

**MISSISSIPPI RIVER - GULF OUTLET
NEW LOCK AND CONNECTING CHANNELS**

PART I - HTRW INITIAL ASSESSMENT REPORT

C.1.0. INTRODUCTION

This report was prepared in conjunction with the Inner Harbor Navigation Canal (IHNC) Lock Replacement Study - Feasibility Report. The project consists of replacement of the existing lock on the IHNC and demolition of the existing lock. This Initial Assessment precedes the Hazardous, Toxic and Radioactive Waste (HTRW) Remedial Investigation for the subject study.

C.2.0. OBJECTIVES OF A HTRW INITIAL ASSESSMENT

The primary objective of a HTRW Initial Assessment is to gather and evaluate information regarding the existence or potential for HTRW located in or affecting Corps Civil Works projects. It addresses HTRW contamination or potential for contamination on lands, including structures and submerged lands in the project area, or external HTRW contamination which could impact the project.

Engineering Regulation 1165-2-132, Water Resources Policies and Authorities - Hazardous, Toxic, and Radioactive Waste (HTRW) Guidance for Civil Works Projects dated June 26, 1992 was used as a guide for this Initial Assessment. Prior to issuance of this guidance, The Draft Hazardous and Toxic Waste (HTW) Guidance for Civil Works Projects dated July 25, 1990 was the standard.

The HTRW Initial Assessment addresses the existence or potential for HTRW contamination on lands, including structures and submerged lands in the study area, or external HTRW contamination which could impact the project. The Initial Assessment relies on existing documents, interviews, and observances gathered during the visual site survey. Due to the industrial nature of the project area and the fact that the project is now in feasibility phase, it was decided that testing would be conducted along with this Initial Assessment. The testing plans, results and analysis are presented in the HTRW Remedial Investigation Report.

The following procedures include steps normally taken during a HTRW Initial Assessment. The area of study normally includes the subject site(s) and surrounding areas which are currently impacting or may potentially impact the subject site(s).

Agency Review

- Consult the Environmental Protection Agency (EPA), Louisiana Department of Environmental Quality (LDEQ) and local regulatory or response agencies for permit/license applications and violations, enforcement and/or litigation against property owners, and for general information about local HTRW problems such as illegal

dumping, asbestos in buildings and past contamination. In the State of Louisiana, such consultations may include but are not limited to:

- EPA - Comprehensive Environmental Response Compensation and Liability Act (CERCLIS) Inventory listing
- EPA - Resource Conservation and Recovery Information Service (RCRIS) Inventory listing
- LDEQ, Office of Legal Affairs and Enforcement
 - Inactive and Abandoned Sites Division
- LDEQ, Office of Solid and Hazardous Waste
 - Solid Waste Division
 - Hazardous Waste Division, Compliance Section
 - Hazardous Waste Division, Emergency Response Section
 - Hazardous Waste Division, Authorization/Revenue/Information Management Section
 - Underground Storage Tanks Division
- LDEQ, Office of Water Resources
 - Ground Water Protection Division
- LDEQ, Office of Air Quality and Radiation Protection
 - Air Quality Compliance Division
 - Air Quality Regulatory Division
 - Radiation Protection Division
- Louisiana Department of Natural Resources (LDNR)
- State Police - Right to Know
- Parish or City Fire Departments
- Parish or City Public Works or Engineering Departments

Land Use/History

- Study and compare current and historic aerial photographs (United States Geological Service (USGS), Soil Conservation Service (SCS), commercial, United States Army Corps of Engineers (USACE), universities, libraries, historic offices, parish tax maps, etc.)
- Research titles/deed histories.
- Interview long time residents, workers and current property owners about past land uses, potential contamination, and history of HTRW problems.
- Determine the historical land use history of the project area.

Visual Site Survey

- Conduct visual site survey to determine potential for HTRW.
- Consider visual quality of soil and sediment, groundwater, surface water, rock and vegetation.

C.3.0. GEOLOGY AND PROJECT DESCRIPTION

GEOLOGY INFORMATION TO BE PROVIDED BY F&M BRANCH, PROJECT DESCRIPTION TO BE PROVIDED BY PROJECTS ENGINEERING SECTION.

C.4.0. SCOPE OF INVESTIGATION

The IHNC Lock Replacement Feasibility Study HTRW Initial Assessment included the following:

C.4.1. AGENCY CONSULTATION. Officials of agencies or departments were consulted to obtain information on local HTRW problems and history of past contamination. Analysis and identification of potential impacts were investigated. The location of known or suspected HTRW was considered in evaluating the potential for HTRW contamination within or near the project area. Numerous visits to Baton Rouge, LA to review hard copy records maintained by local, state and federal agencies were conducted as part of the investigation. Tables included in this report were obtained from these various agencies. In many tables there are omissions or misspellings of data, however, these tables are presented in the report as received by the agency. In general, the area of concern within Orleans and St. Bernard Parishes were limited to sites with 70117 and 70126 zip codes (Orleans Parish) and 70032 zip code (St. Bernard Parish). The 70117 and 70126 zip codes extend approximately 1 to 2 miles from the canal centerline (See Plate 1). A portion of the disposal area is in the zip code 70032, which is the city of Arabi in St. Bernard Parish. Sites within the 70032 zip code were included if they were north of St. Claude Avenue, and therefore close to the disposal area. The following agencies were consulted during the proceedings of the HTRW Initial Assessment:

- Port of New Orleans
- Louisiana Department of Environmental Quality (LDEQ)
- Louisiana Department of Natural Resources (LDNR)
- Louisiana State Police
- United States Environmental Protection Agency (EPA)
- United States Geological Survey (USGS)
- United States Army Corps of Engineers (USACE)
- United States Fish and Wildlife Service (USF&WS)

C.4.2. LAND USE HISTORY. A report titled "A Land Use History of Areas Adjacent to the Inner Harbor Navigation Canal Lock, New Orleans" was prepared for this investigation in November, 1992 by R. Christopher Goodwin & Associates, Inc. The report contains a land use history, from 1940 to present, of the Inner Harbor Navigation Canal area, New Orleans, Louisiana. In order to pinpoint sites possibly contaminated by the disposal of hazardous and toxic wastes, the report identifies the businesses and industries that operated adjacent to the waterway. Particular emphasis was placed on the use of Sanborn fire insurance maps, city directories, the records of the Port of New Orleans, and the files of various environmental agencies. A Deed Search was not conducted as a part of this Initial Assessment. Significant findings from this report are included in Section 5.2.1.

C.4.3. VISUAL SITE SURVEY. Visual site surveys conducted as a part of the HTRW Initial Assessment included the area where expected excavation is anticipated. In general, special consideration was given to sites from the Mississippi River north in the IHNC to the Florida Avenue bridge. This cursory visual site survey of the Port of New Orleans owned land was conducted by team members on July 12, 1992. Seven New Orleans District (NOD) team members as well as two Port employees were included in the site visit. The site survey included accessible areas of each of the Port owned properties where excavation is expected adjacent to the IHNC.

The cursory visual site survey of the existing IHNC Lock operated by the USACE was conducted on September 30, 1992 by NOD personnel as part of the Environmental Review Guide for Operations (ERGO) training conducted by the Corps.

Soil, sediment, ground water, surface water, air and dust were considered during the visual site surveys. Features indicative of HTRW contamination were evaluated and noted. Significant findings from the visual site surveys are noted in Section 5.3.

C.5.0. INVESTIGATION RESULTS

C.5.1 AGENCY CONSULTATION. Federal, state, and local regulatory and non-regulatory agencies were consulted during the Initial Assessment. The following is the information gathered.

C.5.1.1. EPA RECORDS. Team members conducted interviews and researched listings provided by EPA personnel. Two major listings, the CERCLIS Inventory and the RCRIS Inventory were reviewed. In the entire state of Louisiana, there are approximately 800 suspected and confirmed hazardous waste sites making up the CERCLIS Inventory. Of these 800, 12 are Superfund sites, otherwise known as NPL sites (National Priorities List). There are no NPL sites in the project area, however, most of the hazardous waste sites in Louisiana come under the states jurisdiction. In 1984, the Louisiana Legislation passed the Louisiana Environmental Quality Act, establishing LDEQ as the state agency with primary responsibility for the environment. The act also created the Inactive and Abandoned Sites Division of LDEQ. The divisions sole objective is to investigate and remediate inactive and abandoned hazardous waste sites in Louisiana. Since most hazardous waste sites are under the jurisdiction of the state, most of the information contained in the agency review area came from LDEQ.

C.5.1.1.1 CERCLIS INVENTORY. In 1980, Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) commonly known as Superfund. Under Superfund, the EPA has the authority to identify and directly respond to sites which have the potential to release hazardous substances into the environment. Funding for Superfund comes first from the potentially responsible parties (PRPs), those persons or companies potentially responsible for contamination at the site. This responsibility stems from past or present ownership, past disposal of material or generation of material. The CERCLIS

inventory is a database used by the EPA to track past activities under the Superfund Program. The identification of a site on the CERCLIS inventory does not necessarily indicate illegal activity or confirm that an actual health or environmental threat exists. Likewise, the absence of a site on the inventory does not necessarily mean it is contaminant-free.

The NPL is EPA's list of uncontrolled or abandoned hazardous waste sites identified for possible long-term remediation action under Superfund. The Hazard Ranking System (HRS) is the chief method EPA uses to rank the potential risks posed by different sites.

EPA identifies abandoned or uncontrolled hazardous waste sites through a variety of methods, including reviewing records and information provided by states, handlers of hazardous substances or concerned citizens. Information is incorporated into the CERCLIS, a national computerized data base that contains information on potential hazardous waste sites as well as information of Superfund removal, remedial, and enforcement activities.

Once identified, EPA or the state conducts a Preliminary Assessment (PA) to decide if the site may pose a potential hazard. If a PA shows the site does not present a potential hazard, no further action may be taken. If the PA shows that a contamination problem exists, EPA then performs a more extensive study called the Site Investigation (SI).

The HRS is a scoring system that evaluates the potential relative risks to human health and the environment posed by different sites. It doesn't determine if cleanup is needed, but rather it allows EPA to compare the potential risks presented by different sites. Preliminary Assessments, Site Investigations, and other information are used to develop three HRS scores. The first measures the possibility of harm to humans or the environment from hazardous substances leaving the site through ground water, surface water or air. This score is used to place sites on the NPL. The second score measures the possibility of harm to people coming in contact with the hazardous substances. The third score measures the possibility of harm from fires or explosions caused by the hazardous substances. The first score generally is called "the HRS score", a score of 28.50 is the cutoff limit for placement on the NPL. This cutoff score was selected to satisfy a minimum number of sites which were originally included on the NPL. Since this time, EPA has continued to include all sites with scores of 28.50 or higher. The cutoff was selected to meet legal requirements and does not reflect a decision that sites scoring below the cutoff do not present some risk.

For sites to be included on the NPL, a site must have a HRS score of 28.50 or more, and the state must have chosen the site as its top priority site, or it must meet all three of the following criteria: (1) the United States Department of Health and Hospitals Services has issued a health advisory recommending that people be removed from site to avoid exposure, (2) EPA determines that the site represents a significant threat, and (3) EPA determines that remedial action is more cost effective than removal action. The NPL serves to notify the public of sites that EPA decides may represent a long-term health threat to public health or the environment and thus may need remedial action. The NPL is one tool EPA uses to help set priorities for cleanup of remedial sites.

Consultation with the EPA yielded a copy of the Superfund CERCLIS Inventory dated December 17, 1992 and a computer-generated map showing the CERCLIS database sites with known latitudes and longitudes. Available files on each site kept by LDEQ's Inactive and Abandoned Sites Division were also reviewed to determine the possible problem at each site.

Sites which may have the potential for releasing hazardous substances into the environment are added to the CERCLIS inventory. EPA may obtain this information from property owners, citizen complaints, state and local government identification or as the result of other EPA investigations.

The sites on the inventory fall into one of five categories:

- (1) "Lower Priority" falls into the first group of sites which may be potentially hazardous and require preliminary investigation. If the investigation yields possible evidence of contamination, the site is assigned this status if it is considered low priority.
- (2) "Higher Priority" falls into this same group of sites which may be potentially hazardous and require preliminary investigation. If the investigation yields possible evidence of contamination, the site is assigned this status if it is considered high priority.
- (3) "No further remedial action planned (NFRAP)", includes sites which have been investigated and no further investigation or remedial action is planned under the Federal Superfund Program. Sites which receive a score greater than 28.5 on the HRS are retained by EPA and placed on the NPL. Sites which do not receive a score greater than 28.5 are referred to the state regulatory agency and may still require remedial action. LDEQ will recommend No Further Action by the State (NFAS) for four reasons: a) No HTRW is found, b) the site falls under another regulatory agency's jurisdiction, c) the remedial action is complete, or d) the site is non-existent.
- (4) "Deferred to RCRA (Resource Conservation and Recovery Act) or NRC (Nuclear Regulatory Commission)" includes sites which are currently operational and therefore are not covered under the Superfund Program.
- (5) NPL (National Priorities List), final and proposed sites. This group of sites has been investigated and EPA has determined that contaminants have been released to the environment.

Once a site is included on the CERCLIS inventory it is never removed even though it is designated as NFRAP under the Superfund program. Therefore one should not misinterpret the meaning of a site being contained in the CERCLIS inventory. Listing of a site on the CERCLIS inventory does not necessarily mean it is contaminated and the absence of a site on the inventory does not necessarily mean it is contaminant-free.

There is a total of 32 CERCLIS sites in Orleans Parish and nine sites in St. Bernard Parish. Only sites in close proximity to the project area were researched. The following is a listing of sites in the project vicinity of Orleans and St. Bernard Parishes which were on the CERCLIS Inventory. The status of each is also listed. These sites were investigated in further detail in the Inactive and Abandoned Sites Division's fileroom on February 16, 1992 by NOD Hydraulics

and Hydrologic Branch personnel. If a file was not available at LDEQ, the Preliminary Assessment/Site Investigation (PA/SI) Reports were requested from EPA Region 6. Any information obtained from EPA follows Table 1.

**TABLE 1
EPA SUPERFUND PROGRAM CERCLIS INVENTORY**

LA ID #	Site Name	Status
LAD981056997	Agriculture Street Landfill	Lower Priority
LAD980621767	Browning-Ferris Ind - Landfill	Lower Priority
LAD008155996	Citadel Cement Corporation	No Further Remdl Act Plnd
LAD980750798	Conaway Truck Service	Lower Priority
LAD980880199	Florida Avenue Wharf Site	No Further Remdl Act Plnd
LAD980621817	Gentilly Landfill	Lower Priority
LAD985169663	Industrial Canal	No Further Action
LA4690310871	New Orleans Coast Guard Base	Higher Priority
LA9210899952	New Orleans Military Terminal	Higher Priority

With the exception of the site named "Industrial Canal", all entries were taken from a U.S. EPA Superfund Program CERCLIS Site/Event Listing dated December 17, 1992, which was obtained from EPA personnel. The "Industrial Canal" site was listed on an earlier listing dated March 12, 1991, but was not listed on the updated version. The EPA Potential Hazardous Waste Site Identification for this site includes a handwritten note "Non-site". EPA could not explain why the site was removed from the inventory since a site is never supposed to be removed from the CERCLIS listing.

Browning Ferris Industries - Landfill (LAD980621767). This site is located at 6699 Florida Avenue with a latitude and longitude of 29° 58' 48"N, 89° 59' 27"W. It is on the east side of the IHNC on the Orleans and St. Bernard Parish lines. This strip of land divides the two proposed disposal areas for the dredged material.

A Notification of Hazardous Waste Site dated June 9, 1981 indicated that the site handled the following types of waste: Sanitary sewage sludge with small quantities of unknown hazardous waste and small quantities of unknown hazardous wastes mixed with industrial/commercial/municipal/household wastes. Sources of waste are listed as follows: construction, chemical, sanitary/refuse, lab/hospital and unknown.

A Potential Hazardous Waste Site Identification and Preliminary Assessment dated March 8, 1982 indicates the description of the site as an active municipal solid waste disposal facility consisting of 280 acres of normal low land. The landfill began operation in 1964 and had a projected life of approximately 10 additional years. The site handles 2,655 cubic yards of commercial waste per day. According to the BFI regional manager, no hazardous wastes are

disposed of on-site. The landfill is located on a perched water table and BFI plans to put a slurry trench in to control leachate. Past regulatory action was noted in the file with the reason given as inadequate cover. No drums or liquids are accepted into the landfill. During the inspection, there was no indication of any hazardous waste having been disposed at the site nor was there any sign of run-off from the landfill. The recommendation from the PA is No Action Needed.

An evaluation form used by the EPA in determining the final step or steps necessary, The Potential Hazardous Waste Site Final Strategy Determination, indicates the rationale for this determination to be "This site is an active municipal solid waste disposal facility. No hazardous waste is disposed of on-site. An on-site inspection indicated no hazardous waste nor any sign of runoff from the landfill. The recommendation is No Action Needed."

Conaway Truck Service (LAD980750798). The location of the site is 1132 Elysian Fields Avenue, New Orleans LA 70117. The alleged site is in actuality a fan shop located in a mixed business/residential area of New Orleans. There are no facilities for waste storage or disposal. The owner stated that he got out of the trucking business 10 years ago and never hauled waste materials. No Action Needed was the recommendation of the assessment.

The Potential Hazardous Waste Site Final Strategy Determination also indicated that no action was needed.

Industrial Canal (LAD985169663). A Potential Hazardous Waste Site Identification dated August, 1989 indicates that the site is located on Canal Street in New Orleans, LA 70130, the type of ownership is marked as unknown. There is no site description. Under the summary of potential or known problems it states "Drums of unknown contents found floating in canal". At the bottom of the report is handwritten "non site".

In the Land Use History Report, personnel from Region 6 EPA indicated that the Coast Guard was the offending party. The file was confidential and EPA said that the Coast Guard in May 1992 removed "a minor threat" in the vicinity of its facility. It is not known if this was related to their CERCLIS listing since the dates were inconsistent.

New Orleans Coast Guard Base (LA4690310871). The site is located at 4640 Urquhart Street, New Orleans, LA 70117. A Potential Hazardous Waste Site Preliminary Assessment was conducted on April 12, 1988 indicating that the site was a small quantity generator from 1934 to present. Lead acid batteries, spent paint/thinner, waste oil/bilge, spent solvents/degreasers and fluids are included in the listing of substances possibly present. This site has had no hazardous conditions or incidents. There was no recommendation noted on if further action was required.

C.5.1.1.2. RCRIS DATABASE. LDEQ's Hazardous Waste Division maintains records corresponding to EPA's RCRA records. The LDEQ data is contained in section 5.1.2.4.

C.5.1.2. LDEQ RECORDS. Team members conducted interviews with LDEQ personnel and researched publications, records, listings, databases and files. Personnel from the following offices of LDEQ were interviewed and/or records were reviewed. LDEQ publications which were reviewed are summarized in Section 5.1.2.1.

C.5.1.2.1. LDEQ PUBLICATIONS. Three LDEQ publications were reviewed during the compilation of this assessment report: The Louisiana Toxic Release Inventory (TRI) of 1990, the March-April 1993 issue of the Louisiana Environmentalist, and the 1990 State of Louisiana Water Quality Management Plan.

The information in the Louisiana TRI for 1990 is based on information submitted pursuant to Section 313 of the Federal Emergency Planning and Community Right to Know Act (EPCRA) as part of the Federal Superfund Amendments and Reauthorization Act (SARA) of 1986. For 1990, the parish of Orleans had a total of 1,287,912 pounds of toxics released into the environment. Of this, 94% was air releases, 3.1% was transported off site, 2.7% was surface water releases, and less than 1% each were on-site land releases, deep well injections and transfers to public sewerage system. TRI reporting requires only manufacturing facilities to report toxic releases. Other sources of toxic releases such as federal facilities, gas processing plants, warehouses, photographic processing companies, dry cleaning and commercial disposers of hazardous wastes are not included in the Section 313 reporting requirement. Facilities using or releasing the designated chemicals below regulatory threshold amounts are not required to report. The Congressional Office of Technology Assessment (OTA) estimates that the TRI represents only five percent of the total toxic releases to the environment.

The Louisiana Environmentalist periodical and the 1990 State of Louisiana Water Quality Management Plan were reviewed. Information obtained from both are included throughout this assessment report.

C.5.1.2.2. OFFICE OF LEGAL AFFAIRS AND ENFORCEMENT.

OFFICE OF LEGAL AFFAIRS AND ENFORCEMENT, INACTIVE AND ABANDONED SITES DIVISION. In reviewing LDEQ's Inactive and Abandoned Sites files and the Superfund CERCLIS Inventory, the following information was obtained on each of the following CERCLIS sites. The information is in hardcopy files.

Agriculture Street Landfill (LAD981056997). This site is a 500 acre previously used municipal dump. Bordering streets are Agriculture, Press, Feliciana and Industry streets. The address listed is 4100 Touro Street, New Orleans, LA 70122. In 1983-84 the Orleans Parish School Board was considering relocating Moton School to this site.

The site was operated as a landfill from 1950 to 1966. Until 1958 the landfill was utilized for disposal of incinerate residues. In 1958 landfill operations were discontinued at the site. In September 1965 it was reopened for eight months to receive storm related debris and waste from Hurricane Betsy. This waste was burned on the site. Since 1966 the New Orleans

Department of Sanitation has maintained no control or use of the landfill.

One EPA Report in the file labelled Preliminary Assessment and Site Investigation dated February 6, 1987 states that there were "hot spots" of lead. A December 1987 Site Investigation Report indicates concerns over asbestos, lead, mercury, chlordane, dieldrin and heptachlor. Other papers in the file indicate somewhat elevated levels of heavy metals and polyaromatic organic compounds (PNA's), methane gas and pesticides. No dioxins or polychlorinated biphenyls (PCBs) were found.

The CERCLIS inventory shows a Preliminary Assessment and site investigation was completed on March 1, 1987. The status of the site is lower priority.

Browning-Ferris Ind - Landfill (LAD980621767). There was no file available from the Inactive and Abandoned Sites Division fileroom on this particular site. The site is listed with an address on 6699 Florida Avenue, New Orleans, LA 70126. A Preliminary Assessment was completed on March 1, 1982 with a status of lower priority. See Section 5.1.1.1 for information obtained from EPA Region 6.

Citadel Cement Corporation (LAD008155996). The address listed for this site is 2315 France Street, New Orleans, LA 70117. The site is approximately 17.5 acres on the west bank of the IHNC south of Florida Avenue in the turning basin. The site is the previous Lone Star Industries, Inc., consisting of office and administrative buildings and an inactive cement manufacturing building. Latitude and longitude coordinates for the site are listed as 30° 58' 35"N, 90° 01' 45"W.

The site is a cement shipping terminal. It was originally owned and operated by Lone Star Cement as a cement manufacturing plant. Lone Star started operations in 1926 and eventually sold the site to Citadel Cement Corporation in 1980. Citadel has never operated the manufacturing plant. Dates of waste handling were listed as 1952 to 1980. The description of the site as listed on the EPA Notification of Hazardous Waste Site is as follows: "A small amount of hexavalent chrome averaging approximately 0.40 ppm is contained in certain discarded kiln basic brick. This brick was combined with other type waste brick, overburden, and harmless waste materials and discarded throughout various areas of plant property as fill. The total amount of hexavalent chrome thus discarded was approximately 1 to 1.5 pounds per kiln per year representing about 0.004% by weight of the wasted kiln basic brick. Sampling of groundwater in a few areas where the subject brick was known to have been discarded tested for total chrome at levels less than drinking water standards at 0.05 mg/l." An additional remark noted in the file was as follows: The quantity and locations of the discarded kiln bricks are unknown.

No further action was recommended by EPA because of low permeability of soil and lack of groundwater usage in the local area which limits the site's threat to the environment. This was included in an EPA Potential Hazardous Waste Site Final Strategy Determination dated August 29, 1985.

On May 22, 1992, personnel from NOD Hydraulics and Hydrologic Branch spoke to a Citadel representative in Dallas, Texas about the reason why the site was listed on the CERCLIS inventory. He stated that the site was used to process cement and the waste generated was usually buried on site. He also said that Citadel Cement Company never did use the four processing kilns and were going to tear them down in the near future.

The CERCLIS inventory indicated that the status of the site was listed as lower priority with completion of the Preliminary Assessment dated July 1, 1984. With completion of the site investigation on October 1, 1985 the status was listed as NFRAP.

Conaway Truck Service (LAD980750798). No file was available from Inactive and Abandoned Sites Division on this site. The address listed on the CERCLIS inventory is 1132 Elysian Fields, New Orleans, LA 70117. A Preliminary Assessment was completed on March 1, 1981 and the site was listed with a status of lower priority. See Section C.5.1.1.1 for information obtained from EPA Region 6.

Florida Avenue Wharf Site (LAD980880199). The site is located on the west bank of the IHNC between Florida Avenue and Claiborne Avenue. The address listed on the CERCLIS inventory is Florida Avenue, New Orleans, LA 70122. The CERCLIS inventory also indicates that a removal action was conducted by the responsible party from October 30, 1984 to November 27, 1984. With completion of the Preliminary Assessment on October 1, 1986, the site status was NFRAP.

The EPA Potential Hazardous Waste Site Final Strategy Determination dated November 22, 1985 states: "Site is located in an industrial area of New Orleans and is immediately adjacent to the Inner Harbor Navigation Canal. The site consisted of an 1,100 gallon PCB contaminated transformer which had leaked most of its contents onto the parking lot. On October 30, 1984 a PRP cleanup was initiated by a contractor and monitored by EPA (TAT). Removal action was completed by mid November. No further action is recommended at this facility."

NOD Hydraulics and Hydrologic Branch personnel attempted several times to reach the Port of New Orleans attorney to confirm the status of the site. No phone calls were returned.

Gentilly Landfill (LAD980621817). The site address as indicated on the CERCLIS inventory is 10200 Old Gentilly Road, New Orleans, LA 70127. The latitude and longitude coordinates of the site are 30° 00' 33"N, 89° 57' 08"W.

The site is approximately 200 acres of active commercial and residential landfill surrounded by 8 foot levees. The site is bordered by the Gulf Outlet, Parish Road, Gentilly Highway and Elaine Street. The landfill is owned by Browning-Ferris Industries.

The EPA Notification of Hazardous Waste Site report indicates that the date of waste handling is 1964 to present. The types of wastes handled are: sanitary sewerage sludge with small quantities of unknown hazardous waste, small quantities of unknown hazardous wastes mixed

with industrial/commercial/municipal/household wastes. The listed sources of waste are construction, sanitary/refuse, lab/hospital, and unknown.

The EPA Potential Hazardous Waste Site - Final Strategy Determination, dated December 1, 1980, indicates "The site investigation report indicates that this site is a municipal landfill, that it just receives residential trash and garbage, that there are no records of hazardous waste being dumped here, and that there is no groundwater use in the area. It therefore appears that no additional action is needed at this time."

The CERCLIS inventory status is listed as lower priority with completion of the Preliminary Assessment on July 1, 1980.

Industrial Canal (LAD985169663). Inactive and Abandoned Sites Division fileroom had no file labeled "Industrial Canal". The site is not listed on the most current version of the CERCLIS inventory. On the March 12, 1991 version of the CERCLIS inventory, the site was listed to have a removal action performed under the current event lead of the Coast Guard from April 26, 1989 to August 3, 1989. The current event lead is a heading on the CERCLIS listing which indicates which agency, federal or state, is the lead agency in the investigation or remediation. It shows no Preliminary Assessment or site investigation. The address listed is Canal Street, New Orleans, LA 70130. See Section 5.1.1.1 for information obtained from EPA Region 6.

New Orleans Coast Guard Base (LA4690310871). No file was available at the Inactive and Abandoned Sites Division fileroom. The site is listed on the CERCLIS inventory with an address of 4640 Urquhart Street, New Orleans, LA 70117. A Preliminary Assessment was completed on July 13, 1992 with a status of higher priority. The current event lead for this assessment was listed as "Fed. Fac.". See Section C.5.1.1 for information obtained from EPA Region 6.

New Orleans Military Terminal (LA9210899952). The address as listed on the CERCLIS inventory is 4400 Dauphine Street, New Orleans, LA 70146. The latitude and longitude coordinates are 29° 57' 30"N, 90° 01' 33"W. The site borders both the IHNC and the Mississippi on the westbank of the IHNC.

As part of the site description, the following was included: "The area of concern is located within the New Orleans Ocean Terminal and consists of (3) USTs of approximately 10,000 gallon capacity, potential presence of Asbestos Containing Material (ACM), suspected PCB transformers, and 'spill prone' areas." Within the summary of potential or known situation: "Monitoring wells have been installed in the area of USTs and soil and water samples have been taken. The UST Division of the Department is involved with this operation. Asbestos surveys and transformer sampling was performed November, 1990. Surface/sediment and water sampling was performed in February, 1991."

Included in the file was a United States Army Corps of Engineers - Toxic and Hazardous Materials Agency Draft Final Environmental Investigation for the New Orleans Military Ocean

Terminal (NOMOT) dated April 1992. From the Results and Conclusions section of the report, the following was obtained: Dielectric fluid was sampled from four transformers in Area E, Building 22. This liquid was found to be non-PCB bearing and not leaking. Motor vehicle fuel constituent contamination was found during soil gas survey in the area of the UST located west of Building 623. Concentration of soil gas vapors indicate that the contamination plume extends from an area just West of Building 623 eastward, beneath the building and within 50 feet of the IHNC. The approximate area of the plume is 8,500 square feet. Total petroleum hydrocarbon compounds (TPHC) were found in surface soils at concentration below recommended LDEQ cleanup criteria of 300 mg/kg. Benzene, toluene and xylene (BTX) were not detected in the soil samples. Groundwater samples from six wells surrounding the UST at Building 623 were taken to determine if BTEX (benzene, toluene, ethyl benzene and xylene) exceeded the cleanup level. Asbestos samples were taken in buildings 623 and 624. All media samples contained asbestos, but the ACM appeared to be nonfriable. Radon sampling was conducted and result were below 4 pc/L.

The Recommendations section of the report recommended remediation of the TPHC contamination of Building 623 by removing soil from the sediment trap and disposing with the soil generated during UST removal. For the UST west of Building 623 it was recommended to implement UST closure in accordance with federal and LDEQ guidelines. Appropriate remedial action to reduce groundwater contamination of total BTEX to prevent off-site mitigation was also to be determined. In conversations with the Hazardous Waste and Safety Manager at the Coast Guard site, it was also learned that at times, the Coast Guard has had delays in transporting stored materials off of their site. The manager said that this may have lead to violations for the site.

Table 2 shows the sites within the project area listed on LDEQ's Louisiana Site Remediation Information System (LARIS) dated January 6, 1993 for which there are no CERCLIS listing. For some sites, the locations were not given. This list was obtained from the Inactive and Abandoned Sites Division fileroom personnel.

**TABLE 2
LDEQ LARIS INVENTORY**

State ID#	Site Name
00121	BFI - Crescent Acres Landfill
00198	Chevron / New Orleans Station
00663	New Orleans Wood Preserving
00754	Reeves Company
00804	Shell Pipe Line Co.
00832	Southern Joslyn Co.

The sites which were not included on the CERCLIS inventory but which were listed on the LARIS were also identified and researched according to proximity to the project location. The

above identified sites were identified but no file was available at LDEQ's Inactive and Abandoned Sites Division fileroom. The location of these sites were not known, therefore it could not be determined if the sites were within the project area or not. The sites were referenced in the New Orleans telephone book, the only site found was Reeves Fabrication at 3900 Old Gentilly Road which is in the project area. It is not known if the site listed in the LARIS inventory is the same company. Since these sites were only listed on the state's inventory, we could not go to another agency to obtain the locations and suspected problems of each of the sites. LDEQ Inactive and Abandoned Sites Division could not give a reason why there were no files on these sites.

C.5.1.2.3. OFFICE OF SOLID AND HAZARDOUS WASTE.

C.5.1.2.3.1. OFFICE OF SOLID AND HAZARDOUS WASTE, SOLID WASTE DIVISION. A map of the project area showing the lock location and proposed dredging disposal areas along with a letter requesting information on existing or previously used landfill locations was sent to LDEQ Solid Waste Division on March 19, 1993. A June 9, 1993 letter returned stating that the Solid Waste Division has completed the landfill search of the project area. It indicated that there are no existing or previous landfills located within the boundary of the project area. However, due to the fact that there is a known operational landfill, namely the BFI landfill, located between the to designated disposal areas, the information provided is questionable.

C.5.1.2.3.2. OFFICE OF SOLID AND HAZARDOUS WASTE, HAZARDOUS WASTE DIVISION, EMERGENCY RESPONSE SECTION. This office maintains a handwritten log of spills which occur in the state and are reported to LDEQ. The spill logs contain the date of the incident, the location, the company responsible for the incident, the parish, and the transporter and disposer if applicable. Each log entry has a corresponding file with additional information, reports are also included if the incident was investigated by LDEQ personnel.

Spill records maintained by the Emergency Response Section were reviewed according to each spill location in reference to the project area. There were 536 spills logged for Orleans Parish beginning 1985 through February 18, 1993. Of these, 229 spills were within the vicinity of the project.

Sixty spills were recorded at 3501 France Road. This constitutes 26 percent of the spills in the project vicinity. The France Road Terminal, Berths 5 and 6, is located at this address. The New Orleans Marine Contractors (NOMC), a Division of Baton Rouge Marine Contractors, Inc. operates at this address. The property is owned by the Board of Commissioners of the Port of New Orleans. The site is used for receipt and shipment of roll-on roll-off general cargo in foreign and domestic trade. It is situated approximately 0.8 miles north of the Florida Avenue Bridge along the west bank of the IHNC.

Forty spills (17 percent of the spills in the project vicinity) were logged at 6701 Almonaster Road of CSX Railroad Yard. This site is approximately 1 mile east of the IHNC near the I-10

crossing.

Twenty five spills (11 percent of the spills in the project vicinity) were recorded at 2101 St. Ferdinand Street, under the name Southern Railway Systems, or Norfolk Southern Railroad. This site is located approximately 1.5 miles west of the IHNC between Florida Avenue and North Claiborne Avenue.

Eighteen spills (8 percent of the spills in the project vicinity) were recorded at 2700 France Road. The France Road Terminal Berths Numbers 1, 2 and 3 are located at this address. The land is owned by the Board of Commissioners of the Port of New Orleans and is operated by same and Sea-Land Services, Inc. Berths 2 and 3 are currently not in use. Berth 1 is used for receipt and shipment of containerized general cargo in foreign and domestic trade. The site is situated on the west side of the IHNC, north of the Florida Avenue Bridge.

The Poland Avenue Wharf has four spills recorded. This Wharf is located on the Mississippi just west of the IHNC confluence.

Two spills were recorded for 2100 Surekote Road. This address is located on the east side of the IHNC, approximately 0.4 miles north of the North Claiborne Avenue Bridge. The site is owned by the Board of Commissioners of the Port of New Orleans and is operated by M. G. Mayer Yacht Services, Inc. and Distributors Oil Co., Inc. M. G. Mayer uses the site for mooring small vessels and barges for repair while Distributors Oil uses the site for fueling small vessels and towboats.

Seven spills were logged for Puerto Rico Marine, address given as 3401 France Road.

Table 3 shows the emergency spill records logged for Orleans Parish from 1985 through February 18, 1993 in the vicinity of the project. The area covered is approximately 1 to 2 miles off the center of the IHNC, having zip codes of 70117 and 70126.

Also researched were emergency spills for St. Bernard Parish. There were a total of 295 spills in St. Bernard Parish for the period from 1985 to February 18, 1993. None of the spills logged were within the project area. Approximately 99% of the spills for the parish were located in the industrialized portion of the parish to the far east. Less than 1% of the spills were in Arabi, but were south of St. Claude Avenue and near the Mississippi River, and therefore were not taken into consideration.

**TABLE 3
EMERGENCY RESPONSE SPILL RECORDS**

Log #	Date	Generator	Location	Address	Material
93	70 01/14/93	NOMC		3501 France Rd	polytetrahydrofuran
93	129 01/12/93	CSX	CSX Railroad Yard		diesel

TABLE 3 continued

Log #	Date	Generator	Location	Address	Material
93	254 02/16/93	CSX	CSX R/R Gentilly Yard		sodium hydroxide solution
92	71 01/14/92	CSX Railroad		6701 Almonaster Ave	sulfuric acid
92	83 01/20/92	Hired trucks	Southern Scrap ltd	4801 Florida Ave	diesel
92	142 01/09/92	American Cyanamid		Almonaster Rd	Acrylonitrile
92	210 02/20/92	CSX Transportation	Railyard in New Orleans		sodium hydroxide, less than 1 gallon
92	459 02/12/92	NOMC, Inc		3501 France Rd	s-ethyl diprophythiocarbonate
92	563 04/09/92	CSX Transportation	Old Gentilly Rd		acetone
92	564 04/07/92	OHMC		3501 France Rd	ethanol leup
92	695 04/29/92	Jackson Dredge	off I-10	4500 Chef St	diesel
92	752 05/05/92	CSX		6701 Almonaster	styrene monomer
92	790 04/28/92	American Marine		2900 Jourdan Rd	oil silt
92	908 05/26/92	Unknown		3501 France Rd	diesel
92	1042 06/07/92	Southern Scrap Co			propane
92	1100 06/17/92	CSX - Gentilly Yard		6701 Almonaster	petroleum oil
92	1131 03/07/92	General Chemical Corp	CSX RR - Gentilly Yard		sulfuric acid
92	1191 03/07/92	General Chemical Corp	CSX RR Gentilly RR		sulfuric acid
92	1496 08/04/92	NOMC - returned 8-10-92 another leak	Berth 5- Row G - Container Yard		nitro methene
92	1529 08/06/92	CSX	CSX Yard		residue, flammable liquid NOS
92	1542 08/07/92	CSX	CSX Railyard		petroleum oil
92	1567 08/11/92	NOMC		3501 France st	phosphoric acid
92	1864 08/14/92	Unknown	Old Gentilly Rd at Jourdan Ave		unknown
92	2008 10/02/92	Unknown	Jourdan Street Terminal		insecticide or pesticide
92	2103 10/10/92	Unknown	Hwy 90 & Industrial Area		drums black/tarish material
92	2182 10/20/92	Unknown		3600 Desire Pkwy	pesticides, garden supply
92	2279 10/24/92	Unknown		4801 Almonaster	toxathene
92	2479 11/25/92	Unknown		4100 block Almonaster	unknown
92	2626 12/21/92	Porto Rico Marine		3404 France Rd	oil (unknown)
91	129 01/28/91	New Orleans Marine Contractors		3501 France Rd	Chloromethylisothiazolin
91	318 01/22/91	Unknown	Chef Menteur Hwy at Downman Rd		Diesel, approx 100 gal removed
91	321 02/19/91	Murphy Oil Company		2101 St Ferdinand St	liquid Petroleum Gas
91	408 02/19/91	Acme Truckline		4039 Louisa St	Paints (Lead Based) approx 38 gallons
91	417 03/20/91	Unknown		4039 Louisa Street	Diesel Fuel
91	468 01/25/91	BASF Corp		2700 France Rd	TDI-Toluene di-isocyanate, 1-3 gals removed
91	667 03/27/91	Dow Chemical		2700 France Rd	Toluene Diisocyanate and/or Polypropylene Glycol
91	669 04/06/91	Huls America, Inc		3501 France Rd	Trimethyl Orthoformate
91	670 04/09/91	NO Marine Contractors		3501 France Rd	Dimethyl Propenoic Acid
91	743 04/13/91	Illinois Central Railroad	Jourdan Rd Terminal		Alkylbenzene
91	961 04/05/91	Mobay Corporation		2700 France Rd	Methamidophos, 10-12 gals removed/recycled
91	962 05/04/91	Puerto Rico Marine		3401 France Rd	Hydraulic Fluid, 700-800 gals removed
91	1309 08/18/91	CSX	Gentilly &		Liquid Petroleum Gas

TABLE 3 continued

Log #	Date	Generator	Location	Address	Material
91	1803	10/20/91 Union Carbide	Almonaster	6701 Almonaster	Ethyl Alcohol & Sodium Aluminate
91	1966	10/30/91 Maritrop Trading Co, Inc	Poland St Wharf		Ammonia Anhydrous
91	2019	01/08/91 ICI Americas, Inc		3501 France Rd	Eptam, approx 10 gals removed
91	2025	05/30/91 BASF		3501 France Rd	Mercaptoethanol
91	2028	07/05/91 Fuel Depot, Inc	Almonaster & Louisa St		Gasoline, less than 50 gals removed
91	2029	07/12/91 ICI America		4400 N Galvez	Trimethyl Phosphite, approx 5 gals removed
91	2120	12/13/91 CSX		7801 Almonaster	Isopropyl Amine
91	2147	11/13/91 Richmond		6701 Almonaster Ave	Diethylenetriamine
91	2196	12/13/91 New Orleans Marine Contractors		3501 France Rd	2-Mercaptoethanol
91	2206	12/13/91 New Orleans Marine Contractors			Fuel Additives
89	30	01/11/89 CSX Transportation	CSX Railyard		Acetylene & Acetone
89	95	02/02/89 Southern Railway System	Southern Railway System		Styrene
89	138	02/13/89 CSX Transportation	CSX Railyard		Dermaton (Chlorophosphate Pesticide)
89	139	02/15/89 CSX Transportation	CSX Railyard		Glacial Acetic
89	148	02/24/89 SeaLand Service		2700 France Rd	Herbicide-Nachete
89	215	03/14/89 KyFl, Inc	Norfolk-Southern Intermodal		Ethanol
89	217	03/15/89 KyFl, Inc	Norfolk-Southern Intermodal		Ethanol
89	249	03/22/89 BASF Corporation		3501 France Rd	Diphenylmethane Diisocyanate, Prepolymer, .5 gals removed
89	257	03/30/89 CSX Transportation	Gentilly Yard		Vapor from ammonia tank
89	285	04/11/89 Norfolk Southern	St Ferdinand St		Sodium Hydroxide Solution
89	336	04/23/89 Unknown		600 Mazant	Liquid Carbon Dioxide
89	345	04/19/89 Chugaku Paints	CSX Intermodal		Epoxy Polyamide Resin with Ketone & Alcohol, 10 gals removed
89	346	04/20/89 Mobil Oil Corp	Southern Railway Yard		D002 & D003 Wastes
89	367	04/28/89 Norfolk Southern		2101 St Ferdinand	Caustic Soda 50%
89	409	05/09/89 Jobbers Oil Transport Co, Inc	Caffin & N Claiborne		Diesel, 500 gals recycled
89	439	05/16/89 Southern Railroad System	St Ferdinand		Ethyl Alcohol
89	440	05/18/89 Norfolk-Southern Railway	Ferdinand St		Naptha
89	441	05/18/89 Distributors Oil Co, Inc		2100 Surekote Rd	Acetylene
89	612	07/05/89 Sea Land Services		2700 France Rd	Organophosphorus Pesticide
89	672	07/27/89 NOPSI		6101 France Rd	Transformer Oil
89	694	08/03/89 Rochester-Midland		4600 Marais St	Unknown
89	695	08/03/89 Reichhold Chemicals, Inc	CSX Intermodal		Epoxy Resin Hardner
89	698	08/06/89 Lyondell Petrochemical Co	Southern Railyard		Petroleum Naptha, 5 gals removed
89	716	08/11/89 Safebank Line Limited	CSX Intermodal		Ethyl Parathion
89	780	08/22/89 Canal Marine, Inc		2100 Surekote Rd	Diesel Fuel, 2 gals removed
89	796	08/21/89 Magnolia Chemicals & Solvents	I-10 Downman Exit		Acetic Acid, 56%

TABLE 3 continued

Log #	Date	Generator	Location	Address	Material
89	860	09/20/89	Argus Chemical Corp	3501 France Rd	Methyl Mercaptopropionate
89	861	09/20/89	Penwalt Corp	3501 France Rd	Propyl Mercaptan
89	891	09/26/89	City of New Orleans	I-10 at Franklin Ave	Hydraulic Oil
89	901	10/03/89	Shell Oil	2101 St Ferdinand	Liquid Petroleum Gas
89	922	10/09/89	Swift Watts Winter Co	3501 France Rd	Mercaptan
89	1017	11/01/89	Stolt-Nielson, Inc	CSX Intermodal	1,4 Dioxane
89	1018	11/01/89	CSX Intermodal	CSX Intermodal	Diesel Fuel
89	1099	11/24/89	Hapag-Lloyd America, Inc	3501 France Rd	Butyltrichlorosilane
89	1171	12/07/89	Murphy Oil Co	2101 St Ferdinand	Liquid Petroleum Gas
90	134	01/30/90	Unknown	7800 block Old Gentilly Road France Rd	Paint Waste, approx 110 gals removed
90	135	01/18/90	SeaLand		Terphenyls & Hydrogenated Terphenyls, < 5 gals removed
90	167	01/31/90	U-Haul	2736 St Claude Ave	Acetylene (1 cylinder), Oxygen (1 cylinder)
90	261	02/17/90	NO Marine Contractors	3501 France Rd	Vinyl Toluene (Methylstyrene), < 0.5 gallon
90	358	03/12/90	Atlantic Gulf Container Line	3501 France Rd	Methidathion (Organophosphate-Insecticide)
90	417	04/02/90	NO Marine Contractors	3501 France Rd	Ethylcyclohexaneamine
90	424	04/04/90	NO Marine Contractors	3501 France Rd	Ethylcyclohexylamine
90	450	03/19/90	Borden Chemical	2101 St Ferdinand St	Anhydrous Ammonia
90	475	03/27/90	KYFI, Inc	3501 France Rd	Ethanol Beverage
90	476	03/27/90	Gulf America (Boasso Corp)	3501 France Rd	Ethyl Dipropylthiocarbamate Ester, < 1 gallon removed
90	477	04/09/90	Great Lakes Chemical Corp	3501 France Rd	Bromine
90	584	05/09/90	Professional Construction	5700 Hayne Blvd	Acetylene
90	815	01/17/90	BASF	3501 France Rd	Dimethylaminopropylamine
90	818	05/01/90	Westinghouse Electric	4400 N Galvez St	Transformer Oil
90	821	06/20/90	"Bear" Mechanic	N Miro at Port St	Used Motor Oil
90	904	06/08/90	Cenac Towing Company	4801 Florida Ave	Natural Gas
90	905	06/14/90	Cominco Metals	Kentucky & Burgundy St	Zinc Concentrate
90	959	06/08/90	Cenac Towing Company	4801 Florida Ave	Natural Gas
90	961	06/26/90	Miller-the-Killer	Louisa & Dauphine St	Dursban Herbicide, < 1 lb removed
90	1275	09/20/90	New Orleans Marine Contractors	3501 France Rd	Methyl Mercaptopropionate
90	1310	09/24/90	New Orleans Marine Contractors	3501 France Rd	Ortho Chloroaniline
90	1410	10/10/90	Unknown	726 Mandeville St	Gasoline
90	1461	10/18/90	Unknown	Almonaster Blvd	Abandoned Waste Oil
90	1477	10/22/90	Denton Shipment Inc	Florida Ave	Isopropylamine salt of Glyphosate
90	1673	11/19/90	AF Arkansas Freightway	Almonaster & Old Gentilly	Hydrochloric Acid
90	1675	11/21/90	Unknown	Railyard off Almonaster	Glacial Acetic Acid
90	1748	12/07/90	CSX Transportation Co	Gentilly Yard	Sodium Hydroxide
90	1782	12/11/90	CSX	Railyard Almonaster	Hydrochloric Acid
90	1810	12/17/90	Norfolk Southern	Almonaster & Florida	Ammonia Perchlorate

TABLE 3 continued

Log #	Date	Generator	Location	Address	Material
90	1880 09/13/90	Railroad Sea-Land Service, Inc LAP230065325		2700 France Rd	TDI
90	1888 12/27/90	CSX Railways		6701 Almonaster	Pulp Mill Liquid
90	1892 12/29/90	National Oil Co		6701 Almonaster	Waste Oil
90	1893 08/16/90	Murphy Oil Co		2201 St Ferdinand St	Liquid Petroleum Gas
90	1896 03/29/90	BASF		3501 France Rd	Ethylcyclohexylamine
90	1898 03/29/90	BASF		3501 France St	Ethylcyclohexylamine
85	70 03/18/85	Unknown		7500 Jordan Rd	TDI
85	139 07/08/85	Unknown		3517 Chartres St	Acetylene
85	248 10/26/85	International Paint Co	International Paint Co		Chlorinated Rubber
85	313 05/14/85	Unknown		3501 France Rd	Zinc Sulfate
85	319 07/21/85	Unknown		4039 Louisa St	Gasoline
85	333 02/27/85	Unknown		3501 France Rd	Ethynal (Whiskey)
86	192 06/02/86	Unknown		3501 France Rd	Paint
86	309 08/05/86	NO Marine Contractors		3501 France Rd	Ethanol Solution
86	340 08/14/86	Magnatrade Corp LAP230057416	New Orleans, LA		Phosphoric Acid
86	346 08/25/86	Southern Railway Co LAP230057424	New Orleans, LA		Paint
86	360 09/02/86	Unknown	Press & N Robertson		Butadine
86	378 09/19/86	Unknown	Louisa & Higgins Street		Diesel
86	381 09/15/86	American Hoechst Corp LAP230056442		2700 France Rd	Coated Halofuginon
86	479 11/19/86	Sea Land LAPassist128		3500 France Rd	Phosphoric Acid
86	489 11/21/86	Unknown	Almonaster & Louisa		Gasoline
86	522 12/10/86	seaLand LAP230057886	Warehouse Door #145	2700 France Rd	Butachlor
87	39 01/28/87	New Orleans Marine Contractors		3501 France Rd	Anhydrous Hydrazine
87	41 01/27/87	ICI Americas Inc LAP230057604		3501 France Rd	Cypermethrin
87	42 01/26/87	ICI Americas Inc		3501 France Rd	Cypermethrin
87	43 01/30/87	Unknown		3501 France Rd	Chloronethyl-T-Butyl Ketone
87	44 02/03/87	Puerto Rican Marine		3401 France Rd	Waste Solid (non-regulated) Waste
87	49 02/13/87	Action Tank Cleaner		3501 France Rd	Toluene
87	50 02/13/87	Gulf Container Service LAP230057923		3501 France Rd	Lead Base Paint
87	105 03/05/87	Unknown	ICG		Pulp Mill Liquid, Monomethylamine Anhydrous
87	126 03/12/87	Sea Land Services		2700 France Rd	Ortho-Chlorotoluenes
87	152 03/27/87	Euroquim USA, Inc		2700 France Rd	Butyl Alcohol
87	167 03/26/87	Unknown		3501 France Rd	Bityridilium
87	172 03/27/87	Witco Chemical Corp		2700 France Rd	Benzoyl Peroxide
87	173 03/30/87	Unknown		3501 France Rd	Piperazine
87	195 04/08/87	Spur Station		4401 N Robertson	Regular leaded & Unleaded Gasoline
87	217 04/24/87	American Cyanamide	Old Gentilly & Louisa		Acrylamide
87	234 04/29/87	Gulf Intracoastal Marine	Industrial Canal		Gasoline
87	240 05/04/87	Unknown	NO Marine Contractors	3501 France Rd	Lube Oil
87	242 05/04/87	ICI Americas	NO Marine Contractors		Fusilade Technical
87	260 05/14/87	Aleto Agricultural		7801 Almonaster	Azinphosmethyl Technical (Pesticide)
87	339 05/29/87	Unknown		3501 France Rd	None

TABLE 3 continued

Log #	Date	Generator	Location	Address	Material
87	438 07/18/87	Coastal Cargo, Inc	Galvez Street Wharf		Ethyl Acrylate
87	440 07/13/87	Amoco Chemicals	CSX Gentilly Yard		Styrene
87	464 07/30/87	Southern Railroad	Press & Villere Streets		Diesel Fuel
87	562 09/08/87	Unknown	NO Marine Contractors - France Rd		Bromine
87	588 06/02/87	Scan Freight LAP230059675		3501 France Rd	Acid Corrosion Inhibitor
87	594 06/09/87	Scan Freight LAP230058964	Sea Land Serv	522 Intl Trade Mart	Methanol
87	597 09/14/87	Unknown		2700 France Rd	Chloroethane (Trichloroethane) NaOH - 50% Solution
87	598 09/15/87	PPG Chemicals	CSX Intermodal Yard Gentilly		
87	662 09/11/87	Kerr Steamship Lines	NO Marine France Rd		Methamidophos
87	663 10/14/87	Kirk Intermodal	NO Marine	3501 France Rd	Ethyl Acrylate
87	667 10/15/87	NO Marine Contractors	NO Marine	3501 France Rd	Ethanol
87	691 08/14/87	Southern University LAP230060542		6400 Press Dr	Pyranol-PCB
87	694 10/27/87	Hapag Lloyd		3501 France Rd	Ethyl Alcohol
87	696 08/27/87	Yellow Freight LAP23000059684			Mercury Metal
87	697 09/16/87	Farms of Texas LAP230059684		3505 France Rd	Dichloropropionanilide, Propanil
87	706 10/29/87	Coastal Cargo Co	Poland Ave Wharf		Toluene Diisocyanate
87	820 12/22/87	Strachan Shipping Co		3501 France Rd	Dimethoate
88	49 01/14/88	Coastal Cargo Co	Poland Ave Wharf		Chlorotoluene
87	50 01/18/88	Sun Chemical	CSX Railyard Gentilly		Flammable Liquid NOS
88	116 02/13/88	Southern Railway System		2101 St Ferdinand	S02
88	177 03/01/88	Sea Land Services, Inc		2700 France Rd	Toluene Diisocyanate
88	182 03/08/88	New Orleans Marine Contractors		3104 France Rd	Whiskey Odor
88	205 03/10/88	NO Marine Contractors		3501 France Rd	Diphenylamine
88	223 03/17/88	Coastal Cargo, Inc	Poland Ave Wharf		Toluene Diisocyanate
88	232 03/26/88	Southern Railroad	Southern Railroad - Oliver Yard		Liquified Petroleum Gas
88	285 04/13/88	CSX Railyard	CSX Yard		None-Car Empty
88	295 03/31/88	The Jackson Kearney Group		4500 N Galvez	Vydate L (Insecticide)
88	318 04/15/88	Unknown	Southern Railroad at Elysian Fields		Sodium Hydroxide
88	345 04/21/88	New Orleans Marine Cont		3501 France Rd	Arsenic Trioxide
88	348 04/27/88	CSX Transportation		6701 Almonaster	Anhydrous Ammonia
88	364 04/30/88	US Marine Reserve		5020 Lakeshore Dr	Battery 2"x4"x4"
88	403 05/15/88	Coastal Cargo Co, Inc	Poland Ave Wharf		Sodium Hydroxide, Solid
88	417 05/18/88	Sea-Land Services, Inc		2700 France Rd	Paint Solvent
88	426 05/26/88	New Orleans Contractors		3501 France Rd	Malathion
88	428 05/26/88	CSX Transporter	Gentilly Yard		Vinyl Acetate
88	462 05/31/88	Loctite Puerto Rico, Inc		France Rd	Corrosive Solid, NOS
88	480 06/03/88	Southern Railway System		2101 St Ferdinand	Sulfuric Acid
88	494 06/11/88	KYFI, Inc	Southern RR Oliver		Ethyl Alcohol

TABLE 3 continued

Log #	Date	Generator	Location	Address	Material
			Yard		
88	495 06/14/88	Puerto Rico Marine		3401 France Rd	Diethylbenzene
88	618 07/15/88	Puerto Rico Marine	Puerto Rico Marine		Denatured Alcohol
88	621 07/17/88	CSX Transportation	CSX Intermodal Yard, Gentilly		Anhydrous Ammonia
88	622 07/18/88	Mat Chemicals	Puerto Rico Marine		Butyl Acetate
88	643 07/22/88	Housing Authority of New Orleans		2601 Alvar St	2 drums of solid material
88	687 08/12/88	Southern Railroad		2101 St Ferdinand	Anhydrous Ammonia
88	688 07/28/88	Hapag-Lloyd America, Inc		3501 France Rd	Ethanol
88	694 08/09/88	Sea Land Services, Inc	France Rd		Lacquer based paint thinner
88	717 08/12/88	Southern Railway System		2101 St Ferdinand	Anhydrous Ammonia
88	719 08/20/88	Sea Land Services, Inc		2700 France Rd	Ethylene Glycol Mono Butyl Ether
88	792 09/02/88	Southern Railway System		2101 St Ferdinand	Acetic Acid, Glacial
88	808 09/09/88	Sea Land Services, Inc		2700 France Rd	Ethyl Alcohol
88	809 09/12/88	Board of Comm Port of New Orleans	Galvez St Wharf at Industrial Canal		Many drums with different products
88	811 09/13/88	CSX Transportation	CSX Intermodal Yard		Styrene Monomer
88	813 09/17/88	Larry Jones		4117 N Claiborne	Cylinders of oxygen and Acetylene
88	826 09/20/88	CSX Transportation	Almonaster St		LP Gas
88	982 10/27/88	ICI Americas		France Rd	Paraquat
88	992 11/01/88	New Orleans Lakefront Airport	Lakefront Airport		Aviation Fuel
88	1026 11/08/88	Sea Land Services, Inc		2700 France Rd	Benzaldehyde
88	1065 11/25/88	Sea Land, Inc		2700 France Rd	Ethyl Mercaptan
88	1079 12/05/88	CSX/Sea-Land Intermodal	CSX Intermodal		Styrene
88	1093 12/02/88	Southern Railway System		2101 St Ferdinand	Petroleum Naptha
88	1094 12/09/88	Thermo King Caribbean	PRM France Rd		Oakite Crycoat
88	1162 12/29/88	Unknown		1339 Arts Street	Unknown
88	1163 12/30/88	Biehl & Company		3501 France Rd	Stadis 450
88	1165 05/03/88	City of New Orleans LAP230061348	Almonaster & Higgins		Various U Wastes
92	543 04/13/92	Hartman Walsh Painting Co	Chef Hwy at Jourdan Rd under Danziger Bridge		Diesel Fuel
92	2134 10/14/92	NO Marine Contractors		3501 France Rd	Hydrogen Peroxide
92	2477 11/30/92	Unknown	Franklin Ave & N Robertson		Diesel
91	1469 08/27/91	CSX Transportation	CSX Gentilly Yard		Sodium Hydroxide, < 1 gal removed
90	863 07/02/90	Chevron, USA	New Orleans (3 locations)		Gasoline
86	501 11/19/86	Sea Wheel	France Rd		Aviation Turbine Fuel
87	262 05/11/87	Petron Inc	I-10 Highrise Bridge		Gasoline

The Emergency Response Section also maintains a handwritten log of all citizen complaints received. Each log entry for the citizens' complaints log indicates the date the complaint was

registered, the person registering the complaint, the location of the incident, the parish, and the suspected nature of the incident. Eighty eight citizen complaints were logged by Emergency Response for Orleans Parish spanning 1988 through February 18, 1993. Of these 88, nine were within the project vicinity. One of the citizen complaints was for a site which is located directly on the IHNC (Saucer Marine Services). For this same time period, eighteen complaints were logged for St. Bernard Parish, none were in the project area. Table 4 shows the citizen complaints logged which are in the vicinity of the project.

**TABLE 4
EMERGENCY RESPONSE CITIZEN COMPLAINTS**

Log #	Date	Reported by	Violation Location or Violator	Address	Complaint/Violation
88 32	02/04/88	Carl Sanders United Parcel Service	Renaissance Carpet Cleaners	Drainage Canal at Morrison Road	Van was observed to dump material into the dump
88 83	03/30/88	Anonymous	Unknown	Almonaster & Old Gentilly	Chemicals being dumped into ditches
91 364	10/04/91	Anonymous	John Smith	2114 Charbonnet Dr	Dumping motor oil & transmissions fluids on ground
91 366	10/14/91	Anonymous	Eugene Hatcher	2400 Winthrop St	Using residence as junk yard for cars-dumping oil, fluids & tires on ground
91 411	09/18/91	Janella Gaye	Unknown	3065 Chartres St	Black, oily material coming from base of power pole
91 424	11/26/91	Anonymous	Mrs Waterhouse & Mr Reed	4838 Florida Ave	Storing of hazardous waste
91 443	10/23/91	Anonymous	Saucer Marine Services, Inc	1910 Surekote Rd	Conditions on the site
92 608	12/02/93	Anonymous		4212 St Claude Ave	Illegal storing of haz waste (chemical co)
92 629	12/16/92	Anonymous	Corner of N Claiborne & Tupelo		Digging into ground causing gas smell

The following is information obtained on the nine citizen complaints listed above.

Citizen Complaint Log #88-32, Drainage Canal at Morrison Road. A van was observed dumping material into the Morrison Road drainage canal. LDEQ determined that the material dumped was not hazardous and did not warrant further action by the Emergency Response Section.

Citizen Complaint Log #88-83, Almonaster and Old Gentilly Road. The complainant indicated that chemical companies were dumping chemicals into the ditches and the odor was bad. LDEQ conducted a site visit and could not find any chemical companies along Almonaster Road, nor did they find any evidence of dumping.

Citizen Complaint Log #91-364, 2114 Charbonnet Dr. Car engines, car batteries, and several acetylene and propane cylinders were noted near complaint site. A copy of the findings was submitted to the LDEQ Solid Waste Division.

Citizen Complaint #91-366, 2400 Winthrop St. Site contained old cylinders of acetylene, propane and high press oxidizing gas (oxidizer). Old gas tanks, waste motor and transmission fluids were observed leaking into drainage/sewer system.

Citizen Complaint #91-411, 3065 Chartres St. A dark liquid was noted flowing from the base of a power pole. This liquid had a fermenting odor and was near the location of old molasses above ground storage tanks.

Citizen Complaint #91-424, 4838 Florida Avenue. There was no evidence of hazardous waste at the residence. The residents kept horses within their own property boundaries.

Citizen Complaint #91-443, 1910 Surekote Road. This site is located adjacent to the IHNC which was listed on the record as being located at Saucer Marine Corp. An anonymous complaint was received about the conditions on the site. Two air compressors on the facility were surrounded by oil saturated soil. Blast sand was accumulated in a pile that was approximately five feet high and several yards in diameter. Empty 55 gallon metal drums and empty paint cans were accumulated in a large pile next to the blast sand. An analysis of the oil saturated soil indicated that hazardous waste constituents were below regulatory levels and as such the material is not hazardous. The owner was informed that the soil was classified as an industrial waste. An analysis of the blasting sand was tested for total metals and showed high levels of lead and chromium. The owner was advised that the material was to be considered hazardous waste unless he was willing to analyze the waste for Toxic Characteristic Leachate Procedure (TCLP) metals. The analysis was done by Toxic Characteristic Leachate Procedure and the levels detected were below regulatory levels. The owner was advised that the material was not a hazardous waste and should be handled as an industrial waste. No other action is scheduled to be taken by this Section of LDEQ.

Citizen Complaint #92-608, 4212 St Claude Avenue. A survey of the site revealed no evidence of illegal storage of hazardous material.

Citizen Complaint #92-629, corner North Claiborne and Tupelo Streets. LDEQ UST Division was aware that an old tank was being excavated at the site.

C.5.1.2.3.3. OFFICE OF SOLID AND HAZARDOUS WASTE, HAZARDOUS WASTE DIVISION, ARIM SECTION TECHNICAL SERVICES. This office maintains information for all RCRA notifiers in the State of Louisiana. RCRA notifiers are generators, transporters, and/or disposers of hazardous waste. These files contain information on the Standard Industrial Codes (SIC) of the operation, hazardous wastes generated, transported, or disposed of as well as any Notices of Violations, reports, or legal action taken.

One hundred seventy six sites in Orleans and St. Bernard Parishes were listed on the RCRA notifier listing. Only those sites with a footnote were researched at LDEQ due to file viewing restrictions imposed by LDEQ personnel. Eighteen sites had compliance histories associated with them. These compliance histories were requested and received by NOD personnel and do

not constitute a complete listing of all compliance histories on all sites. Only new compliance items and large facilities are included in this database. On June 10, 1993 NOD personnel requested a RCRA listing which contained all information found on the Louisiana Notification of Hazardous Waste Activity Form which these notifiers are required to submit. The information on these forms would include date of application, the SIC code, and the characteristic hazardous waste codes. This information was not received from LDEQ in enough time for inclusion in this report, although it was promised within a week. Only those sites which are situated directly on the canal or sites with a compliance history were researched. The histories are documented in the LDEQ Office of Solid and Hazardous Waste, Hazardous Waste Division Compliance Section notes following this section.

RCRA notifier sites in Orleans Parish with a zip code of 70117 and 70126 and St. Bernard Parish with a zip code of 70032 are included in Table 7. All listings are included exactly as provided from LDEQ. Table 5 shows the characteristic hazardous wastes required for notification to LDEQ which were listed in the RCRA files viewed. This table is not a complete listing of all hazardous wastes handled by notifiers in the project area, but rather a list of all hazardous wastes covered in this assessment. The description of hazardous waste is characterized according to 40CFR 261.20-24 and 40 CFR 261.30-35. Table 6 shows the Standard Industrial Codes (SIC) found on the listing. SIC codes are used to indicate the type of activity which occurs at a place of business. This table is not a complete listing of all SIC code classifications for all RCRA notifiers. Table 7 shows the site name, location, type of hazardous waste handled at the facility as well as if the site is a generator, storer, or transporter of hazardous waste. The generator sites listed below are designated as follows: Level 1 generator is a site which produces more than 1000 kg/month, a Level 2 generator generates 100 to 1000 kg/month, and a Level 3 generator generates less than 100 kg/month of hazardous wastes.

TABLE 5
40 CFR 261 HAZARDOUS WASTE CODES

Hazardous Waste Code	Description
D001	A solid waste which exhibits the characteristic of ignitability
D002	A solid waste which exhibits the characteristic of corrosivity
D008	Lead
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F003	The following spent non-halogenated solvents: Xylene, acetone,