

US 701 Bridge Replacement Project Over
the Great Pee Dee River, Pee Dee River
Overflow, and Lake Yauhannah

Horry & Georgetown Counties,
South Carolina

Hazardous Material / Waste
Site Assessment



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1.0 SCOPE OF SERVICES

ARM Environmental Services, Inc. (ARM) has conducted a hazardous material / waste site assessment of the US 701 Bridge Replacements Project area, located in Horry and Georgetown Counties, South Carolina. The study area consists of a corridor that is approximately 2 miles long, 300 feet wide, and is centered on the existing US 701 alignment from a point near the US 701 / Trinity Road intersection in Georgetown County, to a point near the US 701 / Lucas Bay Road intersection in Horry County.

The study area is referred to in the remainder of this report as the "Project Corridor." The purpose of this assessment was to identify any potential hazardous waste sites located in or adjacent to the Project Corridor, so that the location of such properties can be factored into the construction planning process. The site evaluation procedures conducted during the assessment are summarized below:

- Review of Federal and State lists of environmentally regulated sites, in an effort to identify those sites with documented contamination, and also those sites considered as potential sources of contamination;
- Interview of state regulatory Department of Health and Environmental Control (DHEC) personnel, and review of readily available file information for regulated sites located within the Project Corridor;
- Review of site background information, including aerial photographs and interviews of persons familiar with previous activities in the area;
- Physical inspection and photographic documentation of the site conditions in the Project Corridor area to identify potential sources of contamination; and
- Development of a report summarizing the assessment findings and providing appropriate site location information.

The assessment findings and corresponding regulatory data are summarized on the following pages of this report. Site location maps, color photographs, and descriptions of the regulatory databases are included in the appendices.

2.0 SITE INSPECTION

ARM personnel conducted a physical inspection of the Project Corridor, and also those conditions on properties located adjacent to the Project Corridor. The pertinent information collected during the site inspection process is summarized in the following sections.

2.1 Site Description

Site Location – The Project Corridor is located along US 701 at the Horry County and Georgetown County line. The study area consists of a corridor that is approximately 2 miles long, 300 feet wide, and is centered on the existing US 701 alignment from a point near the US 701 / Trinity Road intersection in Georgetown County, to a point near the US 701 / Lucas Bay Road intersection in Horry County. The Project Corridor crosses the Great Pee Dee River overflow, the Great Pee Dee River, and Lake Yauhannah. The Project Corridor location is specified on Figure 1 in Appendix A.

General Site Description – The Project Corridor is located in the coastal plain of South Carolina in an area that is very rural and lightly developed with single family residences and mobile homes. The undeveloped Waccamaw National Wildlife Refuge occupies much of the Project Corridor study area. The topography of the Project Corridor area is generally level and is dominated by the floodplains, waters, and wetlands associated with the Great Pee Dee River.

2.2 Aerial Photography

United States Department of Agriculture aerial photographs taken in 1939, 1949, 1950, 1957, 1963, 1967, 1973, and 1980 were reviewed at the University of South Carolina to further evaluate previous conditions in the vicinity of the Project Corridor. Additionally, USGS aerial photographs of the Project Corridor area, dated 1994, were reviewed.

The conditions evident in the aerial photographs indicate that the Project Corridor has historically been rural and very lightly developed. The aerial photographs show the Project Corridor to be primarily wooded swampland and/or agricultural. The 1994 aerial photographs show the Project Corridor area to be rural, and primarily undeveloped, wooded swampland.

2.3 Potential Environmental Hazards

The various environmental hazards typically identified in a corridor study area are described in the following paragraphs. The specific hazard sites identified during the assessment are listed in the Summary section of this report.

Underground Storage Tanks - The most prevalent source of potential site contamination typically observed is underground storage tanks (USTs). UST systems have a significant potential for leakage, depending primarily on the age, size and construction quality of the tank system. Leakage from UST systems often results in soil and groundwater contamination.

Above-Ground Storage Tanks - Above-ground storage tanks (ASTs) also present the potential for soil and groundwater contamination. However, depending on the size and condition of the tank, the extent of contamination is often limited to the shallow soils located adjacent to the tank.

Maintenance / Service Activities - Many of the materials handled by automotive maintenance / service businesses are considered hazardous. Site contamination routinely occurs from the storage, mishandling or disposal of such materials.

Industrial Processes - As with automotive maintenance / service activities, industrial activities often incorporate hazardous materials. The relatively high volume of materials handled, and potential on-site disposal of hazardous materials is of particular concern on industrial facilities.

Disposal Facilities - Solid waste disposal facilities or wastewater treatment facilities are often associated with subsurface contamination. Any waste disposal areas, including isolated areas on which waste materials have been dumped, are

evaluated in order to determine whether a significant risk of adverse site impact is present

3.0 REGULATORY REVIEW

Federal and State regulatory databases were reviewed to further identify any known sources of contamination located on, or adjacent to the Project Corridor. The Federal records searched during this assessment included sites which handle or dispose of hazardous materials, and sites which otherwise have been identified to have air, soil or groundwater contamination. The State records reviewed included hazardous waste sites, landfills, and sites with registered or leaking underground storage tanks. The pertinent regulatory information is summarized for each site.

The regulatory databases reviewed during this assessment are listed below and a description of the databases is included in the appendix of this report.

3.1 Federal Databases

CERCLIS	Comprehensive Environmental Response, Cleanup and Liability Information System
NPL	National Priorities List (Superfund)
RCRIS	Resource Conservation and Recovery Information System
FINDS	EPA Index System for Permitted Facilities
ERNS	Emergency Response Notification System

3.2 State Databases

SPL/SHWS	State Priority List Site / State Hazardous Waste Sites
RUST	Registered Underground Storage Tanks
LUST	Leaking Underground Storage Tank Incident Reports
SWF/LS	Solid Waste Facilities / Landfill Sites

The information collected during the review of the regulatory databases is summarized in the following section, Summary of Findings.

4.0 SUMMARY OF FINDINGS

4.1 Documented Contamination Sites

Based on the outlined methods of investigation, no sites with documented contamination were identified within the Project Corridor.

4.2 Potential Contamination Sites

Based on the outlined methods of investigation, the following site with the potential for contamination was identified within the Project Corridor. The site location is noted on the site location map included in Appendix A.

- **1) Pee Dee Grocery**, located at 9150 US 701 South, at the intersection of Lucas Bay Road and US 701, located within the Project Corridor.

General Site Information – The site is an active gasoline station. Two diesel ASTs and one kerosene AST are located at the site, approximately 200 feet northwest of the existing US 701 centerline. 4 USTs are located at the site, with the UST basin approximately 40 feet from the existing US 701 centerline.

Regulatory Status – Registered Underground Storage Tank (RUST) Site, DHEC ID #07864. The site is listed as a RUST site with 4 USTs currently in use. The UST system is listed by DHEC as being in compliance, and no releases have been reported for the site.

4.3 Local Regulatory Information

The DHEC Environmental Quality Control (EQC) – Waccamaw district office was contacted regarding known environmental concerns in the Project Corridor area. A representative of the EQC office indicated that a small spill of diesel fuel from a tractor trailer incident had previously occurred on the Pee Dee River bridge; however, the available information indicated that the spill was a very small quantity and that DHEC was satisfied with the response. No known soil or

groundwater contamination has been reported from this incident. No other information regarding environmental conditions, other than the referenced UST site, were readily available.

5.0 SUMMARY

Hazardous Material / Waste Site Assessment

This report represents a substantial review of the previous and current conditions of the Project Corridor in reference to the presence of documented and potential hazardous material sites. Based on the findings of this assessment, there is a relatively low potential that the current or proposed right of way area has been impacted by the Pee Dee Grocery site, a former UST site. Based on the results of this assessment, it would be warranted to conduct a Phase II investigation of the Pee Dee Grocery site if the site will be a total acquisition. It may also be warranted to conduct a Phase II investigation of any areas of existing or proposed SCDOT right of way that have potentially been impacted by the site.

For this project, the Phase II Assessment would include a site specific evaluation of soil and/or ground water quality. The determination of areas which warrant Phase II Assessment services should be site specific, based on hydrogeologic conditions, distance from specific environmental concerns, and other relative factors. Specific Phase II Assessment recommendations can be formulated upon review of preliminary engineering plans.

No other sites with the potential to adversely impact the Project Corridor were identified within the scope of this assessment.

6.0 WARRANTY

Services provided by ARM in this environmental assessment have been conducted in accordance with generally accepted environmental practices. This report has been generated solely for the use of the client. The information presented in this report is based only upon our site observations at the time of the site reconnaissance and data generated during our site reconnaissance. We cannot be responsible for the accuracy of information provided by others; however, we have no reason to suspect that any of the information provided is inaccurate. We accept no responsibility of damages or claims resulting from past or future environmental impact to the site caused by on or off-site activities or contamination, nor do we accept responsibility for subsequent remediation. This study is intended to be a non-biased assessment of on-site environmental conditions. No other warranties, either expressed or implied, are made.

Appendix A

Site Location Maps



Project
 Hazardous Material / Waste Site Assessment
 US 701 Bridge Replacement Project Over the
 Great Pee Dee River, Great Pee Dee Overflow
 and Lake Yauhannah
 Horry & Georgetown Counties, South Carolina

Figure 1
 Site Location Map

Scale
 No Scale

Date
 February 2005

ARM ENVIRONMENTAL SERVICES, INC.

Appendix B

Descriptions of Regulatory Databases

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/12/04

Date Made Active at EDR: 12/09/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/04

Elapsed ASTM days: 37

Date of Last EDR Contact: 11/02/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 09/23/04

Date Made Active at EDR: 12/09/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/04

Elapsed ASTM days: 37

Date of Last EDR Contact: 11/02/04

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

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/10/04

Date Made Active at EDR: 10/27/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/04

Elapsed ASTM days: 36

Date of Last EDR Contact: 09/21/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/27/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 09/21/04

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/23/04
Date Made Active at EDR: 11/18/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/07/04
Elapsed ASTM days: 42
Date of Last EDR Contact: 12/07/04

RCRA: Resource Conservation and Recovery Act Information

Source: EPA
Telephone: 800-424-9346

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/11/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/24/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 11/24/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 10/25/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/13/04

CONSENT: Superfund (CERCLA) Consent Decrees

Source: Department of Justice, Consent Decree Library
Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/05/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

ROD: Records Of Decision

Source: EPA
Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/09/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/06/04
Date of Next Scheduled EDR Contact: 01/03/05

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/12/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/02/04
Date of Next Scheduled EDR Contact: 01/31/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/04
Date of Next Scheduled EDR Contact: 01/03/05

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/28/04
Date of Next Scheduled EDR Contact: 01/17/05

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 09/13/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/28/04
Date of Next Scheduled EDR Contact: 12/27/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/22/04
Date of Next Scheduled EDR Contact: 02/21/05

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

UMTRA: Uranium Mill Tailings Sites

Source: Department of Energy
Telephone: 505-845-0011

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

ODI: Open Dump Inventory

Source: Environmental Protection Agency
Telephone: 800-424-9346

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03
Database Release Frequency: Varies

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

Source: USGS

Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/12/04

Date of Next Scheduled EDR Contact: 02/07/05

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/06/04

Date of Next Scheduled EDR Contact: 03/07/05

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02

Database Release Frequency: Annually

Date of Last EDR Contact: 09/20/04

Date of Next Scheduled EDR Contact: 12/20/04

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 12/06/04

Date of Next Scheduled EDR Contact: 03/07/05

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

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 04/13/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04

Date of Next Scheduled EDR Contact: 12/20/04

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01

Database Release Frequency: Annually

Date of Last EDR Contact: 10/18/04

Date of Next Scheduled EDR Contact: 01/17/05

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

STATE OF SOUTH CAROLINA ASTM STANDARD RECORDS

SHWS: Site Assessment Section Project List

Source: Department of Health and Environmental Control
Telephone: 803-734-5376

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/29/04
Date Made Active at EDR: 12/10/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 11/15/04
Elapsed ASTM days: 25
Date of Last EDR Contact: 10/15/04

SWF/LF: Permitted Landfills List

Source: Department of Health and Environmental Control
Telephone: 803-734-5165
Source: Department of Health and Environmental Control, GIS Section
Telephone: 803-896-4084

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/25/04
Date Made Active at EDR: 10/06/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/30/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 10/25/04

LUST: Leaking Underground Storage Tank List

Source: Department of Health and Environmental Control
Telephone: 803-898-4350

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/13/04
Date Made Active at EDR: 10/15/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/20/04
Elapsed ASTM days: 25
Date of Last EDR Contact: 11/22/04

UST: Comprehensive Underground Storage Tanks

Source: Department of Health and Environmental Control
Telephone: 803-898-4350

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/13/04
Date Made Active at EDR: 10/15/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/20/04
Elapsed ASTM days: 25
Date of Last EDR Contact: 11/22/04

VCP: Voluntary Cleanup Sites

Source: Department of Health and Environmental Control
Telephone: 803-896-4049

Date of Government Version: 07/14/04
Date Made Active at EDR: 08/09/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/14/04
Elapsed ASTM days: 26
Date of Last EDR Contact: 10/13/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF SOUTH CAROLINA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Storage Tank List

Source: Department of Health and Environmental Control
Telephone: 803-898-4350
Registered Aboveground Storage Tanks.

Date of Government Version: 03/25/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

SPILLS: Spill List

Source: Department of Health and Environmental Control
Telephone: 803-898-4111

Date of Government Version: 04/28/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/06/04
Date of Next Scheduled EDR Contact: 12/27/04

GWCI: Groundwater Contamination Inventory

Source: Department of Health and Environmental Control
Telephone: 803-898-3798
An inventory of all groundwater contamination cases in the state.

Date of Government Version: 07/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

DRYCLEANERS: Drycleaner Database

Source: Department of Health & Environmental Control
Telephone: 803-898-3882

The Drycleaning Facility Restoration Trust Fund database is used to access, prioritize and cleanup contaminated registered drycleaning sites.

Date of Government Version: 11/01/02
Database Release Frequency: Varies

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Sites

Source: Department of Health and Environmental Control
Telephone: N/A

Date of Government Version: 07/14/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 01/10/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

AUL: Land Use Controls

Source: Department of Health & Environmental Control

Telephone: 803-896-4049

The term Land Use Controls or "LUCs" encompass institutional controls, such as those involved in real estate interests, governmental permitting, zoning, public advisories, deed notices, and other legal restrictions. The term also includes restrictions on access, whether achieved by means of engineered barriers (e.g., fence or concrete pad) or by human means (e.g., the presence of security guards). Additionally, the term includes both affirmative measures to achieve the desired restrictions (e.g., night lighting of an area) and prohibitive directives (e.g., restrictions on certain types of wells for the duration of the corrective action). Considered altogether, the LUCs for a facility will provide a tool for how the property should be used in order to maintain the level of protectiveness that one or more corrective actions were designed to achieve.

Date of Government Version: 11/03/04

Database Release Frequency: Varies

Date of Last EDR Contact: 10/15/04

Date of Next Scheduled EDR Contact: 01/10/05

BROWNFIELDS: Brownfields Sites Listing

Source: Department of Health & Environmental Control

Telephone: 803-896-4069

The Brownfields component of the Voluntary Cleanup Program allows a non-responsible party to acquire a contaminated property with State Superfund liability protection for existing contamination by agreeing to perform an environmental assessment and/or remediation.

Date of Government Version: 11/03/04

Database Release Frequency: Varies

Date of Last EDR Contact: 10/15/04

Date of Next Scheduled EDR Contact: 01/10/05

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Day Care List

Source: Department of Social Services

Telephone: 803-898-7345

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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Appendix C

Site Photographs



Photograph 1 – Typical view of Project Corridor from Yauhannah end of corridor, showing wooded, undeveloped nature of the corridor.



Photograph 2 – View of Pee Dee Grocery, a UST site, located along the northeastern end of the Project Corridor.