-3-chloropropane	< SDL	U	0.005	0.0045	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
106-93-4	1,2-Dibromoethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
107-06-2	1,2-Dichloroethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
78-87-5	1,2-Dichloropropane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
108-67-8	1,3,5-Trimethylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.003	0.0027	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
142-28-9	1,3-Dichloropropane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
594-20-7	2,2-Dichloropropane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
95-49-8	2-Chlorotoluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
106-43-4	4-Chlorotoluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
99-87-6	4-Isopropyltoluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
71-43-2	Benzene	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
108-86-1	Bromobenzene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
74-97-5	Bromochloromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-27-4	Bromodichloromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-25-2	Bromoform	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
74-83-9	Bromomethane	< SDL	J7, U, V6,V6	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
56-23-5	Carbon tetrachloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
108-90-7	Chlorobenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-00-3	Chloroethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
67-66-3	Chloroform	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
74-87-3	Chloromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
156-59-2	cis-1,2-Dichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring 1, 20-24 FT.  
 A&B Job Sample ID: 13020953.09

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C      d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/20/2013 09:55
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	22.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
124-48-1	Dibromochloromethane	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-71-8	Dichlorodifluoromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
100-41-4	Ethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
98-82-8	Isopropylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.005	0.0045	0.01	0.1	mg/Kg	0.93	02/21/13 06:20
78-93-3	MEK	< SDL	U	0.006	0.005	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-09-2	Methylene chloride	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
95-47-6	o-Xylene	< SDL	U	0.002	0.0020	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
100-42-5	Styrene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
127-18-4	Tetrachloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
75-01-4	Vinyl Chloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 06:20
1330-20-7	Xylenes	< SDL	U	0.006	0.005	0.005	0.15	mg/Kg	0.93	02/21/13 06:20
17060-07-0	1,2-Dichloroethane-d4(surr)	109				70	130	%	0.93	02/21/13 06:20
1868-53-7	Dibromofluoromethane(surr)	104				70	130	%	0.93	02/21/13 06:20
2037-26-5	Toluene-d8(surr)	101				70	130	%	0.93	02/21/13 06:20
460-00-4	p-Bromofluorobenzene(surr)	98.7				70	130	%	0.93	02/21/13 06:20

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring 1, 20-24 FT.  
 A&B Job Sample ID: 13020953.09

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/20/2013 09:55  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 22.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	30.4	23.7	25	1000	mg/Kg	1	02/23/13 03:02
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	26.1	20.3	25	1000	mg/Kg	1	02/23/13 03:02
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	22.7	17.7	25	1000	mg/Kg	1	02/23/13 03:02
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 03:02
111-85-3	1-Chlorooctane(surr)	76.7				60	143	%	1	02/23/13 03:02
3386-33-2	Chlorooctadecane(surr)	90.7				60	150	%	1	02/23/13 03:02

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Boring 1
A&B Job Sample ID: 13020953.10

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot
Project Name: 1372.1 / F.M 565 Extension

Test Description: A i
Analytical Method: EPA 300.0
QC Batch ID: Qb13022212
Prep Method: EPA 300.0
Prepared By: KKrch
Prep Batch ID: PB13022223

Sample Matrix: Water
Date Collected: 02/20/2013 10:15
Date Received: 02/20/2013 14:40
Date Prepared: 02/21/2013 16:00

Analyst Initial: KMK

% Moisture

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows include Nitrite-N, Nitrate-N, and Nitrate/Nitrite as N.



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring 1  
 A&B Job Sample ID: 13020953.10

Date: 3/11/2013

Client Name: Bio-West  
 Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: **V a i e O g a i c C d**  
 Analytical Method: EPA 624  
 QC Batch ID: Qb13022267  
 Prep Method: EPA 624  
 Prepared By: Yzhang  
 Prep Batch ID: PB13022256  
 Analyst Initial: YZ

Sample Matrix: Water  
 Date Collected: 02/20/2013 10:15  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/20/2013 16:00

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
75-34-3	1,1-Dichloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
75-35-4	1,1-Dichloroethylene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
107-06-2	1,2-Dichloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
71-43-2	Benzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
75-27-4	Bromodichloromethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
75-25-2	Bromoform	< SDL	U	0.002	0.002	0.005	0.05	mg/L	1	02/20/13 19:21
74-83-9	Bromomethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
56-23-5	Carbon tetrachloride	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
108-90-7	Chlorobenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
75-00-3	Chloroethane	< SDL	U	0.002	0.002	0.005	0.05	mg/L	1	02/20/13 19:21
67-66-3	Chloroform	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
74-87-3	Chloromethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
124-48-1	Dibromochloromethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
100-41-4	Ethylbenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
75-09-2	Methylene chloride	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
127-18-4	Tetrachloroethylene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
108-88-3	Toluene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
79-01-6	Trichloroethylene	< SDL	U	0.003	0.003	0.005	0.05	mg/L	1	02/20/13 19:21
75-69-4	Trichlorofluoromethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
75-01-4	Vinyl Chloride	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 19:21
17060-07-0	1,2-Dichloroethane-d4(surr)	100				70	130	%	1	02/20/13 19:21
1868-53-7	Dibromofluoromethane(surr)	103				70	130	%	1	02/20/13 19:21
2037-26-5	Toluene-d8(surr)	101				70	130	%	1	02/20/13 19:21
460-00-4	p-Bromofluorobenzene(surr)	99				70	130	%	1	02/20/13 19:21

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1  
A&B Job Sample ID: 13020953.10

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a Kje dah Ni ge**  
Analytical Method: SM 4500NH3D  
QC Batch ID: Qb13022567  
Prep Method: SM 4500NorgB  
Prepared By: Srani  
Prep Batch ID: PB13022557  
Analyst Initial: SR

Sample Matrix: Water  
Date Collected: 02/20/2013 10:15  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/25/2013 08:20

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TKN	17.1		1.50	0.30	0.5	10	mg/L	5	03/01/13 16:32



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 1  
A&B Job Sample ID: 13020953.10

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **C a c a i f c i e d e h d**  
Analytical Method: SM4500NH3D/EPA 300  
QC Batch ID: Qb13022560  
Prep Method: SM4500NH3D/EPA 300  
Prepared By: Srani  
Prep Batch ID: PB13022552  
Analyst Initial: SR

Sample Matrix: Water  
Date Collected: 02/20/2013 10:15  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/25/2013 08:10

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Total Nitrogen <sup>1</sup>	17.1				----	----	mg/L	1	03/01/13 16:45

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring 1  
 A&B Job Sample ID: 13020953.10

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	02/20/2013 10:15
QC Batch ID:	Qb13022528	Date Received	02/20/2013 14:40
Prep Method:	TX 1005	Date Prepared	02/21/2013 17:00
Prepared By:	JShah		
Prep Batch ID	PB13022530		
Analyst Initial	JYS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	D3,U	0.904	0.66	1.5	60	mg/L	1.37	02/26/13 08:00
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	1.18	0.86	1.5	60	mg/L	1.37	02/26/13 08:00
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	1.03	0.75	1.5	60	mg/L	1.37	02/26/13 08:00
	Total C6-C35	< SDL				----	----	mg/L	1.37	02/26/13 08:00
111-85-3	1-Chlorooctane(surr)	98.8				59	122	%	1.37	02/26/13 08:00
3386-33-2	Chlorooctadecane(surr)	133				48	123	%	1.37	02/26/13 08:00

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 2, 0-4 FT  
A&B Job Sample ID: 13020953.11

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/20/2013 11:10  
QC Batch ID: Qb13022650 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 16.6

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	16.6				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 2, 0-4 FT
A&B Job Sample ID: 13020953.11

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot
Project Name: 1372.1 / F.M 565 Extension

Test Description: T a Rec e a b e M e a
Analytical Method: SW-846 6010C
QC Batch ID: Qb13022711
Prep Method: SW-846 3050B
Prepared By: PRKasar
Prep Batch ID: PB13022708
Analyst Initial: GG

Sample Matrix: Soil
Date Collected: 02/20/2013 11:10
Date Received: 02/20/2013 14:40
Date Prepared: 02/26/2013 08:30

% Moisture: 16.6

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows include Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, and Silver.

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 2, 0-4 FT  
A&B Job Sample ID: 13020953.11

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a M e a - M e c**  
Analytical Method: SW-846 7470A  
QC Batch ID: Qb13022723  
Prep Method: SW-846 7470A  
Prepared By: PRKasar  
Prep Batch ID: PB13022720  
Analyst Initial: PRK

Sample Matrix: Soil  
Date Collected: 02/20/2013 11:10  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/27/2013 08:00

% Moisture: 16.6

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.006		0.005	0.004	0.004	0.2	mg/Kg	1	02/27/13 11:08

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 2, 12-16 FT.  
A&B Job Sample ID: 13020953.12

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/20/2013 11:15  
QC Batch ID: Qb13022651 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 21.6

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	21.6				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Boring 2, 12-16 FT.
A&B Job Sample ID: 13020953.12

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 11:15
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 21.6

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring 2, 12-16 FT.  
 A&B Job Sample ID: 13020953.12

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C      d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/20/2013 11:15
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	21.6

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
124-48-1	Dibromochloromethane	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
75-71-8	Dichlorodifluoromethane	< SDL	U	0.003	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
100-41-4	Ethylbenzene	< SDL	U	0.003	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
98-82-8	Isopropylbenzene	< SDL	U	0.003	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.006	0.0045	0.01	0.1	mg/Kg	1.00	02/21/13 03:11
78-93-3	MEK	< SDL	U	0.006	0.005	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
75-09-2	Methylene chloride	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
95-47-6	o-Xylene	< SDL	U	0.003	0.0020	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
100-42-5	Styrene	< SDL	U	0.003	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
127-18-4	Tetrachloroethylene	< SDL	U	0.003	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.003	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
75-01-4	Vinyl Chloride	< SDL	U	0.003	0.002	0.005	0.05	mg/Kg	1.00	02/21/13 03:11
1330-20-7	Xylenes	< SDL	U	0.006	0.005	0.005	0.15	mg/Kg	1.00	02/21/13 03:11
17060-07-0	1,2-Dichloroethane-d4(surr)	105				70	130	%	1.00	02/21/13 03:11
1868-53-7	Dibromofluoromethane(surr)	102				70	130	%	1.00	02/21/13 03:11
2037-26-5	Toluene-d8(surr)	105				70	130	%	1.00	02/21/13 03:11
460-00-4	p-Bromofluorobenzene(surr)	97.9				70	130	%	1.00	02/21/13 03:11

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring 2, 12-16 FT.  
 A&B Job Sample ID: 13020953.12

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/20/2013 11:15  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 21.6

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	30.2	23.7	25	1000	mg/Kg	1	02/23/13 03:25
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	25.9	20.3	25	1000	mg/Kg	1	02/23/13 03:25
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	22.6	17.7	25	1000	mg/Kg	1	02/23/13 03:25
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 03:25
111-85-3	1-Chlorooctane(surr)	84.2				60	143	%	1	02/23/13 03:25
3386-33-2	Chlorooctadecane(surr)	97.8				60	150	%	1	02/23/13 03:25

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 2, 24-28 FT.  
A&B Job Sample ID: 13020953.13

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/20/2013 11:00  
QC Batch ID: Qb13022651 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 19.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	19.3				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Boring 2, 24-28 FT.
A&B Job Sample ID: 13020953.13

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 11:00
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 19.3

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring 2, 24-28 FT.  
 A&B Job Sample ID: 13020953.13

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/20/2013 11:00
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	19.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MLQ	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
124-48-1	Dibromochloromethane	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
75-71-8	Dichlorodifluoromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
100-41-4	Ethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
98-82-8	Isopropylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.005	0.0045	0.01	0.1	mg/Kg	0.93	02/21/13 05:49
78-93-3	MEK	< SDL	U	0.006	0.005	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
75-09-2	Methylene chloride	< SDL	U	0.003	0.003	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
95-47-6	o-Xylene	< SDL	U	0.002	0.0020	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
100-42-5	Styrene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
127-18-4	Tetrachloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
75-01-4	Vinyl Chloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.93	02/21/13 05:49
1330-20-7	Xylenes	< SDL	U	0.006	0.005	0.005	0.15	mg/Kg	0.93	02/21/13 05:49
17060-07-0	1,2-Dichloroethane-d4(surr)	110				70	130	%	0.93	02/21/13 05:49
1868-53-7	Dibromofluoromethane(surr)	105				70	130	%	0.93	02/21/13 05:49
2037-26-5	Toluene-d8(surr)	102				70	130	%	0.93	02/21/13 05:49
460-00-4	p-Bromofluorobenzene(surr)	102				70	130	%	0.93	02/21/13 05:49

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring 2, 24-28 FT.  
 A&B Job Sample ID: 13020953.13

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/20/2013 11:00  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 19.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	29.4	23.7	25	1000	mg/Kg	1	02/23/13 03:49
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	25.2	20.3	25	1000	mg/Kg	1	02/23/13 03:49
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	21.9	17.7	25	1000	mg/Kg	1	02/23/13 03:49
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 03:49
111-85-3	1-Chlorooctane(surr)	84.6				60	143	%	1	02/23/13 03:49
3386-33-2	Chlorooctadecane(surr)	99.5				60	150	%	1	02/23/13 03:49

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring 2  
 A&B Job Sample ID: 13020953.14

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>A i</b>	Sample Matrix	Water
Analytical Method:	EPA 300.0	Date Collected	02/20/2013 11:45
QC Batch ID:	Qb13022212	Date Received	02/20/2013 14:40
Prep Method:	EPA 300.0	Date Prepared	02/21/2013 16:00
Prepared By:	KKrch		
Prep Batch ID	PB13022223		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Nitrite-N	< SDL	D2,U	0.300	0.03	0.1	10	mg/L	10	02/22/13 04:22
	Nitrate-N	3.02		0.300	0.03	0.1	10	mg/L	10	02/22/13 04:22
	Nitrate/Nitrite as N	3.02		0.400	0.04	0.1	10	mg/L	10	02/22/13 04:22

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 2
A&B Job Sample ID: 13020953.14

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: EPA 624
QC Batch ID: Qb13022267
Prep Method: EPA 624
Prepared By: Yzhang
Prep Batch ID: PB13022256
Analyst Initial: YZ

Sample Matrix: Water
Date Collected: 02/20/2013 11:45
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 16:00

% Moisture

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Contains multiple rows of chemical test results.

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 2  
A&B Job Sample ID: 13020953.14

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a Kje dah Ni ge**  
Analytical Method: SM 4500NH3D  
QC Batch ID: Qb13022567  
Prep Method: SM 4500NorgB  
Prepared By: Srani  
Prep Batch ID: PB13022557  
Analyst Initial: SR

Sample Matrix: Water  
Date Collected: 02/20/2013 11:45  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/25/2013 08:20

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MLQ	UQL	Units	DF	Date/Time
	TKN	13.4		1.50	0.30	0.5	10	mg/L	5	03/01/13 16:32



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring 2  
A&B Job Sample ID: 13020953.14

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **C a c a i f c i e d e h d**  
Analytical Method: SM4500NH3D/EPA 300  
QC Batch ID: Qb13022560  
Prep Method: SM4500NH3D/EPA 300  
Prepared By: Srani  
Prep Batch ID: PB13022552  
Analyst Initial: SR

Sample Matrix: Water  
Date Collected: 02/20/2013 11:45  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/25/2013 08:10

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Total Nitrogen <sup>1</sup>	16.4				----	----	mg/L	1	03/01/13 16:45

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring 2  
 A&B Job Sample ID: 13020953.14

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	02/20/2013 11:45
QC Batch ID:	Qb13022528	Date Received	02/20/2013 14:40
Prep Method:	TX 1005	Date Prepared	02/21/2013 17:00
Prepared By:	JShah		
Prep Batch ID	PB13022530		
Analyst Initial	JYS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	D3,U	0.917	0.66	1.5	60	mg/L	1.390	02/26/13 08:00
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	1.20	0.86	1.5	60	mg/L	1.390	02/26/13 08:00
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	1.04	0.75	1.5	60	mg/L	1.390	02/26/13 08:00
	Total C6-C35	< SDL				----	----	mg/L	1.390	02/26/13 08:00
111-85-3	1-Chlorooctane(surr)	105				59	122	%	1.390	02/26/13 08:00
3386-33-2	Chlorooctadecane(surr)	159				48	123	%	1.390	02/26/13 08:00

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring #3, 0-4'  
 A&B Job Sample ID: 13020953.15

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>% M i e</b>	Sample Matrix	Soil
Analytical Method:	SM 2540G	Date Collected	02/20/2013 12:30
QC Batch ID:	Qb13022651	Date Received	02/20/2013 14:40
Prep Method:	SM 2540G	Date Prepared	02/26/2013 15:39
Prepared By:	Ksudha		
Prep Batch ID	PB13022633		
Analyst Initial	KS	% Moisture	25.5

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	25.5				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring #3, 0-4'  
A&B Job Sample ID: 13020953.15

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a R e c e a b e M e a**  
Analytical Method: SW-846 6010C  
QC Batch ID: Qb13022711  
Prep Method: SW-846 3050B  
Prepared By: PRKasar  
Prep Batch ID: PB13022708  
Analyst Initial: GG

Sample Matrix: Soil  
Date Collected: 02/20/2013 12:30  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/26/2013 08:30

% Moisture: 25.5

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	2.42		0.134	0.1	0.5	1000	mg/Kg	1	02/27/13 18:08
7440-39-3	Barium	104		2.68	0.1	0.5	50	mg/Kg	20	02/28/13 16:52
7440-43-9	Cadmium	< SDL	U	0.054	0.04	0.5	750	mg/Kg	1	02/27/13 18:08
7440-47-3	Chromium	14.5		0.134	0.1	0.5	1000	mg/Kg	1	02/27/13 18:08
7439-92-1	Lead	5.50		0.134	0.1	0.5	2500	mg/Kg	1	02/27/13 18:08
7782-49-2	Selenium	0.805		0.134	0.1	0.5	1000	mg/Kg	1	02/27/13 18:08
7440-22-4	Silver	< SDL	U	0.027	0.02	0.5	100	mg/Kg	1	02/27/13 18:08

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring #3, 0-4'  
A&B Job Sample ID: 13020953.15

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a M e a - M e c**  
Analytical Method: SW-846 7470A  
QC Batch ID: Qb13022723  
Prep Method: SW-846 7470A  
Prepared By: PRKasar  
Prep Batch ID: PB13022720  
Analyst Initial: PRK

Sample Matrix: Soil  
Date Collected: 02/20/2013 12:30  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/27/2013 08:00

% Moisture: 25.5

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.017		0.011	0.004	0.004	0.2	mg/Kg	2	02/27/13 11:11

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring #3, 0-4'
A&B Job Sample ID: 13020953.15

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 12:30
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 25.5

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring #3, 0-4'  
 A&B Job Sample ID: 13020953.15

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C      d</b>	Sample Matrix	Soil
Analytical Method:	SW-846 8260C	Date Collected	02/20/2013 12:30
QC Batch ID:	Qb13022266	Date Received	02/20/2013 14:40
Prep Method:	SW-846 5035A	Date Prepared	02/20/2013 15:40
Prepared By:	Yzhang		
Prep Batch ID	PB13022255		
Analyst Initial	YZ	% Moisture	25.5

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
124-48-1	Dibromochloromethane	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
74-95-3	Dibromomethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
75-71-8	Dichlorodifluoromethane	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
100-41-4	Ethylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
98-82-8	Isopropylbenzene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
108-38-3&106-4	m- & p-Xylenes	< SDL	U	0.006	0.0045	0.01	0.1	mg/Kg	0.92	02/21/13 00:03
78-93-3	MEK	< SDL	U	0.006	0.005	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
75-09-2	Methylene chloride	< SDL	U	0.004	0.003	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
91-20-3	Naphthalene	< SDL	U	0.004	0.0035	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
104-51-8	n-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
103-65-1	n-Propylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
95-47-6	o-Xylene	< SDL	U	0.002	0.0020	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
135-98-8	sec-Butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
100-42-5	Styrene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
98-06-6	t-butylbenzene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
127-18-4	Tetrachloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
108-88-3	Toluene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
79-01-6	Trichloroethylene	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
75-69-4	Trichlorofluoromethane	< SDL	U	0.003	0.0025	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
75-01-4	Vinyl Chloride	< SDL	U	0.002	0.002	0.005	0.05	mg/Kg	0.92	02/21/13 00:03
1330-20-7	Xylenes	< SDL	U	0.006	0.005	0.005	0.15	mg/Kg	0.92	02/21/13 00:03
17060-07-0	1,2-Dichloroethane-d4(surr)	98.6				70	130	%	0.92	02/21/13 00:03
1868-53-7	Dibromofluoromethane(surr)	98				70	130	%	0.92	02/21/13 00:03
2037-26-5	Toluene-d8(surr)	97.6				70	130	%	0.92	02/21/13 00:03
460-00-4	p-Bromofluorobenzene(surr)	95.9				70	130	%	0.92	02/21/13 00:03

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring #3, 0-4'  
 A&B Job Sample ID: 13020953.15

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/20/2013 12:30  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 25.5

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	31.8	23.7	25	1000	mg/Kg	1	02/23/13 04:12
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	27.2	20.3	25	1000	mg/Kg	1	02/23/13 04:12
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	23.8	17.7	25	1000	mg/Kg	1	02/23/13 04:12
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 04:12
111-85-3	1-Chlorooctane(surr)	88.3				60	143	%	1	02/23/13 04:12
3386-33-2	Chlorooctadecane(surr)	102				60	150	%	1	02/23/13 04:12

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring #3, 12-16'  
A&B Job Sample ID: 13020953.16

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: % M i e Sample Matrix: Soil  
Analytical Method: SM 2540G Date Collected: 02/20/2013 12:40  
QC Batch ID: Qb13022651 Date Received: 02/20/2013 14:40  
Prep Method: SM 2540G Date Prepared: 02/26/2013 15:39  
Prepared By: Ksudha  
Prep Batch ID: PB13022633  
Analyst Initial: KS % Moisture: 26.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture <sup>1</sup>	26.3				----	----	%	1	02/26/13 16:45

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP 13

Client Sample ID: Boring #3, 12-16'
A&B Job Sample ID: 13020953.16

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 12:40
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 26.3

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds and their test results.

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring #3, 12-16'
A&B Job Sample ID: 13020953.16

Date: 3/11/2013

Client Name: Bio-West
Project Name: 1372.1 / F.M 565 Extension

Attn: Melissa Fontenot

Test Description: V a i e O g a i c C d
Analytical Method: SW-846 8260C
QC Batch ID: Qb13022266
Prep Method: SW-846 5035A
Prepared By: Yzhang
Prep Batch ID: PB13022255
Analyst Initial: YZ

Sample Matrix: Soil
Date Collected: 02/20/2013 12:40
Date Received: 02/20/2013 14:40
Date Prepared: 02/20/2013 15:40

% Moisture: 26.3

Table with 11 columns: CAS Number, Parameter, Result, Flag, SDL, MDL, MQL, UQL, Units, DF, Date/Time. Rows list various chemical compounds like cis-1,3-Dichloropropene, Dibromochloromethane, etc., with their respective test results and detection limits.

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring #3, 12-16'  
 A&B Job Sample ID: 13020953.16

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a P e e H d c a b**  
 Analytical Method: TX 1005  
 QC Batch ID: Qb13022508  
 Prep Method: TX 1005  
 Prepared By: JShah  
 Prep Batch ID: PB13022509  
 Analyst Initial: JYS

Sample Matrix: Soil  
 Date Collected: 02/20/2013 12:40  
 Date Received: 02/20/2013 14:40  
 Date Prepared: 02/21/2013 14:00

% Moisture: 26.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	Q18, U	32.2	23.7	25	1000	mg/Kg	1	02/23/13 04:36
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	27.5	20.3	25	1000	mg/Kg	1	02/23/13 04:36
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	24	17.7	25	1000	mg/Kg	1	02/23/13 04:36
	Total C6-C35	< SDL				----	----	mg/Kg	1	02/23/13 04:36
111-85-3	1-Chlorooctane(surr)	87.6				60	143	%	1	02/23/13 04:36
3386-33-2	Chlorooctadecane(surr)	101				60	150	%	1	02/23/13 04:36

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring #3  
 A&B Job Sample ID: 13020953.17

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>A i</b>	Sample Matrix	Water
Analytical Method:	EPA 300.0	Date Collected	02/20/2013 12:55
QC Batch ID:	Qb13022212	Date Received	02/20/2013 14:40
Prep Method:	EPA 300.0	Date Prepared	02/21/2013 16:00
Prepared By:	KKrch		
Prep Batch ID	PB13022223		
Analyst Initial	KMK	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Nitrite-N	< SDL	D2,U	0.300	0.03	0.1	10	mg/L	10	02/22/13 07:17
	Nitrate-N	5.26		0.300	0.03	0.1	10	mg/L	10	02/22/13 07:17
	Nitrate/Nitrite as N	5.26		0.400	0.04	0.1	10	mg/L	10	02/22/13 07:17

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP 13**

Client Sample ID: Boring #3  
 A&B Job Sample ID: 13020953.17

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:	<b>V a i e O g a i c C d</b>	Sample Matrix	Water
Analytical Method:	EPA 624	Date Collected	02/20/2013 12:55
QC Batch ID:	Qb13022267	Date Received	02/20/2013 14:40
Prep Method:	EPA 624	Date Prepared	02/20/2013 16:00
Prepared By:	Yzhang		
Prep Batch ID	PB13022256		
Analyst Initial	YZ	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
71-55-6	1,1,1-Trichloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
79-34-5	1,1,2,2-Tetrachloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
79-00-5	1,1,2-Trichloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
75-34-3	1,1-Dichloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
75-35-4	1,1-Dichloroethylene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
95-50-1	1,2-Dichlorobenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
107-06-2	1,2-Dichloroethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
541-73-1	1,3-Dichlorobenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
106-46-7	1,4-Dichlorobenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
71-43-2	Benzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
75-27-4	Bromodichloromethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
75-25-2	Bromoform	< SDL	U	0.002	0.002	0.005	0.05	mg/L	1	02/20/13 20:24
74-83-9	Bromomethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
56-23-5	Carbon tetrachloride	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
108-90-7	Chlorobenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
75-00-3	Chloroethane	< SDL	U	0.002	0.002	0.005	0.05	mg/L	1	02/20/13 20:24
67-66-3	Chloroform	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
74-87-3	Chloromethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
10061-01-5	cis-1,3-Dichloropropene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
124-48-1	Dibromochloromethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
100-41-4	Ethylbenzene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
75-09-2	Methylene chloride	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
127-18-4	Tetrachloroethylene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
108-88-3	Toluene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
156-60-5	trans-1,2-Dichloroethylene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
10061-02-6	trans-1,3-Dichloropropene	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
79-01-6	Trichloroethylene	< SDL	U	0.003	0.003	0.005	0.05	mg/L	1	02/20/13 20:24
75-69-4	Trichlorofluoromethane	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
75-01-4	Vinyl Chloride	< SDL	U	0.001	0.001	0.005	0.05	mg/L	1	02/20/13 20:24
17060-07-0	1,2-Dichloroethane-d4(surr)	104				70	130	%	1	02/20/13 20:24
1868-53-7	Dibromofluoromethane(surr)	101				70	130	%	1	02/20/13 20:24
2037-26-5	Toluene-d8(surr)	98.7				70	130	%	1	02/20/13 20:24
460-00-4	p-Bromofluorobenzene(surr)	96.7				70	130	%	1	02/20/13 20:24

Soil results reported on dry weight basis



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring #3  
A&B Job Sample ID: 13020953.17

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **T a Kje dah Ni ge**  
Analytical Method: SM 4500NH3D  
QC Batch ID: Qb13022567  
Prep Method: SM 4500NorgB  
Prepared By: Srani  
Prep Batch ID: PB13022557  
Analyst Initial: SR

Sample Matrix: Water  
Date Collected: 02/20/2013 12:55  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/25/2013 08:20

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	TKN	15.3		1.50	0.30	0.5	10	mg/L	5	03/01/13 16:32



LABORATORY TEST RESULTS --- TRRP13

Client Sample ID: Boring #3  
A&B Job Sample ID: 13020953.17

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
Project Name: 1372.1 / F.M 565 Extension

Test Description: **C a c a i f c i e d e h d**  
Analytical Method: SM4500NH3D/EPA 300  
QC Batch ID: Qb13022560  
Prep Method: SM4500NH3D/EPA 300  
Prepared By: Srani  
Prep Batch ID: PB13022552  
Analyst Initial: SR

Sample Matrix: Water  
Date Collected: 02/20/2013 12:55  
Date Received: 02/20/2013 14:40  
Date Prepared: 02/25/2013 08:10

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	Total Nitrogen <sup>1</sup>	20.6				----	----	mg/L	1	03/01/13 16:45

Soil results reported on dry weight basis



**LABORATORY TEST RESULTS --- TRRP13**

Client Sample ID: Boring #3  
 A&B Job Sample ID: 13020953.17

Date: 3/11/2013

Client Name: Bio-West Attn: Melissa Fontenot  
 Project Name: 1372.1 / F.M 565 Extension

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	02/20/2013 12:55
QC Batch ID:	Qb13022528	Date Received	02/20/2013 14:40
Prep Method:	TX 1005	Date Prepared	02/21/2013 17:00
Prepared By:	JShah		
Prep Batch ID	PB13022530		
Analyst Initial	JYS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
TPH-1005-1	C6-C12 <sup>1</sup>	< SDL	D3,U	0.891	0.66	1.5	60	mg/L	1.35	02/26/13 08:00
TPH-1005-2	>C12-C28 <sup>1</sup>	< SDL	U	1.16	0.86	1.5	60	mg/L	1.35	02/26/13 08:00
TPH-1005-4	>C28-C35 <sup>1</sup>	< SDL	U	1.01	0.75	1.5	60	mg/L	1.35	02/26/13 08:00
	Total C6-C35	< SDL				----	----	mg/L	1.35	02/26/13 08:00
111-85-3	1-Chlorooctane(surr)	75.4				59	122	%	1.35	02/26/13 08:00
3386-33-2	Chlorooctadecane(surr)	111				48	123	%	1.35	02/26/13 08:00

Soil results reported on dry weight basis  
<sup>1</sup>-Parameter not available for accreditation

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Anions

**Method :** EPA 300.0

**Reporting Units :** mg/L

**QC Batch ID :** Qb13022212

**Created Date :** 02/21/13

**Created By :** KKrch

**Samples in This QC Batch :** 13020953.10,14,17

**Sample Preparation :** PB13022223

**Prep Method :** EPA 300.0

**Prep Date :** 02/21/13 16:00 **Prep By :** KKrch

**QC Type: Method Blank**

Parameter	CAS #	Result	Units	D.F.	ML	MDL		Qual
Nitrite-N		< MDL	mg/L	1	0.1	0.03		
Nitrate-N		< MDL	mg/L	1	0.1	0.03		
Nitrate/Nitrite as N		< MDL	mg/L	1	0.1	0.04		

**QC Type: LCS and LCSD**

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrLimit	%Recovery CtrLimit	Qual
Nitrite-N	1	1.04	104	1	1.01	101	2.9	20	90-110	
Nitrate-N	1	0.977	97.7	1	0.993	99.3	1.6	20	90-110	
Nitrate/Nitrite as N	2	2.017	101	2	2.003	100	0.7	20	90-110	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Volatile Organic Compounds      **Method :** SW-846 8260C      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022266      **Created Date :** 02/20/13      **Created By :** Yzhang

**Samples in This QC Batch :** 13020953.01,02,03,04,05,06,07,08,09,12,13,15,16

**Sample Preparation :** PB13022255      **Prep Method :** SW-846 5035A      **Prep Date :** 02/20/13 15:40      **Prep By :** Yzhang

<b>QC Type: Method Blank</b>							
Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
1,1,1,2-Tetrachloroethane	630-20-6	< MDL	mg/Kg	1	0.005	0.0025	
1,1,1-Trichloroethane	71-55-6	< MDL	mg/Kg	1	0.005	0.003	
1,1,2,2-Tetrachloroethane	79-34-5	< MDL	mg/Kg	1	0.005	0.0025	
1,1,2-Trichloroethane	79-00-5	< MDL	mg/Kg	1	0.005	0.0025	
1,1-Dichloroethane	75-34-3	< MDL	mg/Kg	1	0.005	0.002	
1,1-Dichloroethylene	75-35-4	< MDL	mg/Kg	1	0.005	0.002	
1,1-Dichloropropene	563-58-6	< MDL	mg/Kg	1	0.005	0.002	
1,2,3-trichlorobenzene	87-61-6	< MDL	mg/Kg	1	0.005	0.0035	
1,2,3-Trichloropropane	96-18-4	< MDL	mg/Kg	1	0.005	0.005	
1,2,4-Trichlorobenzene	120-82-1	< MDL	mg/Kg	1	0.005	0.003	
1,2,4-Trimethylbenzene	95-63-6	< MDL	mg/Kg	1	0.005	0.002	
1,2-Dibromo-3-chloropropa	96-12-8	< MDL	mg/Kg	1	0.005	0.0045	
1,2-Dibromoethane	106-93-4	< MDL	mg/Kg	1	0.005	0.0025	
1,2-Dichlorobenzene	95-50-1	< MDL	mg/Kg	1	0.005	0.0025	
1,2-Dichloroethane	107-06-2	< MDL	mg/Kg	1	0.005	0.0025	
1,2-Dichloropropane	78-87-5	< MDL	mg/Kg	1	0.005	0.0025	
1,3,5-Trimethylbenzene	108-67-8	< MDL	mg/Kg	1	0.005	0.0025	
1,3-Dichlorobenzene	541-73-1	< MDL	mg/Kg	1	0.005	0.0027	
1,3-Dichloropropane	142-28-9	< MDL	mg/Kg	1	0.005	0.0025	
1,4-Dichlorobenzene	106-46-7	< MDL	mg/Kg	1	0.005	0.0025	
2,2-Dichloropropane	594-20-7	< MDL	mg/Kg	1	0.005	0.0025	
2-Chlorotoluene	95-49-8	< MDL	mg/Kg	1	0.005	0.0025	
4-Chlorotoluene	106-43-4	< MDL	mg/Kg	1	0.005	0.0025	
4-Isopropyltoluene	99-87-6	< MDL	mg/Kg	1	0.005	0.0025	
Benzene	71-43-2	< MDL	mg/Kg	1	0.005	0.003	
Bromobenzene	108-86-1	< MDL	mg/Kg	1	0.005	0.0035	
Bromochloromethane	74-97-5	< MDL	mg/Kg	1	0.005	0.0025	
Bromodichloromethane	75-27-4	< MDL	mg/Kg	1	0.005	0.0025	
Bromoform	75-25-2	< MDL	mg/Kg	1	0.005	0.0025	
Bromomethane	74-83-9	< MDL	mg/Kg	1	0.005	0.002	
Carbon tetrachloride	56-23-5	< MDL	mg/Kg	1	0.005	0.002	
Chlorobenzene	108-90-7	< MDL	mg/Kg	1	0.005	0.002	
Chloroethane	75-00-3	< MDL	mg/Kg	1	0.005	0.002	
Chloroform	67-66-3	< MDL	mg/Kg	1	0.005	0.0025	
Chloromethane	74-87-3	< MDL	mg/Kg	1	0.005	0.002	
cis-1,2-Dichloroethylene	156-59-2	< MDL	mg/Kg	1	0.005	0.0025	
cis-1,3-Dichloropropene	10061-01-5	< MDL	mg/Kg	1	0.005	0.0025	
Dibromochloromethane	124-48-1	< MDL	mg/Kg	1	0.005	0.003	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Volatile Organic Compounds      **Method :** SW-846 8260C      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022266      **Created Date :** 02/20/13      **Created By :** Yzhang

**Samples in This QC Batch :** 13020953.01,02,03,04,05,06,07,08,09,12,13,15,16

<b>QC Type: Method Blank</b>								
Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Dibromomethane	74-95-3	< MDL	mg/Kg	1	0.005	0.0025		
Dichlorodifluoromethane	75-71-8	< MDL	mg/Kg	1	0.005	0.002		
Ethylbenzene	100-41-4	< MDL	mg/Kg	1	0.005	0.002		
Isopropylbenzene	98-82-8	< MDL	mg/Kg	1	0.005	0.002		
m- & p-Xylenes	108-38-3&106-42-3	< MDL	mg/Kg	1	0.01	0.0045		
MEK	78-93-3	< MDL	mg/Kg	1	0.005	0.005		
Methylene chloride	75-09-2	< MDL	mg/Kg	1	0.005	0.003		
Naphthalene	91-20-3	< MDL	mg/Kg	1	0.005	0.0035		
n-Butylbenzene	104-51-8	< MDL	mg/Kg	1	0.005	0.0025		
n-Propylbenzene	103-65-1	< MDL	mg/Kg	1	0.005	0.0025		
o-Xylene	95-47-6	< MDL	mg/Kg	1	0.005	0.0020		
sec-Butylbenzene	135-98-8	< MDL	mg/Kg	1	0.005	0.0025		
Styrene	100-42-5	< MDL	mg/Kg	1	0.005	0.002		
t-butylbenzene	98-06-6	< MDL	mg/Kg	1	0.005	0.0025		
Tetrachloroethylene	127-18-4	< MDL	mg/Kg	1	0.005	0.002		
Toluene	108-88-3	< MDL	mg/Kg	1	0.005	0.0025		
trans-1,2-Dichloroethylene	156-60-5	< MDL	mg/Kg	1	0.005	0.002		
trans-1,3-Dichloropropene	10061-02-6	< MDL	mg/Kg	1	0.005	0.0025		
Trichloroethylene	79-01-6	< MDL	mg/Kg	1	0.005	0.0025		
Trichlorofluoromethane	75-69-4	< MDL	mg/Kg	1	0.005	0.0025		
Vinyl Chloride	75-01-4	< MDL	mg/Kg	1	0.005	0.002		
Xylenes	1330-20-7	< MDL	mg/Kg	1	0.005	0.005		
Dibromofluoromethane(surr)	1868-53-7	103	%	1				
1,2-Dichloroethane-d4(surr)	17060-07-0	104	%	1				
Toluene-d8(surr)	2037-26-5	102	%	1				
p-Bromofluorobenzene(surr)	460-00-4	94.9	%	1				

<b>QC Type: LCS and LCSD</b>										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrLLimit	%Recovery CtrLLimit	Qual
1,1,1,2-Tetrachloroethane	0.02	0.02	100	0.02	0.021	105	4.9	30	71.4-131	
1,1,1-Trichloroethane	0.02	0.022	110	0.02	0.021	105	4.7	30	69.6-140	
1,1,2,2-Tetrachloroethane	0.02	0.02	100	0.02	0.021	105	4.9	30	66.6-128	
1,1,2-Trichloroethane	0.02	0.022	110	0.02	0.022	110	0.0	30	72.8-125	
1,1-Dichloroethane	0.02	0.022	110	0.02	0.022	110	0.0	30	72.7-129	
1,1-Dichloroethylene	0.02	0.025	125	0.02	0.025	125	0.0	30	71.4-131	
1,1-Dichloropropene	0.02	0.02	100	0.02	0.02	100	0.0	30	75.9-132	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Volatile Organic Compounds

**Method :** SW-846 8260C

**Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022266

**Created Date :** 02/20/13

**Created By :** Yzhang

**Samples in This QC Batch :** 13020953.01,02,03,04,05,06,07,08,09,12,13,15,16

<b>QC Type: LCS and LCSD</b>										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2,3-trichlorobenzene	0.02	0.022	110	0.02	0.022	110	0.0	30	56.7-153	
1,2,3-Trichloropropane	0.02	0.02	100	0.02	0.022	110	9.5	30	61.6-138	
1,2,4-Trichlorobenzene	0.02	0.024	120	0.02	0.025	125	4.1	30	55.9-150	
1,2,4-Trimethylbenzene	0.02	0.02	100	0.02	0.02	100	0.0	30	71.1-131	
1,2-Dibromo-3-chloropropa	0.02	0.024	120	0.02	0.024	120	0.0	30	52.4-150	
1,2-Dibromoethane	0.02	0.02	100	0.02	0.021	105	4.9	30	72.9-125	
1,2-Dichlorobenzene	0.02	0.021	105	0.02	0.02	100	4.9	30	76.1-126	
1,2-Dichloroethane	0.02	0.021	105	0.02	0.021	105	0.0	30	66.4-134	
1,2-Dichloropropane	0.02	0.021	105	0.02	0.02	100	4.9	30	70.2-128	
1,3,5-Trimethylbenzene	0.02	0.021	105	0.02	0.02	100	4.9	30	75.1-127	
1,3-Dichlorobenzene	0.02	0.021	105	0.02	0.02	100	4.9	30	73.9-126	
1,3-Dichloropropane	0.02	0.021	105	0.02	0.02	100	4.9	30	68.3-124	
1,4-Dichlorobenzene	0.02	0.02	100	0.02	0.02	100	0.0	30	72.3-127	
2,2-Dichloropropane	0.02	0.022	110	0.02	0.021	105	4.7	30	68.5-138	
2-Chlorotoluene	0.02	0.022	110	0.02	0.021	105	4.7	30	71.7-128	
4-Chlorotoluene	0.02	0.02	100	0.02	0.02	100	0.0	30	72.2-126	
4-Isopropyltoluene	0.02	0.02	100	0.02	0.02	100	0.0	30	77.5-125	
Benzene	0.02	0.021	105	0.02	0.02	100	4.9	30	74-126	
Bromobenzene	0.02	0.021	105	0.02	0.02	100	4.9	30	73.3-129	
Bromochloromethane	0.02	0.022	110	0.02	0.022	110	0.0	30	68.8-131	
Bromodichloromethane	0.02	0.02	100	0.02	0.02	100	0.0	30	69-135	
Bromoform	0.02	0.02	100	0.02	0.02	100	0.0	30	62-146	
Bromomethane	0.02	0.059	295	0.02	0.038	190	43.3	30	58.7-139	L1, R1
Carbon tetrachloride	0.02	0.021	105	0.02	0.02	100	4.9	30	68.7-135	
Chlorobenzene	0.02	0.021	105	0.02	0.02	100	4.9	30	73.3-129	
Chloroethane	0.02	0.021	105	0.02	0.02	100	4.9	30	66.2-129	
Chloroform	0.02	0.022	110	0.02	0.021	105	4.7	30	73.7-134	
Chloromethane	0.02	0.021	105	0.02	0.02	100	4.9	30	51.4-135	
cis-1,2-Dichloroethylene	0.02	0.022	110	0.02	0.021	105	4.7	30	72.4-132	
cis-1,3-Dichloropropene	0.02	0.022	110	0.02	0.021	105	4.7	30	67.7-134	
Dibromochloromethane	0.02	0.021	105	0.02	0.021	105	0.0	30	73.2-126	
Dibromomethane	0.02	0.022	110	0.02	0.021	105	4.7	30	69.9-134	
Dichlorodifluoromethane	0.02	0.023	115	0.02	0.023	115	0.0	30	36.8-144	
Ethylbenzene	0.02	0.02	100	0.02	0.02	100	0.0	30	72.2-128	
Isopropylbenzene	0.02	0.02	100	0.02	0.02	100	0.0	30	71.2-131	
m- & p-Xylenes	0.04	0.04	100	0.04	0.041	103	2.5	30	70.7-131	
MEK	0.02	0.021	105	0.02	0.023	115	9.1	30	52.5-152	
Methylene chloride	0.02	0.021	105	0.02	0.022	110	4.7	30	70.6-129	
Naphthalene	0.02	0.022	110	0.02	0.023	115	4.4	30	60.7-145	
n-Butylbenzene	0.02	0.021	105	0.02	0.019	95	10	30	66.5-136	
n-Propylbenzene	0.02	0.021	105	0.02	0.021	105	0.0	30	73.3-126	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Volatile Organic Compounds

**Method :** SW-846 8260C

**Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022266

**Created Date :** 02/20/13

**Created By :** Yzhang

**Samples in This QC Batch :** 13020953.01,02,03,04,05,06,07,08,09,12,13,15,16

**QC Type: LCS and LCSD**

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
o-Xylene	0.02	0.02	100	0.02	0.02	100	0.0	30	71.6-130	
sec-Butylbenzene	0.02	0.021	105	0.02	0.02	100	4.9	30	77.9-124	
Styrene	0.02	0.021	105	0.02	0.02	100	4.9	30	71.1-131	
t-butylbenzene	0.02	0.021	105	0.02	0.021	105	0.0	30	74.4-130	
Tetrachloroethylene	0.02	0.02	100	0.02	0.019	95	5.1	30	62.6-157	
Toluene	0.02	0.021	105	0.02	0.021	105	0.0	30	73.3-127	
trans-1,2-Dichloroethylene	0.02	0.023	115	0.02	0.022	110	4.4	30	80-120	
trans-1,3-Dichloropropene	0.02	0.02	100	0.02	0.02	100	0.0	30	71.5-124	
Trichloroethylene	0.02	0.02	100	0.02	0.019	95	5.1	30	69.2-133	
Trichlorofluoromethane	0.02	0.022	110	0.02	0.02	100	9.5	30	63.9-140	
Vinyl Chloride	0.02	0.022	110	0.02	0.022	110	0.0	30	40.9-159	
Xylenes	0.06	0.06	100	0.06	0.061	102	1.7	30	69.2-133	

**QC Type: MS and MSD**

**QC Sample ID: 13020953.09**

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	0.02	0.019	95						71.4-131	
1,1,1-Trichloroethane	BRL	0.02	0.02	100						69.6-140	
1,1,2,2-Tetrachloroethane	BRL	0.02	0.02	100						66.6-128	
1,1,2-Trichloroethane	BRL	0.02	0.021	105						72.8-125	
1,1-Dichloroethane	BRL	0.02	0.022	110						72.7-129	
1,1-Dichloroethylene	BRL	0.02	0.024	120						71.4-131	
1,1-Dichloropropene	BRL	0.02	0.02	100						75.9-132	
1,2,3-trichlorobenzene	BRL	0.02	0.02	100						56.7-153	
1,2,3-Trichloropropane	BRL	0.02	0.02	100						61.6-138	
1,2,4-Trichlorobenzene	BRL	0.02	0.021	105						55.9-150	
1,2,4-Trimethylbenzene	BRL	0.02	0.018	90						71.1-131	
1,2-Dibromo-3-chloropropane	BRL	0.02	0.022	110						52.4-150	
1,2-Dibromoethane	BRL	0.02	0.02	100						72.9-125	
1,2-Dichlorobenzene	BRL	0.02	0.019	95						76.1-126	
1,2-Dichloroethane	BRL	0.02	0.02	100						66.4-134	
1,2-Dichloropropane	BRL	0.02	0.02	100						70.2-128	
1,3,5-Trimethylbenzene	BRL	0.02	0.019	95						75.1-127	
1,3-Dichlorobenzene	BRL	0.02	0.019	95						73.9-126	
1,3-Dichloropropane	BRL	0.02	0.019	95						68.3-124	
1,4-Dichlorobenzene	BRL	0.02	0.019	95						72.3-127	
2,2-Dichloropropane	BRL	0.02	0.018	90						68.5-138	
2-Chlorotoluene	BRL	0.02	0.02	100						71.7-128	
4-Chlorotoluene	BRL	0.02	0.019	95						72.2-126	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Volatile Organic Compounds

**Method :** SW-846 8260C

**Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022266

**Created Date :** 02/20/13

**Created By :** Yzhang

**Samples in This QC Batch :** 13020953.01,02,03,04,05,06,07,08,09,12,13,15,16

<b>QC Type: MS and MSD</b>											
<b>QC Sample ID: 13020953.09</b>											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
4-Isopropyltoluene	BRL	0.02	0.019	95						77.5-125	
Benzene	BRL	0.02	0.021	105						74-126	
Bromobenzene	BRL	0.02	0.019	95						73.3-129	
Bromochloromethane	BRL	0.02	0.021	105						68.8-131	
Bromodichloromethane	BRL	0.02	0.02	100						69-135	
Bromoform	BRL	0.02	0.019	95						62-146	
Bromomethane	BRL	0.02	0.058	290						58.7-139	M1
Carbon tetrachloride	BRL	0.02	0.02	100						68.7-135	
Chlorobenzene	BRL	0.02	0.019	95						73.3-129	
Chloroethane	BRL	0.02	0.021	105						66.2-129	
Chloroform	BRL	0.02	0.021	105						73.7-134	
Chloromethane	BRL	0.02	0.02	100						51.4-135	
cis-1,2-Dichloroethylene	BRL	0.02	0.02	100						72.4-132	
cis-1,3-Dichloropropene	BRL	0.02	0.02	100						67.7-134	
Dibromochloromethane	BRL	0.02	0.02	100						73.2-126	
Dibromomethane	BRL	0.02	0.021	105						69.9-134	
Dichlorodifluoromethane	BRL	0.02	0.022	110						36.8-144	
Ethylbenzene	BRL	0.02	0.019	95						72.2-128	
Isopropylbenzene	BRL	0.02	0.019	95						71.2-131	
m- & p-Xylenes	BRL	0.039	0.038	97.4						70.7-131	
MEK	BRL	0.02	0.025	125						52.5-152	
Methylene chloride	BRL	0.02	0.021	105						70.6-129	
Naphthalene	BRL	0.02	0.021	105						60.7-145	
n-Butylbenzene	BRL	0.02	0.018	90						66.5-136	
n-Propylbenzene	BRL	0.02	0.019	95						73.3-126	
o-Xylene	BRL	0.02	0.019	95						71.6-130	
sec-Butylbenzene	BRL	0.02	0.019	95						77.9-124	
Styrene	BRL	0.02	0.019	95						71.1-131	
t-butylbenzene	BRL	0.02	0.02	100						74.4-130	
Tetrachloroethylene	BRL	0.02	0.018	90						62.6-157	
Toluene	BRL	0.02	0.02	100						73.3-127	
trans-1,2-Dichloroethylene	BRL	0.02	0.021	105						70-130	
trans-1,3-Dichloropropene	BRL	0.02	0.019	95						71.5-124	
Trichloroethylene	BRL	0.02	0.019	95						69.2-133	
Trichlorofluoromethane	BRL	0.02	0.02	100						63.9-140	
Vinyl Chloride	BRL	0.02	0.021	105						40.9-159	
Xylenes	BRL	0.059	0.057	96.6						69.2-133	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Volatile Organic Compounds

**Method :** EPA 624

**Reporting Units :** mg/L

**QC Batch ID :** Qb13022267

**Created Date :** 02/20/13

**Created By :** Yzhang

**Samples in This QC Batch :** 13020953.10,14,17

**Sample Preparation :** PB13022256

**Prep Method :** EPA 624

**Prep Date :** 02/20/13 16:00 **Prep By :** Yzhang

**QC Type: Method Blank**

Parameter	CAS #	Result	Units	D.F.	ML	MDL	Qual
1,1,1-Trichloroethane	71-55-6	< MDL	mg/L	1	0.005	0.001	
1,1,2,2-Tetrachloroethane	79-34-5	< MDL	mg/L	1	0.005	0.001	
1,1,2-Trichloroethane	79-00-5	< MDL	mg/L	1	0.005	0.001	
1,1-Dichloroethane	75-34-3	< MDL	mg/L	1	0.005	0.001	
1,1-Dichloroethylene	75-35-4	< MDL	mg/L	1	0.005	0.001	
1,2-Dichlorobenzene	95-50-1	< MDL	mg/L	1	0.005	0.001	
1,2-Dichloroethane	107-06-2	< MDL	mg/L	1	0.005	0.001	
1,3-Dichlorobenzene	541-73-1	< MDL	mg/L	1	0.005	0.001	
1,4-Dichlorobenzene	106-46-7	< MDL	mg/L	1	0.005	0.001	
Benzene	71-43-2	< MDL	mg/L	1	0.005	0.001	
Bromodichloromethane	75-27-4	< MDL	mg/L	1	0.005	0.001	
Bromoform	75-25-2	< MDL	mg/L	1	0.005	0.002	
Bromomethane	74-83-9	< MDL	mg/L	1	0.005	0.001	
Carbon tetrachloride	56-23-5	< MDL	mg/L	1	0.005	0.001	
Chlorobenzene	108-90-7	< MDL	mg/L	1	0.005	0.001	
Chloroethane	75-00-3	< MDL	mg/L	1	0.005	0.002	
Chloroform	67-66-3	< MDL	mg/L	1	0.005	0.001	
Chloromethane	74-87-3	< MDL	mg/L	1	0.005	0.001	
cis-1,3-Dichloropropene	10061-01-5	< MDL	mg/L	1	0.005	0.001	
Dibromochloromethane	124-48-1	< MDL	mg/L	1	0.005	0.001	
Ethylbenzene	100-41-4	< MDL	mg/L	1	0.005	0.001	
m- & p-Xylenes	108-38-3&106-42-3	< MDL	mg/L	1	0.01	0.002	
Methylene chloride	75-09-2	< MDL	mg/L	1	0.005	0.001	
o-Xylene	95-47-6	< MDL	mg/L	1	0.005	0.001	
Tetrachloroethylene	127-18-4	< MDL	mg/L	1	0.005	0.001	
Toluene	108-88-3	< MDL	mg/L	1	0.005	0.001	
trans-1,2-Dichloroethylene	156-60-5	< MDL	mg/L	1	0.005	0.001	
trans-1,3-Dichloropropene	10061-02-6	< MDL	mg/L	1	0.005	0.001	
Trichloroethylene	79-01-6	< MDL	mg/L	1	0.005	0.003	
Trichlorofluoromethane	75-69-4	< MDL	mg/L	1	0.005	0.001	
Vinyl Chloride	75-01-4	< MDL	mg/L	1	0.005	0.001	
Xylenes	1330-20-7	< MDL	mg/L	1	0.005	0.003	
Dibromofluoromethane(surr)	1868-53-7	102	%	1			
1,2-Dichloroethane-d4(surr)	17060-07-0	96.4	%	1			
Toluene-d8(surr)	2037-26-5	100	%	1			
p-Bromofluorobenzene(surr)	460-00-4	94.2	%	1			

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Volatile Organic Compounds

**Method :** EPA 624

**Reporting Units :** mg/L

**QC Batch ID :** Qb13022267

**Created Date :** 02/20/13

**Created By :** Yzhang

**Samples in This QC Batch :** 13020953.10,14,17

<b>QC Type: LCS and LCSD</b>										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.02	0.024	120	0.02	0.025	125	4.1	30	75.5-124	L1
Benzene	0.02	0.02	100	0.02	0.021	105	4.9	30	80-120	
Chlorobenzene	0.02	0.021	105	0.02	0.021	105	0	30	80-120	
Toluene	0.02	0.021	105	0.02	0.021	105	0	30	77.1-121	
Trichloroethylene	0.02	0.02	100	0.02	0.019	95	5.1	30	80-120	
1,1,1-Trichloroethane	0.02	0.02	100	0.02	0.021	105	4.9	30	80-120	
1,1,2,2-Tetrachloroethane	0.02	0.021	105	0.02	0.021	105	0	30	80-120	
1,1,2-Trichloroethane	0.02	0.022	110	0.02	0.022	110	0	30	80-120	
1,1-Dichloroethane	0.02	0.022	110	0.02	0.022	110	0	30	77.6-124	
1,2-Dichlorobenzene	0.02	0.02	100	0.02	0.021	105	4.9	30	83.2-121	
1,2-Dichloroethane	0.02	0.02	100	0.02	0.02	100	0	30	74.5-129	
1,3-Dichlorobenzene	0.02	0.021	105	0.02	0.021	105	0	30	80-120	
1,4-Dichlorobenzene	0.02	0.02	100	0.02	0.021	105	4.9	30	80-120	
Bromodichloromethane	0.02	0.02	100	0.02	0.019	95	5.1	30	80-119	
Bromoform	0.02	0.02	100	0.02	0.02	100	0	30	78.8-127	
Bromomethane	0.02	0.021	105	0.02	0.02	100	4.9	30	53-138	
Carbon tetrachloride	0.02	0.019	95	0.02	0.02	100	5.1	30	70-136	
Chloroethane	0.02	0.022	110	0.02	0.019	95	14.6	30	75.6-128	
Chloroform	0.02	0.02	100	0.02	0.021	105	4.9	30	79-123	
Chloromethane	0.02	0.021	105	0.02	0.022	110	4.6	30	69.6-125	
cis-1,3-Dichloropropene	0.02	0.022	110	0.02	0.021	105	4.6	30	80-120	
Dibromochloromethane	0.02	0.02	100	0.02	0.021	105	4.9	30	82.8-117	
Ethylbenzene	0.02	0.02	100	0.02	0.02	100	0	30	80-120	
m- & p-Xylenes	0.04	0.04	100	0.04	0.041	103	2.5	30	80-120	
Methylene chloride	0.02	0.021	105	0.02	0.022	110	4.6	30	69.4-131	
o-Xylene	0.02	0.02	100	0.02	0.021	105	4.9	30	80-120	
Tetrachloroethylene	0.02	0.019	95	0.02	0.02	100	5.1	30	40-168	
trans-1,2-Dichloroethylene	0.02	0.022	110	0.02	0.022	110	0	30	77.5-122	
trans-1,3-Dichloropropene	0.02	0.021	105	0.02	0.021	105	0	30	81.5-113	
Trichlorofluoromethane	0.02	0.021	105	0.02	0.023	115	9.1	30	80-132	
Vinyl Chloride	0.02	0.023	115	0.02	0.024	120	4.3	30	71.1-127	

<b>QC Type: MS and MSD</b>											
<b>QC Sample ID: 13020953.17</b>											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.02	0.026	130						81-130	
Benzene	BRL	0.02	0.021	105						84-132	
Chlorobenzene	BRL	0.02	0.02	100						72-132	
Toluene	BRL	0.02	0.021	105						72-136	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Volatile Organic Compounds

**Method :** EPA 624

**Reporting Units :** mg/L

**QC Batch ID :** Qb13022267    **Created Date :** 02/20/13

**Created By :** Yzhang

**Samples in This QC Batch :** 13020953.10,14,17

<b>QC Type: MS and MSD</b>											
<b>QC Sample ID: 13020953.17</b>											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Trichloroethylene	BRL	0.02	0.02	100						75-136	
1,1,1-Trichloroethane	BRL	0.02	0.022	110						78-131	
1,1,2,2-Tetrachloroethane	BRL	0.02	0.02	100						66-145	
1,1,2-Trichloroethane	BRL	0.02	0.022	110						69-138	
1,1-Dichloroethane	BRL	0.02	0.023	115						84-128	
1,2-Dichlorobenzene	BRL	0.02	0.02	100						73-138	
1,2-Dichloroethane	BRL	0.02	0.02	100						65-154	
1,3-Dichlorobenzene	BRL	0.02	0.02	100						74-136	
1,4-Dichlorobenzene	BRL	0.02	0.019	95						71-136	
Bromodichloromethane	BRL	0.02	0.021	105						83-134	
Bromoform	BRL	0.02	0.02	100						68-135	
Bromomethane	BRL	0.02	0.043	215						65-144	M1
Carbon tetrachloride	BRL	0.02	0.02	100						70-136	
Chloroethane	BRL	0.02	0.023	115						76-147	
Chloroform	BRL	0.02	0.022	110						68-130	
Chloromethane	BRL	0.02	0.023	115						73-127	
cis-1,3-Dichloropropene	BRL	0.02	0.02	100						81-126	
Dibromochloromethane	BRL	0.02	0.021	105						68-139	
Ethylbenzene	BRL	0.02	0.02	100						75-133	
m- & p-Xylenes	BRL	0.04	0.04	100						78-132	
Methylene chloride	BRL	0.02	0.022	110						74-126	
o-Xylene	BRL	0.02	0.02	100						78-132	
Tetrachloroethylene	BRL	0.02	0.019	95						65-138	
trans-1,2-Dichloroethylene	BRL	0.02	0.023	115						73-130	
trans-1,3-Dichloropropene	BRL	0.02	0.019	95						73-129	
Trichlorofluoromethane	BRL	0.02	0.022	110						78-143	
Vinyl Chloride	BRL	0.02	0.023	115						58-135	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Total Petroleum Hydrocarbons      **Method :** TX 1005      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022508      **Created Date :** 02/21/13      **Created By :** JShah

**Samples in This QC Batch :** 13020953.01,02,03,04,05,06,07,08,09,12,13,15,16

**Sample Preparation :** PB13022509      **Prep Method :** TX 1005      **Prep Date :** 02/21/13 14:00      **Prep By :** JShah

<b>QC Type: Method Blank</b>									
Parameter	CAS #	Result	Units	D.F.	ML	MDL			Qual
C6-C12	TPH-1005-1	< MDL	mg/Kg	1	25	23.7			
>C12-C28	TPH-1005-2	< MDL	mg/Kg	1	25	20.3			
>C28-C35	TPH-1005-4	< MDL	mg/Kg	1	25	17.7			
Total C6-C35		< MDL	mg/Kg	1	---				
Chlorooctadecane(surr)	3386-33-2	104	%	1					
1-Chlorooctane(surr)	111-85-3	96.5	%	1					

<b>QC Type: LCS and LCSD</b>										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	500	515	103	500	516	103	0.2	20	75-125	
>C12-C28	500	572	114	500	565	113	1.3	20	75-125	
>C28-C35	500	436	87.2	500	443	88.6	1.6	20	75-125	

<b>QC Type: MS and MSD</b>											
<b>QC Sample ID: 13020953.01</b>											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	500	454	90.8						75-125	
>C12-C28	BRL	500	477	95.4						75-125	
>C28-C35	BRL	500	383	76.6						75-125	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** **Method :** TX 1005 **Reporting Units :** mg/L

**QC Batch ID :** Qb13022528 **Created Date :** 02/22/13 **Created By :** JShah

**Samples in This QC Batch :** 13020953.10,14,17

**Sample Preparation :** PB13022530 **Prep Method :** TX 1005 **Prep Date :** 02/21/13 17:00 **Prep By :** JShah

**QC Type: Method Blank**

Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
C6-C12	TPH-1005-1	< MDL	mg/L	1	1.5	0.66	
>C12-C28	TPH-1005-2	< MDL	mg/L	1	1.5	0.86	
>C28-C35	TPH-1005-4	< MDL	mg/L	1	1.5	0.75	
Total C6-C35		< MDL	mg/L	1	---		
1-Chlorooctane(surr)	111-85-3	74.5	%	1			
Chlorooctadecane(surr)	3386-33-2	86.9	%	1			

**QC Type: LCS and LCSD**

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	30	27.07	90.2	30	28.5	95	5.2	20	75-125	
>C12-C28	30	29.15	97.2	30	32.4	108	10.6	20	75-125	
>C28-C35	30	27.08	90.3	30	25.5	85	6	20	75-125	

**QC Type: MS and MSD**

**QC Sample ID:** 13020953.17

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12		30	35.4	118						75-125	
>C12-C28		30	40	133						75-125	M8
>C28-C35		30	29.1	97						75-125	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Total Kjeldahl Nitrogen      **Method :** SM 4500NH3D      **Reporting Units :** mg/L

**QC Batch ID :** Qb13022567      **Created Date :** 02/25/13      **Created By :** Srani

**Samples in This QC Batch :** 13020953.10,14,17

**Sample Preparation :** PB13022557      **Prep Method :** SM 4500NorgB      **Prep Date :** 02/25/13 08:20      **Prep By :** Srani

**QC Type: Method Blank**

Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
TKN		< MDL	mg/L	1	0.5	0.30	

**QC Type: Duplicate**

**QC Sample ID:** 13020953.10

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
TKN	17.6	17.0808	mg/L	3	20	

**QC Type: LCS and LCSD**

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	5.00	4.57	91.5	5.00	4.75	95	3.8	20	80-120	

Refer to the Definition page for terms.





**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Total Recoverable Metals      **Method :** SW-846 6010C      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022711      **Created Date :** 02/26/13      **Created By :** Ggorane

**Samples in This QC Batch :** 13020953.07,11,15

**Digestion :** PB13022708      **Prep Method :** SW-846 3050B      **Prep Date :** 02/26/13 08:30      **Prep By :** PRKasar

<b>QC Type: Method Blank</b>									
Parameter	CAS #	Result	Units	D.F.	MQL	MDL			Qual
Arsenic	7440-38-2	< MDL	mg/Kg	1	0.5	0.1			
Barium	7440-39-3	< MDL	mg/Kg	1	0.5	0.1			
Cadmium	7440-43-9	< MDL	mg/Kg	1	0.5	0.04			
Chromium	7440-47-3	< MDL	mg/Kg	1	0.5	0.1			
Lead	7439-92-1	< MDL	mg/Kg	1	0.5	0.1			
Selenium	7782-49-2	< MDL	mg/Kg	1	0.5	0.1			
Silver	7440-22-4	< MDL	mg/Kg	1	0.5	0.02			

<b>QC Type: LCS and LCSD</b>										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	25	25.1	100	25	25.1	100	0.2	20	80-120	
Barium	25	26.9	107	25	26.9	108	0.1	20	80-120	
Cadmium	25	24.7	98.9	25	24.7	98.8	0.1	20	80-120	
Chromium	25	25.8	103	25	26.0	104	0.7	20	80-120	
Lead	25	25.1	100	25	25.1	100	0.2	20	80-120	
Selenium	25	22.6	90.3	25	22.8	91.1	0.9	20	80-120	
Silver	25	25.7	103	25	25.6	102	0.2	20	80-120	

<b>QC Type: MS and MSD</b>											
<b>QC Sample ID: 13020669.01</b>											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	0.9	25	22.7	87.4						70-130	
Barium	30.1	25	51.8	86.9						70-130	
Cadmium	BRL	25	22.7	90.8						70-130	
Chromium	7.7	25	30.0	89.4						70-130	
Lead	3.8	25	25.0	85						70-130	
Selenium	BRL	25	16.2	64.9						70-130	M2
Silver	BRL	25	27.9	112						70-130	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Total Metals - Mercury      **Method :** SW-846 7470A      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022723      **Created Date :** 02/27/13      **Created By :** PRKasar

**Samples in This QC Batch :** 13020953.07,11,15

**Digestion :** PB13022720      **Prep Method :** SW-846 7470A      **Prep Date :** 02/27/13 08:00      **Prep By :** PRKasar

**QC Type: Method Blank**

Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
Mercury	7439-97-6	< MDL	mg/Kg	1	0.004	0.004	

**QC Type: LCS and LCSD**

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.1	0.1005	101	0.1	0.1026	103	2.1	20	80-120	

**QC Type: MS and MSD**

**QC Sample ID: 13021124.05**

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.1	0.1052	105						70-130	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Total Metals - Mercury      **Method :** SW-846 7470A      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13022845      **Created Date :** 02/28/13      **Created By :** PRKasar

**Samples in This QC Batch :** 13020953.05,06

**Digestion :** PB13022844      **Prep Method :** SW-846 7470A      **Prep Date :** 02/28/13 09:00      **Prep By :** PRKasar

**QC Type: Method Blank**

Parameter	CAS #	Result	Units	D.F.	ML	MDL	Qual
Mercury	7439-97-6	< MDL	mg/Kg	1	0.004	0.004	

**QC Type: LCS and LCSD**

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.1	0.094	94.2	0.1	0.089	89.4	5.2	20	80-120	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Total Recoverable Metals      **Method :** SW-846 6010C      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13030127      **Created Date :** 02/28/13      **Created By :** Ggorane

**Samples in This QC Batch :** 13020953.05,06

**Digestion :** PB13030108      **Prep Method :** SW-846 3050B      **Prep Date :** 02/28/13 10:00      **Prep By :** PRKasar

**QC Type: Method Blank**

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Arsenic	7440-38-2	< MDL	mg/Kg	1	0.5	0.1		
Barium	7440-39-3	< MDL	mg/Kg	1	0.5	0.1		
Cadmium	7440-43-9	< MDL	mg/Kg	1	0.5	0.04		
Chromium	7440-47-3	< MDL	mg/Kg	1	0.5	0.1		
Lead	7439-92-1	< MDL	mg/Kg	1	0.5	0.1		
Selenium	7782-49-2	< MDL	mg/Kg	1	0.5	0.1		
Silver	7440-22-4	< MDL	mg/Kg	1	0.5	0.02		

**QC Type: LCS and LCSD**

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	25	24.3	97.2	25	23.7	95	2.3	20	80-120	
Barium	25	26.6	106	25	25.9	104	2.5	20	80-120	
Cadmium	25	23.9	95.7	25	23.4	93.5	2.3	20	80-120	
Chromium	25	25.4	102	25	24.9	99.6	2.1	20	80-120	
Lead	25	24.3	97.3	25	23.7	94.8	2.6	20	80-120	
Selenium	25	22.7	91	25	22.4	89.7	1.5	20	80-120	
Silver	25	25.0	99.9	25	24.3	97.1	2.8	20	80-120	

**QC Type: MS and MSD**

**QC Sample ID:** 13021250.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	9.8021	25	41.3	126						70-130	
Barium	11.3	25	32.9	86.5						70-130	
Cadmium	BRL	25	23.5	93.6						70-130	
Chromium	6.0323	25	30.0	95.7						70-130	
Lead	6.9388	25	0.0	-27.75520						70-130	M3
Selenium	BRL	25	22.6	90.5						70-130	
Silver	BRL	25	25.3	101						70-130	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Semivolatile Organic Compounds      **Method :** SW-846 8270D      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13030158      **Created Date :** 03/01/13      **Created By :** Psaraiya

**Samples in This QC Batch :** 13020953.06

**Extraction :** PB13030123      **Prep Method :** SW-846 3550B      **Prep Date :** 02/28/13 11:00      **Prep By :** Msoria

<b>QC Type: Method Blank</b>							
Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
1,2,4-Trichlorobenzene	120-82-1	< MDL	mg/Kg	1	0.333	0.16	
1,2-Dichlorobenzene	95-50-1	< MDL	mg/Kg	1	0.333	0.11	
1,3-Dichlorobenzene	541-73-1	< MDL	mg/Kg	1	0.333	0.09	
1,4-Dichlorobenzene	106-46-7	< MDL	mg/Kg	1	0.333	0.09	
2,4,5-Trichlorophenol	95-95-4	< MDL	mg/Kg	1	0.333	0.13	
2,4,6-Trichlorophenol	88-06-2	< MDL	mg/Kg	1	0.333	0.16	
2,4-Dichlorophenol	120-83-2	< MDL	mg/Kg	1	0.333	0.12	
2,4-Dimethylphenol	105-67-9	< MDL	mg/Kg	1	0.333	0.09	
2,4-Dinitrophenol	51-28-5	< MDL	mg/Kg	1	0.333	0.12	
2,4-Dinitrotoluene	121-14-2	< MDL	mg/Kg	1	0.333	0.009	
2,6-Dinitrotoluene	606-20-2	< MDL	mg/Kg	1	0.333	0.11	
2-Chloronaphthalene	91-58-7	< MDL	mg/Kg	1	0.333	0.13	
2-Chlorophenol	95-57-8	< MDL	mg/Kg	1	0.333	0.10	
2-Methylnaphthalene	91-57-6	< MDL	mg/Kg	1	0.333	0.30	
2-Methylphenol	95-48-7	< MDL	mg/Kg	1	0.333	0.09	
2-Nitrophenol	88-75-5	< MDL	mg/Kg	1	0.333	0.09	
3- & 4-Methylphenols	108-39-4 & 106-44-5	< MDL	mg/Kg	1	0.667	0.13	
4,6-Dinitro-2-methylphenol	534-52-1	< MDL	mg/Kg	1	0.333	0.16	
4-Bromophenyl phenyl ethe	101-55-3	< MDL	mg/Kg	1	0.333	0.16	
4-Chloro-3-methylphenol	59-50-7	< MDL	mg/Kg	1	0.333	0.14	
4-Chlorophenyl pheny ether	7005-72-3	< MDL	mg/Kg	1	0.333	0.11	
4-Nitrophenol	100-02-7	< MDL	mg/Kg	1	0.333	0.13	
Acenaphthene	83-32-9	< MDL	mg/Kg	1	0.333	0.15	
Acenaphthylene	208-96-8	< MDL	mg/Kg	1	0.333	0.10	
Anthracene	120-12-7	< MDL	mg/Kg	1	0.333	0.10	
Benzo(a)anthracene	56-55-3	< MDL	mg/Kg	1	0.333	0.10	
Benzo(a)pyrene	50-32-8	< MDL	mg/Kg	1	0.333	0.30	
Benzo(b)fluoranthene	205-99-2	< MDL	mg/Kg	1	0.333	0.30	
Benzo(g,h,i)perylene	191-24-2	< MDL	mg/Kg	1	0.333	0.40	
Benzo(k)fluoranthene	207-08-9	< MDL	mg/Kg	1	0.333	0.15	
Bis(2-chloroethoxy) methan	111-91-1	< MDL	mg/Kg	1	0.333	0.10	
Bis(2-chloroethyl) ether	111-44-4	< MDL	mg/Kg	1	0.333	0.30	
Bis(2-chloroisopropyl) ether	108-60-1	< MDL	mg/Kg	1	0.333	0.12	
Bis(2-ethylhexyl )phtalate	117-81-7	< MDL	mg/Kg	1	0.333	0.13	
Butyl benzyl phtalate	85-68-7	< MDL	mg/Kg	1	0.333	0.11	
Chrysene	218-01-9	< MDL	mg/Kg	1	0.333	0.10	
Dibenzo(a,h)anthracene	53-70-3	< MDL	mg/Kg	1	0.333	0.13	
Dibenzofuran	132-64-9	< MDL	mg/Kg	1	0.333	0.11	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Semivolatile Organic Compounds      **Method :** SW-846 8270D      **Reporting Units :** mg/Kg

**QC Batch ID :** Qb13030158      **Created Date :** 03/01/13      **Created By :** Psaraiya

**Samples in This QC Batch :** 13020953.06

<b>QC Type: Method Blank</b>									
Parameter	CAS #	Result	Units	D.F.	MLQ	MDL			Qual
Diethyl phthalate	84-66-2	< MDL	mg/Kg	1	0.333	0.14			
Dimethyl phthalate	131-11-3	< MDL	mg/Kg	1	0.333	0.11			
Di-n-butyl phthalate	84-74-2	< MDL	mg/Kg	1	0.333	0.16			
Di-n-octyl Phthalate	117-84-0	< MDL	mg/Kg	1	0.333	0.09			
Fluoranthene	206-44-0	< MDL	mg/Kg	1	0.333	0.17			
Fluorene	86-73-7	< MDL	mg/Kg	1	0.333	0.16			
Hexachlorobenzene	118-74-1	< MDL	mg/Kg	1	0.333	0.010			
Hexachlorobutadiene	87-68-3	< MDL	mg/Kg	1	0.333	0.10			
Hexachlorocyclopentadiene	77-47-4	< MDL	mg/Kg	1	0.333	0.12			
Hexachloroethane	67-72-1	< MDL	mg/Kg	1	0.333	0.10			
Indeno(1,2,3-cd)pyrene	193-39-5	< MDL	mg/Kg	1	0.333	0.20			
Isophorone	78-59-1	< MDL	mg/Kg	1	0.333	0.13			
Naphthalene	91-20-3	< MDL	mg/Kg	1	0.333	0.10			
Nitrobenzene	98-95-3	< MDL	mg/Kg	1	0.333	0.12			
N-Nitrosodimethylamine	62-75-9	< MDL	mg/Kg	1	0.333	0.09			
N-nitroso-di-n-propylamine	621-64-7	< MDL	mg/Kg	1	0.333	0.10			
Pentachlorophenol	87-86-5	< MDL	mg/Kg	1	0.333	0.14			
Phenanthrene	85-01-8	< MDL	mg/Kg	1	0.333	0.20			
Phenol	108-95-2	< MDL	mg/Kg	1	0.333	0.11			
Pyrene	129-00-0	< MDL	mg/Kg	1	0.333	0.18			
2-Fluorophenol(surr)	367-12-4	58.6	%	1					
Phenol-d6(surr)	13127-88-3	67.9	%	1					
Nitrobenzene-d5(surr)	4165-60-0	63.3	%	1					
2-Fluorobiphenyl(surr)	132-60-8	58.6	%	1					
2,4,6-Tribromophenol(surr)	118-79-6	48	%	1					
p-Terphenyl-d14(surr)	1718-51-0	108	%	1					

<b>QC Type: LCS and LCSD</b>										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrLimit	%Recovery CtrLimit	Qual
1,2,4-Trichlorobenzene	1.67	0.946	56.6	1.67	0.961	57.5	1.6	35	32-126	
1,2-Dichlorobenzene	1.67	1.1	65.9	1.67	1.02	61.1	7.5	35	34-118	
1,3-Dichlorobenzene	1.67	1.06	63.5	1.67	0.995	59.6	6.3	35	34-118	
1,4-Dichlorobenzene	1.67	1.08	64.7	1.67	0.992	59.4	8.5	35	35-115	
2,4,5-Trichlorophenol	1.67	0.988	59.2	1.67	0.985	59	0.3	35	35-124	
2,4,6-Trichlorophenol	1.67	0.986	59	1.67	1.02	61.1	3.4	35	35-123	
2,4-Dichlorophenol	1.67	0.996	59.6	1.67	1.01	60.5	1.4	35	31-124	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Semivolatile Organic Compounds

**Method :** SW-846 8270D

**Reporting Units :** mg/Kg

**QC Batch ID :** Qb13030158    **Created Date :** 03/01/13

**Created By :** Psaraiya

**Samples in This QC Batch :** 13020953.06

<b>QC Type: LCS and LCSD</b>										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
2,4-Dimethylphenol	1.67	1.24	74.3	1.67	1.19	71.3	4.1	35	29-129	
2,4-Dinitrophenol	1.67	0.625	37.4	1.67	0.605	36.2	3.3	35	D-94	
2,4-Dinitrotoluene	1.67	1.27	76	1.67	1.13	67.7	11.7	35	42-134	
2,6-Dinitrotoluene	1.67	1.23	73.7	1.67	1.13	67.7	8.5	35	37-128	
2-Chloronaphthalene	1.67	1.23	73.7	1.67	1.18	70.7	4.1	35	37-124	
2-Chlorophenol	1.67	1.17	70.1	1.67	1.15	68.9	1.7	35	26-119	
2-Methylnaphthalene	1.67	1.08	64.7	1.67	1.08	64.7	0.0	35	28-128	
2-Methylphenol	1.67	1.25	74.9	1.67	1.13	67.7	10.1	35	26-125	
2-Nitrophenol	1.67	1.17	70.1	1.67	1.06	63.5	9.9	35	25-123	
3- & 4-Methylphenols	3.33	2.75	82.6	3.33	2.53	76	8.3	35	29-118	
4,6-Dinitro-2-methylphenol	1.67	0.898	53.8	1.67	0.931	55.7	3.6	35	8-129	
4-Bromophenyl phenyl ethe	1.67	0.921	55.1	1.67	1.04	62.3	12.1	35	50-122	
4-Chloro-3-methylphenol	1.67	1.25	74.9	1.67	1.25	74.9	0.0	35	40-127	
4-Chlorophenyl pheny ether	1.67	1.1	65.9	1.67	1.1	65.9	0.0	35	47-125	
4-Nitrophenol	1.67	1.38	82.6	1.67	1.46	87.4	5.6	35	14-138	
Acenaphthene	1.67	1.23	73.7	1.67	1.15	68.9	6.7	35	45-125	
Acenaphthylene	1.67	1.25	74.9	1.67	1.14	68.3	9.2	35	43-118	
Anthracene	1.67	1.11	66.5	1.67	1.13	67.7	1.8	35	53-119	
Benzo(a)anthracene	1.67	1.82	109	1.67	1.94	116	6.4	35	43-131	
Benzo(a)pyrene	1.67	3.18	190	1.67	3.13	187	1.6	35	43-126	L1
Benzo(b)fluoranthene	1.67	3.12	187	1.67	2.94	176	5.9	35	36-126	L1
Benzo(g,h,i)perylene	1.67	2.47	148	1.67	2.12	127	15.3	35	27-126	L1
Benzo(k)fluoranthene	1.67	3.39	203	1.67	3.57	214	5.2	35	36-134	L1
Bis(2-chloroethoxy) methan	1.67	1.19	71.3	1.67	1.38	82.6	14.8	35	33-125	
Bis(2-chloroethyl) ether	1.67	1.55	92.8	1.67	1.52	91	2	35	30-125	
Bis(2-chloroisopropyl) ether	1.67	1.97	118	1.67	1.82	109	7.9	35	27-122	
Bis(2-ethylhexyl )phthalate	1.67	2.54	152	1.67	2.49	149	2	35	8-158	
Butyl benzyl phthalate	1.67	2.63	157	1.67	2.43	146	7.9	35	50-139	L1
Chrysene	1.67	1.97	118	1.67	2.03	122	3	35	42-131	
Dibenzo(a,h)anthracene	1.67	2.51	150	1.67	2.56	153	2	35	33-122	L1
Dibenzofuran	1.67	1.13	67.7	1.67	1.09	65.3	3.6	35	22-122	
Diethyl phthalate	1.67	1.3	77.8	1.67	1.28	76.6	1.6	35	48-126	
Dimethyl phthalate	1.67	1.24	74.3	1.67	1.14	68.3	8.4	35	48-122	
Di-n-butyl phthalate	1.67	1.33	79.6	1.67	1.33	79.6	0.0	35	51-126	
Di-n-octyl Phthalate	1.67	2.54	152	1.67	2.49	149	2	35	50-124	L1
Fluoranthene	1.67	1.1	65.9	1.67	1.05	62.9	4.7	35	51-125	
Fluorene	1.67	1.17	70.1	1.67	1.13	67.7	3.5	35	48-123	
Hexachlorobenzene	1.67	0.922	55.2	1.67	0.945	56.6	2.5	35	35-130	
Hexachlorobutadiene	1.67	0.934	55.9	1.67	0.949	56.8	1.6	35	31-115	
Hexachlorocyclopentadiene	1.67	0.274	16.4	1.67	0.275	16.5	0.4	35	D-116	
Hexachloroethane	1.67	1.24	74.3	1.67	1.16	69.5	6.7	35	36-114	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Semivolatile Organic Compounds

**Method :** SW-846 8270D

**Reporting Units :** mg/Kg

**QC Batch ID :** Qb13030158    **Created Date :** 03/01/13

**Created By :** Psaraiya

**Samples in This QC Batch :** 13020953.06

**QC Type: LCS and LCSD**

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Indeno(1,2,3-cd)pyrene	1.67	2.75	165	1.67	2.86	171	3.9	35	31-135	L1
Isophorone	1.67	1.39	83.2	1.67	1.38	82.6	0.7	35	30-126	
Naphthalene	1.67	1.16	69.5	1.67	1.08	64.7	7.1	35	32-124	
Nitrobenzene	1.67	1.58	94.6	1.67	1.41	84.4	11.4	35	29-126	
N-Nitrosodimethylamine	1.67	1.43	85.6	1.67	1.36	81.4	5	35	21-121	
N-nitroso-di-n-propylamine	1.67	1.68	101	1.67	1.59	95.2	5.5	35	30-128	
Pentachlorophenol	1.67	0.778	46.6	1.67	0.858	51.4	9.8	35	36-117	
Phenanthrene	1.67	1.16	69.5	1.67	1.15	68.9	0.9	35	45-125	
Phenol	1.67	1.46	87.4	1.67	1.36	81.4	7.1	35	22-118	
Pyrene	1.67	2.26	135	1.67	2.03	122	10.7	35	32-138	

**QC Type: MS and MSD**

**QC Sample ID: 13021253.01**

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,2,4-Trichlorobenzene	BRL	1.67	0.978	58.6						32-126	
1,2-Dichlorobenzene	BRL	1.67	0.998	59.8						34-118	
1,3-Dichlorobenzene	BRL	1.67	0.997	59.7						34-118	
1,4-Dichlorobenzene	BRL	1.67	1.03	61.7						35-115	
2,4,5-Trichlorophenol	BRL	1.67	1.02	61.1						35-124	
2,4,6-Trichlorophenol	BRL	1.67	0.959	57.4						35-123	
2,4-Dichlorophenol	BRL	1.67	1.02	61.1						31-124	
2,4-Dimethylphenol	BRL	1.67	1.25	74.9						29-129	
2,4-Dinitrophenol	BRL	1.67	BRL							D-94	M2
2,4-Dinitrotoluene	BRL	1.67	1.16	69.5						42-134	
2,6-Dinitrotoluene	BRL	1.67	1.11	66.5						37-128	
2-Chloronaphthalene	BRL	1.67	1.04	62.3						37-124	
2-Chlorophenol	BRL	1.67	1.11	66.5						26-119	
2-Methylnaphthalene	BRL	1.67	1.08	64.7						28-128	
2-Methylphenol	BRL	1.67	1.06	63.5						26-125	
2-Nitrophenol	BRL	1.67	1.01	60.5						25-123	
3- & 4-Methylphenols	BRL	3.33	2.36	70.9						29-118	
4,6-Dinitro-2-methylphenol	BRL	1.67	BRL							8-129	M2
4-Bromophenyl phenyl ethe	BRL	1.67	0.908	54.4						50-122	
4-Chloro-3-methylphenol	BRL	1.67	1.22	73.1						40-127	
4-Chlorophenyl pheny ether	BRL	1.67	1.09	65.3						47-125	
4-Nitrophenol	BRL	1.67	BRL							14-138	M2
Acenaphthene	BRL	1.67	1.16	69.5						45-125	
Acenaphthylene	BRL	1.67	1.1	65.9						43-118	
Anthracene	BRL	1.67	0.978	58.6						53-119	

Refer to the Definition page for terms.

**QUALITY CONTROL CERTIFICATE**



**Job ID :** 13020953

**Date :** 3/11/2013

**Analysis :** Semivolatile Organic Compounds

**Method :** SW-846 8270D

**Reporting Units :** mg/Kg

**QC Batch ID :** Qb13030158

**Created Date :** 03/01/13

**Created By :** Psaraiya

**Samples in This QC Batch :** 13020953.06

<b>QC Type: MS and MSD</b>											
<b>QC Sample ID: 13021253.01</b>											
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Benzo(a)anthracene	BRL	1.67	1.85	111						43-131	
Benzo(a)pyrene	BRL	1.67	3.01	180						43-126	M1
Benzo(b)fluoranthene	BRL	1.67	3.09	185						36-126	M1
Benzo(g,h,i)perylene	BRL	1.67	1.56	93.4						27-126	
Benzo(k)fluoranthene	BRL	1.67	3.75	225						36-134	M1
Bis(2-chloroethoxy) methan	BRL	1.67	1.22	73.1						33-125	
Bis(2-chloroethyl) ether	BRL	1.67	1.49	89.2						30-125	
Bis(2-chloroisopropyl) ether	BRL	1.67	1.42	85						27-122	
Bis(2-ethylhexyl )phthalate	BRL	1.67	2.05	123						8-158	
Butyl benzyl phthalate	BRL	1.67	2.61	156						50-139	M1
Chrysene	BRL	1.67	1.84	110						42-131	
Dibenzo(a,h)anthracene	BRL	1.67	1.68	101						33-122	
Dibenzofuran	BRL	1.67	1.08	64.7						22-122	
Diethyl phthalate	BRL	1.67	1.1	65.9						48-126	
Dimethyl phthalate	BRL	1.67	1.07	64.1						48-122	
Di-n-butyl phthalate	BRL	1.67	1.1	65.9						51-126	
Di-n-octyl Phthalate	BRL	1.67	2.05	123						50-124	
Fluoranthene	BRL	1.67	0.916	54.9						51-125	
Fluorene	BRL	1.67	1.23	73.7						48-123	
Hexachlorobenzene	BRL	1.67	0.909	54.4						35-130	
Hexachlorobutadiene	BRL	1.67	1.02	61.1						31-115	
Hexachlorocyclopentadiene	BRL	1.67	0.274	16.4						D-116	
Hexachloroethane	BRL	1.67	1.1	65.9						36-114	
Indeno(1,2,3-cd)pyrene	BRL	1.67	1.8	108						31-135	
Isophorone	BRL	1.67	0.214	12.8						30-126	M2
Naphthalene	BRL	1.67	1.10	65.9						32-124	
Nitrobenzene	BRL	1.67	1.26	75.4						29-126	
N-Nitrosodimethylamine	BRL	1.67	0.786	47.1						21-121	
N-nitroso-di-n-propylamine	BRL	1.67	1.51	90.4						30-128	
Pentachlorophenol	BRL	1.67	0.691	41.4						36-117	
Phenanthrene	BRL	1.67	1.13	67.7						45-125	
Phenol	BRL	1.67	1.36	81.4						22-118	
Pyrene	BRL	1.67	2.27	136						32-138	

Refer to the Definition page for terms.

10100 East Fwy (I-10)  
Suite 100  
Houston, TX 77029  
713-453-6060  
1-877-478-6060 Toll Free  
713-453-6091 Fax  
ablabs.com



A&B JOB ID # 13020953

5. Project # 1372.1

6. Project Name/Location

F.M. 565 Extension

7. Reporting Requirement:

TRRP Limits only  TRRP Rpt. Package  See Attached  Standard Level II  PST  MDL  EDD

8. Sampler's Name & Company (PLEASE PRINT) Tom Nelson / Bio-West, Inc.

Sampler's Signature & Date Tom Nelson 2/19/13

LAB USE ONLY

9. Sample ID and Description	10. Sampling		11. 12. Matrix								
	Date	Time 24hr	Comp.	Grab	Water	Soil	Sludge	Oil	Drinking Water	Air	Other
<u>01A Surface Soil #1</u>	<u>2/19/13</u>	<u>13:40</u>	<u>X</u>		<u>X</u>						
<u>02A Surface Soil #2</u>		<u>14:00</u>	<u>X</u>		<u>X</u>						
<u>03A Surface Soil #3</u>		<u>14:10</u>	<u>X</u>		<u>X</u>						
<u>04A Surface Soil #4</u>		<u>14:25</u>	<u>X</u>		<u>X</u>						
<u>05A Surface Soil #5</u>		<u>14:40</u>	<u>X</u>		<u>X</u>						
<u>06A Surface Soil #6</u>		<u>14:50</u>	<u>X</u>		<u>X</u>						

2. INVOICE TO:  
Company: Bio-West, Inc.  
Address: 1018 Frost Street  
Rosenberg, TX 77471  
Contact: Melissa Fontenot  
Phone: (512) 608-8080  
Fax:   
E-mail:  mfontenot@bio-west.com

3. PO #  
3a. A&B Quote #  
4. Turnaround Time (Business Days)  
 1 Day\*  Other:  
 2 Days\*  
 3 Days\* \*Surcharge applies  
 7 Days - Standard

13. 14. Containers*	15. Preservatives**	16. PH-Lab Only	17. Analyzes/Methods	18. REMARKS
			<u>TPH</u>	
			<u>VOC</u>	
			<u>SVOC (Hydr)</u>	
			<u>5 VOC</u>	

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME	21. KNOWN HAZARDS/COMMENTS
<u>Tom Nelson</u>	<u>2/20/13</u>	<u>2:40p</u>	<u>AN gump</u>	<u>2/20/13</u>	<u>2:40</u>	

19. CONTAINERS:  VOA - 40 ml vial  A/G - Amber/Glass 1 Liter  
 4 oz/8 oz - glass wide mouth  P/O - Plastic/other

\*\*Preservatives: C - Cool H - HCl N - HNO<sub>3</sub> S - H<sub>2</sub>SO<sub>4</sub>  
 OH - NaOH T - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> X - Other

METHOD OF SHIPMENT Drop-off RENTAL P/U

LAB USE ONLY SAMPLING

Temperature: 5.1 °C  
 Thermometer ID 111601055  
 Intact  or N Initials AN

A&B cannot accept verbal changes  
 Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days  
 A&B cannot accept verbal changes  
 Please FAX written changes to 713-453-6091

**10100 East Fwy (I-10)**  
 Suite 100  
 Houston, TX 77029  
 713-453-6060  
 1-877-478-6060 Toll Free  
 713-453-6091 Fax  
 ablabs.com

**1. REPORT TO:**  
 Company: BIO-WEST  
 Address: 1018 Frost Street  
Rosenberg TX 77471  
 Contact: Melissa Fontenot  
 Phone: 512-608-8080

**2. COMPANY:**  
 Company: Please Email  
 Address: Invoice To:  
 Contact: Melissa Fontenot  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_

**3. PQ #**  
**3a. A&B Quote #**  
**4. Turnaround Time (Business Days)**  
 1 Day\*  Other:  
 2 Days\*  
 3 Days\* \*Surcharge applies

**A&B JOB ID #** 13020953  
**5. Project #** 1372.1  
**6. Project Name/Location**  
F.M. 565 Extension

**7. Reporting Requirement:**  
 TRRP Limits only  TRRP Rpt. Package  See Attached  Standard Level II  PST  MDL  EDD  
**8. Sampler's Name & Company (PLEASE PRINT)**  
Tom Nelson / Bio-Vest, Inc.  
 Tom Nelson 2/20/13

**9. Sample ID and Description**  
 Date Time 24hr Matrix  
 2-20-13 9:40 ✓  
 2-20-13 9:50 ✓  
 2-20-13 9:55 ✓  
 2-20-13 10:15 ✓  
 2-20-13 11:10 ✓  
 2-20-13 11:15 ✓  
 2-20-13 11:00 ✓  
 2-20-13 11:45 ✓

**10. RECEIVED BY**  
 DATE TIME  
2/20/13 2:40  
**20. RECEIVED BY**  
A N Nguyen

**11. CONTAINERS\***  
**13. Containers\***  
**14. Containers\***  
**15. Preservatives\*\***  
**16. PH-Lab Only**

**17. ANALYSES/METHODS**  
 RCR Metals  
 TPH TX 1005  
 VOCs  
 Nitrite/Nitrate  
 Total Nitrogen  
 Hold for SVOCs

**18. REMARKS**

**19. RELINQUISHED BY**  
 DATE TIME  
2/20/13 2:40  
**21. KNOWN HAZARDS/COMMENTS**

**\*Containers:** VOA - 40 ml vial A/G - Amber/Glass 1 Liter  
 4 oz/8 oz - glass wide mouth P/O - Plastic/other  
**\*\*Preservatives:** C - Cool H - HCl N - HNO<sub>3</sub> S - H<sub>2</sub>SO<sub>4</sub>  
 OH - NaOH T - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> X - Other

**Temperature:** 5.1 °C  
**Thermometer ID** 11601055  
**Initials** A.N.  
 A&B cannot accept verbal changes  
 Please FAX written changes to 713-453-6091  
 Samples will be disposed of after 30 days  
 A&B reserves the right to return samples

The Chain of Custody is a Legal Document

**1. REPORT TO:**  
 Company: Bio-West, Inc.  
 Address: 1018 First Street  
Rosenberg, TX 77471  
 Contact: Melissa Fontenot  
 Phone: (512) 608-8080

**2. INVOICE TO:**  
 Company: Bio-West, Inc.  
 Address: Please email invoice to:  
melissa.fontenot  
 Contact: melissa.fontenot  
 Phone:   
 Fax:   
 E-mail: mfontenot@bio-west.com

**3. PQ #**  
**3a. A&B Quote #**  
**4. Turnaround Time (Business Days)**  
 1 Day\*  Other:  
 2 Days\*  
 3 Days\*  
 \*Surcharge applies

A&B JOB ID # 13020953

**5. Project #** ASZB01 1372.1

**7. Reporting Requirement:**  
 TRRP Limits only  TRRP Rpt. Package  See Attached  Standard Level II  PST  MDL  EDD

**8. Sampler's Name & Company (PLEASE PRINT)**  
Tom Nelson / Bio-West, Inc.  
 Date: 2/20/13

**9. Sample ID and Description**  
15AB Boring #3 0-4'  
16A Boring #3 12-16'  
17AH Boring #3

**13. Containers\***  
**14. Containers\***  
**15. Preservatives\*\***  
**16. PH-Lab Only**

LAB USE ONLY	9. Sample ID and Description	10. Sampling		11. 12. Matrix						13. Containers*	14. Containers*	15. Preservatives**	16. PH-Lab Only	17. Analyses/Methods	18. REMARKS	
		Date	Time 24hr	Comp.	Grab	Water	Soil	Sludge	Oil							Drinking Water
	15AB Boring #3 0-4'	2/20/13	12:30	X												
	16A Boring #3 12-16'	2/20/13	12:40	X												
	17AH Boring #3	2/20/13	12:55	X	X											

**19. RELINQUISHED BY**  
Tom Nelson  
 DATE: 2/20/13 TIME: 2:40

**20. RECEIVED BY**  
ANGUSSEN  
 DATE: 2/20/13 TIME: 2:40

**21. KNOWN HAZARDS/COMMENTS**  
 Temperature: 53 °C  
 Thermometer ID: 111601055  
 Initials: A.N.  
 Intact: Y or N  
 \*Containers: VOA - 40 ml vial A/G - Amber/Glass 1 Liter  
 4 oz/8 oz - glass wide mouth P/O - Plastic/other  
 \*\*Preservatives: C - Cool H - HCl N - HNO<sub>3</sub> S - H<sub>2</sub>SO<sub>4</sub>  
 OH - NaOH T - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> X - Other  
 A&B cannot accept verbal changes  
 Please FAX written changes to 713-453-6091  
 Samples will be disposed of after 30 days

**Re: TPH Results: 1372.1 / F.M 565 Extension (A&B 13020953)**

Melissa Fontenot [mfontenot@bio-west.com]

Sent: Wednesday, February 27, 2013 2:24 PM

To: Shantall Carpenter

Hi Shantall,

In addition to my previous email, also please add "Surface Soil #5" to be analyzed for VOCs and RCRA 8 Metals (SVOCs is not necessary for this one).

Thank you,  
Melissa

On 2/27/2013 2:22 PM, Melissa Fontenot wrote:

Hi Shantall,

Since sample "Surface Soil #6" had reportable TPH, I would like this sample also analyzed for VOCs, SVOCs, and RCRA 8 Metals.

I had already planned on all of the following analyzed for VOCs (noted on the chain of custody): the three water samples ("Boring 1", "Boring 2", "Boring 3"), and the soil samples "Boring 1, 0-4 FT.", "Boring 1, 16-20 FT.", "Boring 1, 20-24 FT.", "Boring 2, 12-16 FT.", "Boring 2, 24-28 FT.", "Boring #3, 0-4", "Boring 3, 12-16".

I also had planned to have a series of soil samples (noted on the chain of custody) analyzed for RCRA 8 Metals (in addition to the above referenced "Surface Soil #6).

Please let me know if you have any other questions.

Thank you,  
Melissa

--

**Melissa Fontenot, PWS**  
1018 Frost Street  
Rosenberg, Texas 77471  
512.608.8080 mobile



On 2/26/2013 8:37 PM, Shantall Carpenter wrote:

Melissa

The TPH results are attached. Please let me know if any PAH or SVOC analysis will be needed.

Thanks!

**Shantall Carpenter**

Senior Project Manager

A&B Labs

10100 East Freeway, Ste. 100

Houston, TX 77029

P: 713.453.6060 xt. 136

F: 713.453.6091

[scarpenter@ablabs.com](mailto:scarpenter@ablabs.com)

[www.ablabs.com](http://www.ablabs.com)

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# Sample Condition Checklist

A&B JobID : <b>13020953</b>	Date Received : <b>02/20/2013</b>	Time Received : <b>2:40PM</b>																										
Client Name : <b>Bio-West</b>																												
Temperature : <b>5.1°C</b>	Sample pH : <b>&lt;2 Metals, NO3/NO2</b>																											
Thermometer ID : <b>111601055</b>	pH Paper ID : <b>52054</b>																											
<b>Check Points</b>																												
<b>1.</b>	<b>Cooler seal present and signed.</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>																								
<b>2.</b>	<b>Sample(s) in a cooler.</b>	X																										
<b>3.</b>	<b>If yes, ice in cooler.</b>	X																										
<b>4.</b>	<b>Sample(s) received with chain-of-custody.</b>	X																										
<b>5.</b>	<b>C-O-C signed and dated.</b>	X																										
<b>6.</b>	<b>Sample(s) received with signed sample custody seal.</b>		X																									
<b>7.</b>	<b>Sample containers arrived intact. (If no comment).</b>	X																										
<b>8.</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 10%;"><b>Matrix</b></td> <td style="width: 10%;"><b>Water</b></td> <td style="width: 10%;"><b>Soil</b></td> <td style="width: 10%;"><b>Liquid</b></td> <td style="width: 10%;"><b>Sludge</b></td> <td style="width: 10%;"><b>Solid</b></td> <td style="width: 10%;"><b>Cassette</b></td> <td style="width: 10%;"><b>Tube</b></td> <td style="width: 10%;"><b>Bulk</b></td> <td style="width: 10%;"><b>Badge</b></td> <td style="width: 10%;"><b>Food</b></td> <td style="width: 10%;"><b>Other</b></td> </tr> <tr> <td>:</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	<b>Matrix</b>	<b>Water</b>	<b>Soil</b>	<b>Liquid</b>	<b>Sludge</b>	<b>Solid</b>	<b>Cassette</b>	<b>Tube</b>	<b>Bulk</b>	<b>Badge</b>	<b>Food</b>	<b>Other</b>	:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>											
<b>Matrix</b>	<b>Water</b>	<b>Soil</b>	<b>Liquid</b>	<b>Sludge</b>	<b>Solid</b>	<b>Cassette</b>	<b>Tube</b>	<b>Bulk</b>	<b>Badge</b>	<b>Food</b>	<b>Other</b>																	
:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																									
<b>9.</b>	<b>Sample(s) were received in appropriate container(s).</b>	X																										
<b>10.</b>	<b>Sample(s) were received with proper preservative</b>	X																										
<b>11.</b>	<b>All samples were logged or labeled.</b>	X																										
<b>12.</b>	<b>Sample ID labels match C-O-C ID's</b>	X																										
<b>13.</b>	<b>Bottle count on C-O-C matches bottles found.</b>	X																										
<b>14.</b>	<b>Sample volume is sufficient for analyses requested.</b>	X																										
<b>15.</b>	<b>Samples were received within the hold time.</b>	X																										
<b>16.</b>	<b>VOA vials completely filled.</b>	X																										
<b>17.</b>	<b>Sample accepted.</b>	X																										
<b>Comments : Include actions taken to resolve discrepancies/problem:</b>																												

Received by : ANguyen

Check in by/date : CCripe / 02/20/2013



## Laboratory Data Package Cover Page

This data package is for Job No. 13020953 and laboratory batch no(s).  
Qb13022212, Qb13022266, Qb13022267, Qb13022508, Qb13022528, Qb13022560, Qb13022567, Qb13022650, Qb13022651, Qb13022711, Qb13022723, Qb13022845, Qb13030127, Qb13030158 and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - c. LCS spiking amounts,
  - d. Calculated %R for each analyte, and
  - e. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - f. Samples associated with the MS/MSD clearly identified,
  - g. MS/MSD spiking amounts,
  - h. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - i. Calculated %Rs and relative percent differences (RPDs), and
  - j. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - k. The amount of analyte measured in the duplicate,
  - l. The calculated RPD, and
  - m. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/ anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable:  This laboratory meets an exception under 30 TAC §25.6 and was last inspection by  TCEQ or  \_\_\_\_\_ on \_\_\_\_\_. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Name (Printed)	Signature	Official Title (Printed)	Date
Shantall Carpenter		Senior Project Manager	03/11/2013



### Laboratory Review Checklist: Reportable Data

Project Name: 1372.1 / F.M 565 Extension

Reviewed By: Scarpenter

A&B Job ID: 13020953

Date Reviewed: 03/11/2013

Prep Batch Number(s): Qb13022212,Qb13022266,Qb13022267,Qb13022508,Qb13022528,Qb13022560,Qb13022567,Qb13022650,Qb13022651,Qb13022711,Qb13022723,Qb13022845,Qb13030127,Qb13030158

#	A	Description	Yes	No	NA	NR	ER#
<b>R1</b>	<b>OI</b>	<b>Chain-of Custody</b>					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		2) Were all departures from standard conditions described in an exception report?	X				
<b>R2</b>	<b>OI</b>	<b>Sample and Quality Control (QC) Identification</b>					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross referenced to corresponding QC data?	X				
<b>R3</b>	<b>OI</b>	<b>Test Reports</b>					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results <MQL, were all other reported results within calibration range?	X				
		3) Were calculations subject to appropriate checks?	X				
		4) Were all analyte identifications subject to appropriate checks?	X				
		5) Were all sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?	X				
		7) Was % moisture (or solids) reported for all samples?	X				
		8) Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035		X			R3/8
		9) If required for the project, were tentatively identified compounds (TICs) reported?			X		
<b>R4</b>	<b>OI</b>	<b>Surrogate Recovery Data</b>					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries (%R) within the laboratory QC limits?		X			R4/2
<b>R5</b>	<b>OI</b>	<b>Test Reports/Summary Forms for Blank Samples</b>					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blanks free of detected target compounds and, if applicable, reported TICs?	X				
<b>R6</b>	<b>OI</b>	<b>Laboratory Control Samples (LCS)</b>					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			R6/4
		5) Were LCSs spiked at or below the LORP or do the detectability data document the laboratory's capability of detecting the COCs in samples spiked at the MDL?	X				
		6) Was the LCSD RPD within QC limits?		X			R6/6
<b>R7</b>	<b>OI</b>	<b>Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data</b>					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %R within the laboratory QC limits?		X			R7/3
		4) Were MS/MSD RPDs within laboratory QC limits?	X				
<b>R8</b>	<b>OI</b>	<b>Analytical Duplicate Data</b>					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
<b>R9</b>	<b>OI</b>	<b>Method Quatitation Limits MQLs)</b>					
		1) Are the MQLs for each method analyte listed and included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero standard?	X				



### Laboratory Review Checklist: Reportable Data

Project Name: 1372.1 / F.M 565 Extension

Reviewed By: Scarpenter

A&B Job ID: 13020953

Date Reviewed: 03/11/2013

Prep Batch Number(s): Qb13022212,Qb13022266,Qb13022267,Qb13022508,Qb13022528,Qb13022560,Qb13022567,Qb13022650,Qb13022651,Qb13022711,Qb13022723,Qb13022845,Qb13030127,Qb13030158

#	A	Description	Yes	No	NA	NR	ER#
		3) Are unadjusted MQLs included in the laboratory data package?	X				
<b>R10</b>	<b>OI</b>	<b>Other Problems/Anomalies</b>					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?		X			R10/1
		2) Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?		X			R10/2
		3) Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

<b>S1</b>	<b>OI</b>	<b>INITIAL CALIBRATION (ICAL)</b>					
		1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Were the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
<b>S2</b>	<b>OI</b>	<b>INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB):</b>					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?		X			S2/2
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
<b>S3</b>	<b>O</b>	<b>MASS SPECTRAL TUNING:</b>					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
<b>S4</b>	<b>O</b>	<b>INTERNAL STANDARDS (IS):</b>					
		Were IS area counts and retention times within the method-required QC limits?	X				
<b>S5</b>	<b>OI</b>	<b>Raw data (NELAC Section 5.5.10)</b>					
		1) Were the raw data (e.g., chromatograms, and spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
<b>S6</b>	<b>OI</b>	<b>DUAL COLUMN CONFIRMATION</b>					
		Did dual column confirmation results meet the method-required QC?	X				
<b>S7</b>	<b>OI</b>	<b>TENTATIVELY IDENTIFIED COMPOUNDS (TICS):</b>					
		If TICS were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
<b>S8</b>	<b>OI</b>	<b>INTERFERENCE CHECK SAMPLE (ICS) RESULTS:</b>					
		Were percent recoveries within method QC limits?	X				
<b>S9</b>	<b>OI</b>	<b>SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITIONS</b>					
		Were percent differences, recoveries, and the linearity within the QC limits	X				
<b>S10</b>	<b>OI</b>	<b>VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS</b>					
		Are all methods documented and verified and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)?	X				
<b>S11</b>	<b>OI</b>	<b>METHOD DETECTION LIMIT (MDL) STUDIES</b>					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
<b>S12</b>	<b>OI</b>	<b>STANDARDS DOCUMENTATION</b>					
		Are the standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				



### Laboratory Review Checklist: Reportable Data

Project Name: 1372.1 / F.M 565 Extension  
 A&B Job ID: 13020953  
 Prep Batch Number(s): Qb13022212,Qb13022266,Qb13022267,Qb13022508,Qb13022528,Qb13022560,Qb13022567,Qb13022650,Qb13022651,Qb13022711,Qb13022723,Qb13022845,Qb13030127,Qb13030158

Reviewed By: Scarpenter  
 Date Reviewed: 03/11/2013

#	A	Description	Yes	No	NA	NR	ER#
S13	OI	<b>COMPOUND/ANALYTE IDENTIFICATION PROCEDURES</b>					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	<b>DEMONSTRATION OF CAPABILITY (DOC)</b>					
		1) Was DOC conducted generally consistent with NELAC 5C or ISO/IEC 4.2.2?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	<b>PROFICIENCY TEST REPORTS:</b>					
		Are proficiency testing or inter-laboratory comparison results on file?	X				
S16	OI	<b>LABORATORY STANDARD OPERATING PROCEDURES (SOPS):</b>					
		Are laboratory SOPs current and on file for each method performed?	X				

ER#	EXCEPTION
R3/8	All volatile soil samples were received in bulk containers, not 5035 prep bottles. However, 5035 prep may not be required for this sample program.
R4/2	Total Petroleum Hydrocarbon (TPH) by TCEQ Method 1005 - Surrogate Recovery: For your sample ID "Surface Soil #5" the recovery of TPH surrogate 1-chlorooctane (associated with the C6 to C12 range hydrocarbons) was below QC limits and qualified with a "S2" qualifier. The second surrogate used in TPH analysis, chlorooctadecane, recovered within control limits.
R6/4	For Volatile analysis, QC Batch ID: Qb13022266, the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) recoveries for bromomethane was above control limits. The reported results for this parameter should be considered estimated and are qualified on the analytical report as "J7" for the samples associated with this LCS. Also, the RPD for bromomethane was above control limits.  For Volatile analysis, QC Batch ID: Qb13022267, the Laboratory Control Sample Duplicate (LCSD) recovery for 1,1-dichloroethylene was above control limits; however the Laboratory Control Sample (LCS) recovery was within control limits.  For Semivolatile analysis, QC Batch ID: Qb13030158, the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) recoveries for several parameters were above control limits. The reported results for these parameters should be considered estimated and are qualified on the analytical report as "J7" for the samples associated with this LCS.
R6/6	See R6/4, first paragraph.
R7/3	For Volatile analysis by Method 8260C, QC Batch ID: Qb13022266, your sample ID "Boring 1, 20-24 Ft" was selected for use in A&B's quality control program as the Matrix Spike (MS). The MS recovered above control limits for bromomethane.  For Volatile analysis by EPA Method 624, QC Batch ID: Qb13022267, your sample ID "Boring #3" was selected for use in A&B's quality control program as the Matrix Spike (MS). The MS recovered above control limits for bromomethane.  For TPH analysis by Texas Method 1005, QC Batch ID: Qb13022528, your sample ID "Boring #3" was selected for use in A&B's quality control program as the Matrix Spike (MS). The MS recovered above control limits for >C12-C28.  For Metals analysis by SW846 Method 6010C, QC Batches: Qb13022711 and Qb13030127, your samples were not randomly selected for use in A&B's quality control program. Therefore, this sample matrix is not applicable to your project samples.  For Semivolatile Organics analysis by method 8270D, QC Batch: Qb13030158, your samples were not randomly selected for use in A&B's quality control program. Therefore, this sample matrix is not applicable to your project samples.
R10/1	Quarterly DCS reports are kept on file at the laboratory and are available upon request.  Additional analyses were requested by client, see chain of custody attachment.



### Laboratory Review Checklist: Reportable Data

Project Name: 1372.1 / F.M 565 Extension

Reviewed By: Scarpenter

A&B Job ID: 13020953

Date Reviewed: 03/11/2013

Prep Batch Number(s): Qb13022212,Qb13022266,Qb13022267,Qb13022508,Qb13022528,Qb13022560,Qb13022567,Qb13022650,Qb13022651,Qb13022711,Qb13022723,Qb13022845,Qb13030127,Qb13030158

ER#	EXCEPTION
R10/2	<p>For Semivolatile analysis by Method 8270D, your sample "Surface Soil #6" was reported as nondetect with elevated sample detection limits due to interference from the sample matrix; the sample was dark brown color and viscous, making sample difficult to extract and concentrate.</p> <p>For Anions analysis by EPA Method 300, your samples "Boring 1", "Boring 2", and "Boring 3" were reported with several analytes as nondetect with elevated sample detection limits due to sample matrix interference from nontarget analytes.</p> <p>For TPH analysis by 1005, all water samples were received in 40ml vials. The lab requires 60ml vials for TRRP limits; all samples were reported with dilutions as needed for the volume received. Samples qualified with a D3 qualifier.</p>
S2/2	<p>For Volatile analysis by Method 8260C, QC Batch ID: Qb13022266, the CCV analyzed on 02/20/13 11:43 recovered above QC criteria for 1,1-dichloroethylene and bromomethane; however the average %difference for all the analytes meet method method criteria. Samples associated with this CCV have been qualified with a "V6" qualifier.</p> <p>For Semivolatile analysis by Method 8270D, QC Batch ID: Qb13030458, the CCV analyzed on 02/28/13 13:37 recovered above QC criteria for several parameters. These target analytes were not detected in the sample. Samples associated with this CCV have been qualified with a "V1" qualifier.</p>

O = organic analyses;

I = inorganic analyses (and general chemistry, when applicable);

NA = Not applicable;

NR = Not Reviewed;

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).