GOJO Industries, Inc.

Phase I Environmental Site Assessment

Former Abbott Laboratories, Inc. Facility
Laurinburg, North Carolina

July 24, 2003

Environmental Resources Management
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ERM

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EXECUTIVE SUMMARY

Environmental Resources Management (ERM) conducted a Phase I Environmental Site Assessment (ESA) at the Abbott Laboratories, Inc. (Abbott) facility located in Laurinburg, North Carolina. The Abbott facility is currently closed, but formerly manufactured medical devices such as anesthesia kits and specialty intravenous injection sets. The Phase I ESA was conducted in accordance with the scope and limitations of ASTM *Standard E 1527-00 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.*

Mr. Rick Tarravechia, P.G. of ERM's Charlotte, North Carolina office, conducted a site visit on July 7-8, 2003. The time and cooperation of Mr. Wayne McLean and Mr. Curt Michols at Abbott is gratefully acknowledged.

The site is comprised of approximately 50.75 acres, and includes three main structures totaling approximately 300,000 square feet. The site was acquired by Abbott in 1969 and was developed and operational by 1970. Prior to 1969, the property was in agricultural production, and included what appears to have been two building structures, possibly houses or barns.

In general, this Phase I ESA found that the facility maintains very good housekeeping practices and was well maintained at the time of the site visit. A possible exception to this would be the roof, which leaks in several locations. However, the roof is currently in the process of being repaired. Two separate soil and groundwater contamination incidents are documented at the subject site. Both incidents have been adequately investigated are compliant with State programs for investigation and remediation. Remediation activities are on-going. It is evident that Abbott has been very attentive to the contamination incidents, and the level of effort and quality of work related to these incidents is impressive.

Based on the data obtained during the Phase I site visit, the environmental database review, and interviews with persons familiar with the site and its history, the following conditions were identified at the site.

Recognized Environmental Conditions (RECs)

- A solvent disposal pit was formerly operated at the site between the years 1970 and 1976. The purpose of the pit was to allow the evaporation and hence disposal of solvents prior to the RCRA regulations being promulgated. Although the pit was lined with concrete, significant releases to the underlying soil and ground occurred, and were first noted in 1989 when solvents were observed

discharging into the nearby stormwater drainage ditch. Subsequent assessment and remediation has occurred as a result of this release. Abbott entered into an Administrative Order of Consent with the DENR in 1991. At present, the groundwater is affected by as much as 270,000 ug/l TCE and other solvents. On-site remediation has included pump and treat, in-situ volatilization (MecTool), dual-phase extraction, and HRC injection with monitored natural attenuation. Abbott is compliant with DENR regulations for assessment, remediation, and reporting of the incident, and the actions undertaken to-date indicate a proactive and aggressive approach to the incident. Abbott has projected that by 2010, the site will be eligible for closure. Based on the current concentrations in groundwater at the site, and on ERM's experience with similar sites and remediation methods, the estimated time for site closure is considered optimistic. At present, North Carolina has not adopted a risk-based corrective action (RBCA) program for solvent releases from non-UST sources, and the North Carolina groundwater standards (and the Inactive Hazardous Sites Program's Preliminary Remediation Goals (PRGs) for groundwater) are low (e.g., the PRG for PCE is 0.7 ug/l). Unless a RBCA framework is adopted by the State (a draft RBCA framework was developed in 1996, but has not been approved), final closure of this incident appears unlikely in the foreseeable future.

- A release of No. 2 fuel oil occurred at the site during fueling of an AST in 2000. Approximately 1,600 gallons of fuel oil was released when the fuel oil for an aboveground storage tank (AST) was inadvertently pumped into piping for a former UST. Upon discovery, Abbott removed approximately 1,600 gallons of free product, 21,000 gallons of contaminated water, and approximately 39 tons of contaminated soil from the affected area. The incident, which occurred in 2000, has been adequately assessed and remediated. Low concentrations of benzene (47 ug/l) and ethylbenzene (46 ug/l) remain in groundwater. Monitored natural attenuation is being proposed as the corrective action, and appears to be appropriate. However, it is not certain that the observed concentrations of benzene (47 ug/l) will naturally attenuate to the North Carolina groundwater standard of 1 ug/l within the five year timeframe projected by Abbott.

- A 15,000-gallon No.2 diesel fuel UST was previously located near the northwest corner of the building. The 15,000-gallon tank was reportedly filled with concrete and closed in-place during 1997. The 2001 Phase I report indicates that soil sampling was conducted around the tank, and that the sampling and subsequent analyses verified clean closure. Although the Phase I report contains documentation that the tank was filled with cement, no documentation of the soil sampling was present on-site, and none has been reviewed by ERM in the

previous environmental documents. As an UST utilized for on-site heating purposes (backup source for firing the boilers), UST closure confirmation soil sampling was not required by DENR regulations. However, without the proper documentation, the potential for a release at this tank cannot be ruled out. ERM recommends that in the absence of soil analytical data, a limited assessment of soil and/or groundwater quality at the former UST location be conducted. Also, typical UST in-place closure procedures include cutting fill pipes below grade and capping them to prevent accidental filling. The fill port for this tank is still present and usable (although the UST itself has been filled with cement). Especially considering that a fuel oil AST is located adjacent to the abandoned UST, a best management practice would be to cut the fill pipe flush to the ground surface and cap it to prevent accidental fills.

- Two off-site properties with documented releases of petroleum hydrocarbons are located north (upgradient) of the subject site, and include Nic's Pic Kwik #1 and Ryder Truck Rental. Based on the known southerly direction of groundwater flow at the site, these two off-site locations have the potential to affect groundwater quality beneath the northwestern most portion of the subject property. On-site monitoring well MW-5 is located in the northwestern portion of the subject site. Previous monitoring of this well during the early and perhaps mid-1990s indicated no impact. However, MW-5 has not been sampled since that time, and it is possible that affected groundwater has migrated onto the subject property during the interim. ERM recommends that a groundwater sample be collected from MW-5 for full VOC analyses, and/or that a file review be conducted on these two off-site incidents. ERM understands that the client wishes to proceed with the sampling of MW-5, and preparations to that effect are in progress.

Other Potential Concerns

- A spill containment sump located outside the northwest corner of the main building accepts blowdown (condensate) from the cooling towers as well as any spills which may occur in the former solvent preparation room. No staining was observed at the sump or at the floor trench, and no releases are known to have entered the floor trench/sump system. Fluids which drain into the sump are automatically pumped overhead to the neutralization basin, also located along the north side of the building. At the neutralization basin, the pH is monitored and adjusted if necessary before sending discharge to the POTW. Mr. McLean reports that in the event that the pH of the wastewater is outside certain pre-set limits, an alarm is sounded and the automated system is shut down pending further

inspection. However, it is possible that a spill of hazardous material with a pH close to neutral could go undetected to the POTW. Abbott personnel indicate that their operators were trained to notice and report any spills. This apparent limitation (the reliance on employees noticing and reporting spills to prevent their direct discharge to the POTW) should be considered relative to the future use of the spill containment sump.

- ACMs are known to be present at the subject property. The only labeled ACM observed during ERM's site visit was insulation located within the main boiler room. Other suspect materials observed on-site include 12-inch square and 9-inch square floor tiles and associated mastic, as well as several hardened elbows on insulated pipes. An asbestos survey was previously conducted at the site by an Abbott employee licensed to conduct asbestos sampling. The survey included the collection of 84 samples, 26 of which detected asbestos at concentrations greater than 1 percent. The methodology of the sampling is not presented in the survey, there is no figure illustrating the location of the samples, and the name and license number of the inspector is not included. Observation of the TSI by ERM was limited by the presence of a false ceiling throughout most of the main building area, and by plastic jackets which enclose many of the insulated pipes, particularly within the boiler room. Facility personnel cannot state with certainty whether or not the ACMs are still present on-site or have been abated. In order to accurately and thoroughly identify the presence, location, and quantity of all ACMs, a comprehensive asbestos inspection, conducted in a manner similar to those guidelines set forth in the Asbestos Hazard Emergency Response Act (AHERA), would have to be performed at the subject facility. This survey would satisfy the OSHA PACM requirements. As an alternative, the facility could presume that all TSI, surfacing materials, and floor tiles are ACM/PACM and manage these materials accordingly. Also, it should be noted that prior to demolition or any renovation, asbestos sampling at the affected area will be required to identify and quantify ACMs in the areas to be disturbed.

1.0 *INTRODUCTION*

On July 7 and 8, 2003, Environmental Resources Management (ERM) performed a Phase I Environmental Site Assessment (ESA) at the former Abbott Laboratories, Inc. (hereafter referred to as "Abbott" or the "subject property") facility located in Laurinburg, North Carolina. The Abbott facility is currently closed, but formerly manufactured medical devices such as anesthesia kits and specialty intravenous injection sets. The Phase I ESA was conducted in accordance with the scope and limitations of ASTM *Standard E 1527-00 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* Mr. Rick Tarravechia, P.G., of ERM's Charlotte, North Carolina office, conducted the site visit. Mr. Tarravechia was accompanied during the site visit by Mr. Wayne McLean, Facility Engineering Technician, and Mr. Curt Michols, Corporate Remediation Specialist, for Abbott.

1.1 *PURPOSE*

The project was conducted on behalf of GOJO Industries, Inc. (GOJO, or the client) in order to provide legal advice to the client regarding the identification of possible environmental liabilities or other related concerns associated with the subject property. The purpose of the ESA was as follows:

- To determine obvious areas or potential sources of environmental concern that might exist at the site.
- To determine to what extent these concerns are likely to impact the site.
- To present a report of findings that will assist the client in assessing the need for further investigations or analytical work that may be required to more accurately determine the presence and extent of detected and suspected concerns.

1.2 *TERMS AND CONDITIONS*

The performance of Services by ERM is governed by the terms of ERM's Proposal Number 3752 Revision 1 dated July 1, 2003, as modified by GOJO and accepted by ERM on June 30, 2003.

1.3 *LIMITING CONDITIONS AND METHODOLOGIES*

The scope of work defined for this project included an on-site investigation, general site characterization, environmental database search, evaluation of historical aerial photographs, discussions with people familiar with the site history, and visual inspection of neighboring properties.

ERM relied on the following sources of data to conduct this assessment:

- Data provided at the time of the site visit, including Material Safety Data Sheets, a stormwater pollution prevention plan (SP3), and maps;
- Abbott Laboratories environmental assessment and remediation files and documents provided by GOJO Industries.
- An environmental database search report conducted by Environmental Data Resources, Inc. (EDR), dated July 3, 2003;
- Aerial photographs of the subject site and surrounding area dated 1938, 1949, 1956, 1961, 1966, 1975, 1982, 1995, and 1999;
- A cursory 50-year chain-of-title review conducted at the Scotland County Register of Deeds office;
- Interviews with facility employees; and
- United States Geologic Survey (USGS) topographic maps dated 1949, 1957, and 1957 (photo-revised 1982) for the Laurinburg, N.C. Quadrangle.

The weather during the assessment was sunny, with temperatures in the upper 80s (Fahrenheit).

2.0 *SITE DESCRIPTION*

2.1 *LOCATION*

The subject site is located at 16900 North U.S. Highway 15/401 Bypass (Aberdeen Road) in Laurinburg (Scotland County), North Carolina. A site location map is presented as Figure 1. A property layout map of the site is provided as Figure 2. Photographs of the subject property grounds are presented in Appendix A.

2.2 *SUBJECT PROPERTY DESCRIPTION*

The Abbott Laboratories subject property is situated on the northeast corner of the intersection of U.S. Highway 15-501 and U.S. Highway 401 Bypass. Access to the facility is limited to the main entrance located to the south along Joy Street (an access road parallel to Highway 401 Bypass), and to an employee entrance located to the west along U.S. Highway 15-501. The western entrance leads into a large (approximately 226,125 square feet) asphalt-paved employee parking area located west of the main building, while the main entrance leads into an approximately 12,000-square foot asphalt-paved visitor parking area located south of the main building. Both entrances are secured by a locked gate and guard shack, and a chain-link fence extends along the entire perimeter of the property.

According to information obtained by ERM at the Scotland County Tax Assessors office (see Appendix B), the subject property is owned by Abbott Laboratories, and is comprised of approximately 50.75 acres, including three structures totaling approximately 300,000 square feet. The main structure, which is located near the center of the subject property, is approximately 191,323 square feet. The building is situated on a concrete slab, and consists of concrete block construction, a brick exterior, and a tar and gravel roof. During the site visit, it was observed that the roof was leaking in several places. Facility personnel report that portions of the roof are currently being replaced as necessary.

The main 191,323 square foot building was formerly used to house all production and administrative activities at the facility, including office areas, employee locker rooms, and mechanical room, and a cafeteria in the southern portion of the building. The central portion of the main building contains the main manufacturing area, the Ross manufacturing area, the packaging area, and the industrial/engineering offices, which include a small biological laboratory area. The eastern portion of the main building is occupied by the staging and shipping warehouses, loading docks, and the Ross boiler room. The Ross boiler room includes two 2.01MM BTU/hr

rated boilers and one 0.65 MM Btu/hr boiler. The western portion of the main building contains portions of the Ross manufacturing area, shipping docks, and the insert molding area, where plastic injection molding was formerly conducted. A mezzanine section overlies the insert molding area, and generally contains up to eight air handling units, electrical equipment, and two distilled water tanks (now empty). The northern portion of the main building is occupied by the main manufacturing area, an uncovered loading dock area, a covered loading dock area, a maintenance shop and supply room, and the main boiler room (mechanical room). The former solvent preparation room is located in the northwestern portion of the building, adjacent to the insert molding area. Two Cleaver Brooks boilers (heat input capacity rated at 8.369 MM Btu/hour and 4.185 MM Btu/hour, respectively) are located within the main boiler room. All five on-site boilers are still operational, and are used to generate hot water and steam which is used in the air handling units for comfort heating and humidity conditioning. With the exception of mechanical systems necessary to maintain the building (boilers, air handling units, transformers, etc.), all process equipment has been removed from the facility.

The second structure is the Remote Warehouse #1, which is located northeast of the main building. The building is approximately 40,000 square feet, and consists of steel-beam construction, a metal roof, aluminum siding, and concrete floors. The Remote Warehouse #1 was formerly used to store both raw materials and finished goods. A minimal amount of office space is also present within the warehouse. At the time of the site visit, the warehouse was empty with the exception of approximately 20 used fluorescent bulbs, which were observed inside a cardboard box on the mezzanine over warehouse offices.

The third structure is the Remote Warehouse #2, which is located immediately north of Remote Warehouse #1 and is connected to Remote Warehouse #1 via an enclosed breezeway. The second warehouse is approximately 68,000 square feet, and consists of steel-beam construction, a metal roof, aluminum siding, and concrete floors. Remote Warehouse #2 was also used to store raw materials. The warehouse was empty at the time of the site visit. Both warehouses have truck loading docks along their western sides.

In addition to the three structures, the subject property also contains several outbuildings. The outbuildings include an ETO (ethylene trioxide – it should be noted that the ETO was reportedly a flammable compressed gas that was formerly used in an autoclave sterilization process. This process was discontinued over ten years ago) storage shed, two empty hazardous material storage sheds (one previously used for flammables and the other for oxidizers and toxics), a covered hazardous waste storage area, a fire pump house room, a former "Vicks Vapor" room, and two groundwater

treatment sheds (a North Groundwater Treatment Shed and a South Groundwater Treatment Shed). The groundwater treatment sheds house equipment (pumps, air stripping towers) used for the pumping and treating of fuel and solvent affected groundwater at the site (see Section 3.4). At present, only the South Groundwater Treatment Shed is operating. The North groundwater treatment system has been deactivated so to prevent its interfering with the current, in-situ remediation efforts (injection of hydrogen release compound, see Section 3.4). The sheds contain 55-gallon drums of caustic soda (used for pH adjustment of the treated groundwater, prior to discharge to the sanitary sewer) and water treatment chemicals (biocides, used to limit bacterial growth within the system). All of the outbuildings are located north of the main production building.

At the time of the site visit, the ETO storage shed contained five tractors and a golf cart, reportedly owned by a contractor and stored on-site. The concrete is the ETO shed contained markings indicative of the storage of 55-gallon drums. Mr. McLean and Mr. Michols indicated that the drum markings were likely caused by the former storage of 55-gallon drums of soil cuttings from various site investigation activities related to previous releases of fuels and solvents at the site (see Section 3.4). However, information reviewed in the facility's SP3 indicates that 55-gallon drums of Freon 113 were formerly stored in the ETO shed. The Freon 113 was formerly used as a metal parts washing solvent (see text below).

The Vicks Vapor room was empty at the time of ERM's site visit, but formerly contained a distillation unit used to distill and re-use Freon 113. During the early 1990s, the Freon 113 had been used to clean metal parts. Emissions from the distillation process were vented to the atmosphere.

One container of hazardous waste was observed inside the hazardous waste storage area. The drum contained solvent-affected rags, which according to Mr. McLean, were generated during recent floor stripping activities. The drum was labeled "hazardous waste" but did not contain an accumulation start date and was not labeled with words or codes identifying its specific contents.

2.3 *SURROUNDING LAND USE*

ERM performed a visual survey of adjacent properties during the site visit. Observed properties include the following:

North: The northeast-southwest trending Laurinburg and Southern railroad forms the northern property boundary. The Highlands Church is located immediately north-northwest of the railroad, on the west side of Highway 15-501. Nic's Pic Kwik #1 (Shell) retail gasoline station is

located beyond the railroad to the north, as is an unidentified warehouse-type structure. No signs were observed at this apparent warehouse building during the site visit. A previous Phase I ESA report prepared for Abbott by URS Corporation and dated October 2001 (see Section 3.3) refers to this building as the Jordan Warehouse, and also indicates that a portion of the Jordan Warehouse was formerly leased by Abbott Laboratories for storage space. Mr. McLean reports that the Abbott facility formerly stored equipment at the Jordan Warehouse. When needed, the equipment was brought back to the Abbott facility for use. The Abbott facility stopped leasing space in the warehouse circa the mid 1990s. Agricultural fields are located northeast of the subject property.

South: U.S. Highway 401 Bypass runs parallel to the southern property boundary. Cotton fields and the Northside Square shopping center (contains a Food Lion grocery store, a Subway restaurant, and a Family Dollar retail store) are located south of the 401 Bypass. Single family residential homes are located approximately 1,400 feet south of the subject property.

East: Scotland Containers, Inc., a corrugated and specialty packaging service is located east of the subject property. Southeast Farm Equipment Company (a John Deere licensed farm equipment supply company, is located east of Scotland Containers, Inc. Single family residential homes are located approximately 400 feet east of the subject property.

West: U.S. Highway 15-501 runs parallel to the western property boundary. Several industrial facilities are located west of the highway including the Eaton Corporation, a manufacturer of golf equipment, located adjacent and due west and southwest of the subject property. An abandoned building without signage was observed farther southwest (beyond the Highway 15-501/401 Bypass interchange). The previous Phase I report indicates that this building was formerly McLauren Road Service, a vehicle maintenance shop.

With the exception of the Nic's Pic Kwik #1 (Shell) retail gasoline station, which according to the EDR database report is a leaking underground storage tanks (LUST) site, none of the off-site adjacent properties appear to represent a recognized environmental condition to the subject site. The Previous Phase I report indicates that groundwater analytical data from on-site monitor well MW-5, located immediately downgrdient from Nic's Pic Kwik, does not indicate the presence of contaminants. However, based on ERM's review of the existing analytical data (see Section 3.4), it appears that well MW-5 has not been sampled since the early to mid 1990s.

2.4 *PHYSICAL SETTING*

2.4.1 *Surface Features and Hydrogeology*

The Laurinburg area, including the subject site, is located within the Atlantic Coastal Plain province of North Carolina, near its western most boundary with the Piedmont province. The lithology of the Coastal Plain province generally consists of unconsolidated sediments and sedimentary rocks deposited on top of crystalline basement rocks. Typically, coastal plain sediments dip and thicken to the east. The thickness of Coastal Plain sediments ranges from a few feet at the western limit of deposition to over 10,000 feet along the North Carolina coastline.

The subject site area is underlain by sediments of the Middendorf formation, which is characterized by minor layers of light gray to blue-gray clays and fine to coarse grained sands of Cretaceous age (approximately 135 to 65 million years old). According to previous environmental documents reviewed by ERM, the upper 25 feet of soils below the subject property is characterized by surficial re-worked clayey sand deposits, followed by another 55 feet of the Middendorf Formation. A clay confining layer is located at an approximate depth of 80 feet below the subject property. The hydraulic conductivity of the surficial clayey sand deposits is 7.3 feet per year, while the more permeable Middendorf Formation (deeper aquifer) has a calculated hydraulic conductivity of 102 feet per day.

The occurrence and movement of groundwater in the Coastal Plain province is generally within the pore spaces of unconsolidated sediments (primary porosity), and to a lesser degree, within the fractures, bedding plains, and solution cavities (secondary porosity) of semiconsolidated rocks. Groundwater occurs in shallow unconfined aquifers and in deeper, confined aquifers. Groundwater in the deeper confined aquifers is under pressure, and may exhibit equipotential water levels near the land surface. Recharge of the groundwater system in the Coastal Plain occurs in interstream areas where sand layers crop out and by downward percolation across interbedded clay and silt layers. Discharge from the system occurs to streams, estuaries, and the ocean. Under unconfined, or water table conditions, groundwater flow will generally mimic topography, flowing from upland areas (recharge zones) to nearby surface streams (discharge zones).

The topography at the subject site is predominantly flat, with an average elevation of approximately 230 feet above mean seal level. The closest body of water is a small pond located approximately 200 feet west of the subject property. The pond appears to accept stormwater run-off from the subject site, and eventually drains into the south-flowing Leith Creek located approximately 1,000 feet west of the subject property. Based on

information contained within previous environmental reports prepared for Abbott, the average depth to groundwater at the site varies from 3 to 8 feet below grade, and the direction of groundwater flow is to south-southwest.

2.4.2 *Site Soils and Wetlands*

The soil type underlying the subject property is classified by the Scotland County Natural Resources Conservation Services (NRCS) as consisting of two different soil types. The predominant soil type is McColl Loam, which is located throughout the central and eastern portions of the property. McColl Loams form on poorly drained soils found in oval topographic depressions called "Carolina Bays." Permeability is rated "slow", and the seasonal high water table is located at or near the surface throughout the wet season (November through April). Faceville loamy sands of 2 to 6 percent slopes are located along the western portion of the property. Faceville soils are well drained, with "moderate" permeability. The seasonal high water table is located below 6.0 feet of the surface from December through March. McColl soils are classified as "hydric" (existing in moist environments) by the NRCS. Hydric soils are one of the three indicators of a wetland area (hydrology and hydrophytic vegetation being the other two).

ERM also reviewed the National Wetlands Inventory (NWI) map, as presented in the EDR database report (see Appendix C). The NWI maps are published by the U.S. Department of the Interior, Fish and Wildlife Service. The NWI map indicates that no wetland areas are present on-site. No obvious indications of wetlands, such as water marks on trees, sediment deposits on plants, buttressed tree trunks, or trees with adventitious root systems were observed during the site visit. The nearest mapped wetland area is a small pond located approximately 200 feet west of the subject property beyond U.S. Highway 15-501. Also, the area along Leith Creek farther west is indicated as a mapped wetland area.

2.5 *UTILITIES*

Sanitary sewer and potable water services are provided to the subject site by the City of Laurinburg. Electricity to the main building is provided by Progress Energy (formerly Carolina Power & Light, or CP&L), while electricity to the two remote warehouses is provided by the City of Laurinburg. Natural gas is supplied to the facility by North Carolina Natural Gas, and is used for comfort heating within the remote warehouses. The majority of the main building is heated by a series of air handling units which receive hot water from the boilers. The facility's five boilers are natural gas-fired with No. 2 fuel oil as a backup source. Solid waste (non-hazardous) is currently stored in three dumpsters located at the facility. According to site personnel, the dumpsters were formerly

serviced by Waste Management; however, at present the dumpsters are serviced by the City of Laurinburg on an as needed basis. Mr. McLean and Mr. Michols report that they are not aware of the presence of any water supply wells (other than those related to the groundwater remediation system) or septic systems, past or present, at the subject property. The previous Phase I ESA report also indicates that no septic systems or water wells are located on-site.

2.6 *PROCESSES AND MATERIAL USE*

2.6.1 *Current Operations*

Manufacturing operations at the subject facility ceased in June 2002, and the facility has been closed since that time. During the 1990s, the facility employed approximately 1,200 workers while manufacturing medical devices such as anesthesia kits and specialty intravenous injection sets. Facility personnel indicate that their Standard Industrial Classification (SIC) code was 3841 (Surgical and Medical Instruments and Apparatus).

Raw materials were predominantly received from outside vendors in finished form. These materials include pharmaceuticals and medicines, solution liquids, large and small volume plastic and glass containers, plastic resin beads, unassembled metal sets, kits, and devices, and various plastic, rubber, and metal container appurtenances, such as caps and seals. Raw materials were stored in either of the two stand-alone warehouses, or at the production staging warehouse in the western portion of the main building.

Also, some plastic parts for the kits and sets were extruded on-site using an injection molding process inside the main building. Polypropylene resin pellets were shipped to the facility and stored inside a 48,000-pound silo located along the west wall of the main building. A lesser amount of plastic resin was shipped to the facility in cardboard boxes or fiber drums.

The primary operations at the site involved the assembly of medical devices such as anesthesia kits and specialty intravenous injection sets using the above mentioned components. During the assembly process, various solvents were used to seal, or bind, various plastic tubing and connectors. The solvents were mixed, or prepared, inside the solvent preparation room, on a small table. Small quantities of solvent mixtures were then carried to other locations for use, as needed. Typical solvents used on-site included trichloroethene (TCE), methyl ethyl ketone (MEK), cyclohexanone, methyl methacrylate, heptane, and isopropyl alcohol. At the time of ERM's site visit, the solvent preparation room contained a small concrete lined floor trench sump. The floor trench sump accepts any spills in the preparation room; any spills entering the floor trench

would drain to an in-ground containment sump located outside the building. Mr. McLean, and the 2001 Phase I report, indicated that no spills were known to have occurred to the trench. No stains were observed by ERM at, near, or in the floor trench.

The spill containment sump outside the building also accepts blowdown (condensate) from the cooling towers located nearby. The cooling tower blowdown (and hence any spills discharged to the sump) are automatically pumped overhead to the neutralization basin, also located along the north side of the building. At the neutralization basin, the pH is monitored and adjusted if necessary before sending discharge to the POTW. Mr. McLean reports that in the event that the pH of the wastewater is outside certain pre-set limits, an alarm is sounded and the automated system is shut down pending further inspection.

Once the materials were assembled, the finished product was staged in the shipping warehouse, located near the northeastern portion of the main building, before being transported to Remote Warehouse #1 to await ultimate shipment to off-site customers.

2.7 *EVALUATION OF HISTORIC INFORMATION SOURCES*

To determine past uses of the subject property and surrounding properties, ERM reviewed historical sources of information as outlined below.

Summary of Historical Records Reviewed

	Years Reviewed	
Source of Information	*Subject Property*	*Adjacent Properties*
Interview(s)	Mr. Wayne McLean	Mr. Wayne McLean
Sanborn Fire Insurance Company Map(s)	No Coverage (presented in Appendix D)	No Coverage (presented in Appendix D)
City Directories (organized by address)	1964, 1969, 1973, 1978, 2983, 1988, 1993, 1998, 2003 (see Appendix D)	1964, 1969, 1973, 1978, 2983, 1988, 1993, 1998, 2003 (see Appendix D)
USGS Topographic Maps	1949, 1957, 1957 (photo-revised 1982) (see Appendix E)	1949, 1957, 1957 (photo-revised 1982) (see Appendix E)
Aerial Photographs	1938, 1949, 1956, 1961, 1966, 1975, 1980, 1982, 1995, and 1999	1938, 1949, 1956, 1961, 1966, 1975, 1980, 1982, 1995, and 1999
50-year Chain-of-Title	See Appendix F	See Appendix F

The 1995 aerial photograph was obtained from the Scotland County Tax Office at a scale of 1 inch equals 400 feet. The 1999 aerial photograph was reviewed on the Terraserver website (http://terraserver.homeadvisor.msn.com). The Terraserver aerial photograph had a scale of

approximately 1-inch equals 350 feet. The 1980 aerial photograph was obtained from the subject facility, and is an oblique photograph with an undetermined scale. The 1975 aerial photograph (approximate scale 1-inch equals 400 feet) was obtained from a PowerPoint presentation prepared by Abbott summarizing the remediation history of the site. The remaining aerial photographs were reviewed at the Scotland County NRCS, located in Laurinburg, North Carolina. The scales for the 1938, 1949, 1961, and 1982 photographs is 1 inch equals 1,320 feet, and the scale for the 1956 and 1966 photographs is 1 inch equals 1,667 feet.

ERM interviewed Mr. Wayne McLean, Facility Engineering Technician for Abbott. Mr. McLean, who was employed at the subject facility for approximately 13 years (since 1990), reports that the subject property was first developed in the late 1960s and that prior to that time, the property was undeveloped. According to the chain-of-title review (see Appendix F), Abbott Laboratories purchased the subject property from McNair Investment Company in 1969. Prior to 1969, the property was owned by Mr. John F. McNair of McNair Investment Company. Mr. McNair acquired the subject property and other adjacent land between the years of 1922 and 1946. Previous owners of the various tracts of land included various members of the Middleton family, Sarah K. and Sally S. Smith, and Edwin and Flora Buchanan. With the exception of McNair Investment Company, none of the previous owners identified during the deed review appeared to be a company or corporation. The individual property deeds are attached as Appendix F.

According to the previous Phase I ESA report, the main building was constructed in 1969, and Abbott commenced operations at the subject property in 1970. Remote Warehouse #1 was constructed northeast of the main building in 1986, and Remote Warehouse #2 was constructed in 1987. According to site personnel and a review of historical aerial photographs, building additions were constructed near the northwest corner of the main building circa 1990 and near the southwest corner of the main building in 1999.

In the 1938 aerial photograph, it appears that two residential houses are present on the subject property. One house is located near the western property boundary, while one is located near the center of the property. The remainder of the subject property appears to be farmland. The Laurinburg and Southern railroad is present north of the site, and there is development (a building, possibly a retail gasoline station) indicated in the present-day location of Nic's Pic Kwik gasoline station. The remaining adjacent properties appear to be farmland. In the 1949 aerial and topographic maps, the residential home in the center of the subject property is indicated; however, the home near the western property

boundary is no longer present. The surrounding property remains unchanged since the 1938 aerial.

In the 1956 aerial and 1957 topographic map, the residential home in the center of the property is still present, while the remainder of the subject property appears to be grassland. The 1957 topographic map indicates "gasoline tank" at the present-day location of Nic's Pic Kwik, and Highway 401 Bypass is now present south of the subject property. Adjacent properties to the north, east, and west remain unchanged. In the 1961 and 1966 aerial photographs, the residential home located in the center of the subject property is still evident, while the remainder of the subject property appears to be grassland and partially wooded. Additional off-site development is observed northwest of the subject property. In addition, a small pond is now evident further to the west. Adjacent properties to the north, east, and south remain unchanged.

In the 1975 aerial photograph, the main building of the subject property has been constructed. The 250,000-gallon water tank is present to the north of the building, and a solvent disposal pit is visible approximately 70 feet east of the water tank (Sections 3.3 and 3.4 more fully discusses the former solvent disposal pit). The pit appears to be approximately 20-feet in diameter. Mr. Michols reports that the pit was lined with concrete, and was designed as an evaporation pit for the disposal of solvents prior to promulgation of the RCRA regulations. Nic's Pik Kwik retail gasoline station is still present to the north.

In the 1980 aerial photograph, the main building is still present in the center of the subject property. The solvent disposal pit has been filled in and is now covered by an asphalt paved access road. The ETO storage shed has been constructed east of the former solvent disposal pit area. Adjacent property to the east remain undeveloped. Adjacent properties to the north, south, and west are not pictured in the 1980 photograph. In the 1982 aerial and topographic map, the main building is present on the subject property; however, the warehouses have not been constructed. Easton Corporation is now present west of the subject property, with residential homes located south and southeast of the subject property. Adjacent property to the east and north remains unchanged. In the 1995 aerial photograph, the two warehouses are now evident northeast of the main building. The Jordan Warehouse is now present north of the subject property, and Scotland Containers, Inc. and Southeast Farm Equipment Company are present east of the subject property. Properties to the west and south remain unchanged. In the 1999 aerial photograph, the subject property appears similar to that observed at the time of the site visit. The adjacent properties remain unchanged from the 1995 aerial.

An abstract of Polk city directory listings was obtained from EDR. The subject property was not identified on any of the city directories. No adjacent properties were identified until the 2003 city directory, in which Paul's Tire Service, RJ Signs, and Dean Lucas Painting were identified on Aberdeen Road (see Appendix D).

3.0 *RECORDS REVIEW AND INTERVIEWS*

3.1 *ENVIRONMENTAL DATABASE REVIEW*

ERM contracted EDR to conduct a database search for agency records. The database report, presented in Appendix C, defines and summarizes the ASTM databases reviewed and notes if any sites (including the subject property) were identified within the specified radius. It should be noted that the computerized geocoding technology used in the database search is based on available census data and is only accurate to approximately ±300 feet. The EDR report provides a list of unmapped sites for which inadequate location information was provided. ERM has reviewed the list of unmapped "orphan" sites to determine if these sites are within the immediate vicinity of the subject property. If the "orphan" sites appeared likely to be within the search radius for a specific database, they are discussed in the sections that follow.

Based on maps of the area, the required database search radius for a given database, and the site reconnaissance, it appears that one orphan site appears to be within the immediate vicinity of the subject property. Sites identified within the study radii were evaluated to determine if they are likely to have adversely impacted the subject property. The criteria used to evaluate the potential for adverse impact to the subject property include:

- distance from the subject property,
- expected depth and direction of groundwater and surface water flow,
- expected stormwater flow direction, and
- the presence/absence of documented contaminant releases at the identified sites that have not been remedied to the satisfaction of regulators.
- The identification of a site as potentially upgradient or downgradient is based on the expected direction of groundwater flow direction.

The following is a summary of the significant information reported in the EDR report:

Subject Property

- The subject property was identified on the following databases: Underground Storage Tank (UST), Leaking Underground Storage Tank (LUST), Incident Management Database (IMD), State Hazardous Waste Sites (SHWS), North Carolina Hazardous Substance Disposal Site (HSDS), Responsible Party Voluntary Action Sites (VCP), Resource

Conservation and Recovery Information System - Large Quantity Generator (RCRIS-LQG), Toxic Release Inventory System (TRIS), and Facility Index Database System (FINDS).

- According to the EDR report, the subject property formerly operated two heating oil USTs. The tanks, which were 10,000-gallons and 15,000-gallons in capacity, were installed in 1979 and reportedly removed in 1997. On-site information obtained during interviews with Mr. McLean and Mr. Michols, as well as information contained in the 2001 Phase I report, indicate that the 15,000-gallon UST was closed in-place by filling with cement, and was not removed as indicated in the EDR report. The EDR report indicates that the subject facility is listed on the LUST and IMD databases due to a leaking underground fuel oil pipe that was discovered in 2000. According to a previous Phase I report (see Section 3.3), approximately 1,600 gallons of fuel was released when the fuel oil for an aboveground storage tank (AST) was inadvertently pumped into piping for the former UST. Upon discovery, Abbott removed approximately 1,600 gallons of free product, 21,000 gallons of contaminated water, and approximately 39 tons of contaminated soil from the affected area. The incident, which occurred in 2000, is presently in active remediation (see Section 3.4).

- The subject property is listed on the SHWS, HSDS, and VCP databases for a former waste solvent pit that was active at the site between 1970 and 1976. According to a previous Phase I report (see Section 3.3), in 1991 Abbott signed an Administrative Order on Consent (AOC) to investigate site conditions and remediate any soil and groundwater contamination. Since that time, Abbott has installed a groundwater treatment system and has been in active remediation since 1994.

- The subject property is also identified as a RCRIS-LQG of hazardous waste. According to the EDR report, the subject property has received three written-informal violations for hazardous waste management. The report indicates that the violations were issued in 1984 and 1987, and that compliance was achieved within three weeks of each violation. The subject property is also identified on the TRIS and FINDS database as a source of regulated air emissions.

Surrounding Properties

- The Ryder Truck Rental Facility (located on the orphan list), located approximately 1/8 mile north of the subject property's northern boundary, is identified on the UST, LUST TRUST and RCRIS-Conditionally Exempt Small Quantity Generator (CESQG) databases. According to the EDR report, the facility formerly operated six USTs

(three 12,000-gallon diesel tanks, and one 12,000-gallon, one 6,000-gallon and one 2,000-gallon oil tank), which were removed in 1994 and 1997. The status of all tanks is permanently closed. In addition, the facility has one active 20,000-gallon diesel UST, which was installed in 1997. The facility is identified on the LUST TRUST database for an oil release that occurred in 1991. According to the EDR report, soil and groundwater contamination was reported and site performed remediation activities. Based on topography and on the known southerly direction of groundwater flow at the site, it appears that the Ryder Truck facility is located upgradient from the subject property, and appears to have the potential to impact groundwater beneath the western most portion of the subject property.

- The Rea Magnet Company, located 1/8 mile northwest of the subject property, is listed on the following databases: Comprehensive Environmental Response, Compensation, and Liability Information System - No Further Remedial Action Planned (CERCLIS-NFRAP), RCRA Administrative Action Tracking System (RAATS), IMD, LUST, RCRIS-LQG, FINDS, and TRIS. According to the EDR report, a leaking diesel fuel pipe was identified in 1989. Soil and groundwater contamination were detected, and the facility is in active remediation. The site has been issued six written-informal violations for hazardous waste management. The violations occurred between 1984 and 2002, and compliance was achieved within three months of each violation. Based on the distance of this site to the subject property, and on the slightly cross-gradient position of this site relative to the subject property, it is unlikely that the diesel release represents a recognized environmental condition to the subject property.

- The Toastmaster, Inc. facility, located approximately 1/8 mile northwest of the subject site, is identified on the HSDS database. According to the EDR report, the site formerly operated a lagoon contaminated with chlorinated solvents. The condition was discovered in 1990, and the site is currently in active remediation. Based upon the location of the Toastmaster site, it is unlikely that the affected groundwater would migrate onto the subject property.

- The Nic's Pic Kwik facility, located adjacent and upgradient to the subject property, is identified on the North Carolina LUST/IMD database as Incident No. 2856. The release is listed as having occurred in 1984, and was reported in 1988. The description for the incident is "water supply well became contam. when gasoline leaked from a faulty union located in the piping from the premium gasoline tank." The status of this incident is listed as "FU" (follow-up). Based on topography and on the known southerly direction of groundwater

flow at the site, it appears that the Nic's Pik Kwik facility is located upgradient from the subject property, and appears to have the potential to impact groundwater beneath the western most portion of the subject property.

- The Eaton Corporation facility, located adjacent and west of the subject property, was also identified on the North Carolina LUST/IMD database as Incident No. 3761. The release is listed as having occurred in 1988, and was reported in 1988. The description for the incident is "toluene saturated soil was discovered in the sub-surface by work crew augering borings adjacent to underground plumbing from above ground tank." The status of this incident is listed as "RA" (Remediation). However, it should be noted that the RA status does not necessarily indicate that remediation is ongoing (i.e., it could have been a one-time event). Based upon the location of the Toastmaster site, it is unlikely that the affected groundwater would migrate onto the subject property.

Based on the above information, it appears that the Nic's Pic Kwik and the Ryder Truck Rental facility, both located within a ¼ mile north of the subject property, have the potential to adversely impact the northwestern most portion of the subject property. The previous Phase I ESA report also recognizes this potential, but points out that historical monitoring data from on-site monitor well MW-5 (located near the northwestern property corner) has not indicated the presence of contaminants of concern. However, well MW-5 is no longer routinely sampled for VOCs, and does not appear to have been sampled since the early or mid 1990s. It is possible that off-site contaminants have migrated onto the property since that time.

3.2 *INTERVIEWS WITH AGENCY PERSONNEL*

ERM contacted Captain Jim Lynch of the Laurinburg Fire Department pertaining to any chemical releases, spills, or other emergency responses to the subject site. Mr. Lynch, who has been employed at the fire department for 15 years, reports that he is not aware of any emergency response or chemical incidents at the subject site during his tenure.

Also, ERM contacted Mr. Robert Ellis at the City of Laurinburg Publicly Owned Treatment Works (POTW). Mr. Ellis reports that the Abbott facility maintained a permit to discharge treated groundwater from the remediation system. He also indicated that the facility had a few pH violations, but he was not aware of any "major" violations. Also, he was not aware of any process-related waters being discharged to the POTW.

On July 8, 2003, ERM conducted a regulatory file review at the North Carolina Department of Environment and Natural Resources (DENR) Fayetteville Regional Office (FRO) concerning the environmental matters at the subject site. Specifically, ERM requested to review the regulatory files pertaining to:

- The solvent and fuel oil release (Division of Water Quality, Groundwater Section files)
- USTs (Division of Waste Management, UST Section files)
- Air quality (Division of Air Quality files)
- Stormwater (Division of Water Quality, Stormwater Section files)
- Hazardous Waste (Division of Waste Management, Hazardous Waste Branch)

Groundwater Section Files

The DENR FRO maintains a project file relating to both the solvent release and the fuel oil release. The FRO file concerning the solvent release is incomplete, and does not have many of the environmental documents which Abbott has provided to GOJO (and subsequently to ERM). According to Mr. Sean Boyles of the Groundwater Section, his office only maintains a minimal amount of information concerning the solvent release because the incident is being managed by the DENR's Division of Solid Waste, Inactive Hazardous Sites Branch. The complete file, according to Mr. Boyles, would likely be available at the DENR Division of Solid Waste's office in Raleigh, North Carolina. ERM noted that several documents within the DENR file were not on the list of Abbott-supplied documents, including:

- A report dated December 18, 2001 concerning the pilot study for the use of zero-valent iron at the site;
- An internal memo from Sean Boyles at DENR's FRO to the Raleigh Central Office dated July 12, 2002;
- A chronology of all significant environmental milestones at the subject property up to December 2000, compiled by Abbott and apparently presented at a meeting with the DENR.

The chronology of events, updated by ERM, is presented below.

Table 1. Abbott Facility Environmental History

Date	Event
1969	Abbott purchased and constructed facility.
1970	Abbott began manufacturing operations at the facility.
1970-1976	Solvent evaporation pit in use.
1989	Solvent pit contamination discovered. DENR Division of Waste Management – Superfund Section Case # NO NCD 000 0040
1989-1992	Remedial investigation conducted. Approximately 21,000 yd^3 of impacted soil confirmed. Extent of impacted groundwater is 1,000 feet long, 900 feet wide, and 70 feet deep.
1991-April 16	Administrative Order on Consent (AOC) agreement for VOC contamination assessment and remediation became effective.
1993-February	Remedial investigation report submitted to DENR.
1993August	DENR provided risk-based cleanup goals for groundwater.
1993-November	South Yard groundwater intercept system began operation.
1994-August	Remedial Action Plan submitted to NCDEHNR.
1994-November	DENR approve RAP.
1995- Jan. 6,	Remedial Action Plan approved by NCDEHNR provided risk-based cleanup goals for groundwater.
1995-August to 1996-January	Source area remediation using in-situ volatilization (MecTool). 69 treatment columns completed. Between 1,250 and 1,900 lbs VOCs removed from soil and GW to a depth of 20 ft. BGS. Contaminant concentrations reduced by a factor of ten, but site stratigraphy was disturbed and solvent contamination was dispersed.
1996-January to 1996-August	Source area dual-phase extraction and groundwater pumping system construction and operation (North Yard groundwater extraction system). Extraction from 7 shallow recovery wells (20 feet deep) and 4 deep recovery wells (35-75 feet deep). Extraction rate of 6 to 10 GPM.
1998-October	DPE pulsing implemented.
1999-March	DENR approved reduction in post-closure monitor well sampling requirements.
1999-April	Monitored natural attenuation evaluated and rejected as a remedial alternative.
1999-December	DPE system shutdown because contaminants had reached asymptotic levels.
2000-January 30	1,500 gallon #2 fuel oil release occurred.
2000-September	Supplemental investigation conducted in the evaporation pit source area.
2001-September	Supplemental investigation conducted in support of in-situ bioremediation pilot test.
2001-July to 2001-November	Zero-valent iron and molasses injection bioremediation pilot test conducted. 21 injection wells and hydraulic fracturing utilized.
2002-July	Remedial Action Plan Amendment submitted to DENR.
2002-June	Abbott discontinued manufacturing operations at the facility.
2002-October 15	RAP amendment approved by DENR.
2002-November	Phase I in-situ treatment conducted. 39,600 pounds of HRC injected through 134 injection points in the source area over 16 days.
2003-July	Petroleum Release Comprehensive Site Assessment submitted to DENR. Area of impacted groundwater is 190 feet long, 60 feet wide, and 40 feet deep.
Pending	Petroleum release corrective action plan. Monitored natural attenuation is likely to be the selected remedy. In-situ bioremediation using ORC is under consideration as a contingent remedial alternative.

The internal memo dated July 12, 2002 states that, "Based on the recent pilot testing results of Zero Valent Iron (ZVI)/Molasses, it appears that this particular in situ technology is unsuitable for the site and has been shown to be ineffective in reducing contaminant concentrations any further. However, the RP still wants to use an in situ bioremediation technique because active treatment using the existing pump and treat system alone is estimated to require more that 100 years of continuous operation to achieve the proposed groundwater cleanup goals. Since HRC [hydrogen release compound] can be more readily injected into the more impacted areas of the deep aquifer, it may be a better alternative at this site than ZVI. Therefore, this office supports the request for HRC Treatment as a means of enhancing the degradation of chlorinated solvents in the groundwater."

The primary sensitive receptors that have been identified in the vicinity of the site are water supply wells. Two private wells are located 1,400 feet from the release (1 irrigation, 1 out of service). Additional wells are located more than 1,500 feet from the sources of contaminant releases at the site.

The fuel oil release is being managed solely by the FRO of DENR, according to Mr. Sean Boyles. ERM reviewed the fuel release file and found that it did not contain the two semi-annual monitoring progress reports prepared for Abbott in 2002, nor did it contain the comprehensive site assessment (CSA) report. It should be noted that Mr. Michols had previously informed ERM during the site visit that the CSA report has only recently been finalized, and that the report had not yet, but would be soon submitted to DENR. Following the file review, Mr. Michols also indicated that the two 2002 monitoring reports had been previously submitted to DENR. It is possible that the DENR had misfiled the two reports. A summary of ERM's review of the files is presented in Section 3.4.

UST Section Files

As noted in Section 3.1, the previous Phase I report indicates that a 15,000-gallon fuel oil UST was closed in-place, and that soil sampling indicated there had been no release. However, no documentation to that effect was provided to ERM. No copies of the UST closure report or analytical results were present on-site. Therefore, ERM attempted to review the DENR UST Section files pertaining to the Abbott Laboratories site. The UST Section has no UST closure report for the 15,000-gallon tank. Mr. Ken Currie of the UST Section reports that both of Abbott's USTs are listed as being closed in the DENR database, without a release, but also indicated that he was not aware of any supporting

documentation in the file. It is likely that the USTs, being used only for on-site heating purposes, were not regulated and hence there was no requirement to submit a UST closure report to the DENR.

Air Quality Section Files

The results of ERM's review of the air quality files revealed that the Abbott facility operated air emission sources (two solvent seal areas, and two specialty set areas, see Section 4.8) in accordance with a State air quality permit. In 1995, a Title V permit application was submitted to the DENR because the solvent emissions had the potential to exceed Title V limits. The Title V application was considered complete by the DENR, but was not reviewed and approved until 2001. During that time, the facility continued to operate under the State air permit, although they paid Title V class fees. Several compliance evaluations were found in the file, and all indicated that the facility was in compliance with the terms of its air permit. In December 2001, the facility successfully petitioned DENR for a re-classification from Title V to Synthetic Minor status. A revised permit was issued during February 2002. Due to the plant closing in June 2002, the air quality permit was rescinded in December 2002. ERM interviewed Mr. Steve Vozzo, Regional Air quality Supervisor a the FRO DENR. Mr. Vozzo reports that his office did not have any problems with the Abbott facility, and that their plant closing was a significant loss to the community. Copies of selected documents, including the most recent air quality permit, are attached in Appendix G.

Stormwater Section Files

Records on file at the DENR FRO indicate that during its operation, stormwater discharges from the facility were permitted by the DENR Division of Water Quality Stormwater Section via General Permit No. NCG030000 under Certificate of Coverage No. NCG030183. The permit coverage was rescinded on April 2, 2003 due to the plant closing. No other information was contained in the file. Copies of the contents of the stormwater file are attached in Appendix H.

Hazardous Waste Section Files

According to personnel at the DENR, all hazardous waste files previously kept at the FRO of DENR have been moved to the Wilmington Regional Office (WRO). ERM attempted to contact Mr. Bobby Nelms of the DENR WRO Hazardous Waste Section concerning the subject site. A response had not been received as of the date of this report. Any significant information received that suggests environmental concerns at the subject property will be forwarded upon receipt.

3.3 *INFORMATION REGARDING ENVIRONMENTAL LIENS, PREVIOUS PHASE I ENVIRONMENTAL SITE ASSESSMENTS, OR SPECIALIZED KNOWLEDGE OF KEY PERSONNEL*

Mr. Michols reports that he has no knowledge of any environmental liens involving the property. Also, Mr. Michols is not aware of any off-site liability held by Abbott pertaining to the Laurinburg facility, with the possible exception of the Seaboard Chemical Solvent Reclamation (Seaboard) facility in Jamestown, North Carolina (a hybrid State CERCLA/RCRA facility). Mr. Michols reports that Abbott received a CERCLA 104(e) letter during the 1990s indicating that they had been named as a potentially responsible party to the Seaboard site. Mr. Michols also indicated that he had no way of knowing if the PRP status was related to the Laurinburg site, or if it was related to another Abbott facility (e.g., the Rocky Mount facility).

The following previous Phase I ESA report was provided to GOJO Industries by Abbott, and was subsequently reviewed by ERM:

- "Phase I Environmental Site Assessment, Abbott Hospital Products Facility, Laurinburg, North Carolina" prepared by URS Corporation dated October 2001;

Findings from the Phase I report are discussed in several places throughout the text of this report. The report concludes that:

1. Several release incidents are documented on properties adjacent to the subject property; however, the URS report concluded that none of the incidents seem to have adversely impacted the subject property. The URS report conceded that the release incident at the adjacent Nic's Pic Kwik #1 might have impacted a small area of the northwestern portion of the subject property, but dismissed this based on the lack of contamination in on-site well MW-5, located in the western portion of the subject site. However, neither the URS report nor the documents provided to ERM contained analytical data on MW-5.
2. A solvent release occurred at a former waste solvent pit that was active at the site from approximately 1970 to 1976. Active remediation of the affected area began in 1994, and the contamination reached "asymptotic" levels in 1999. According to the report, off-site groundwater was at an acceptable quality. At the time of ERM's site visit, Abbott continues to actively remediate the solvent release area.
3. A release of No. 2 fuel oil occurred at the subject property in January 2000. Upon discovery, Abbott recovered 1,600 gallons of petroleum product, 21,000 gallons of contaminated water, and 39 tons of contaminated soil. At the time of the report, the incident was in active

remediation. At the time of ERM's site visit, Abbott continues to remediate the affected area.

4. The subject property is known to have asbestos-containing materials ACM) on portions of the insulated piping and ductwork. The report summarizes that the extent of ACM is managed such that the potential for airborne release of asbestos fibers and impact to the subject property and/or surrounding properties is low. During ERM's site visit, asbestos-containing material was identified at the subject property and the potential for airborne release appeared to be minimal.
5. Minor oil staining was observed on the pavement beneath the hydraulic system of the main building trash compactor, and on the concrete outside the north door of Warehouse 2. At the time of ERM's site visit, these stains were also observed at the subject facility.

3.4 *PREVIOUS SITE ASSESSMENT AND REMEDIATION REPORTS*

As part of the Phase I ESA, ERM reviewed documents provided by Abbott Laboratories to GOJO Industries (the client). A list of these documents is attached as Appendix I. A summary of the pertinent information is presented below. Selected figures from the documents reviewed are presented in Appendix J.

Introduction and Background

There have been two documented groundwater incidents at the facility, including a release of halogenated solvents from a former solvent evaporation pit, and a release of #2 fuel oil from an above-ground storage tank piping system. The solvent release was first discovered in 1989. The locations of the two releases areas, and the resulting groundwater contaminant plumes are shown in Appendix J-1 and J-2. The history of environmental releases from the facility is summarized below.

Date	Event
1968-1969	Abbott purchased and constructed facility.
1970	Abbott began manufacturing operations at the facility.
1970-1976	Solvent evaporation pit in use.
1989	**Solvent pit contamination discovered** when solvent was observed discharging into a drainage ditch. DENR Division of Waste Management - Superfund Section Case # NO NCD 000 0040
2000-January 30	**1,500 gallon #2 fuel oil release occurred.** DENR Groundwater Incident #21511.

According to the fuel oil release Comprehensive Site Assessment Report (Matrix, 6/2003), the following potential contaminant source areas have been identified at the site (see Appendix J-3):

Potential Groundwater Contamination Source Areas

Source #	Source	Tank Volume (gallons)	Stored Product	Installation Date	Current Status
1	AST#1	8,000	#2 Fuel oil	1996	Active
2	AST #2	250	Diesel fuel	NA	Active
3	AST #3	3,000	#2 Fuel oil	1998	Active
4	AST #4	500	#2 Fuel oil	NA	Active
5	AST #5	5,000	Freon 113	NA	Inactive
6	UST #1	15,000	#2 Fuel oil	1970	Closed in-place 1997
7	UST #2	10,000	#2 Fuel oil	1980	Closed in-place 1997
8	Raw materials shed #1		Flammable virgin solvents		Inactive
9	Raw materials shed #2		Toxics and oxidizers		Inactive
10	Hazardous waste storage shed		RCRA waste storage area		Inactive
11	Solvent evaporation pit		TCE, Freon 113		Active 1970-1976

A groundwater flow map is also presented as Appendix J-4. The primary sensitive receptors that have been identified in the vicinity of the site are water supply wells. Two private wells are located 1,400 feet from the release (1 irrigation, 1 out of service). Additional wells are located more than 1,500 feet from the sources of contaminant releases at the site. A water well location map is shown in Appendix J-5.

Solvent Release

The solvent release was discovered in 1989. The source of the release was a former solvent evaporation pit that was in operation from 1970 through 1976. Abbott laboratories negotiated an Administrative Order on Consent for the assessment and remediation of solvent contaminated soil and groundwater in 1991. A copy of the consent agreement is provided in Appendix J-6.

The current remediation strategy for solvent-affected soil and groundwater includes two components:

1) In-situ source area bioremediation using HRC (Hydrogen release Compound) to enhance biodegradation of dissolved phase solvents.

2) Containment of solvent-affected groundwater at the downgradient property boundary.

Actions to remediate solvent-affected soil and groundwater to date include:

Date	Activity
1989	Solvent pit contamination discovered.
1993-November	South Yard groundwater intercept system began operation.
1994-August	Remedial Action Plan submitted to DENR.
1994-November	DENR approved RAP.
1995-August to 1996-January	Source area remediation using in-situ volatilization (MecTool). 69 treatment columns completed. Between 1,250 and 1,900 lbs VOCs removed from soil and GW to a depth of 20 ft. BGS. Contaminant concentrations reduced by a factor of ten, but site stratigraphy was disturbed and solvent contamination was dispersed.
1996-January to 1996-August	Source area dual-phase extraction and groundwater pumping system construction and operation (North Yard groundwater extraction system). Extraction from 7 shallow recovery wells (20 feet deep) and 4 deep recovery wells (35-75 feet deep). Extraction rate of 6 to 10 GPM.
1998-October	DPE pulsing implemented.
1999-December	DPE system shutdown because contaminants had reached asymptotic levels.
2001-July to 2001-November	Zero-valent iron and molasses injection bioremediation pilot test conducted. 21 injection wells and hydraulic fracturing utilized. The pilot test indicated that in-situ bioremediation was applicable at the site, but would be more effective using HRC to enhance biodegradation of dissolved solvents.
2002-July	Remedial Action Plan Amendment submitted to DENR.
2002-October 15	RAP amendment approved by DENR.
2002-November	Phase I in-situ treatment conducted. 39,600 pounds of HRC injected through 134 injection points in the source area over 16 days.

Remedial methods attempted or implemented at the site include:

Date	Remediation Method
1993-present	Groundwater extraction (pump and treat)
1995-1996	In-situ volatilization (MecTool)
1996-1999	Dual-phase extraction
1999	Monitored natural attenuation
2001	In-situ remediation - zero-valent iron and molasses injection
2002-present	In-situ bioremediation - HRC injection

According to a presentation prepared for Abbott laboratories in 2003, the remediation activities conducted to date have resulted in the removal of approximately 2,600 pounds of VOCs. Abbott estimates that another 5,000 pounds of VOCs remain in the subsurface. Trichloroethene (TCE) is the primary contaminant of concern at the site. The most recent TCE groundwater plume map available is shown in Appendix J-7. Groundwater quality monitoring and reporting is conducted semi-annually.

In-Situ Source Area Bioremediation

The DENR approved remedial action for the source area is enhanced in-situ biodegradation. HRC (Hydrogen release Compound) is being utilized to enhance biodegradation of dissolved solvents. The remedial objective of the source area remediation is contaminant mass reduction. The source area remedial action plan consists of the following:

HRC Bioremediation Plan

Phase	Start Date	Completion Date	Description
1	11/2003	6/2004	Source and northern area treatment and monitoring.
2	6/2004	1/2006	Source and plume-wide (to the south property boundary) treatment and monitoring.
3	1/2006	6/2007	Residual treatment (Hot Spot) and monitoring.
4	6/2007	6/2010	Post-remediation monitoring.
Closure	6/2010	1/2011	Petition DENR for site closure.

The initial injection of HRC (Phase I) was completed in November 2002 (see Appendix J-8). According to the First Quarter 2003 Progress Report (Matrix 4/24/2003), the initial post-injection monitoring event indicated the following:

- Methylene chloride is being effectively remediated by HRC.
- The lack of an increase in TCE degradation daughter products indicates that groundwater is still being conditioned to optimal TCE degradation conditions. Minor TCE reduction was observed in two of the source area monitor wells.
- Treated portions of the aquifer are shifting to anaerobic conditions.

The current status of groundwater quality at the source area is summarized below.

Solvent Release Source Area Groundwater Contaminant Concentrations

Compound	Maximum On-site Concentration (ug/l)	T15A 2L Standard (ug/l)
1,1-Dichloroethene	1,300	7
Acetone	31,000	700
cis-1,2-Dichloroethene	14,000	70
2-butanone (MEK)	19,000	170
Chloroform	380J	0.19
1,1,1-Trichloroethane	20,000	200
Trichloroethene	270,000	2.8
Toluene	9,400	1,000
Tetrachloroethene	210J	0.7
Freon 113	NA	210,000

Compounds sampled February 2003
J - Estimated concentration
Source: 2003-04-24, *1st Quarter 2003 Progress Report – Remedial Action Plan for Solvent Remediation,* Matrix Environmental Southeast, Inc.

The concentrations of VOCs in groundwater in the source area are indicative of the presence of dense non-aqueous phase liquids (DNAPL).

Groundwater Intercept System Performance

The groundwater intercept (extraction) system has been in operation at the site since 1993. The remedial objective of the intercept system is containment of the dissolved phase contaminant plume. The capture zone for the extraction system is shown in Appendix J-9. Groundwater is extracted from one recovery well, RW-7, screened within the lower aquifer (35-75 ft BGL). The current extraction rate is 10 GPM. Pre-treated effluent from the system is discharged to the public sewer system. A total of 1.1 million gallons of water were extracted from January through March 2003. The system did not have any downtime during this period.

Data presented in the first quarter 2003 progress report (Matrix, 4/24/2003) indicates that the remediation system influent meets T15A 2L VOC standards except for vinyl chloride and 1,2-DCA as summarized below.

Groundwater Intercept System Influent Concentrations

Sampled 3/5 Compound	Max. On-site Concentration (ug/l)	T15A 2L Standard (ug/l)
Vinyl Chloride	**0.99J**	**0.015**
Trichlorofluoromethane	0.8J	2,100
Trichlorofluoroethane	390	210,000
Acetone	5UJ	700
cis-1,2-Dichloroethene	34	70
1,2-Dichloroethane	**0.52J**	**0.38**
Trichloroethane	2.5	2.8

J - Estimated concentration; UJ - Constituent not reported above estimated reported value

Contaminant recovery during the first quarter 2003 was limited to 0.5 pounds of VOCs (0.44 lbs. cis-1,2-DCE). An estimated 730 pounds of VOCs have been removed by the groundwater intercept system to date, as shown below.

Groundwater Intercept System Contaminant Mass Removal

Compound	VOC Mass Recovery (pounds)		
	8/1996 - 12/2002	1/2003 - 3/2003	Cumulative through 3/2003
1,1-Dichloroethene	2.8	0.00	2.8
Acetone	7.1	0.00	7.1
1,2-Dichloroethene	112.7	0.44	113.1
2-butanone (MEK)	52.1	0.00	52.1
Chloroform	1.4	0.00	1.4
1,1,1-Trichloroethane	1.3	0.00	1.3
Trichloroethene	240.3	0.03	240.4
Toluene	5.3	0.00	5.3
Methylene chloride	305.6	0.00	305.6
1,2-Dichloroethane	1.3	0.01	1.3
Vinyl Chloride*	0.03	0.01	0.04
Totals	729.9	0.5	730.4

* - Not tracked prior to 9/2002

Solvent Release Findings

The solvent release soil and groundwater quality data reviewed by ERM indicate the following:

- Abbott Laboratories has complied with North Carolina regulations for assessment and remediation resulting from operation of the solvent evaporation pit.

- The area of concern has been adequately characterized. No further assessment of solvent-affected soil and groundwater, other than the current groundwater monitoring program, appears to be necessary.

- The concentrations of VOCs in groundwater in the source area are indicative of the presence of dense non-aqueous phase liquids (DNAPL).

- Numerous groundwater remediation methods have been implemented at the site, at significant cost, with only moderate success. A total of 2,600 pounds of VOCs have been removed from the subsurface to date. However, an estimated 5,000 pounds of VOCs remain in the subsurface, and contaminant concentrations remain well above North Carolina groundwater standards.

- Insufficient data are available to evaluate the effectiveness of the source area in-situ bioremediation that was initiated in November 2002. The amended RAP indicates that source area remediation will be completed by 2010. This estimate of the duration of remediation is considered by ERM to be optimistic.

- The groundwater intercept system is effectively mitigating off-site migration of the solvent groundwater plume. However, the downgradient migration of the solvent plume may actually be greater due to the operation of the system.

No 2 Fuel Oil Release

Approximately 1,600 gallons of #2 fuel oil were released from subsurface above-ground storage tank (AST) piping on January 30, 2001. The AST piping was cross-connected to abandoned UST piping that was uncapped and terminated at a depth of 8-10 ft below ground level at a former 10,000 gallon fuel oil UST basin. Initial abatement actions included free product recovery (1,600 gallons) and recovery of contaminated surface water and groundwater (18,200 gallons). A total of 39 tons of contaminated soil were removed.

Soil quality data contained in the June 2003 CSA report (Matrix Environmental) indicates the following:

- Soil samples were collected from 25 grid point locations (release occurred at depth of 8 ft. BGS).

- Nine TPH-DRO detections exceed the regulatory limit of 40 mg/kg. Samples were collected from 7 to 9 ft. BGL and apparently within the capillary fringe.

- 1,2-DCA, naphthalene, and 2-methylnaphthalene were detected in concentrations above North Carolina soil-to-groundwater risk-based standards.

- No further remedial action is proposed (i.e. natural attenuation).

- Groundwater quality data contained in the June 2003 CSA report (Matrix Environmental) indicates the following:

- Only two petroleum compounds exceed North Carolina groundwater standards:

Compound	Maximum Concentration (ug/l)	T15A NCAC 2L Groundwater Standard (ug/l)
Benzene	47	1
Ethylbenzene	46	29

- The area of impacted groundwater is 190 feet long, 60 feet wide, and 40 feet deep (see Appendix J-10).

- Monitored natural attenuation is recommended in the CSA report. ORC (Oxygen Release Compound) injection may be proposed to enhance the natural attenuation of groundwater contaminants.

- Closure of the #2 fuel oil groundwater incident is projected within 5 years.

No. 2 Fuel Oil Release Findings

The #2 fuel oil soil and groundwater quality data reviewed by ERM indicate the following:

- Abbott Laboratories has complied with North Carolina regulations for assessment, remediation, and reporting for the #2 fuel oil release.

- A corrective action plan (CAP) will be required to address soil and groundwater contamination associated with the #2 fuel oil release.

- Monitored natural attenuation is an appropriate approach for soil and groundwater remediation associated with the #2 fuel oil release.

- The projected five year duration of remediation is considered by ERM to be optimistic.

ASSESSMENT AND REMEDIATION SUMMARY

Two contaminant releases have occurred at the former Abbott Laboratories facility in Laurinburg, North Carolina associated with a solvent evaporation pit and a #2 fuel oil above-ground storage tank respectively. The releases resulted in soil and groundwater contamination. Abbott has been extremely proactive in their response to the incidents.

ERM's findings from a review of the available documents that have been prepared for the site include the following:

Solvent Release

- Abbott Laboratories has complied with North Carolina regulations for assessment, remediation, and reporting for the #2 fuel oil release.

- The area of concern has been adequately characterized. No further assessment of solvent-affected soil and groundwater, other than the current groundwater monitoring program, appears to be necessary.

- VOC concentrations in groundwater at the source area are indicative of the presence of dense non-aqueous phase liquids (DNAPL).

- Numerous groundwater remediation methods have been implemented at the site, at significant cost, with only moderate success. A total of 2,600 pounds of VOCs have been removed from the subsurface to date. However, an estimated 5,000 pounds of VOCs remain in the subsurface, and contaminant concentrations remain well above North Carolina groundwater standards.

- Insufficient data are available to evaluate the effectiveness of the source area in-situ bioremediation that was initiated in November 2002. The amended RAP indicates that source area remediation will be completed by 2010. This estimate of the duration of remediation is considered by ERM to be optimistic.

- The groundwater intercept system is effectively mitigating off-site migration of the solvent groundwater plume. However, the downgradient migration of the solvent plume may actually be greater due to the operation of the system.

No. 2 Fuel Oil Release

- Abbott Laboratories has complied with North Carolina regulations for assessment and remediation resulting from operation of the solvent evaporation pit.

- A corrective action plan (CAP) will be required to address soil and groundwater contamination associated with the #2 fuel oil release.

- Monitored natural attenuation is an appropriate remedial approach for soil and groundwater quality.

- The projected five year duration of remediation is considered by ERM to be optimistic.

4.0 SITE RECONNAISSANCE

4.1 CHEMICAL USAGE AND STORAGE

Only very limited quantities of chemicals were observed during ERM's site visit. The vast majority of process chemicals have been removed from the site. Approximately twelve 55-gallon drums of caustic soda (pH adjustment) and water treatment chemicals (biocides) were observed in the North and South Groundwater Treatment buildings. Water treatment chemicals were also observed inside the main boiler room, and inside the Ross boiler room. Other chemicals were observed on-site located inside a small storage building near the north exterior wall of the main building. These chemicals included approximately fifteen 5-gallon pails of "Oil-C", six 25-pound canisters of Freon R-22, four 5-gallon pails of Johnson floor wax, one 55-gallon drum ofXL-100 Cleaner (contains n-propyl ethene and dipropylene glycol), and four small boxes of ruined paint, which were located on top of a flammable storage cabinet and had leaked paint onto the cabinet top. It appears that the paint cans may have frozen, then burst during sometime during the previous winter. A compressed gas cylinder of acetylene was observed (properly chained), just outside this outbuilding. Finally, a small amount of janitorial supplies are present in a storage room in the southern portion of the main building. The janitorial supplies are owned and used by Defender, a contract company which conducts the janitorial services.

Fuel oil is also present on-site, within various ASTs located outside the building, as discussed in Section 4.2.2. A list of chemicals previously use at the site is attached as Appendix K.

4.2 STORAGE TANKS

4.2.1 *Underground Storage Tanks*

No evidence of active underground storage tanks (USTs), such as fill ports or vent pipes, was observed at the subject property. According to site documents, there were formerly two heating oil USTs (10,000-gallons and 15,000-gallons) operated at the subject property. The 15,000-gallon tank, which was located north of the main building, was reportedly filled with concrete and closed in-place during 1997. ERM observed the fill port for this tank, and noted that approximately 7 feet of water is present within the pipe. The water exhibited only a faint petroleum odor. Mr. McLean and Mr. Michols report that the tank itself was filled with concrete, not the fill pipe. Typical UST in-place closure procedures include cutting fill pipes below grade and capping them to prevent accidental filling. Especially considering that a fuel oil AST is located adjacent to the

abandoned UST, a best management practice would be to cut the fill pipe flush to the ground surface and cap it to prevent accidental fills. The 2001 Phase I report indicates that soil sampling was conducted around the tank, and that the sampling and subsequent analyses verified clean closure. However, no documentation of the closure soil sampling was present on-site, and none has been reviewed by ERM in the previous environmental documents.

The 10,000-gallon UST, which was located east of the main building, was removed in 1997. No subsurface impacts were detected upon closure of the UST. The UST system was replaced with an AST; however, the UST piping was not removed or capped. During December 2000, a release occurred from the abandoned UST piping during filling of the AST (the fuel supplier accidentally pumped fuel into the former UST piping). A description of the release incident and the aftermath is presented below, and also in Sections 3.1 and 3.4.

4.2.2 *Aboveground Storage Tanks*

Eight aboveground storage tanks (ASTs) were observed at the subject property. The tanks include the following: one 8,000-gallon fuel oil AST, one 3,000-gallon fuel oil AST, one 5,000-gallon freon AST (empty), two 1,000-gallon propane ASTs (empty, according to Mr. McLean), one 250,000-gallon water AST, one 250-gallon diesel AST (for the emergency fire water pump system), and one 500-gallon diesel AST (for the emergency generator system for the computer room). All of the tanks were empty at the time of the site visit, with the exception of the fuel oil tanks, which still contain product, and the water tank. All of the fuel tanks have some containment for the tank itself, but not piping. The containment for the two larger fuel oil tanks appears to be adequate to contain a minor spill during fueling, but are not capable of holding the entire contents of either tank.

According to site personnel, the 3,000-gallon fuel oil AST was installed in 1997, upon removal of the 10,000-gallon UST located east of the building. The existing piping from the UST was routed to the AST, in order to fuel the facilities boilers. According to the EDR report (see Section 3.1) approximately 1,350 gallon of diesel fuel was released from a leaking underground pipe in January 2000. According to a previous Phase I report (see Section 3.3), approximately 1,600 gallons of free product was released. Upon discovery, Abbott removed approximately 1,600 gallons of free product, 21,000 gallons of contaminated water, and approximately 39 tons of contaminated soil from the affected area. The incident is presently in active remediation (see Section 3.4).

No stains or evidence of releases were noted at any of the tanks. All of the tanks appeared to be in good condition.

4.3 *POLYCHLORINATED BIPHENYLS (PCBs)*

Ten pole-mounted electrical transformers and four pad-mounted were observed throughout the subject property. To the best of Mr. McLean's knowledge, all the outside transformers (pole-mounted and pad-mounted) are owned by Progress Energy (formerly CP&L). However, the previous Phase I report indicates that Ms. Kim Kashmer, former Safety Director at the site, reported that the pole-mounted transformers were owned by Abbott. At ERM's request, Mr. Michols is attempting to resolve the apparent discrepancy.

Three of the pad-mounted transformers were observed at the northwest corner of the building, within a fenced area. A small area of stained gravel was noted beside one of the transformers. Any releases of oils from these transformers would be the responsibility of the owner, Progress Energy. Blue dots were observed on the three of the pole-mounted transformers, indicating that they are non-PCB transformers. All transformers appeared to be in good condition. With the exception of the aforementioned stain by one of the pad-mounted transformers, no other staining or indications of a release was noted.

Several smaller, "step-down" transformers were observed throughout the interior of the building. Site personnel report that these transformers are owned by the facility, and do not contain oil (wound, or "dry-type"). No stains were observed around these transformers.

4.4 *SOLID WASTE DISPOSAL*

4.4.1 *Hazardous Waste*

According to the EDR report, and based on the previous Phase I ESA report, the facility was formerly a LQG of hazardous waste. The waste was accumulated in an outside hazardous waste accumulation area on the north side of the main building. The accumulation area had a concrete floor, concrete curbing, a low metal wall and was covered by a metal roof. At the time of ERM's site visit, one 55-gallon drum of hazardous waste was present inside the accumulation area. The drum contained solvent-affected rags, which according to Mr. McLean, were generated during recent floor stripping activities. The drum was labeled "hazardous waste" but did not contain an accumulation start date and was not labeled with words or codes identifying its specific contents. An additional container of hazardous waste (properly labeled) was noted inside the main boiler room, within a "satellite accumulation" area. This container also contained solvent-affected rags from the aforementioned floor stripping activities. No stains or evidence of releases were observed at either container location.

According to the previous Phase I report, hazardous waste streams at the site included:

- Flammable spent solvents and solvent affected sponges and rags (MEK, methylene chloride, cyclohexanone, and heptane);
- Flammable liquids used in paint cleanup operations;
- Spent solvent used in parts degreasing (1,1-dichloro-1-fluoroethane);
- Remediation system filter bags;
- Nesslers Reagent;
- Soil and groundwater contaminated with solvents from the remediation project;
- Fluorescent bulbs (managed as a universal waste);
- Batteries (managed as a universal waste);
- Mercury switches (managed as a universal waste);
- PCB ballasts;
- Epinephrine injectables; and
- Surplus production pharmaceuticals.

The facility formerly maintained an EPA generator identification (I.D.) number of NCD050411800, according to the EDR report and the previous Phase I. The EDR report also indicates that during 1999, the facility reported disposing 68,290 pounds of F002 listed waste (halogentated solvent), 69,240 pounds of F005 listed waste (non-halogentated solvent), 69,240 pounds of F003 listed waste (also non-halogentated solvent), and 730 pounds of P042 listed waste (epinephrine). Ten pounds each of mercury and arsenic waste were also reported on the facility's 1999 biennial report.

4.4.2 *Non-Hazardous Waste*

Solid waste (non-hazardous) is currently stored in three dumpsters located at the facility. According to site personnel, the dumpsters were formerly serviced by Waste Management; however, at present the dumpsters are serviced by the City of Laurinburg on an as needed basis.

According to site personnel, typical components of the waste included office waste items and packaging materials. The site recycled used oil and coolants via off-site shipment by EcoFlow, of Greensboro, North Carolina. The used oil and coolants were stored in 55-gallon drums and stored in the hazardous waste shed.

4.5 *WASTEWATER*

Wastewater services at the site are provided by the city of Laurinburg. The previous Phase I ESA report indicates that the subject property formerly discharged the following to the Lauringburg municipal sanitary sewer system: sanitary wastes, treated groundwater, chiller blowdown, aqueous parts washing detergents, floor wash water, and "a small number of process wastes." During the site visit, Mr. McLean informed ERM that an additional discharge to the POTW is blowdown from the cooling towers.

Mr. McLean reports that the process wastewater passes through a concrete neutralization basin adjacent to the north wall of the main building. This neutralization basin is concrete, with an epoxy lining and measures 12 feet by 10 feet by 12 feet deep. The wastewater is pH adjusted at this location prior to discharge to the POTW.

ERM contacted Mr. Robert Ellis at the City of Laurinburg Publicly Owned Treatment Works (POTW) with questions pertaining to the permitting status of the subject property. Mr. Ellis reports that the Abbott facility maintained a permit to discharge treated groundwater from the remediation system, but did not maintain a permit for industrial discharges. Also, he was not aware of any process-related waters being discharged to the POTW. Concerning the groundwater treatment system operation, he indicated that the facility had a few pH violations, but that he was not aware of any "major" violations.

Prior to any future operation of the subject property, a detailed listing of all industrial discharges, such as those outlined above, should be made to the POTW for a wastewater permit determination.

4.6 *STORMWATER*

Stormwater falling onto the subject property is routed into a concrete-lined drainage ditch which extends along the eastern and northern sides of the main building and continues to the western property boundary. In addition, several storm drains were observed in the employee parking lot. With the exception of any miscellaneous overland runoff, all stormwater falling on the subject property is channeled into the concrete ditch, which discharges at the northwestern property line. The discharge is routed through a culvert under Highway 15-501, and ultimately discharges into the south-flowing Leith Creek located approximately 1,000 feet west of the subject property. It appears that a minor amount of stormwater run-on may enter the subject property near its northwestern corner (near Nic's Pik Kwik #1) before entering the concrete ditch and discharging off-site.

During its operation, stormwater discharges from the facility were permitted by the DENR Division of Water Quality Stormwater Section via General Permit No. NCG030000 under Certificate of Coverage No. NCG030183. During the site visit, ERM observed a copy of a Stormwater Pollution Prevention Plan (SP3) dated 1995. The permit coverage was rescinded on April 2, 2003 due to the plant closing.

The stormwater general permit required analytical monitoring, as well as qualitative monitoring. No records pertaining to stormwater were available at the subject site. During the DENR file review (see Section 3.2), Mr. Ricky Skags indicated that any stormwater analytical monitoring reports would have been submitted to the DENR central office in Raleigh. Mr. Skags indicated that he was not aware of any compliance issues associated with the Abbott facility, and ERM did not observed any Notices of Violations (NOVs) within the DENR FRO stormwater files.

4.7 *STAINED OR ENVIRONMENTALLY STRESSED AREAS*

During the site visit, ERM observed the following areas of staining or environmental stress, including:

- A small area of oil stained concrete at the northeast corner of the main building, in the former location of a hydraulic compactor dumpster unit;
- A small area of oil stained concrete at the north side of the of (approximately 15 square feet) of oily stains were observed on the northern end of the Remote Warehouse #2. According to Mr. McLean and the previous Phase I report, this staining is the result of former fork lift maintenance and the discharging of floor sweeping water;
- A small area of stained gravel was noted by one of the three pad-mounted electrical transformers located at the northwestern corner of the subject property. These transformers are owned by the utility company, Progress Energy.

Additional areas of environmental stress include the former solvent disposal pit area and the location of the diesel fuel release. These areas are more fully discussed in Sections 3.3 and 3.4.

4.8 *AIR EMISSIONS*

The facility formerly operated several air emission sources which were permitted through the DENR Air quality Section. Specifically, the facility operated under air quality permit number 03921R07, which was issued February 27, 2002 and expires January 31, 2007 (see Appendix G). The permit included the following permitted emission units, which have been

decommissioned as a result of the plant closure: one (1) device manufacturing operation consisting of two (2) solvent seal areas and two (2) specialty sets areas, one (1) natural gas/No. 2 fuel oil-fired 8.4 MM Btu boiler, and one (1) natural gas/No. 2 fuel oil-fired 4.2 MM Btu boiler. Several other sources are listed in the permit as insignificant, or exempt sources, including the remaining three on-site boilers. In December, 2002, Abbott requested and received a recession of the permit from DENR.

During the site visit, ERM evaluated the locations (or former locations) of the permitted emission sources. With the exception of the boilers, the air emission sources and most of the ductwork which vented the sources have been removed from the site. With the exception of the 8.4 MM Btu/hr boiler, none of the air emission sources were operating at the time of ERM's site visit. According to Mr. McLean, the boiler is used to provide steam and hot water to humidify and heat the building. It should be noted that because the boiler is a permitted air emission source, its present operation without a corresponding active permit appears to be in violation of the DENR Division of Air Quality rules. However, based on ERM's experience, a 8.4 MM Btu/hr boiler utilizing natural gas with No. 2 fuel oil as a backup source should be exempt from permitting requirements.

4.9 *ASBESTOS*

Because of its severe health effects to the human respiratory system, the manufacturing and use of most asbestos-containing surfacing materials and thermal systems insulation was banned by the U.S. EPA by 1978. In 1989 the EPA published the Ban and Phase-Out Final Rule, allowing a 7-year period to prohibit the future manufacturing, importation, processing, and distribution in commerce of most asbestos-containing materials (ACMs) (this rule was partially overturned in 1992). Prior to these legislative actions, asbestos was a common element in many construction materials. Although less likely, ACMs may also be present in buildings constructed and/or renovated after 1978 and may still be found in some present day building materials. The Occupational Health and Safety Administration (OSHA) has mandated that certain materials, notably surfacing materials, thermal systems insulation (TSI), and resilient flooring materials (tiles, linoleum, and mastic), present in buildings constructed prior to 1981 must be presumed ACM (PACM) unless sampling data indicates otherwise. Common ACMs include insulation, vinyl flooring, spray-on ceiling texture, dry-wall, and plaster.

A visual inspection of potential asbestos-containing materials in easily accessible areas was conducted during the site visit. Twelve-inch square floor tiles and 9-inch square floor tiles were observed inside portions of

both main building, including in the cafeteria (southeast portion of the building), the main east-west hallway through the southern portion of the building, and adjoining rooms such as the women's locker room and offices. These 9-inch floor tiles were also observed in the engineering offices (including Mr. McLean's office). ERM's experience indicates that 9-inch square floor tiles are generally an ACM. These floor tiles appeared to be in good condition.

In addition, ERM observed TSI throughout the main building. However, observation of the TSI was limited by the presence of a false ceiling throughout most of the main building area. The false ceiling covers not only the hallways and office areas, but also covers all of the main manufacturing area, the Ross manufacturing area, the insert molding area, and various supply rooms. Also, most of the exposed TSI within the two boiler rooms is covered by hard plastic jackets. Most of the exposed TSI observed by ERM appeared to be fiberglass or foam, and in relatively good condition. However, several hardened elbows (a suspect ACM) were observed; one in the main boiler room, on the chill water line header pipe and one suspended above the false ceiling above the main hallway in the southern portion of the main building. The hardened elbow in the boiler room was damaged, but was contained inside a plastic jacket which covers the piping.

According to the previous Phase I ESA report, an ACM survey was conducted at the Abbott facility sometime during the past by an employee licensed to collect asbestos samples. The survey included the collection of 84 samples, 26 of which detected asbestos at concentrations greater than 1 percent. The methodology of the sampling is not presented in the survey, there is no figure illustrating the location of the samples, and the name and license number of the inspector is not included. According to the report, all of the ACMs are labeled. During the site visit, ERM attempted to use the existing survey as a guide and locate the areas of ACM TSI. With the exception the boiler and several steam lines inside the main boiler room, which are covered by plastic jackets and/or other padding materials and are labeled as ACM, none of the ACMs identified in the report could be definitely located. Also, facility personnel cannot state with certainty whether or not the ACMs are still present on-site or have been abated.

4.10 OZONE DEPLETING COMPOUNDS (ODCs)

According to site personnel, the facility uses ozone depleting substances in air conditioning units and in the chillers. At least six chillers were observed during the site visit with charges of up to 680 pounds of R-22. These ODC sources should be serviced only by EPA licensed technicians.

4.11 *RADIOACTIVE SOURCES AND RADON*

Facility personnel report that no radioactive sources are present at the facility. No radioactive sources were observed during the site visit.

A radon gas survey was not conducted during this assessment. However, information supplied by Environmental Data Resources that was obtained from the U.S. Environmental Protection Agency (USEPA), indicates that the subject property is located in Zone 3, where the predicted average indoor radon level is typically greater less than 2 picocuries per liter (pCi/L). Specifically, the database indicates that of 15 radon samples collected within the facility zip code, radon activities ranged from 0 to 2.4 pCi/L. Radon mitigation measures are recommended by the USEPA when concentrations of radon exceed 4 pCi/L .

5.0 *CONCLUSIONS*

ERM conducted a Phase I ESA at the Abbott Laboratories facility located in Laurinburg, North Carolina. The work was performed in conformance with the scope and limitations of ASTM Standard Practice E 1527-00. The Phase I ESA was conducted by Mr. Rick Tarravechia, P.G. The report has been prepared by Mr. Tarravechia and reviewed by Mr. Jerry Prosser, P.G. Professional qualifications of Mr. Tarravechia and Mr. Prosser are attached as Appendix L.

Based on the data obtained during the Phase I site visit, the environmental database review, and interviews with persons familiar with the site and its history, the following concerns were identified at the site.

Recognized Environmental Conditions

- A solvent disposal pit was formerly operated at the site between the years 1970 and 1976. The purpose of the pit was to allow the evaporation and hence disposal of solvents prior to the RCRA regulations being promulgated. Although the pit was lined with concrete, significant releases to the underlying soil and ground occurred, and were first noted in 1989 when solvents were observed discharging into the nearby stormwater drainage ditch. Subsequent assessment and remediation has occurred as a result of this release. Abbott entered into an Administrative Order of Consent with the DENR in 1991. At present, the groundwater is affected by as much as 270,000 ug/l TCE and other solvents. On-site remediation has included pump and treat, in-situ volatilization (MecTool), dual-phase extraction, and HRC injection with monitored natural attenuation. Abbott is compliant with DENR regulations for assessment, remediation, and reporting of the incident, and the actions undertaken to-date indicate a proactive and aggressive approach to the incident. Abbott has projected that by 2010, the site will be eligible for closure. Based on the current concentrations in groundwater at the site, and on ERM's experience with similar sites and remediation methods, the estimated time for site closure is considered optimistic. At present, North Carolina has not adopted a risk-based corrective action (RBCA) program for solvent releases from non-UST sources, and the North Carolina groundwater standards (and the Inactive Hazardous Sites Program's Preliminary Remediation Goals (PRGs) for groundwater) are low (e.g., the PRG for PCE is 0.7 ug/l). Unless a RBCA framework is adopted by the State (a draft RBCA framework was developed in 1996, but has not been approved), final closure of this incident appears unlikely in the foreseeable future.

- A release of No. 2 fuel oil occurred at the site during fueling of an AST in 2000. Approximately 1,600 gallons of fuel oil was released when the fuel oil for an aboveground storage tank (AST) was inadvertently pumped into piping for the former UST. Upon discovery, Abbott removed approximately 1,600 gallons of free product, 21,000 gallons of contaminated water, and approximately 39 tons of contaminated soil from the affected area. The incident, which occurred in 2000, has been adequately assessed and remediated. Low concentrations of benzene (47 ug/l) and ethylbenzene (46 ug/l) remain in groundwater. Monitored natural attenuation is being proposed as the corrective action, and appears to be appropriate. However, it is not certain that the observed concentrations of benzene (47 ug/l) will naturally attenuate to the North Carolina groundwater standard of 1 ug/l within the five year timeframe projected by Abbott.

- A 15,000-gallon No.2 diesel fuel UST was previously located near the northwest corner of the building. The 15,000-gallon tank was reportedly filled with concrete and closed in-place during 1997. The 2001 Phase I report indicates that UST closure confirmation soil sampling was conducted around the tank, and that the sampling and subsequent analyses verified clean closure. Although the Phase I report contains documentation that the tank was filled with cement, no documentation of the soil sampling was present on-site, and none has been reviewed by ERM in the previous environmental documents. As an UST utilized for on-site heating purposes (backup source for firing the boilers), closure soil sampling was not required by DENR regulations. However, without the proper documentation, the potential for a release at this tank cannot be ruled out. ERM recommends that in the absence of soil analytical data, a limited assessment of soil and/or groundwater quality at the former UST location be conducted. Also, typical UST in-place closure procedures include cutting fill pipes below grade and capping them to prevent accidental filling. The fill port for this tank is still present and usable (although the UST itself has been filled with cement). Especially considering that a fuel oil AST is located adjacent to the abandoned UST, a best management practice would be to cut the fill pipe flush to the ground surface and cap it to prevent accidental fills.

- Two off-site properties with documented releases of petroleum hydrocarbons are located north (upgradient) of the subject site, and include Nic's Pic Kwik #1 and Ryder Truck Rental. Based on the known southerly direction of groundwater flow at the site, these two off-site locations have the potential to affect groundwater quality beneath the northwestern most portion of the subject property. On-site monitoring well MW-5 is located in the northwestern portion of

the subject site. Previous monitoring of this well during the early and perhaps mid 1990s indicated no impact. However, MW-5 has not been sampled since that time, and it is possible that affected groundwater has migrated onto the subject property during the interim. ERM recommends that a groundwater sample be collected from MW-5 for full VOC analyses, and/or that a file review be conducted on these two off-site incidents. ERM understands that the client wishes to proceed with the sampling of MW-5, and preparations to that effect are in progress.

Other Potential Concerns

- A spill containment sump located outside the northwest corner of the main building accepts blowdown (condensate) from the cooling towers as well as any spills which may occur in the former solvent preparation room. No staining was observed at the sump or at the floor trench, and no releases are known to have entered the floor trench/sump system. Fluids which drain into the sump are automatically pumped overhead to the neutralization basin, also located along the north side of the building. At the neutralization basin, the pH is monitored and adjusted if necessary before sending discharge to the POTW. Mr. McLean reports that in the event that the pH of the wastewater is outside certain pre-set limits, an alarm is sounded and the automated system is shut down pending further inspection. However, it is possible that a spill of hazardous material with a pH close to neutral could go undetected to the POTW. Abbott personnel indicate that their operators were trained to notice and report any spills. This apparent limitation (the reliance on employees noticing and reporting spills to prevent their direct discharge to the POTW) should be considered relative to the future use of the spill containment sump.

- ACMs are known to be present at the subject property. The only labeled ACM observed during ERM's site visit was insulation located within the main boiler room. Other suspect materials observed on-site include 12-inch square and 9-inch square floor tiles and associated mastic, as well as several hardened elbows on insulated pipes. An asbestos survey was previously conducted at the site by an Abbott employee licensed to conduct asbestos sampling. The survey included the collection of 84 samples, 26 of which detected asbestos at concentrations greater than 1 percent. The methodology of the sampling is not presented in the survey, there is no figure illustrating the location of the samples, and the name and license number of the inspector is not included. Observation of the TSI by ERM was limited by the presence of a false ceiling throughout most of the main building area, and by plastic jackets which enclose many of the insulated pipes,

particularly within the boiler room. Facility personnel cannot state with certainty whether or not the ACMs are still present on-site or have been abated. In order to accurately and thoroughly identify the presence, location, and quantity of all ACMs, a comprehensive asbestos inspection, conducted in a manner similar to those guidelines set forth in the Asbestos Hazard Emergency Response Act (AHERA), would have to be performed at the subject facility. This survey would satisfy the OSHA PACM requirements. As an alternative, the facility could presume that all TSI, surfacing materials, and floor tiles are ACM/PACM and manage these materials accordingly. Also, it should be noted that prior to demolition or any renovation, asbestos sampling at the affected area will be required to identify and quantify ACMs in the areas to be disturbed.

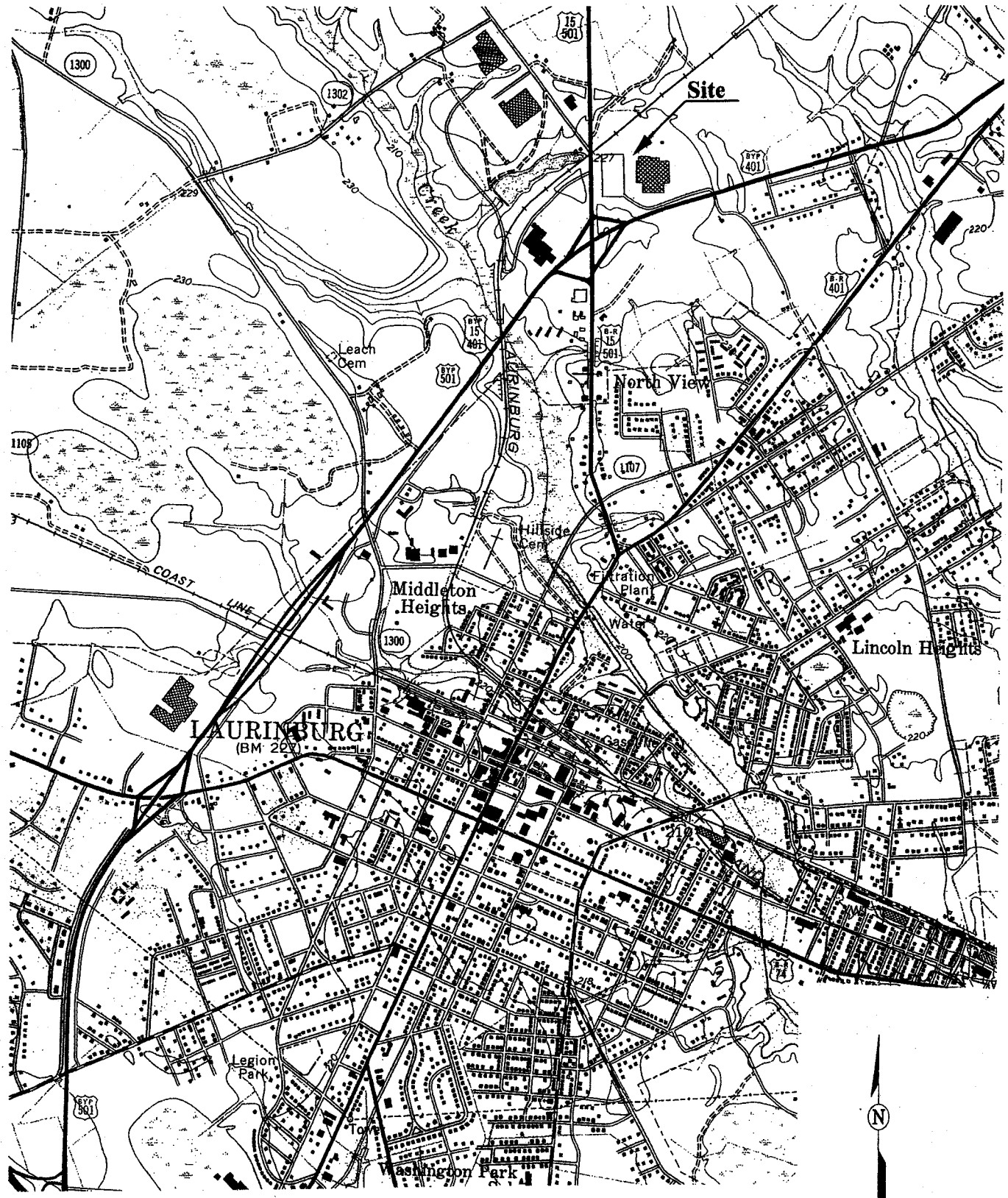
6.0 *LIMITATIONS*

6.1 *Scope of Activity*

The report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limits of the existing data, scope of work, budget, and schedule. To the extent that more definitive conclusions are desired by the client than are warranted by the currently available facts, it is ERM's specific intent that the conclusions and recommendations stated herein provide guidance and not necessarily a firm course of action except where explicitly stated. We make no warranties, express or implied, including, without limitation, warranties as to merchantability or fitness for a particular purpose. In addition, the information provided to the client in this report is not to be construed as legal advice.

6.2 *Limitations of Use of this Report*

ERM is not engaged in environmental assessing and reporting for the purpose of advertising, sales promotion, or endorsement of any client's interests, including raising investment capital, recommending investment decisions, or other publicity purposes. Client acknowledges this report has been prepared for the exclusive use of the client and agrees that ERM reports or correspondence will not be used or reproduced in full or in part for such purposes, and may not be used or relied upon in any prospectus or offering circular. Client also agrees that none of its advertising, sales promotion, or other publicity matter containing information obtained from this assessment and report will mention or imply the name of ERM. This report summarizes work performed to fulfill the ASTM *Standard E 1527-97 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ASTM Standard is intended to permit a user to satisfy one of the requirements to qualify for "innocent landowner defense" under the Federal Comprehensive Environmental Response Compensation and Liability Act (CERCLA). ERM makes no claims, warranties, or guaranties with regard to this environmental review. ERM does not represent that this Phase I work, in and of itself, constitutes "all appropriate inquiry into the previous ownership and uses of the property", as this phrase is used in Section 101 (35) (B) of the CERCLA of 1980, as amended through PL99-499 (October 17, 1986).



Source: Laurinburg, NC 7.5 Minute Topographic Quadrangle, 1957 (photo-revised 1982); Contour Interval = 10 feet

SCALE: 1 INCH = 2,000 FEET

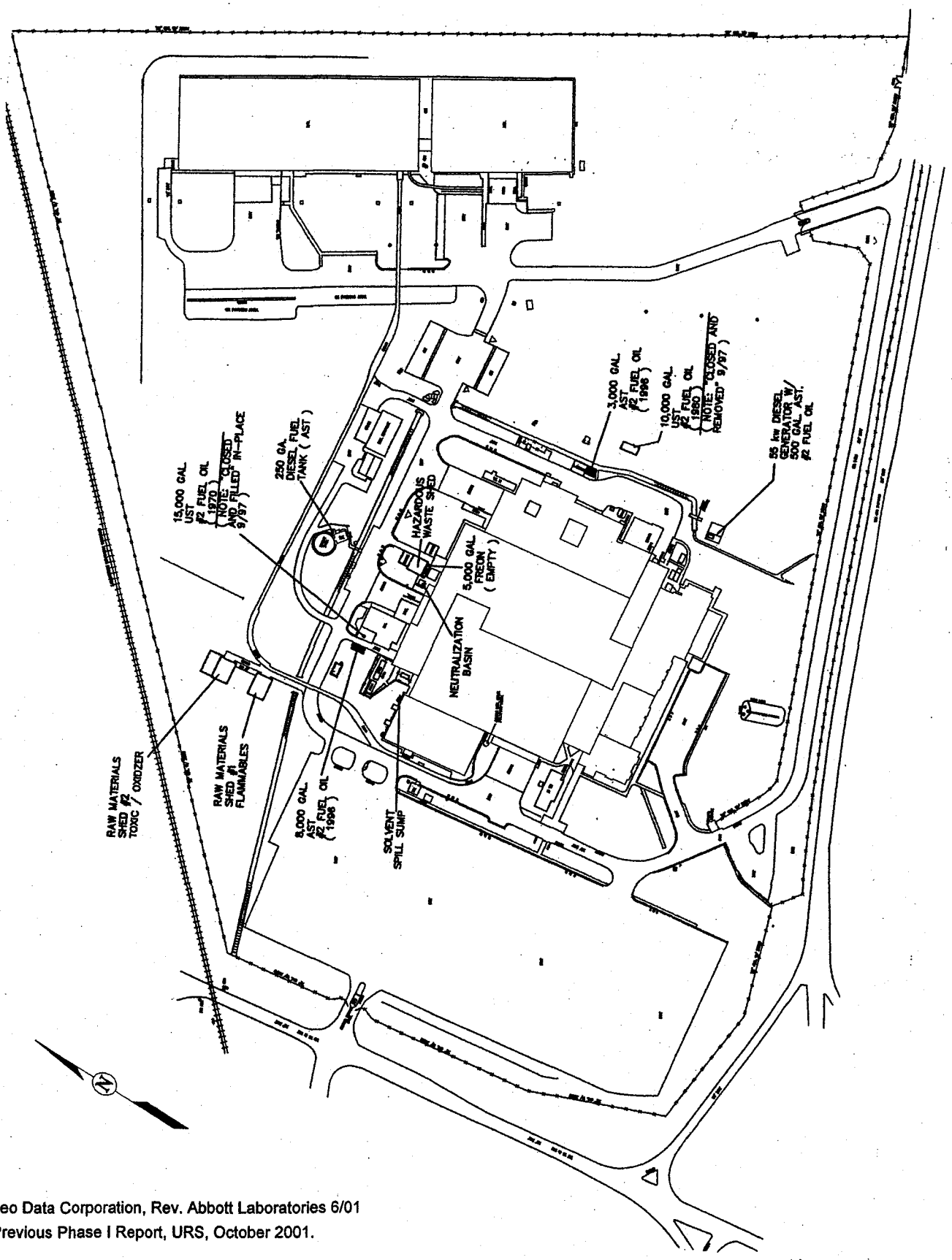
ERM

Environmental Resources Management

1982 HISTORICAL TOPOGRAPHIC MAP
FORMER ABBOTT LABORATORIES
LAURINBURG, NORTH CAROLINA

FIGURE

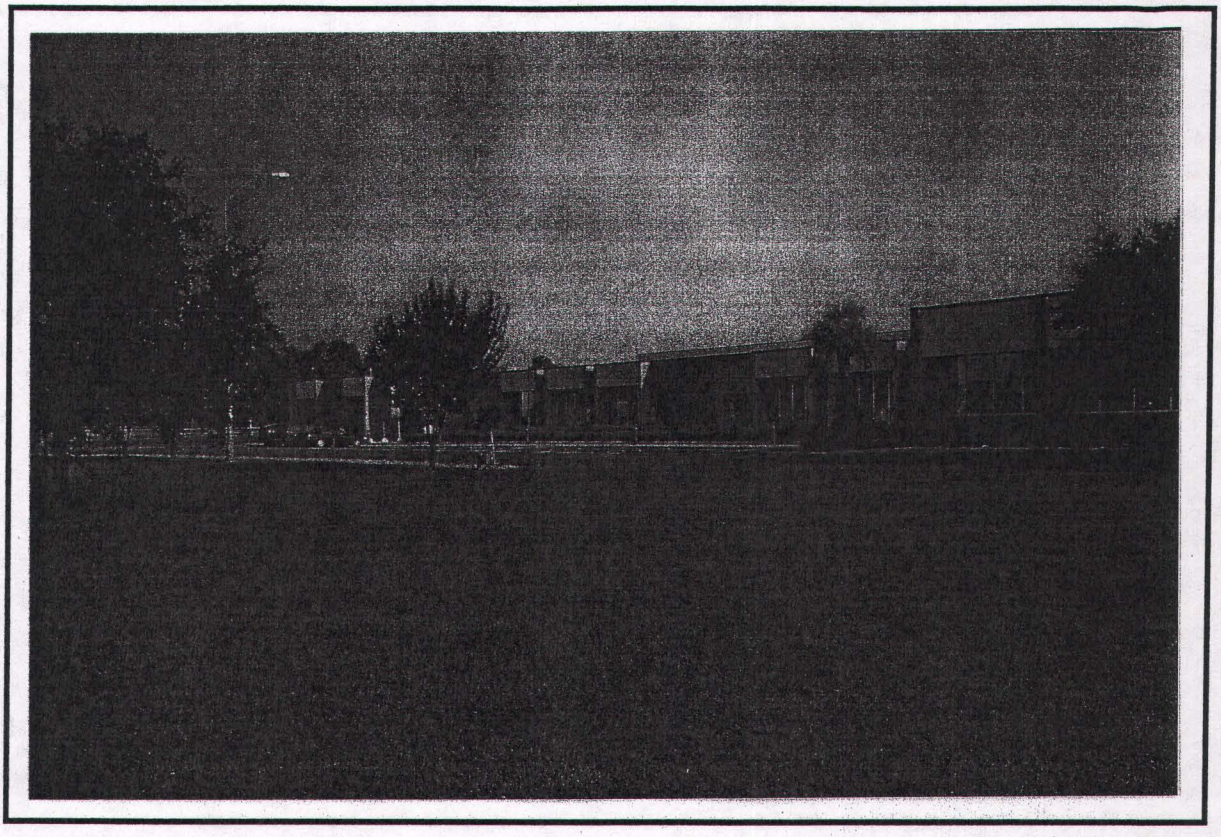
E3



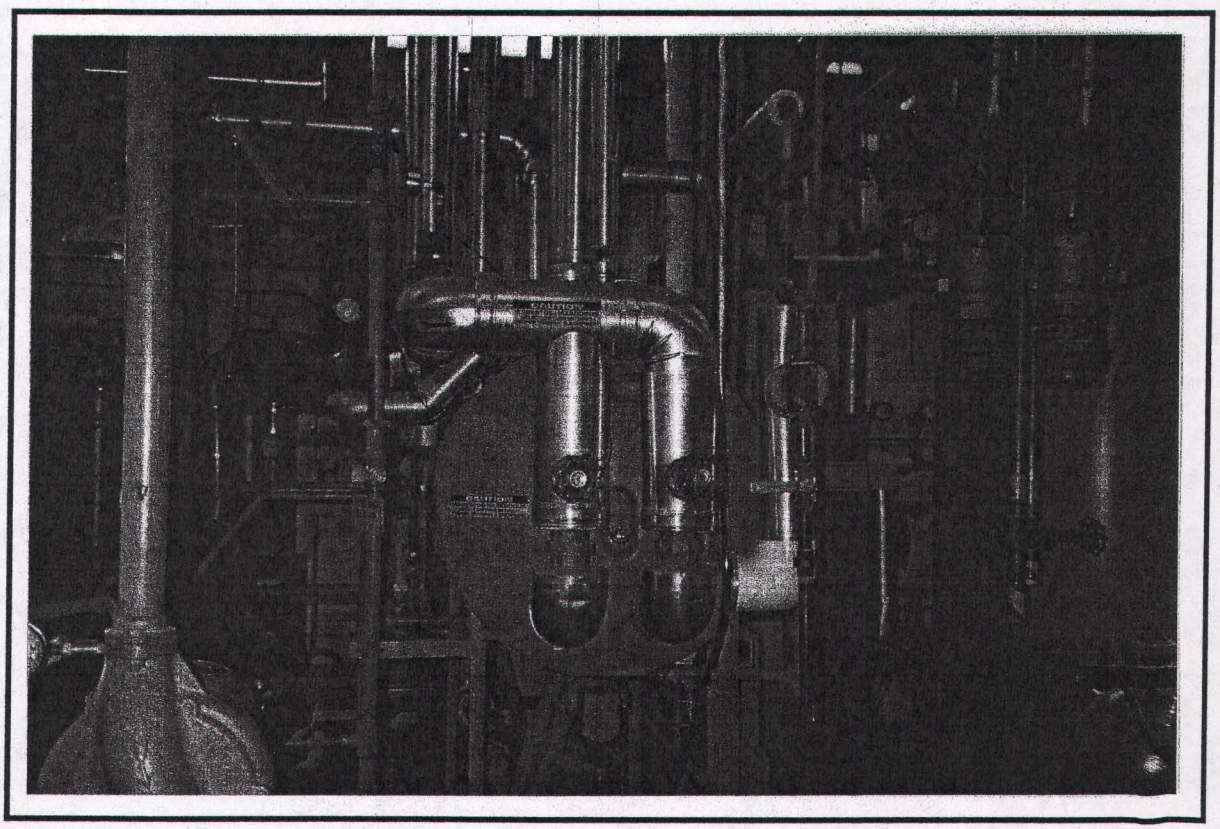
Source: Geo Data Corporation, Rev. Abbott Laboratories 6/01
Previous Phase I Report, URS, October 2001.

ERM Environmental Resources Management	SITE LAYOUT FORMER ABBOTT LABORATORIES LAURINBURG, NORTH CAROLINA	FIGURE 2

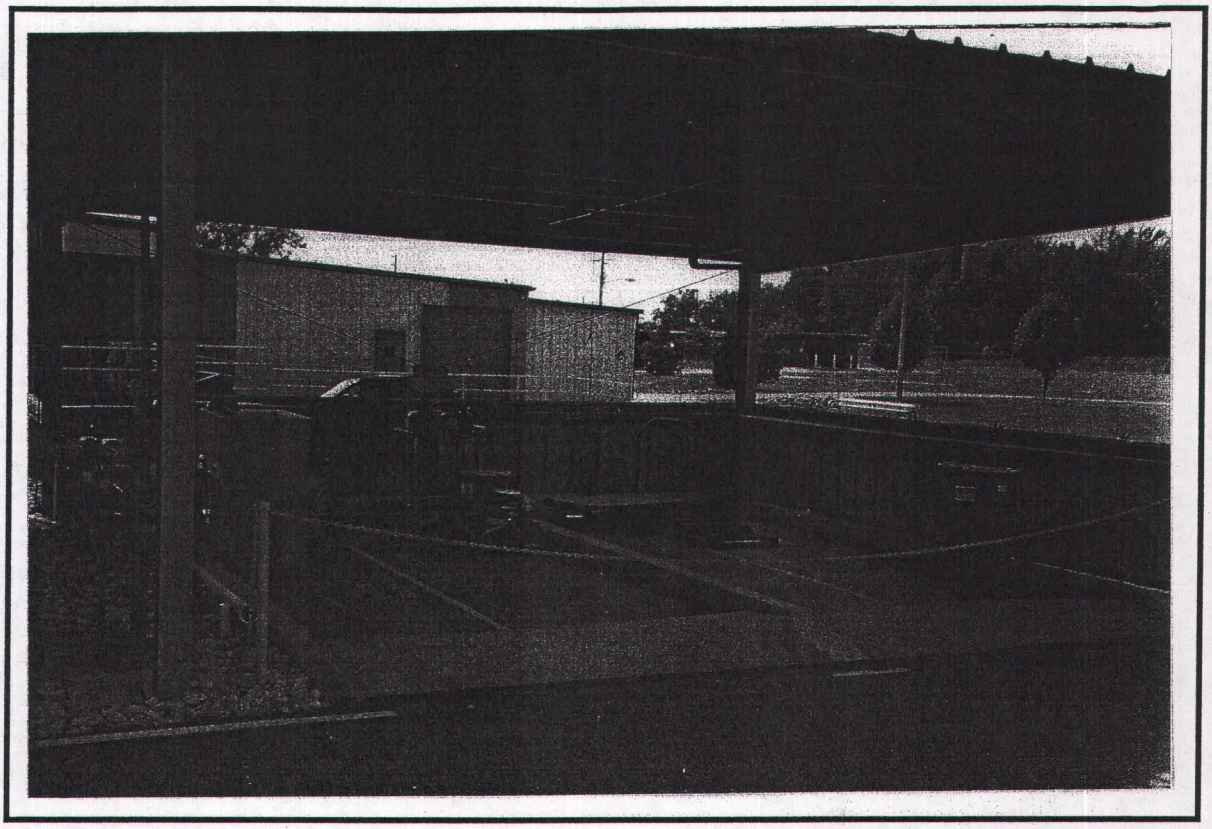
Appendix A
Site Photographs



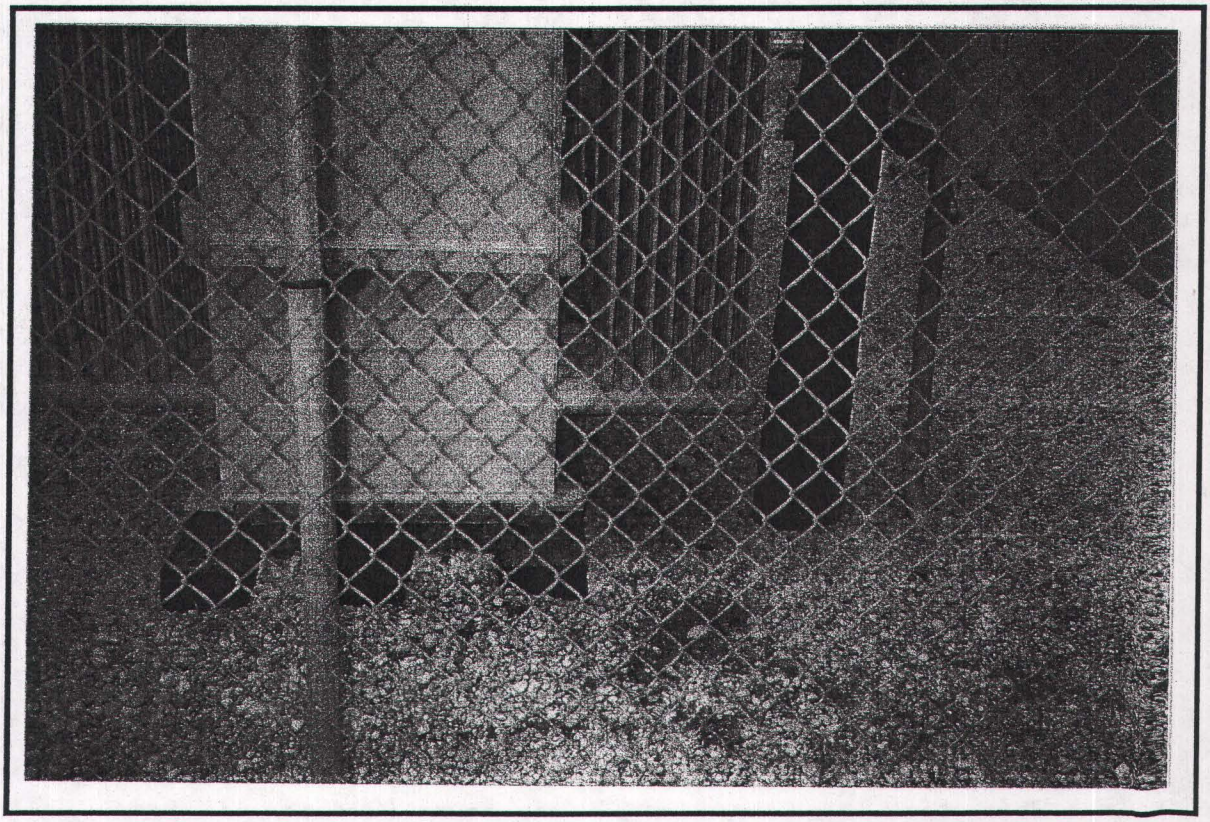
Photograph 1. View of office area from southeast portion of property facing northwest.



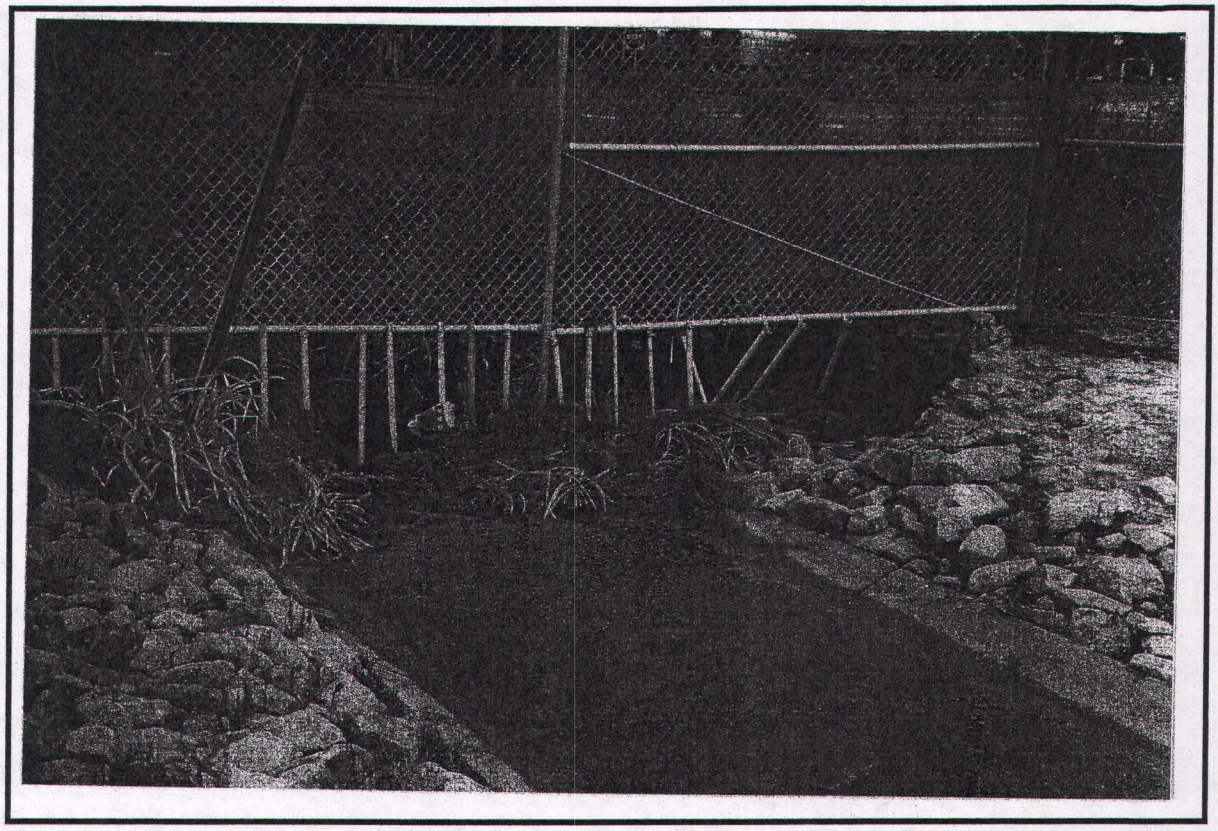
Photograph 2. View of asbestos-containing TSI observed on equipment piping inside the facility.



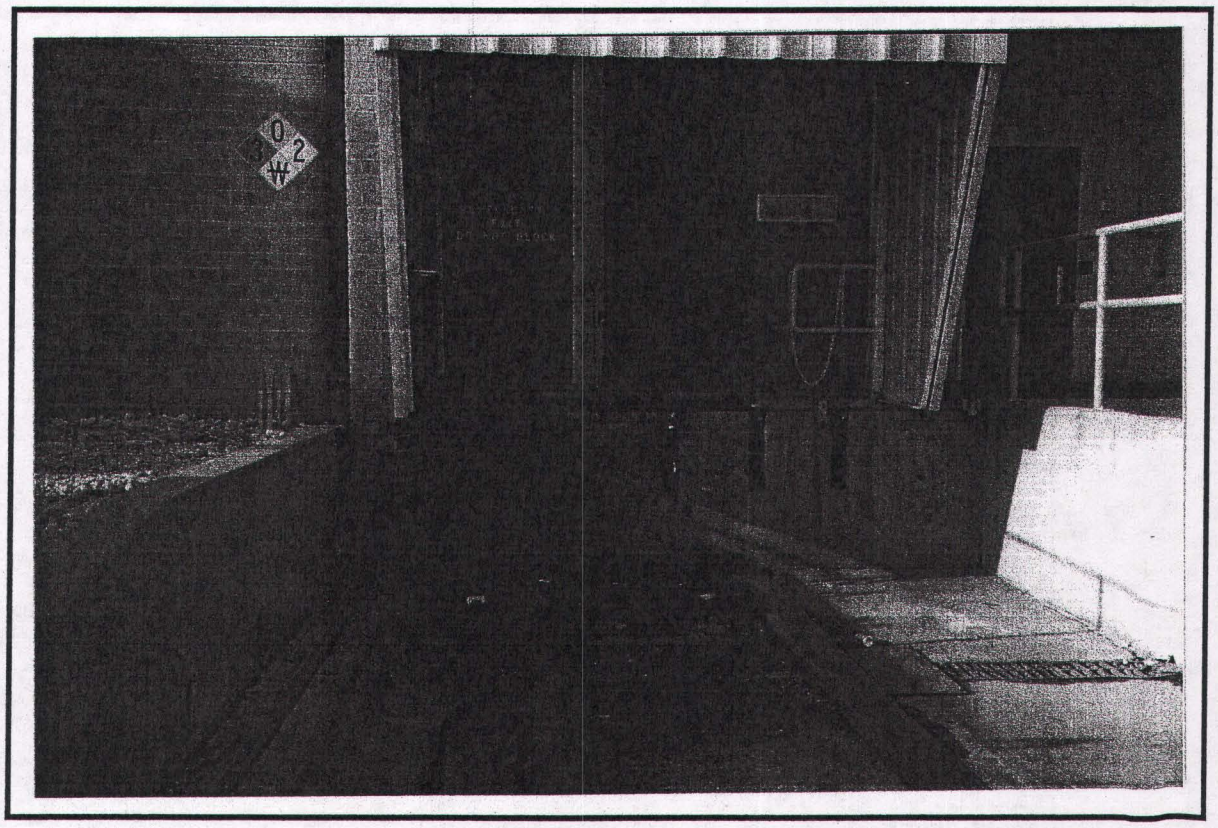
Photograph 3. View of hazardous waste shed located north of the main building.



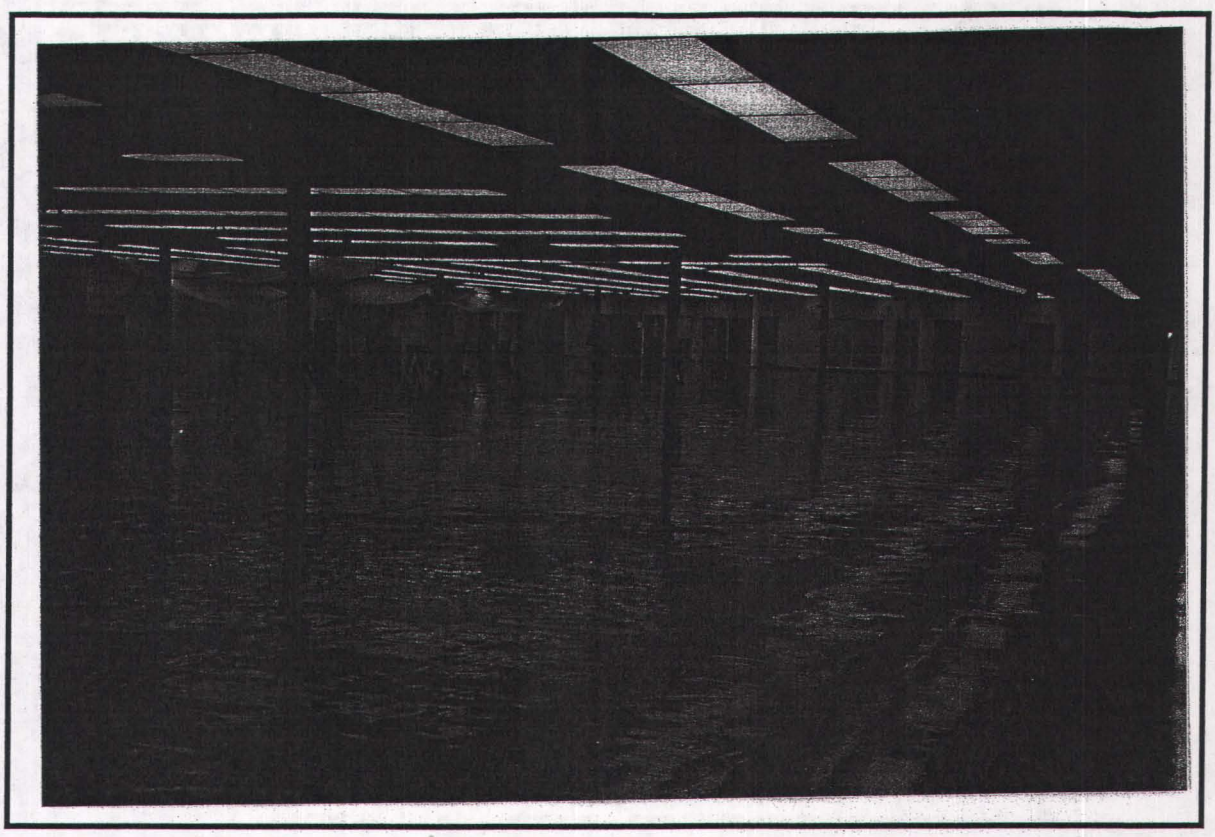
Photograph 4. View of oil stained gravel adjacent to a pad-mounted transformer located northwest of the main building.



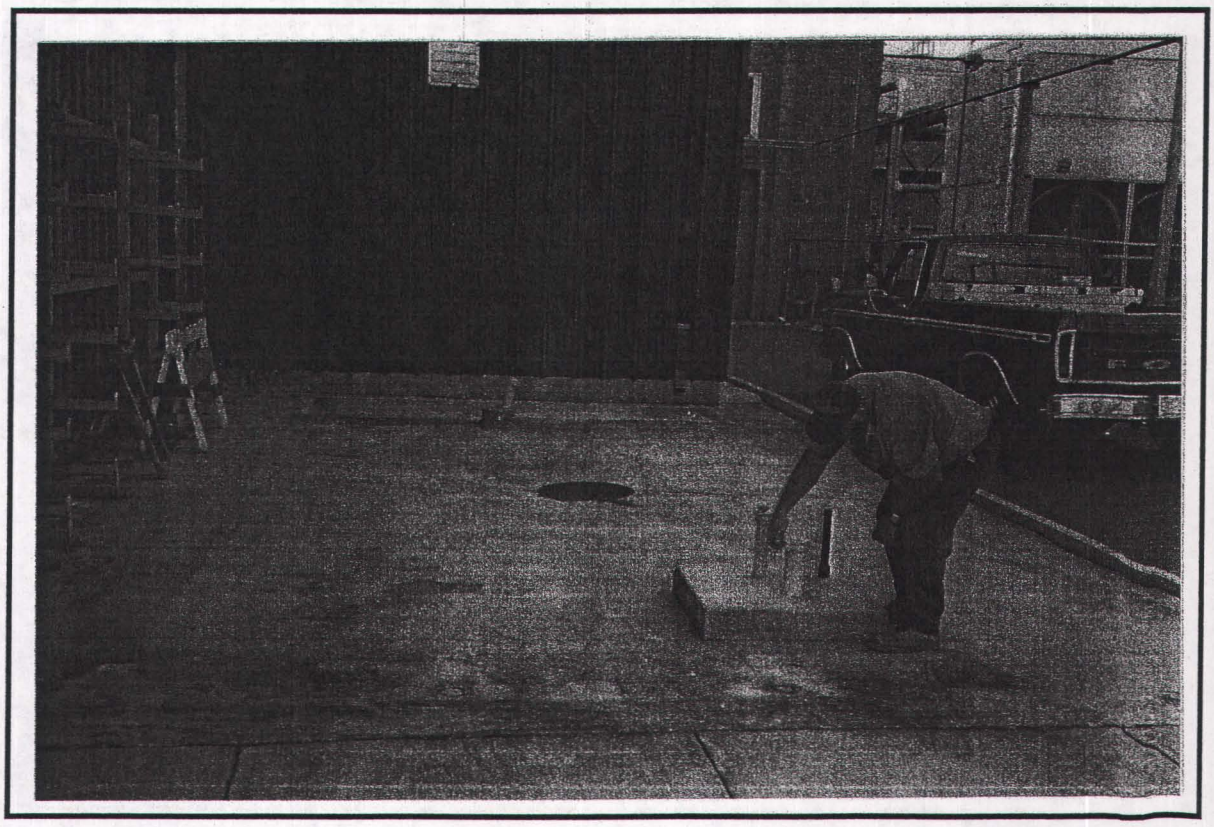
Photograph 5. View of the stormwater outfall located along the western property boundary.



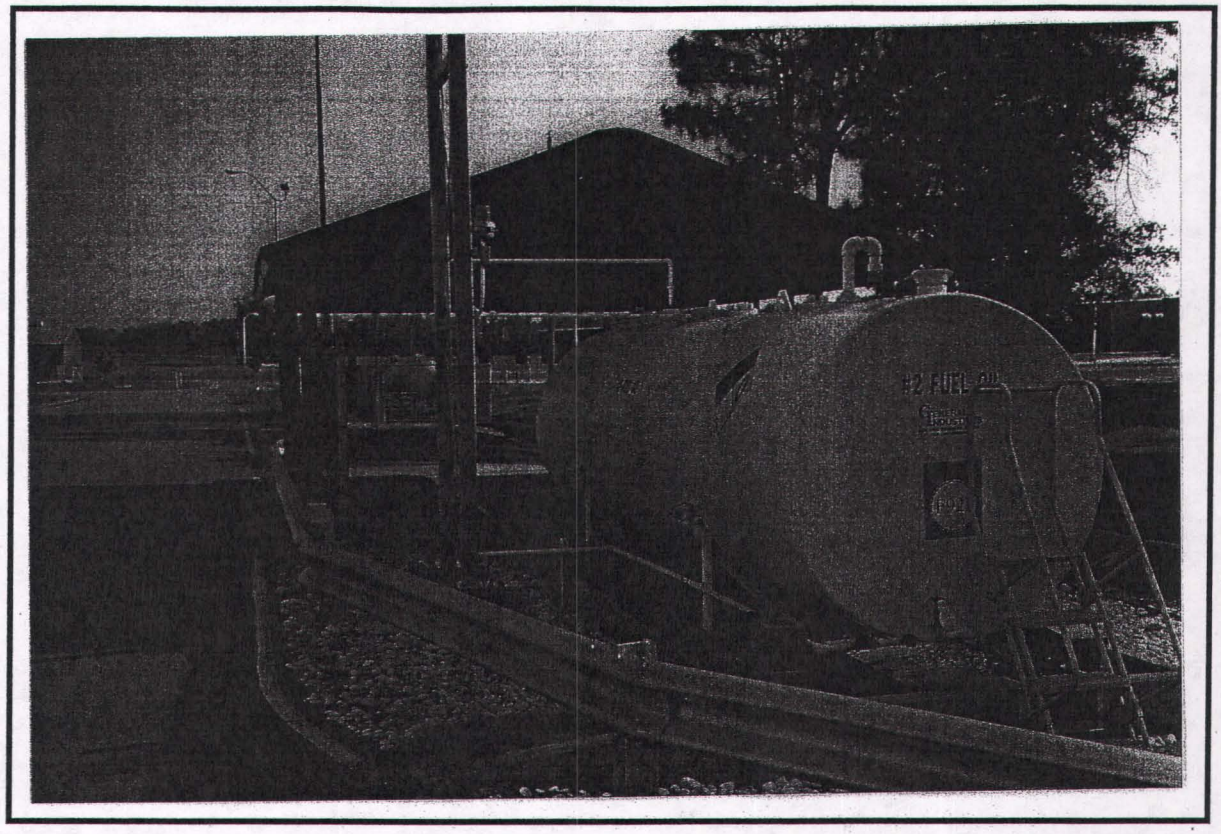
Photograph 6. View of oil stained concrete located near the northeast corner of the main building. A trash compactor was formerly located in this area.



Photograph 7. View of main manufacturing area near the northeast corner of the building.



Photograph 8. View of fill port for abandoned UST on the north side of the main building. The UST was closed in place.



Photograph 9. View of fuel oil UST on the east side of the main building.

Photograph 10. View of fuel oil release area east of the main building.

Appendix B
Tax Records

Scotland County GIS

SCOTLAND COUNTY AND THE MAPPING COMPANIES ASSUME NO LEGAL RESPONSIBILITIES FOR THE INFORMATION CONTAINED ON THIS MAP. USERS ARE ADVISED THAT THEIR USE OF ANY OF THIS INFORMATION IS AT THEIR OWN RISK.

ABBOTT LABORATORIES
16900 401 BYPASS
000005052002
SCOTLAND COUNTY (2003 REVAL) C

ABBOT LABORATORIES
FROM MCNAIR INVESTMENT CO

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 1 OF 12

APPRAISED BY 03 ON 01/01/1999 02002 RICHMOND MILLS 50.80AC 50.800AC SRC= 7MAN
TW-02 C-L EX- AT- LAST ACTION 20021017

CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG	*	6
SUBFLR*	2	SLAB ON GRADE	*	5
EX WL1*	21	FACE BRICK	*	25
RF STR*	09	BAR JOIST	*	9
RF CVR*	04	BUILT UP T&G	*	3
INT W1*	5	DRYWALL	*	26
INT W2*	6	CUSTOM	*	
FLOOR1*	07	VINYL TILE	*	5
FLOOR2*	14	CARPET	*	
FUEL *	03	GAS	*	
HEAT *	04	AIR-DUCTED	*	6
AC *	05	CHILLED WATER	*	6
COM H&A	3	SPLIT UNITS	*	
CL-INS	03	SUSP-WAL&CEIL	*	5
FIXTURES		53	*	5
FRAME *	04	MASONRY	*	6
QUAL		DESIGN*QUAL*SIZE	*	107
CUSTM		1.02 1.30 .92=	*	1.22
TOTAL QUALITY INDEX			*	131

TYP	GS	AREA	PCT	RPL CS
BAS		37,912	100	2,483,236
SRH		276	090	16,244

FIREPL 1 NONE
38,188 2,499,480

MARKET VALUE / DEPRECIATION

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW	EYB	AYB	NORM	ECO	FUN	PCT. COND
17	04	38,160	131	65.50	2,499,480	1989	1969	2300	00	00	7700

OFFICE - OFFICE CONST.
SCALE 1/107

```
+------------------360------------------+
IBAS                                     4
5                                        0
0                                     +36-+
+40-+                                 3
    I                                 8++
    6                                 +++
    0                                    ++
    I                                    SRH
    +--------181--------2                44
                        0                66
                        +----124-----++
```

CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	1,924,600
TOTAL DEPR. OB/XF VALUE	274,830
TOTAL LAND VALUE - MARKET	573,020
TOTAL MARKET VALUE - CARD	2,772,450
TOTAL APPRAISED VALUE - CARD	2,772,450
TOTAL APPRAISED VALUE - PARCEL	

RMS/FLR 71 ROOMS/FLOOR A
COM/WALL NONE
HEIGHT STANDARD

PRIOR PERMIT INFO
565,600
8,828,490
9,394,090

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q/U	V/I	INDICATED SALES PRICE
0005O	0060	01	69		U	V	153,000

NOTES
MAIN OFFICE AREAS

NEWS PAPER VALED AT $15 M ILLION

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCT COND	L/B	AYB	EYB	ANN DEPV RTE	O PCT. COND	OB/XF DEPR. VALUE
09	ASP PAVING			302,200.00	1.25	100	L	1970	1990	05	0.35	132,213
10	CON PAVING			10,900.00	2.00	100	L	1970	1990	05	0.35	7,630
65	GUARD HSE	10	10	100.00	20.00	100	L	1969	1989	03	0.58	1,160
65	GUARD HSE	5	5	25.00	20.00	100	L	1995	1995	03	0.76	380
44	YARD LTS			26.00	650.00	100	L	1986	1996	03	0.79	13,351
44	YARD LTS			15.00	440.00	100	L	1986	1996	03	0.79	5,214
44	YARD LTS			1,040.00	40.00	100	L	1983	1993	03	0.70	29,120
35	WATER TANK			250,000.00	.34	100	L	1970	2003	03	1.00	85,000
01	STORAGE	10	20	200.00	5.00	100	L	1995	1995	03	0.76	760
69	METAL BLDG	40	30	1,200.00	10.00	100	L	1980	1980	05	0.00	
	TOTAL OB/XF VALUE											274,828

BLDG AREA 38188

BUILDING DIMENSIONS
BAS=W360S50E40S60E181S20E124N3
SRH=E6N46W6S46$
N49W6N8W10S8W5N38E36N40$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES
INDUSTRIAL	06001		3970		0.960	04	2.35	RF AC LC TO OT T +10+25+75+00+25PS	5,000.00	50.800	AC	2.256	11,280.000	573,024	ACC
TOTAL LAND DATA										50800				573020	

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 2 OF 12

TRAINING/SECURITY OFFICE
C
FROM MCNAIR INVESTMENT CO
02002 RICHMOND MILLS

SCOTLAND COUNTY (2003 REVAL)

50.80AC 0.000

APPRAISED BY 03 ON 01/01/1999

TW-02 C-L EX- AT- LAST ACTION 20020711

CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG *	6
SUBFLR*	2	SLAB ON GRADE*	5
EX WL1*	21	FACE BRICK *	25
RF STR*	09	BAR JOIST *	9
RF CVR*	04	BUILT UP T&G *	3
INT W1*	5	DRYWALL *	26
INT W2*	6	CUSTOM *	
FLOOR1*	07	VINYL TILE *	5
FLOOR2*	14	CARPET *	
FUEL *	03	GAS *	
HEAT *	04	AIR-DUCTED *	6
AC *	05	CHILLED WATER*	6
COM H&A	3	SPLIT UNITS *	
CL-INS	03	SUSP-WAL&CEIL*	5
FIXTURES	1	*	1
FRAME *	04	MASONRY *	6
QUAL	DESIGN*QUAL*SIZE	*	103
CUSTM	1.02 1.30 1.02	=*1.35	
TOTAL QUALITY INDEX		*	139

MARKET VALUE

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW
17	04	5,572	139	69.50	387,254

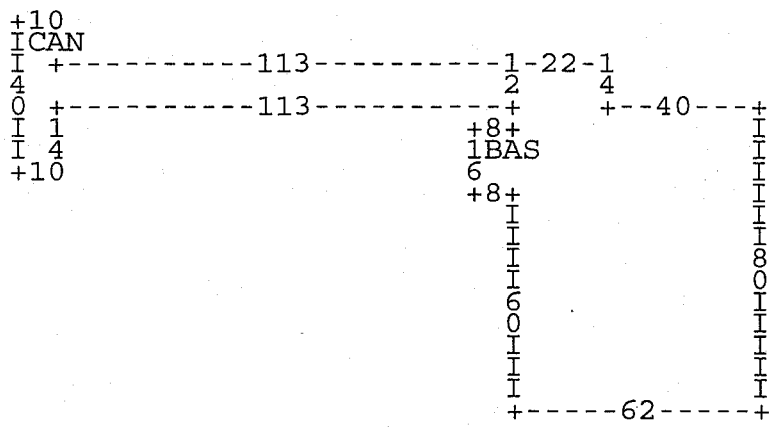
DEPRECIATION

EYB	AYB	NORM	ECO	FUN	PCT. COND
1994	1994	1300	00	00	8700

CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	336,910
TOTAL DEPR. OB/XF VALUE	25,480
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	362,390
TOTAL APPRAISED VALUE - CARD	362,390
TOTAL APPRAISED VALUE - PARCEL	

OFFICE - OFFICE CONST.
SCALE 1/568



RMS/FLR 15 ROOMS/FLOOR A
COM/WALL NONE
HEIGHT STANDARD

PRIOR PERMIT INFO

TYP	GS	AREA	PCT	RPL	CS
BAS		5,396	100	375,022	
CAN		1,756	010	12,232	

FIREPL 1 NONE
7,152 387,254

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q/U	V/I	INDICATED SALES PRICE

NOTES

OH DOORS ON METEL BLDG CA
RD ONE

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCT COND	L/B	AYB	EYB	ANNO DEPV RTER	PCT. COND	OB/XF DEPR. VALUE
42	SPRINKLER			5,396.00	1.35	100	B	1994	2003	02	1.00	7,285
24	SHED	26	24	624.00	5.00	100	L	1970	1970	05	0.00	
24	SHED	18	23	414.00	5.00	100	L	1970	1970	05	0.00	
24	SHED	73	37	2,701.00	5.00	100	L	1970	1970	05	0.00	
24	SHED	40	30	1,200.00	6.50	100	L	1970	1970	05	0.00	
24	SHED	40	30	1,200.00	6.50	100	L	1970	1970	05	0.00	
49	OH DOOR	12	12	144.00	18.00	100	B	1970	1970	03	0.01	26
49	OH DOOR	12	12	144.00	18.00	100	B	1970	1970	03	0.01	26
90	PUMP HOUSE	18	18	324.00	28.00	100	L	1970	2003	03	1.00	9,072
90	PUMP HOUSE	18	18	324.00	28.00	100	L	1970	2003	03	1.00	9,072
	TOTAL OB/XF VALUE											25,481

BLDG AREA 5396

BUILDING DIMENSIONS

BAS=W40N14W22
CAN=W113N14W10S40E10N14E113N12$
S18W8S16E8S60E62N80$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 3 OF 12

MAIN OFFICE AREA
C
FROM MCNAIR INVESTMENT CO
02002 RICHMOND MILLS

SCOTLAND COUNTY (2003 REVAL)

APPRAISED BY 03 ON 01/01/1999

50.80AC 0.000
TW-02 C-L EX- AT- LAST ACTION 20020711

CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG *	6
SUBFLR*	2	SLAB ON GRADE*	5
EX WL1*	21	FACE BRICK *	25
RF STR*	09	BAR JOIST *	9
RF CVR*	04	BUILT UP T&G *	3
INT W1*	5	DRYWALL *	26
INT W2*	6	CUSTOM *	
FLOOR1*	14	CARPET *	5
FUEL *	03	GAS *	
HEAT *	04	AIR-DUCTED *	6
AC *	05	CHILLED WATER*	6
COM H&A	3	SPLIT UNITS *	
CL-INS	03	SUSP-WAL&CEIL*	5
FIXTURES		1 *	1
FRAME *	04	MASONRY *	6
QUAL		DESIGN*QUAL*SIZE *	103
CUSTM		1.00 1.30 1.12=*	1.46
TOTAL QUALITY INDEX		*	150

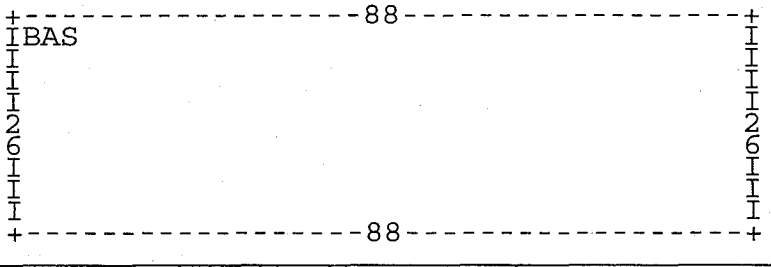
TYP	GS AREA	PCT	RPL CS
BAS	2,288	100	171,600

FIREPL 1 NONE
2,288 171,600

MARKET VALUE / DEPRECIATION

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW	EYB	AYB	NORM	ECO	FUN	PCT. COND
517	04	2,288	150	75.00	171,600	1997	1997	07	00	00	93

OFFICE - OFFICE CONST.
SCALE 1/271



CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	159,590
TOTAL DEPR. OB/XF VALUE	46,800
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	206,390
TOTAL APPRAISED VALUE - CARD	206,390
TOTAL APPRAISED VALUE - PARCEL	

RMS/FLR 15 ROOMS/FLOOR AV
COM/WALL NONE
HEIGHT STANDARD

PRIOR PERMIT INFO

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q/U	V/I	INDICATED SALES PRICE

NOTES
NEW ADDITION IN 1997-BESI
DE MAIN ENTRANCE

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCT COND	L/B	AYB	EYB	ANNO DEPV RTER	PCT. COND	OB/XF DEPR. VALUE
06	CL FENCE			6,500.00	7.20	100	L	1969	2003	05	1.00	46,800

TOTAL OB/XF VALUE 46,800

BLDG AREA 2288

BUILDING DIMENSIONS
BAS=W88S26E88N26$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 4 OF 12

MOLDING OPERATIONS
C
FROM MCNAIR INVESTMENT CO
02002 RICHMOND MILLS

SCOTLAND COUNTY (2003 REVAL)

APPRAISED BY 03 ON 01/01/1999

50.80AC 0.000
TW-02 C-L EX- AT- LAST ACTION 20020711

CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG *	8
SUBFLR*	2	SLAB ON GRADE*	8
EX WL1*	21	FACE BRICK *	38
RF STR*	09	BAR JOIST *	16
RF CVR*	04	BUILT UP T&G *	5
INT W1*	1	MASNRY/MIN *	2
FLOOR1*	04	CON TAPERED *	4
FUEL *	03	GAS *	
HEAT *	04	AIR-DUCTED *	8
AC *	05	CHILLED WATER*	8
COM H&A	3	SPLIT UNITS *	
CL-INS	11	NO CL-R/W INS*	3
FIXTURES	12	*	4
FRAME *	04	MASONRY *	13
WALL*DESIGN*QUAL*SIZE		*	117
1.38 1.00 1.30 1.03=*			1.85
CUSTM *		TOTAL QUALITY *	216

TYP	GS	AREA	PCT	RPL CS
BAS		13,588	100	939,203
MEZ		4,590	050	158,630

FIREPL 1 NONE
18,178 1,097,833

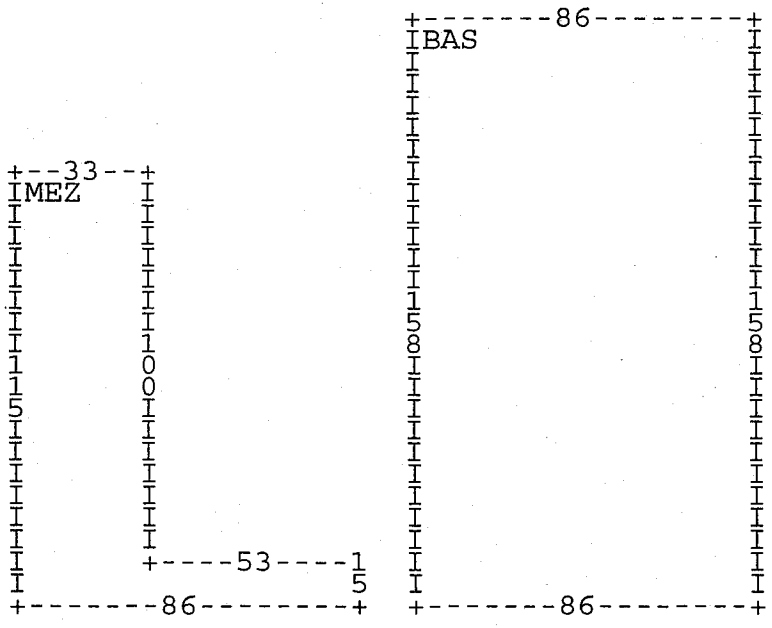
MARKET VALUE

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW
41	06	15,883	216	69.12	1,097,833

DEPRECIATION

EYB	AYB	NORM	ECO	FUN		PCT. COND
1996	1986	09	00	00		9100

LIGHT MANUFACTURING - WAREHOUSE CONSTRUCTION
SCALE 1/562



CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	999,030
TOTAL DEPR. OB/XF VALUE	18,180
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	1,017,210
TOTAL APPRAISED VALUE - CARD	1,017,210
TOTAL APPRAISED VALUE - PARCEL	

COM/WALL NONE
HEIGHT 30 FEET

PRIOR PERMIT INFO

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q U	V I	INDICATED SALES PRICE

NOTES

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCT COND	L/B	AYB	EYB	ANNO DEPR RTE	O/V	PCT. COND	OB/XF DEPR. VALUE
42	SPRINKLER			18,178.00	1.00	100	B	1986	2003	02		1.00	18,178

TOTAL OB/XF VALUE 18,178

BLDG AREA 18178

BUILDING DIMENSIONS
BAS=W86S158E86N158$
PTR=W150S43
MEZ=W33S115E86N15W53N100$ N43E150$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 5 OF 12

ROSS MANUFACTURING AREA
SCOTLAND COUNTY (2003 REVAL) C
FROM MCNAIR INVESTMENT CO 50.80AC 0.000
APPRAISED BY 03 ON 01/01/1999 02002 RICHMOND MILLS TW-02 C-L EX- AT- LAST ACTION 20020711

CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG	*	8
SUBFLR*	2	SLAB ON GRADE	*	8
EX WL1*	21	FACE BRICK	*	38
RF STR*	09	BAR JOIST	*	16
RF CVR*	04	BUILT UP T&G	*	5
INT W1*	1	MASNRY/MIN	*	2
FLOOR1*	04	CON TAPERED	*	4
FUEL *	03	GAS	*	
HEAT *	04	AIR-DUCTED	*	8
AC *	05	CHILLED WATER	*	8
COM H&A	3	SPLIT UNITS	*	
CL-INS	11	NO CL-R/W INS	*	3
FIXTURES	50		*	4
FRAME *	04	MASONRY	*	13
WALL*DESIGN*QUAL*SIZE			*	117
1.23 1.00 1.30 .94			=*	1.50
CUSTM *		TOTAL QUALITY	*	176

TYP	GS	AREA	PCT	RPL	CS
BAS		23,558	100	1,036,552	
MFG		23,616	250	2,597,760	
CLP		3,214	070	99,000	
AOF		9,120	200	802,560	
MEZ		16,800	050	369,600	

FIREPL 1 NONE
76,308 4,905,472

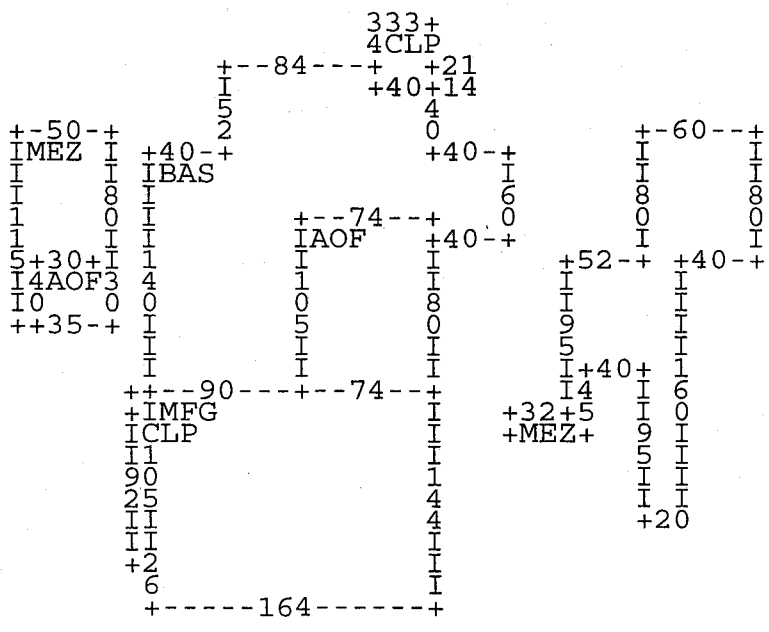
MARKET VALUE

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW
48	06	111,488	176	44.00	4,905,472

DEPRECIATION

EYB	AYB	NORM	ECO	FUN	PCT. COND
1999	1969	04	00	00	9600

WAREHOUSE - WAREHOUSE CONSTRUCTION
SCALE 1/292



CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	4,709,250
TOTAL DEPR. OB/XF VALUE	58,480
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	4,767,730
TOTAL APPRAISED VALUE - CARD	4,767,730
TOTAL APPRAISED VALUE - PARCEL	

COM/WALL NONE
HEIGHT 24 FEET

PRIOR PERMIT INFO

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q/U	V/I	INDICATED SALES PRICE

NOTES

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCI COND	L/B	AYB	EYB	ANN DEP RTE	OVR	PCT. COND	OB/XF DEPR. VALUE
42	SPRINKLER			73,094.00	.80	100	B	1969	2003	02		1.00	58,475
49	OH DOOR	9	8	72.00	18.00	100	B	1969	1969	03		0.00	
49	OH DOOR	9	8	72.00	18.00	100	B	1969	1969	03		0.00	
49	OH DOOR	9	8	72.00	18.00	100	B	1969	1969	03		0.00	
49	OH DOOR	9	8	72.00	18.00	100	B	1969	1969	03		0.00	
49	OH DOOR	9	8	72.00	18.00	100	B	1969	1969	03		0.00	

TOTAL OB/XF VALUE 58,475

BLDG AREA 73094

BUILDING DIMENSIONS

BAS=W84S52W40S140
MFG=S13 CLP=W12S13W2S92E14N105$
S131E164N144W164$
E90 AOF=E74N105W74S105$
N105E74S25E40N60W40N40W40N12$ CLP=N34E33S34E2
1S12W54N12$ PTR=W150S50 MEZ=W50S115E50N5 AOF=
N30W5N10W30S40E35$W35N40E30S10E5N80$ E150N50$
PTR=E160S40 MEZ=S80W52S95W32S15E44N45E40S95
E20N160E40N80W60$ W160N40$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 6 OF 12

DEVICE MANUFACTURING AREA
C
FROM MCNAIR INVESTMENT CO
02002 RICHMOND MILLS

SCOTLAND COUNTY (2003 REVAL)
APPRAISED BY 03 ON 01/01/1999

50.80AC 0.000
TW-02 C-L EX- AT- LAST ACTION 20020711

CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG *	8
SUBFLR*	2	SLAB ON GRADE*	84
EX WL1*	21	FACE BRICK *	38
RF STR*	09	BAR JOIST *	16
RF CVR*	04	BUILT UP T&G *	5
INT W1*	5	DRYWALL *	15
INT W2*	6	CUSTOM *	
FLOOR1*	04	CON TAPERED *	4
FUEL *	03	GAS *	
HEAT *	04	AIR-DUCTED *	8
AC *	05	CHILLED WATER*	8
COM H&A	3	SPLIT UNITS *	
CL-INS	03	SUSP-WAL&CEIL*	8
FIXTURES	5	*	1
FRAME *	04	MASONRY *	13
WALL*DESIGN*QUAL*SIZE		*	132
1.23 1.00 1.30 .98=		*	1.57
CUSTM *		TOTAL QUALITY *	207

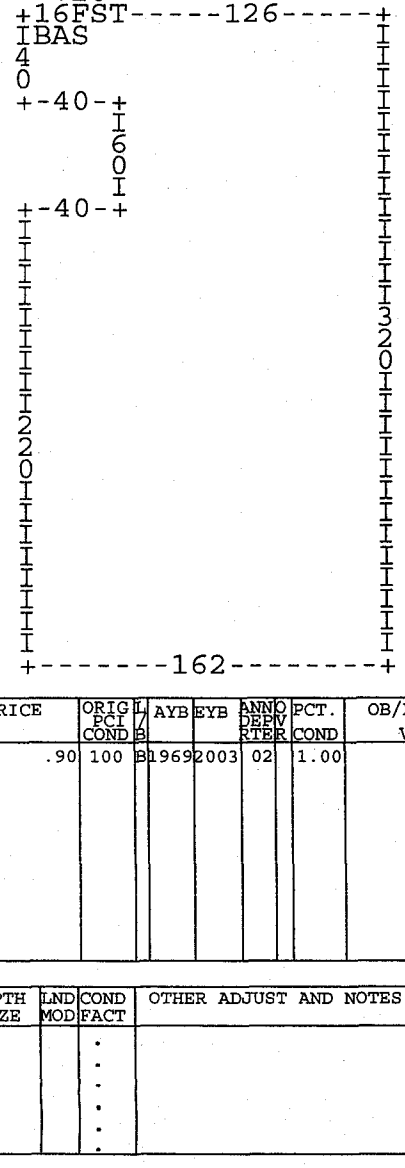
TYP	GS	AREA	PCT	RPL CS
BAS		49,440	100	2,558,520
FST		240	070	8,694

FIREPL 1 NONE
49,680 2,567,214

MARKET VALUE

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW
48	06	49,608	207	51.75	2,567,214

WAREHOUSE - WAREHOUSE CONSTRUCTION
SCALE 1/ 21



DEPRECIATION

EYB	AYB	NORM	ECO	FUN		PCT. COND
1989	1969	2300	00	00		7700

CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	1,976,760
TOTAL DEPR. OB/XF VALUE	44,500
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	2,021,260
TOTAL APPRAISED VALUE - CARD	2,021,260
TOTAL APPRAISED VALUE - PARCEL	

COM/WALL NONE
HEIGHT 24 FEET

PRIOR PERMIT INFO

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q/U	V/I	INDICATED SALES PRICE

NOTES

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCI COND	L/B	AYB	EYB	ANNO DEPV RTER	PCT. COND	OB/XF DEPR. VALUE
42	SPRINKLER			49,440.00	.90	100	B	1969	2003	02	1.00	44,496

TOTAL OB/XF VALUE 44,496

BLDG AREA 49440

BUILDING DIMENSIONS
BAS=W126 FST=N12W20S12E20$ W36S40E
40S60W40S220E162N320$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 025
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 7 OF 12

COMMODITY STAGING WHRHSE
C
FROM MCNAIR INVESTMENT CO
50.80AC 0.000

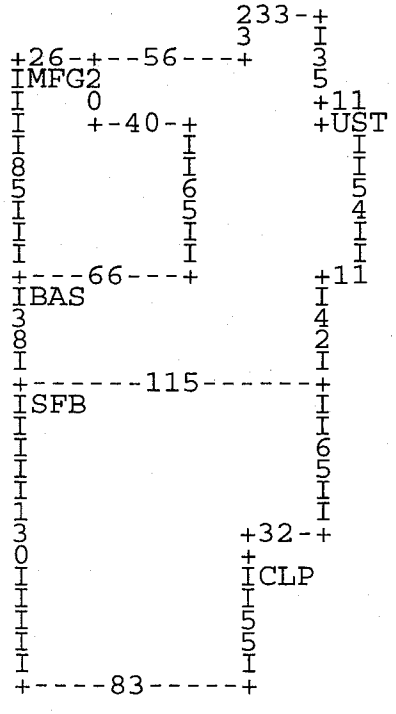
SCOTLAND COUNTY (2003 REVAL)

APPRAISED BY 03 ON 01/01/1999 02002 RICHMOND MILLS TW-02 C-L EX- AT- LAST ACTION 20020711

CONSTRUCTION DETAIL		
FOUND * 4	SPREAD FTG *	8
SUBFLR* 2	SLAB ON GRADE*	8
EX WL1* 21	FACE BRICK *	38
RF STR* 09	BAR JOIST *	16
RF CVR* 04	BUILT UP T&G *	5
INT W1* 1	MASNRY/MIN *	2
FLOOR1* 04	CON TAPERED *	4
FUEL * 03	GAS *	
HEAT * 04	AIR-DUCTED *	8
AC * 05	CHILLED WATER*	8
COM H&A 3	SPLIT UNITS *	
CL-INS 11	NO CL-R/W INS*	3
FIXTURES 10	*	3
FRAME * 04	MASONRY *	13
WALL*DESIGN*QUAL*SIZE	*	116
1.08 1.00 1.30 1.01	=*1.42	
CUSTM * TOTAL QUALITY	*	165

MARKET VALUE																		
USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW	EYB	AYB	NORM	ECO	FUN		PCT. COND	CORRELATION OF VALUE	
48	06	33,945	165	41.25	1,400,231	1998	1978	05	00	00		9500	CREDENCE TO	MARKET
													DEPR. BUILDING VALUE	1,330,220

WAREHOUSE - WAREHOUSE CONSTRUCTION
SCALE 1/849



TOTAL DEPR. OB/XF VALUE	28,870
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	1,359,090
TOTAL APPRAISED VALUE - CARD	1,359,090
TOTAL APPRAISED VALUE - PARCEL	

COM/WALL NONE
HEIGHT 18 FEET

PRIOR PERMIT INFO

TYP	GS	AREA	PCT	RPL CS
BAS		10,688	100	440,880
MFG		4,810	250	496,031
SFB		12,870	085	451,275
CLP		275	070	7,961
UST		165	060	4,084

FIREPL 1 NONE
28,808 1,400,231

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q/U	V/I	INDICATED SALES PRICE

NOTES
SFB IS NOT COOLED ONLY HE
ATED WITH SPACE HEATERS

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCI COND	L/B	AYB	EYB	ANNO DEPV RTER	PCT. COND	OB/XF DEPR. VALUE
49	OH DOOR	9	8	72.00	18.00	100	B	1970	1970	03	0.01	13
49	OH DOOR	9	8	72.00	18.00	100	B	1970	1970	03	0.01	13
49	OH DOOR	9	8	72.00	18.00	100	B	1970	1970	03	0.01	13
49	OH DOOR	9	8	72.00	18.00	100	B	1970	1970	03	0.01	13
42	SPRINKLER			32,014.00	.90	100	B	1970	2003	02	1.00	28,813
											TOTAL OB/XF VALUE	28,865

BLDG AREA 28368

BUILDING DIMENSIONS
BAS=W33S23W56
MFG=W26S85E66N65W40N20$ S20E40S65W66S38
SFB=S130E83 CLP=E5N55W5S55$ N65E32N65W115$
E115N42E11N54 UST=N15W11S15E11$ W11N50$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 8 OF 12

SHIPPING WAREHOUSE
C
FROM MCNAIR INVESTMENT CO
02002 RICHMOND MILLS

SCOTLAND COUNTY (2003 REVAL)

50.80AC 0.000
TW-02 C-L EX- AT- LAST ACTION 20020711

APPRAISED BY 03 ON 01/01/1999

CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG *	8
SUBFLR*	2	SLAB ON GRADE*	8
EX WL1*	21	FACE BRICK *	38
RF STR*	09	BAR JOIST *	16
RF CVR*	04	BUILT UP T&G *	5
INT W1*	1	MASNRY/MIN *	2
FLOOR1*	04	CON TAPERED *	4
FUEL *	03	GAS *	
HEAT *	04	AIR-DUCTED *	8
AC *	05	CHILLED WATER*	8
COM H&A	3	SPLIT UNITS *	
CL-INS	11	NO CL-R/W INS*	3
FIXTURES	2	*	4
FRAME *	04	MASONRY *	13
WALL*DESIGN*QUAL*SIZE		*	117
1.08	1.00	1.10 1.19=*	1.41
ABAVG *		TOTAL QUALITY *	165

MARKET VALUE / DEPRECIATION

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW	EYB	AYB	NORM	ECO	FUN		PCT. COND
48	06	3,485	165	41.25	143,757	1994	1994	13	00	00		8700

WAREHOUSE - WAREHOUSE CONSTRUCTION
SCALE 1/252

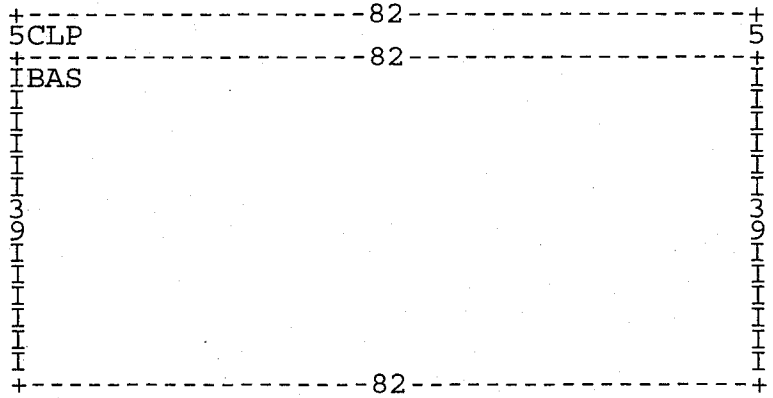
CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	125,070
TOTAL DEPR. OB/XF VALUE	7,300
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	132,370
TOTAL APPRAISED VALUE - CARD	132,370
TOTAL APPRAISED VALUE - PARCEL	

COM/WALL NONE
HEIGHT 18 FEET

TYP	GS AREA	PCT	RPL CS
BAS	3,198	100	131,918
CLP	410	070	11,839

FIREPL 1 NONE
3,608 143,757



PRIOR PERMIT INFO

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	O/U	V/I	INDICATED SALES PRICE

NOTES

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCT COND	L/B	AYB	EYB	ANN DEPR RTE	OBV	PCT. COND	OB/XF DEPR. VALUE
49	OH DOOR	9	8	72.00	18.00	100	B	1994	1994	03		0.73	946
49	OH DOOR	9	8	72.00	18.00	100	B	1994	1994	03		0.73	946
49	OH DOOR	9	8	72.00	18.00	100	B	1994	1994	03		0.73	946
49	OH DOOR	9	8	72.00	18.00	100	B	1994	1994	03		0.73	946
42	SPRINKLER			3,198.00	1.10	100	B	1994	2003	02		1.00	3,518

TOTAL OB/XF VALUE 7,302

BLDG AREA 3198

BUILDING DIMENSIONS

BAS=W82
CLP=N5E82S5W82$
S39E82N39$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES
ABBOTT

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty
ID NO: 0009520
CARD NO. 9 OF 12

MODULAR OFFICE
C
SCOTLAND COUNTY (2003 REVAL)
FROM MCNAIR INVESTMENT CO
50.80AC 0.000
APPRAISED BY 03 ON 01/01/1999 02002 RICHMOND MILLS
TW-02 C-L EX- AT- LAST ACTION 20010920

CONSTRUCTION DETAIL

FOUND *	3	CONT FOOTING *	4
SUBFLR*	4	PLYWOOD *	9
EX WL1*	10	ALUM/VINYL *	18
RF STR*	07	WOOD TRUSS *	7
RF CVR*	02	ROLLED COMP *	1
INT W1*	5	DRYWALL *	22
FLOOR1*	08	SHEET VINYL *	5
FLOOR2*	14	CARPET *	
FUEL *	04	ELECTRIC *	
HEAT *	10	HEAT PUMP *	6
AC *	03	CENTRAL *	6
COM H&A	2	PACKAGED UNIT*	
CL-INS	07	NOT SUSP-C&W *	4
FIXTURES		2 *	4
FRAME *	02	WOOD FRAME *	5
QUAL		DESIGN*QUAL*SIZE *	91
AVG		1.02 1.00 1.15=*	1.17
TOTAL QUALITY INDEX		*	106

TYP	GS AREA	PCT	RPL CS
BAS	1,680	100	89,040
FOP	245	030	3,922

FIREPL 1 NONE
1,925 92,962

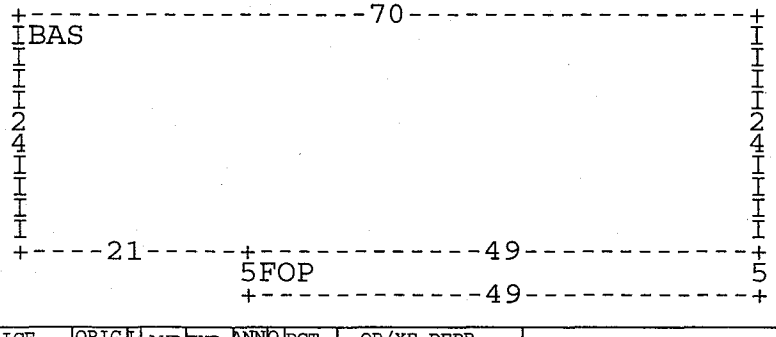
MARKET VALUE

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW
917	04	1,754	106	53.00	92,962

DEPRECIATION

EYB	AYB	NORM	ECO	FUN	PCT. COND
1988	1988	2500	00	00	7500

OFFICE - OFFICE CONST.
SCALE 1/214



CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	69,720
TOTAL DEPR. OB/XF VALUE	
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	69,720
TOTAL APPRAISED VALUE - CARD	69,720
TOTAL APPRAISED VALUE - PARCEL	

RMS/FLR	07 ROOMS/FLOOR AV
COM/WALL	NONE
HEIGHT	STANDARD

PRIOR PERMIT INFO

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q/U	V/I	INDICATED SALES PRICE

NOTES

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCT COND	L/B	AYB	EYB	ANN DEPR RTE	OV/R	PCT. COND	OB/XF DEPR. VALUE

TOTAL OB/XF VALUE

BLDG AREA 1680

BUILDING DIMENSIONS

BAS=W70S24E21
FOP=S5E49N5W49$
E49N24$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

ABBOTT LABORATORIES

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty

SHOP BUILDING
C
FROM MCNAIR INVESTMENT CO

ID NO:
CARD NO. 10 OF 12

SCOTLAND COUNTY (2003 REVAL)

50.80AC 0.000

APPRAISED BY 03 ON 01/01/1999 02002 RICHMOND MILLS

TW-02 C-L EX- AT- LAST ACTION 20020711

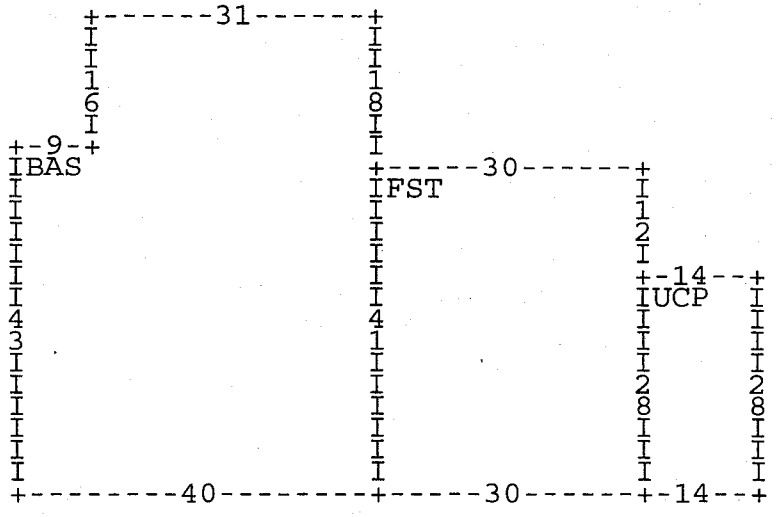
CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG *	8
SUBFLR*	2	SLAB ON GRADE*	8
EX WL1*	24	MODULAR METAL*	20
RF STR*	10	STEEL FRAME *	18
RF CVR*	01	CORR/SHT MET *	3
INT W1*	1	MASNRY/MIN *	2
FLOOR1*	03	CONCRETE FIN *	2
FUEL *	03	GAS *	
HEAT *	04	AIR-DUCTED *	8
AC *	03	CENTRAL *	8
COM H&A	3	SPLIT UNITS *	
CL-INS	11	NO CL-R/W INS*	3
FIXTURES	1	*	4
FRAME *	03	PRE-FAB *	8
WALL*DESIGN*QUAL*SIZE		*	92
1.00 1.00 1.00 1.21=		*1.21	
AVG * TOTAL QUALITY		*	111

MARKET VALUE / DEPRECIATION

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW	EYB	AYB	NORM	ECO	FUN	PCT. COND
48	06	3,195	111	27.75	88,662	1988	1978	25	00	00	7500

WAREHOUSE - WAREHOUSE CONSTRUCTION
SCALE 1/258



TYP	GS	AREA	PCT	RPL CS
BAS		2,216	100	61,494
FST		1,230	070	23,893
UCP		392	030	3,275

FIREPL 1 NONE
3,838 88,662

CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	66,500
TOTAL DEPR. OB/XF VALUE	3,790
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	70,290
TOTAL APPRAISED VALUE - CARD	70,290
TOTAL APPRAISED VALUE - PARCEL	

COM/WALL NONE
HEIGHT STANDARD

PRIOR PERMIT INFO

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	Q/U	V/I	INDICATED SALES PRICE

NOTES

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCT COND	L/B	AYB	EYB	ANN DEPV RTE	OVR	PCT. COND	OB/XF DEPR. VALUE
42	SPRINKLER			3,446.00	1.10	100	B	1978	2003	02		1.00	3,791

TOTAL OB/XF VALUE 3,791

BLDG AREA 2216

BUILDING DIMENSIONS

BAS=W31S16W9S43E40
FST=E30N1
UCP=E14N28W14S28$ N40W30S41$ N59$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 029
Twp Map Sb Bk Par Sp Udv Cty

RECIEVING WAREHOUSE #2
C
FROM MCNAIR INVESTMENT CO

ID NO:
CARD NO. 11 OF 12
50.80AC 0.000

SCOTLAND COUNTY (2003 REVAL)

APPRAISED BY 03 ON 01/01/1999 02002 RICHMOND MILLS TW-02 C-L EX- AT- LAST ACTION 20020711

CONSTRUCTION DETAIL

FOUND *	4	SPREAD FTG *	8
SUBFLR*	2	SLAB ON GRADE*	8
EX WL1*	02	CORR MET-LGT *	7
RF STR*	09	BAR JOIST *	16
RF CVR*	12	MOD MET/MET *	6
INT W1*	1	MASNRY/MIN *	2
FLOOR1*	03	CONCRETE FIN *	2
FUEL *	03	GAS *	
HEAT *	03	AIR-NOT DUCT *	4
AC *	01	NONE *	
COM H&A	1	NONE *	
CL-INS	11	NO CL-R/W INS*	3
FIXTURES		10 *	1
FRAME *	06	STEEL *	15
WALL*DESIGN*QUAL*SIZE		*	72
1.00 1.00 1.30 .96=*1.25			
CUSTM *		TOTAL QUALITY *	90

MARKET VALUE / DEPRECIATION

USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW	EYB	AYB	NORM	ECO	FUN	PCT. COND
48	06	70,311	90	22.50	1,581,998	1987	1987	27	00	00	7300

WAREHOUSE - WAREHOUSE CONSTRUCTION
SCALE 1/384

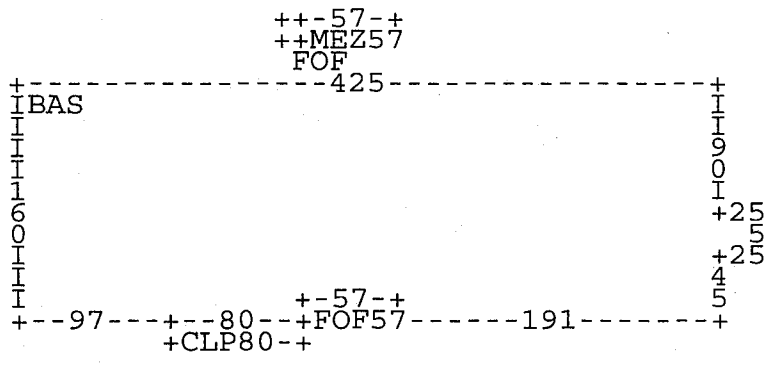
CORRELATION OF VALUE

CREDENCE TO	MARKET
DEPR. BUILDING VALUE	1,154,860
TOTAL DEPR. OB/XF VALUE	159,880
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	1,314,740
TOTAL APPRAISED VALUE - CARD	1,314,740
TOTAL APPRAISED VALUE - PARCEL	

COM/WALL NONE
HEIGHT STANDARD

PRIOR PERMIT INFO

TYP	GS	AREA	PCT	RPL CS
BAS		67,770	100	1,524,825
CLP		800	070	12,600
FOF		1,035	150	34,943
MEZ		855	050	9,630



FIREPL 1 NONE
70,460 1,581,998

SALES DATA

OFF. RECORD BOOK	PAGE	DATE MO	YR	TYPE FIN.	O/U	V/I	INDICATED SALES PRICE

NOTES

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCI COND	L/B	AYB	EYB	ANNO DEPV RTER	PCT. COND	OB/XF DEPR. VALUE
49	OH DOOR	9	8	72.00	18.00	100	B	1987	1997	03	0.82	1,063
49	OH DOOR	9	8	72.00	18.00	100	B	1987	1997	03	0.82	1,063
49	OH DOOR	9	8	72.00	18.00	100	B	1987	1997	03	0.82	1,063
49	OH DOOR	9	8	72.00	18.00	100	B	1987	1997	03	0.82	1,063
49	OH DOOR	9	8	72.00	18.00	100	B	1987	1997	03	0.82	1,063
49	OH DOOR	9	8	72.00	18.00	100	B	1987	1997	03	0.82	1,063
42	SPRINKLER			69,660.00	.80	100	B	1987	2003	02	1.00	55,728
10	CON PAVING			3,500.00	2.00	100	L	1987	1997	05	0.70	4,900
09	ASP PAVING			132,000.00	1.00	100	L	1987	1997	05	0.70	92,400
65	GUARD HSE	5	5	25.00	25.00	100	L	1995	1995	03	0.76	475
	TOTAL OB/XF VALUE											159,881

BLDG AREA 69660

BUILDING DIMENSIONS

BAS=W425S160E97
CLP=S10E80N10W80$ E80
FOF=E57N15W57S15$ N15E57S15E191N45E25N25W25N90$
PTR=N50W191
MEZ=W57 FOF=W15S12E15N12$ S15E57N15$
S50E191$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES

TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

ABBOTT LABORATORIES

02 0305 01 029

Twp Map Sb Bk Par Sp Udv Cty

SCOTLAND COUNTY (2003 REVAL) C — RECIEVING WAREHOUSE #1 — ID NO:

FROM MCNAIR INVESTMENT CO — CARD NO. 12 OF 12

50.80AC 0.000

APPRAISED BY 03 ON 01/01/1999 02002 RICHMOND MILLS — TW-02 C-L EX- AT- LAST ACTION 20020711

CONSTRUCTION DETAIL				
FOUND *	4	SPREAD FTG	*	8
SUBFLR*	2	SLAB ON GRADE	*	8
EX WL1*	02	CORR MET-LGT	*	7
RF STR*	09	BAR JOIST	*	16
RF CVR*	12	MOD MET/MET	*	6
INT W1*	1	MASNRY/MIN	*	2
FLOOR1*	03	CONCRETE FIN	*	2
FUEL *	03	GAS	*	
HEAT *	03	AIR-NOT DUCT	*	4
AC *	01	NONE	*	
COM H&A	1	NONE	*	
CL-INS	11	NO CL-R/W INS	*	3
FIXTURES		12	*	2
FRAME *	06	STEEL	*	15
WALL*DESIGN*QUAL*SIZE			*	73
1.13	1.00	1.30 .98=	*	1.44
CUSTM *		TOTAL QUALITY	*	105

TYP	GS AREA	PCT	RPL CS
BAS	35,770	100	938,963
GOF	4,230	250	277,594
CLP	416	070	7,639
MEZ	2,031	050	26,670
FOF	2,149	150	84,630

FIREPL 1 NONE

44,596 1,335,496

MARKET VALUE						DEPRECIATION						
USE	MOD	EFF. AREA	QUAL	BASE RATE	REPL. COST NEW	EYB	AYB	NORM	ECO	FUN		PCT. COND
48	06	50,876	105	26.25	1,335,496	1986	1986	29	00	00		7100

WAREHOUSE - WAREHOUSE CONSTRUCTION

SCALE 1/772

```
+24-+----71----+
IFOF+---59---1 I
3            3 4
6       122-+  4
I         4    I
+---61---+-34--+
+MEZ-----------------250-----------------+
IBAS                                     I
I                                        I
I                                        I
I                                        I
I                                        I
I                                        I
1                                        I
1                                        I
5                                        1
I                                        6
I                                        0
I                                        I
I                                        I
I                                        I
+------94------+                         I
IGOF           I                         I
4              4                         I
5              5                         I
I              I                         I
+------94------+--52---+------104-------+
               +CLP-52-+
```

CORRELATION OF VALUE	
CREDENCE TO	MARKET
DEPR. BUILDING VALUE	948,200
TOTAL DEPR. OB/XF VALUE	44,350
TOTAL LAND VALUE - MARKET	
TOTAL MARKET VALUE - CARD	992,550
TOTAL APPRAISED VALUE - CARD	992,550
TOTAL APPRAISED VALUE - PARCEL	15,086,190

COM/WALL NONE
HEIGHT 20 FEET

PRIOR PERMIT INFO

SALES DATA								
OFF. RECORD		DATE		TYPE	Q/U	V/I	INDICATED
BOOK	PAGE	MO	YR	FIN.			SALES PRICE

NOTES

CODE	DESCRIPTION	LTH	WTH	UNITS	UNIT PRICE	ORIG PCI COND	L/B	AYB	EYB	ANNO DEPV RTE	R	PCT. COND	OB/XF DEPR. VALUE
49	OH DOOR	9	8	72.00	18.00	100	B	1986	1986	03		0.49	635
49	OH DOOR	9	8	72.00	18.00	100	B	1986	1986	03		0.49	635
49	OH DOOR	9	8	72.00	18.00	100	B	1986	1986	03		0.49	635
49	OH DOOR	9	8	72.00	18.00	100	B	1986	1986	03		0.49	635
49	OH DOOR	9	8	72.00	18.00	100	B	1986	1986	03		0.49	635
49	OH DOOR	9	8	72.00	18.00	100	B	1986	1986	03		0.49	635
42	SPRINKLER			43,492.00	.90	100	B	1986	2003	02		1.00	39,143
10	CON PAVING			3,500.00	2.00	100	L	1987	1987	05		0.20	1,400
	TOTAL OB/XF VALUE												44,353

BLDG AREA 44180

BUILDING DIMENSIONS

BAS=W250S115
GOF=S45E94N45W94$ E94S45
CLP=S8E52N8W52$ E156N160$
PTR=N50W156
MEZ=W71 FOF=W24S36E61N14E22N13W59N9$
S9E59S13W22S14W61S8E95N44$ S50E156$.

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH /SIZE	LND MOD	COND FACT	OTHER ADJUST AND NOTES	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	LAND NOTES
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TOTAL LAND DATA

PUBLIC.TAXDEPT MON, JUL 7, 2003, 9:54 AM

Appendix C
EDR Database Report

The EDR Radius Map
with GeoCheck®

Abbott Laboratories
16900 N US 15/401 Bypass
Laurinburg, NC 28352

Inquiry Number: 11006748.2p

July 03, 2003

Environmental Data Resources, Inc.

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-11

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

16900 N US 15/401 BYPASS
LAURINBURG, NC 28352

COORDINATES

Latitude (North):	34.799500 - 34' 47' 58.2"
Longitude (West):	79.455600 - 79' 27' 20.2"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	641281.2
UTM Y (Meters):	3851698.8
Elevation:	227 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	2434079-G4 LAURINBURG, NC
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ABBOTT LABORATORIES HWY. 401/15 & 501 LAURINBURG, NC 28352	UST	N/A
ABBOTT LABORATORIES JUNCTION HWY 401 & 501 LAURINBURG, NC 28352	SHWS FINDS RCRIS-LQG TRIS VCP	28352BBTTLHW
ABBOTT LABS S 401 N. INTERCHANGE LAURINBURG, NC	IMD LUST	N/A
ABBOTT LABS , NC	NC HSDS	N/A
ABBOTT LABORATORIES HIGHWAY 401 AND 15/501 SOUTH LAURINBURG, NC 28352	FINDS	110008460744

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-SQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF..... List of Solid Waste Facilities
OLL..... Old Landfill Inventory
INDIAN UST..... Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
DOD..... Department of Defense Sites
RAATS..... RCRA Administrative Action Tracking System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... AST Database
LUST TRUST..... State Trust Fund Database

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

Brownfields..... Brownfields Projects Inventory

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

FEDERAL ASTM STANDARD

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

A review of the CERCLIS list, as provided by EDR, and dated 03/19/2003 has revealed that there is 1 CERCLIS site within approximately 0.625 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
REA MAGNET WIRE CO	***OLD LAUREL HILL CHURCH***	***1/2 - 1 W***	***12***	***23***

STATE ASTM STANDARD

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 03/07/2003 has revealed that there are 2 LUST sites within approximately 0.625 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
HWY 74 BYPASS PUMP STATION	***DANA DRIVE***	***1/4 - 1/2 E***	***B10***	***22***

Lower Elevation	Address	Dist / Dir	Map ID	Page
REA MAGNET WIRE CO	***OLD LAUREL HILL CHURCH***	***1/2 - 1 W***	***12***	***23***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 02/11/2003 has revealed that there are 4 UST sites within approximately 0.375 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
STEVEN'S SELF SERVICE	501 NORTH	1/8 - 1/4 WSW	6	11
RYDER TRUCK RENTAL #0633	17420 ABERDEEN RD.	1/8 - 1/4 NW	8	15
74 BY-PASS PUMP STATION	DANA DRIVE	1/4 - 1/2 E	B9	21

Lower Elevation	Address	Dist / Dir	Map ID	Page
HYER MOTOR CARS	PLANT RD (HWY 501 & SR	1/8 - 1/4 WNW	7	13

STATE OR LOCAL ASTM SUPPLEMENTAL

HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 06/21/1995 has revealed that there are 2 NC HSDS sites within approximately 1.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TOASTMASTER INCORPORATED		1/4 - 1/2 WNW	11	23

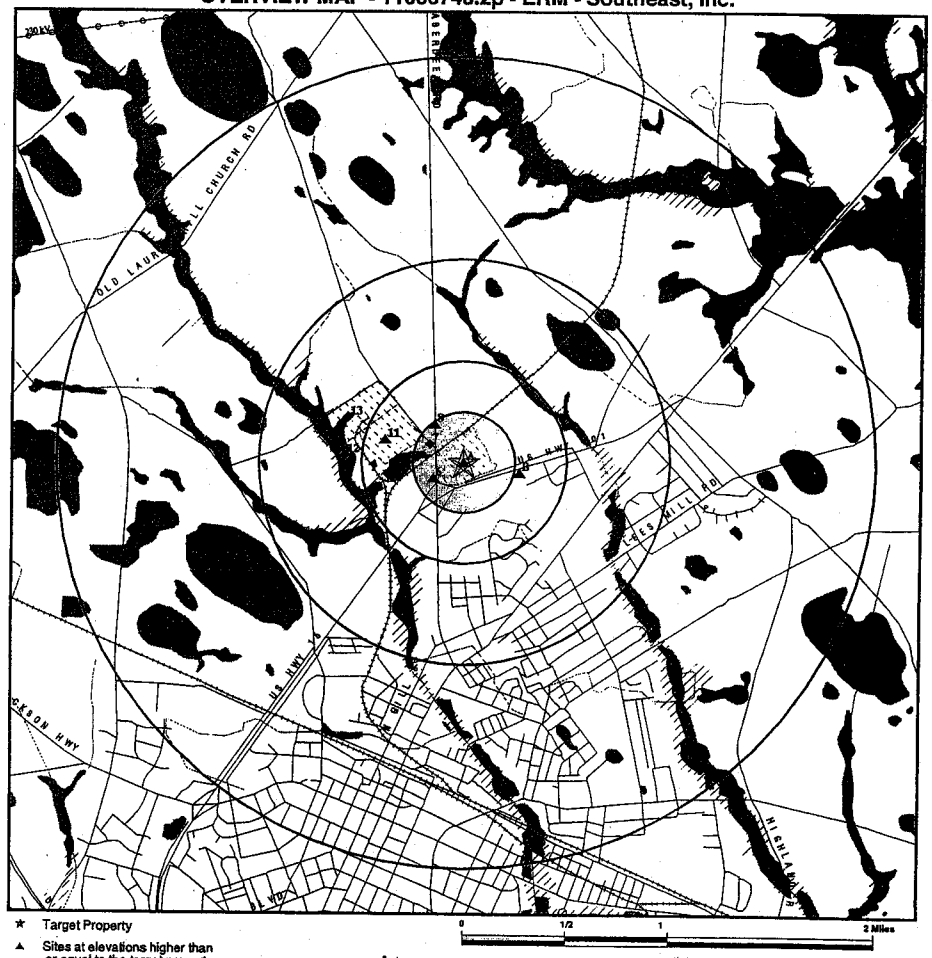
Lower Elevation	Address	Dist / Dir	Map ID	Page
REA MAGNET WIRE CO		1/2 - 1 WNW	13	27

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
PLANT MANAGERS PROPERTY	SHWS
HELENA CHEMICAL COMPANY	SHWS
REA MAGNET WIRE COMPANY	SHWS
TOASTMASTER, INCORPORATED	SHWS
SCOTLAND COUNTY ACB SITE	SWF/LF
STEVE MATHEWS EXXON/CAMO SHOP	IMD, LUST
N. MAIN-FORMER EXXON STATION	IMD, LUST
MACS MINI MART	LUST
SOUTHEAST FARM EQUIPMENT	IMD, LUST
AT&T LAURINBURG POP	IMD, LUST
ROYSTER CO.	IMD, LUST
SERVICE OIL-BULK STORAGE FAC.	IMD, LUST
SERVCO #02611	LUST
RYDER TRUCK RENTAL, INC.	LUST TRUST
YELLOW FREIGHT SYSTEM. INC.	UST
COLONIAL MOTOR FREIGHT LINE	UST
STONE FARMS. INC.	UST
JOHN CARMICHAEL FARMS	UST
J.D. CARMICHAEL FARMS	UST
CONVENIENT FOOD MART #5410	UST
SERVICE DISTRIBUTING CO.. INC	IMD, UST
PINE STATE CREAMERY COMPANY	UST
KEE GARD (SERV OIL CO PLANT)	UST
S. BELL-LRBGNCWE/AUTO OPRNS R	UST
LAURINBURG 2	UST
LAURINBURG POP	UST
NORTHUP KIN CO.	UST
STOP & SHOP	UST
LOF GLASS INC (PLT 75)	AST
RYDER TRUCK RENTAL	RCRIS-SQG, FINDS
HYER MOTOR CARS INC	RCRIS-SQG, FINDS
A J METLER HAULING	RCRIS-SQG, FINDS
INDEPENDENT FLEET SERVICES INC	RCRIS-SQG, FINDS
BELLSOUTH TELECOMMUNICATIONS	RCRIS-SQG, FINDS
PILKINGTON-LIBBY OWEN FORD	IMD
SCOTLAND COUNTY COMM. DUMP	OLI
TERRA INTERNATIONAL INC	SSTS

OVERVIEW MAP - 11006748.2p - ERM - Southeast, Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Hazardous Substance Disposal Sites

TARGET PROPERTY:	Abbott Laboratories	CUSTOMER:	ERM - Southeast, Inc.
ADDRESS:	16900 N US 15/401 Bypass	CONTACT:	Rick Tarravechia
CITY/STATE/ZIP:	Laurinburg NC 28352	INQUIRY #:	11006748.2p
LAT/LONG:	34.7995 / 79.4556	DATE:	July 03, 2003 4:06 pm

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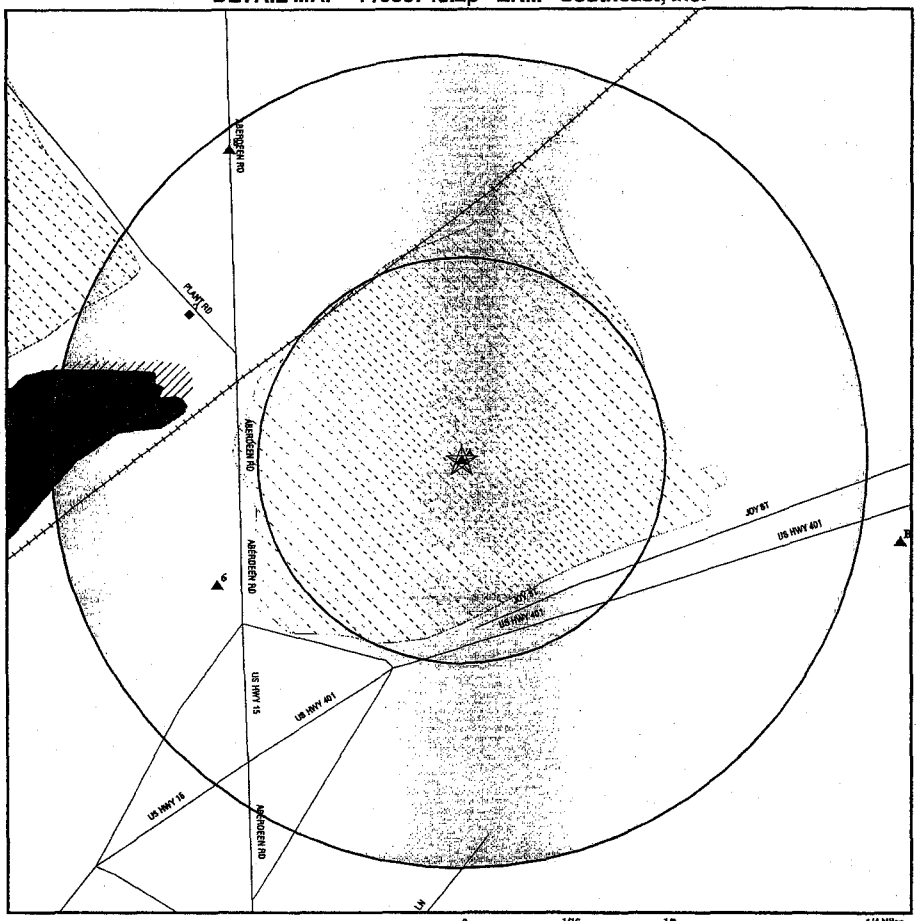
DETAIL MAP - 11006748.2p - ERM - Southeast, Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Hazardous Substance Disposal Sites

TARGET PROPERTY:	Abbott Laboratories	CUSTOMER:	ERM - Southeast, Inc.
ADDRESS:	16900 N US 15/401 Bypass	CONTACT:	Rick Tarravechia
CITY/STATE/ZIP:	Laurinburg NC 28352	INQUIRY #:	11006748.2p
LAT/LONG:	34.7995 / 79.4556	DATE:	July 03, 2003 4:06 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.125	0	0	0	0	0	0
Proposed NPL		1.125	0	0	0	0	0	0
CERCLIS		0.625	0	0	0	1	NR	1
CERC-NFRAP		0.375	0	0	0	NR	NR	0
CORRACTS		1.125	0	0	0	0	0	0
RCRIS-TSD		0.625	0	0	0	0	NR	0
RCRIS Lg. Quan. Gen.	X	0.375	0	0	0	NR	NR	0
RCRIS Sm. Quan. Gen.		0.375	0	0	0	NR	NR	0
ERNS		0.125	0	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste	X	1.125	0	0	0	0	0	0
State Landfill		0.625	0	0	0	0	NR	0
LUST	X	0.625	0	0	1	1	NR	2
UST	X	0.375	0	3	1	NR	NR	4
OLI		0.625	0	0	0	0	NR	0
INDIAN UST		0.375	0	0	0	NR	NR	0
VCP	X	0.625	0	0	0	0	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.125	0	0	0	0	0	0
ROD		1.125	0	0	0	0	0	0
Delisted NPL		1.125	0	0	0	0	0	0
FINDS	X	0.125	0	NR	NR	NR	NR	0
HMIRS		0.125	0	NR	NR	NR	NR	0
MLTS		0.125	0	NR	NR	NR	NR	0
MINES		0.375	0	0	0	NR	NR	0
NPL Liens		0.125	0	NR	NR	NR	NR	0
PADS		0.125	0	NR	NR	NR	NR	0
DOD		1.125	0	0	0	0	0	0
RAATS		0.125	0	NR	NR	NR	NR	0
TRIS	X	0.125	0	NR	NR	NR	NR	0
TSCA		0.125	0	NR	NR	NR	NR	0
SSTS		0.125	0	NR	NR	NR	NR	0
FTTS		0.125	0	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
NC HSDS	X	1.125	0	0	1	1	0	2
AST		0.125	0	NR	NR	NR	NR	0
LUST TRUST		0.625	0	0	0	0	NR	0
IMD	X	0.125	0	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.125	0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
BROWNFIELDS DATABASES								
Brownfields		0.625	0	0	0	0	NR	0
VCP	X	0.625	0	0	0	0	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1 Target Property — **ABBOTT LABORATORIES**, **HWY. 401/15 & 501**, **LAURINBURG, NC 28352** — **UST** — **U003143628**, **N/A**

Site 1 of 5 in cluster A

Actual: 227 ft.

UST:

Facility ID:	0-008360
Telephone:	(910) 276-6210
Owner name :	ABBOTT LABORATORIES
Owner Address:	PO BOX 1009
	LAURINBURG, NC 28352
Owner Phone :	(910) XXX-XXXX
Tank capacity :	10000
Comment :	Not reported
Tank product :	Heating Oil/ Fuel
Tank material :	Steel
Interior Protection:	Unknown
Exterior Protection:	Paint
Piping material :	Unknown
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsibility :	Not reported
Region:	06
Tank ID:	Not reported
Date installed:	04/20/1979
Date removed:	10/20/1997
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	HEA
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	199601042O
Date Last Certified:	03/12/1996
Begin Certified Number:	19960701
End Certified Number:	19961231
Lat/Long :	.00000 / .00000

ABBOTT LABORATORIES (Continued) U003143628

Lat/Long 1 : Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

Facility ID: 0-008360
Telephone: (910) 276-6210
Owner name : ABBOTT LABORATORIES
Owner Address: PO BOX 1009

LAURINBURG, NC 28352
Owner Phone : (910) XXX-XXXX
Tank capacity : 15000
Comment : Not reported
Tank product : Heating Oil/ Fuel
Tank material : Unknown
Interior Protection: Unknown
Exterior Protection: Unknown
Piping material : Unknown
Certify Type : Not reported
Leak Detection Type : Not reported
Leak Detection Type 2: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill : Not reported
Financial Responsibility : Not reported
Region: 06
Tank ID: Not reported
Date installed: 01/01/1972
Date removed: 10/20/1997
Status: Permanent Closed
Compartment Tank : No
Main Tank : No
Product Type: HEA
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Piping: Not reported
Corrosion Protection Piping Date: Not reported
Overfill: Not reported
Spill Overfill Date: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Tank Last Used Date: Not reported
Tank Certified Number: 199601042O
Date Last Certified: 03/12/1996
Begin Certified Number: 19960701
End Certified Number: 19961231
Lat/Long : .00000 / .00000
Lat/Long 1 : Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

ABBOTT LABORATORIES (Continued) U003143628

A2 Target Property — **ABBOTT LABORATORIES**, **JUNCTION HWY 401 & 501**, **LAURINBURG, NC 28352** — SHWS 1000343137; FINDS 28352BBTTLHW; RCRIS-LQG; TRIS; VCP

Site 2 of 5 in cluster A

Actual: 227 ft.

RCRIS:
Owner: ABBOTT LABORATORIES
EPA ID: NCD050411800
Contact: KIMBERLY KASHMER
(910) 276-6210
Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D006	10.00	D009	10.00
F002	68290.00	F003	69240.00
F005	69240.00	P042	730.00

Violation Status: Violations exist

Regulation Violated: 262.32
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/04/1987
Actual Date Achieved Compliance: 03/16/1987
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/23/1987
Penalty Type: Not reported

Regulation Violated: 262.31
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/18/1984
Actual Date Achieved Compliance: 10/25/1984
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/07/1984
Penalty Type: Not reported

Regulation Violated: 262.32
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/18/1984
Actual Date Achieved Compliance: 10/25/1984
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/07/1984
Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19870316
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19841025
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19841025

ABBOTT LABORATORIES (Continued) 1000343137

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Biennial Reporting System (BRS)
Facility Registry System (FRS)
ICIS
National Emissions Trends (NET)
National Toxics Inventory (NTI)
Permit Compliance System (PCS)
Resource Conservation and Recovery Act Information system (RCRAINFO)
Toxic Chemical Release Inventory System (TRIS)

SHWS:
Facility ID: NONCD0000040
Facility Status: Not reported

VCP:
Facility ID : NONCD000004

A3 Target Property **ABBOTT LABS**
S 401 N. INTERCHANGE
LAURINBURG, NC

IMD S104411020
LUST N/A

Site 3 of 5 in cluster A

Actual: 227 ft.

LUST:
Incident Number: 21511
Date Occurred: / /
Submit Date: 04/12/00
Incident Desc: UNDERGROUND PIPING FROM DIESEL AGST RELEASED APPROX. 1350 GALS. OF DIESEL FUEL.
Owner: KKIMBERLY DASHMER
Ownership: Private
Location: Facility
Site Priority: Not reported
Wells Affected: No
Num Affected: 0
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Lat/Long: Not reported
Release Code: 0
Source Type: Not reported
Facility ID: N/A
GPS Confirmed: Not reported
Source: Not reported
Samples Include: Groundwater Samples
Last Modified: / /
Incident Phase: RE
NOV Issued: / /
NORR Issued: Not reported
45 Day Report: Not reported
SOC Signed: Not reported
Public Meeting Held: Not reported
Close-out Report: Not reported
Corrective Action Planned: Not reported
RS Designation: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported

IMD:
Incident Number: 21511
Region: FAY
Date Occurred: 01/31/2000
Submit Date: 04/12/2000
GW Contam: Yes
Soil Contam: Not reported
Operator: KKIMBERLY DASHMER
P.O. BOX 1009
LAURINBURG, NC 28352
SCOTL County

ABBOTT LABS (Continued) S104411020

Contact Phone: Not reported
Priority Code: B
Priority Update: 4/13/00
Site Priority: 130B
Dem Contact: Not reported
Wells Affected: No
Num Affected: Not reported
Sampled By: Samples Include:
7.5 Min Quad: Not reported
5 Min Quad: w49
Incident Desc: UNDERGROUND PIPING FROM DIESEL AGST RELEASED APPROX. 1350 GALS. OF DIESEL FUEL.
Ownership: Private
Operation: Industrial
Material: DIESEL
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Dredge Spoil
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Groundwater Samples
Owner Company: ABBOTT LABORATORIES
Lat/Long: 344791 / 792739
Risk Site No
Lat/Long Decimal: 35 / 79
GPS: NOD
Agency : DWQ
Last Modified: Not reported
Incident Phase: NOD
NOV Issued: Not reported
NORR Issued: Not reported

A4 Target Property **ABBOTT LABS**
, NC

NC HSDS S102442910
N/A

Site 4 of 5 in cluster A

Actual: 227 ft.

NC HSDS:
Facility Name: ABBOTT LABS
Latitude: 34 47 58.182484
Longitude: 79 27 19.077543
Site Type: State
Superfund ID #: 000 0040

A5 Target Property **ABBOTT LABORATORIES**
HIGHWAY 401 AND 15/501 SOUTH
LAURINBURG, NC 28352

FINDS 1006693501
110008460744

Site 5 of 5 in cluster A

Actual: 227 ft.

6 WSW 1/8-1/4 887 ft. — **STEVEN'S SELF SERVICE**, **501 NORTH**, **LAURINBURG, NC 28352** — **UST** — **U003142447** / **N/A**

Relative: Higher

Actual: 229 ft.

UST:

Facility ID:	0-000345
Telephone:	(910) 462-2161
Owner name :	SCOTLAND OIL COMPANY
Owner Address:	MORGAN ST
	LAUREL HILL, NC 28351
Owner Phone :	(910) 999-9999
Tank capacity :	4000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	Paint
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	Not reported
Region:	06
Tank ID:	Not reported
Date installed:	04/04/1971
Date removed:	Not reported
Status:	Temporary Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported

Facility ID: 0-000345

STEVEN'S SELF SERVICE (Continued) — **U003142447**

Telephone:	(910) 462-2161
Owner name :	SCOTLAND OIL COMPANY
Owner Address:	MORGAN ST
	LAUREL HILL, NC 28351
Owner Phone :	(910) 999-9999
Tank capacity :	4000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	Paint
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	Not reported
Region:	06
Tank ID:	Not reported
Date installed:	04/04/1971
Date removed:	Not reported
Status:	Temporary Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported

7
WNW
1/8-1/4
1001 ft.

Relative:
Lower

Actual:
224 ft.

HYER MOTOR CARS
PLANT RD (HWY 501 & SR 1301)
LAURINBURG, NC 28352

UST **U001439983**
N/A

UST:

Facility ID:	0-033367
Telephone:	(305) 785-9870
Owner name :	HYER P LARSEN
Owner Address:	2800 NORTHEAST 30TH AVENUE
	LIGHTHOUSE POINT, FL 33064
Owner Phone :	(305) 785-9870
Tank capacity :	9999
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Unknown
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material :	Unknown
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsibility :	Not reported
Region:	06
Tank ID:	Not reported
Date Installed:	01/01/1964
Date removed:	03/31/1988
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported

Facility ID: 0-033367

HYER MOTOR CARS (Continued) **U001439983**

Telephone:	(305) 785-9870
Owner name :	HYER P LARSEN
Owner Address:	2800 NORTHEAST 30TH AVENUE
	LIGHTHOUSE POINT, FL 33064
Owner Phone :	(305) 785-9870
Tank capacity :	1000
Comment :	Not reported
Tank product :	Oil, New/Used/Mixture
Tank material :	Unknown
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material :	Unknown
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsibility :	Not reported
Region:	06
Tank ID:	Not reported
Date Installed:	01/01/1964
Date removed:	03/29/1993
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported

8 NW 1/8-1/4 1261 ft. — **RYDER TRUCK RENTAL #0633**, **17420 ABERDEEN RD.**, **LAURINBURG, NC 28352** — **UST** — **U003134565** / **N/A**

Relative: Higher
Actual: 238 ft.

UST:

Facility ID:	0-008422
Telephone:	(910) 276-6432
Owner name :	RYDER TRUCK RENTAL. INC.
Owner Address:	PO BOX 70737 COMPL MGMT SERVICE
	HOUSTON, TX 77270
Owner Phone :	(713) 426-4800
Tank capacity :	12000
Comment :	Not reported
Tank product :	Diesel, Diesel Mixture
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Periodic tank tightness testing
Leak Detection Type 2:	Inventory control
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	None
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsibility :	Not reported
Region:	06
Tank ID:	Not reported
Date installed:	04/15/1981
Date removed:	08/14/1997
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	N
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	N
Corrosion Protection Piping Date:	Not reported
Overfill:	B
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	199705861R
Date Last Certified:	09/22/1997
Begin Certified Number:	19970922
End Certified Number:	19980630
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported

Facility ID: 0-008422

RYDER TRUCK RENTAL #0633 (Continued) — **U003134565**

Telephone:	(910) 276-6432
Owner name :	RYDER TRUCK RENTAL. INC.
Owner Address:	PO BOX 70737 COMPL MGMT SERVICE
	HOUSTON, TX 77270
Owner Phone :	(713) 426-4800
Tank capacity :	12000
Comment :	Not reported
Tank product :	Diesel, Diesel Mixture
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Periodic tank tightness testing
Leak Detection Type 2:	Inventory control
Leak Detection Piping 1:	Line tightness testingg
Corrosn Protec Tank:	None
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsibility :	Not reported
Region:	06
Tank ID:	Not reported
Date installed:	04/15/1981
Date removed:	08/14/1997
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	N
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	N
Corrosion Protection Piping Date:	Not reported
Overfill:	B
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	199705861R
Date Last Certified:	09/22/1997
Begin Certified Number:	19970922
End Certified Number:	19980630
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported

Facility ID:	0-008422
Telephone:	(910) 276-6432
Owner name :	RYDER TRUCK RENTAL. INC.
Owner Address:	PO BOX 70737 COMPL MGMT SERVICE
	HOUSTON, TX 77270

RYDER TRUCK RENTAL #0633 (Continued) U003134565

Owner Phone :	(713) 426-4800
Tank capacity :	12000
Comment :	Not reported
Tank product :	Diesel, Diesel Mixture
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Periodic tank tightness testing
Leak Detection Type 2:	Inventory control
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	None
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	Not reported
Region:	06
Tank ID:	Not reported
Date Installed:	04/15/1981
Date removed:	08/14/1997
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	N
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	N
Corrosion Protection Piping Date:	Not reported
Overfill:	No
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	199705861R
Date Last Certified:	09/22/1997
Begin Certified Number:	19970922
End Certified Number:	19980830
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported

Facility ID:	0-008422
Telephone:	(910) 276-6432
Owner name :	RYDER TRUCK RENTAL. INC.
Owner Address:	PO BOX 70737 COMPL MGMT SERVICE
	HOUSTON, TX 77270
Owner Phone :	(713) 426-4800
Tank capacity :	12000
Comment :	Not reported
Tank product :	Oil, New/Used/Mixture
Tank material :	Steel

RYDER TRUCK RENTAL #0633 (Continued) U003134565

Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Not reported
Leak Detection Type 2:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Not reported
Financial Responsiblity :	Not reported
Region:	06
Tank ID:	Not reported
Date Installed:	04/15/1981
Date removed:	06/01/1994
Status:	Permanent Closed
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	Not reported
Corrosion Protection Piping Date:	Not reported
Overfill:	Not reported
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Lat/Long :	.00000 / .00000
Lat/Long 1 :	Not reported
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported

Facility ID:	0-008422
Telephone:	(910) 276-6432
Owner name :	RYDER TRUCK RENTAL. INC.
Owner Address:	PO BOX 70737 COMPL MGMT SERVICE
	HOUSTON, TX 77270
Owner Phone :	(713) 426-4800
Tank capacity :	6000
Comment :	Not reported
Tank product :	Motor oil
Tank material :	Steel
Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material :	Steel
Certify Type :	Not reported
Leak Detection Type :	Groundwater monitoring

RYDER TRUCK RENTAL #0633 (Continued) U003134565

Leak Detection Type 2: Not reported
Leak Detection Piping 1: Line tightness testingg
Corrosn Protec Tank: None
Corrosn Protec Pipe: None
Spill and Overfill : Not reported
Financial Responsiblity : Not reported
Region: 06
Tank ID: Not reported
Date installed: 04/15/1981
Date removed: 08/18/1997
Status: Permanent Closed
Compartment Tank : No
Main Tank : No
Product Type: NON
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Corrosion Protection Tank1: N
Corrosion Protection Tank Date: Not reported
Corrosion Piping: N
Corrosion Protection Piping Date: Not reported
Overfill: No
Spill Overfill Date: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Tank Last Used Date: Not reported
Tank Certified Number: 199705861R
Date Last Certified: 09/22/1997
Begin Certified Number: 19970922
End Certified Number: 19980630
Lat/Long : .00000 / .00000
Lat/Long 1 : Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

Facility ID: 0-008422
Telephone: (910) 276-6432
Owner name : RYDER TRUCK RENTAL. INC.
Owner Address: PO BOX 70737 COMPL MGMT SERVICE

HOUSTON, TX 77270
Owner Phone : (713) 426-4800
Tank capacity : 2000
Comment : Not reported
Tank product : Oil, New/Used/Mixture
Tank material : Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material : Steel
Certify Type : Not reported
Leak Detection Type : Periodic tank tightness testing
Leak Detection Type 2: Manual tank guaging
Leak Detection Piping 1: Line tightness testingg
Corrosn Protec Tank: None
Corrosn Protec Pipe: None
Spill and Overfill : Not reported

RYDER TRUCK RENTAL #0633 (Continued) U003134565

Financial Responsiblity : Not reported
Region: 06
Tank ID: Not reported
Date installed: 04/15/1981
Date removed: 08/18/1997
Status: Permanent Closed
Compartment Tank : No
Main Tank : No
Product Type: NON
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Corrosion Protection Tank1: N
Corrosion Protection Tank Date: Not reported
Corrosion Piping: N
Corrosion Protection Piping Date: Not reported
Overfill: No
Spill Overfill Date: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Tank Last Used Date: Not reported
Tank Certified Number: 199705861R
Date Last Certified: 09/22/1997
Begin Certified Number: 19970922
End Certified Number: 19980630
Lat/Long : .00000 / .00000
Lat/Long 1 : Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

Facility ID: 0-008422
Telephone: (910) 276-6432
Owner name : RYDER TRUCK RENTAL. INC.
Owner Address: PO BOX 70737 COMPL MGMT SERVICE

HOUSTON, TX 77270
Owner Phone : (713) 426-4800
Tank capacity : 20000
Comment : Not reported
Tank product : Diesel, Diesel Mixture
Tank material : Fiberglass Reinforced Plastic
Interior Protection: FRP
Exterior Protection: FRP
Piping material : FRP
Certify Type : Not reported
Leak Detection Type : Not reported
Leak Detection Type 2: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: Not reported
Spill and Overfill : Automatic shutoff devices
Financial Responsiblity : Not reported
Region: 06
Tank ID: Not reported
Date installed: 08/20/1997
Date removed: Not reported

RYDER TRUCK RENTAL #0633 (Continued) — U003134565

Status: Currently In Use
Compartment Tank : No
Main Tank : No
Product Type: NON
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Protection Tank Date: 19971231
Corrosion Piping: C
Corrosion Protection Piping Date: 19971231
Overfill: A
Spill Overfill Date: 19971231
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Tank Last Used Date: Not reported
Tank Certified Number: 200205682O
Date Last Certified: 06/13/2002
Begin Certified Number: 20020701
End Certified Number: 20030630
Lat/Long : .00000 / .00000
Lat/Long 1 : Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

B9 East 1/4-1/2 1453 ft. — Relative: Higher — Actual: 238 ft.

74 BY-PASS PUMP STATION
DANA DRIVE
LAURINBURG, NC 28352

UST — U001203891 / N/A

Site 1 of 2 in cluster B

UST:
Facility ID: 0-027898
Telephone: (XXX) XXX-XXXX
Owner name : CITY OF LAURINBURG
Owner Address: PO BOX 249
LAURINBURG, NC 28353
Owner Phone : (910) 276-2364
Tank capacity : 1000
Comment : Not reported
Tank product : Diesel, Diesel Mixture
Tank material : Steel
Interior Protection: None
Exterior Protection: Paint
Piping material : Steel
Certify Type : Not reported
Leak Detection Type : Not reported
Leak Detection Type 2: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill : Not reported
Financial Responsiblity : Not reported
Region: 06
Tank ID: Not reported
Date installed: 03/11/1985
Date removed: 04/24/1997

74 BY-PASS PUMP STATION (Continued) — U001203891

Status: Permanent Closed
Compartment Tank : No
Main Tank : No
Product Type: NON
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Piping: Not reported
Corrosion Protection Piping Date: Not reported
Overfill: Not reported
Spill Overfill Date: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Tank Last Used Date: Not reported
Tank Certified Number: 199809134O
Date Last Certified: 09/15/1998
Begin Certified Number: 19981001
End Certified Number: 19990930
Lat/Long : .00000 / .00000
Lat/Long 1 : Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

B10 East 1/4-1/2 1453 ft. — Relative: Higher — Actual: 238 ft.

HWY 74 BYPASS PUMP STATION
DANA DRIVE
LAURINBURG, NC 28352

IMD — S103130526
LUST — N/A

Site 2 of 2 in cluster B

LUST:
Incident Number: 18740
Date Occurred: / / — Submit Date: 06/25/98
Incident Desc: LEAK WAS DETECTED WHEN UST WAS REMOVED
Owner: ROBERT ELLIS
Ownership: Municipal — Location: Other
Site Priority: Not reported
Wells Affected: Not reported — Num Affected: 0
7.5 Min Quad: Not reported — 5 Min Quad: W49
Lat/Long: 786145 / 345930
Release Code: 0 — Source Type: Not reported
Facility ID: N/A — GPS Confirmed: Not reported
Source: Leak-underground — Samples Include: Not reported
Last Modified: 05/01/00
Incident Phase: Closed Out
NOV Issued: / / — NORR Issued: Not reported
45 Day Report: Not reported — SOC Signed: Not reported
Public Meeting Held: Not reported
Close-out Report: 1/13/99 — RS Designation: Not reported
Corrective Action Planned: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported

IMD:
Incident Number: 18740
Region: FAY
Date Occurred: 06/26/1997

HWY 74 BYPASS PUMP STATION (Continued) S103130526

Submit Date: 06/25/1998
GW Contam: Not reported
Soil Contam: Not reported
Operator: ROBERT ELLIS
603 LOCKWOOD DRIVE
LAURINGBURG, NC 28353
SCOTL County
Contact Phone: Not reported
Priority Code: L
Priority Update: 7/2/98
Site Priority: L
Dem Contact: Not reported
Wells Affected: Not reported
Num Affected: Not reported
Sampled By: Samples include:
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Incident Desc: LEAK WAS DETECTED WHEN UST WAS REMOVED
Ownership: Municipal
Operation: Public Service
Material: DIESEL
Qty Lost: Not reported
Qty Recovered: NONE
Source: Leak-underground
Type: Gasoline/diesel
Location: Other
Setting: Rural
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
Owner Company: CITY OF LAURINBURG
Lat/Long: Not reported
Risk Site Yes
Lat/Long Decimal: 0 / 0
GPS: NOD | Agency : DWM
Last Modified: 5/1/00 | Incident Phase: CO
NOV Issued: Not reported | NORR Issued: Not reported

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11 WNW 1/4-1/2 2121 ft. Relative: Higher Actual: 231 ft.

TOASTMASTER INCORPORATED NC HSDS S102442909 N/A
, NC

NC HSDS:
Facility Name: TOASTMASTER INCORPORATED
Latitude: 34 48 3.657782 | Longitude: 79 27 45.310589
Site Type: Federal | Superfund ID #: 037 160 439

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12 West 1/2-1 3075 ft. Relative: Lower Actual: 217 ft.

REA MAGNET WIRE CO CERCLIS 1000123271
OLD LAUREL HILL CHURCH ROAD FINDS 28352RMGNTPL
LAURINBURG, NC 28352 IMD
LUST
RCRIS-LQG
TRIS
RAATS

REA MAGNET WIRE CO (Continued) 1000123271

CERCLIS Classification Data:
Site Incident Category: Not reported | Federal Facility: Not a Federal Facility
Non NPL Status: NFRAP
Ownership Status: Other | NPL Status: Not on the NPL
Contact: GIEZELLE BENNETT | Contact Tel: (404) 562-8824
Contact Title: Not reported
Contact: JON BORNHOLM | Contact Tel: (404) 562-8820
Contact Title: Not reported
Contact: BEVERLY HUDSON | Contact Tel: (404) 562-8816
Contact Title: Not reported
Contact: KEN MALLARY | Contact Tel: (404) 562-8802
Contact Title: Not reported
Contact: MICHAEL TOWNSEND | Contact Tel: (404) 562-8813
Contact Title: Not reported
Contact: SAMANTHA URQUHART F | Contact Tel: (404) 562-8760
Contact Title: Not reported

CERCLIS Assessment History:
Assessment: DISCOVERY | Completed: 09/01/1980
Assessment: PRELIMINARY ASSESSMENT | Completed: 06/01/1984
Assessment: SITE INSPECTION | Completed: 06/17/1987
Assessment: EXPANDED SITE INSPECTION | Completed: 02/03/1997

CERCLIS Site Status:
NFRAP (No Futher Remedial Action Planned

CERCLIS Alias Name(s):
REA MAGNET WIRE CO

RCRIS Corrective Action Summary:
Event: RFA Completed
Event Date: Not reported

RCRIS:
Owner: PHELPS DODGE MAGNET WIRE CO
(219) 421-5400
EPA ID: NCD002972966
Contact: Not reported
Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	102029.20	D009	650.00
D026	91426.30	F004	61186.90

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 10/16/2002
Actual Date Achieved Compliance: 12/11/2002
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/16/2002
Penalty Type: Not reported

Regulation Violated: 265.170
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 06/12/2001

REA MAGNET WIRE CO (Continued) 1000123271

Actual Date Achieved Compliance: 08/30/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/12/2001
Penalty Type: Not reported

Regulation Violated: 262.34(a)(2)(3)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 10/30/1995
Actual Date Achieved Compliance: 12/12/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/30/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/09/1989
Actual Date Achieved Compliance: 11/30/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/08/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 05/30/1984
Actual Date Achieved Compliance: 06/05/1984

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/05/1984
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/05/1984
Actual Date Achieved Compliance: 02/15/1984

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1984
Penalty Type: Not reported

There are 6 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20021211
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	20010830
Compliance Schedule Evaluation	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19951212
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19951212
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19891130
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19840605
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19840215

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Biennial Reporting System (BRS)
Facility Registry System (FRS)
National Emissions Trends (NET)
National Toxics Inventory (NTI)
Permit Compliance System (PCS)

REA MAGNET WIRE CO (Continued) 1000123271

Resource Conservation and Recovery Act Information system (RCRAINFO)
Toxic Chemical Release Inventory System (TRIS)

LUST:
Incident Number: 10203
Date Occurred: 01/01/89 Submit Date: 05/19/93
Incident Desc: SUSPECTED RELEASE OF LIQUID ORGANICS FROM TRANSPORT PIPING.
Owner: HAROLD OTIS
Ownership: Private Location: Facility
Site Priority: Not reported
Wells Affected: No Num Affected: 0
7.5 Min Quad: Not reported 5 Min Quad: Not reported
Lat/Long: 344815 / 792730
Release Code: 0 Source Type: Not reported
Facility ID: 0-002180 GPS Confirmed: Not reported
Source: Leak-underground Samples Include: Groundwater Samples
Last Modified: / /
Incident Phase: RE
NOV Issued: / / NORR Issued: Not reported
45 Day Report: Not reported SOC Sighned: Not reported
Public Meeting Held: Not reported
Close-out Report: Not reported RS Designation: Not reported
Corrective Action Planned: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported

Incident Number: 10445
Date Occurred: 05/01/89 Submit Date: 07/01/93
Incident Desc: SOIL CONTAM. FOUND UNDER DIESEL UST.
Owner: JIMMY SMITHWICK
Ownership: Private Location: Facility
Site Priority: 050E
Wells Affected: Not reported Num Affected: 0
7.5 Min Quad: Not reported 5 Min Quad: W49
Lat/Long: 0 / 0
Release Code: 0 Source Type: Not reported
Facility ID: N/A GPS Confirmed: Not reported
Source: Leak-underground Samples Include: Soil Samples
Last Modified: Not reported
Incident Phase: Not reported
NOV Issued: Not reported NORR Issued: Not reported
45 Day Report: Not reported SOC Sighned: Not reported
Public Meeting Held: Not reported
Close-out Report: Not reported RS Designation: Not reported
Corrective Action Planned: Not reported
Reclassification Report: Not reported
Closure Request Date: Not reported

IMD:
Incident Number: 10203
Region: FAY
Date Occurred: 01/01/1989
Submit Date: 05/19/1993
GW Contam: Yes
Soil Contam: Not reported
Operator: HAROLD OTIS
3000 EAST PONTIAC CITY
FORT WAYNE, IN 46896

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

MAP FINDINGS

REA MAGNET WIRE CO (Continued) — **1000123271**

Contact Phone: Not reported
Priority Code: E
Priority Update: Not reported
Site Priority: 060E
Dem Contact: Not reported
Wells Affected: No
Num Affected: Not reported
Sampled By: Samples Include:
7.5 Min Quad: Not reported
5 Min Quad: W49
Incident Desc: SUSPECTED RELEASE OF LIQUID ORGANICS FROM TRANSPORT PIPING.
Ownership: Private
Operation: Industrial
Material: ORGANICS
Qty Lost: Not reported
Qty Recovered: Not reported
Material: T,E,X
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Other organics
Location: Facility
Setting: Rural
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Groundwater Samples
Owner Company: REA MAGNET WIRE CO., INC.
Lat/Long: 344815 / 792730
Risk Site No
Lat/Long Decimal: 35 / 79
GPS: NOD — Agency: DWQ
Last Modified: Not reported — Incident Phase: RE
NOV Issued: Not reported — NORR Issued: Not reported

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13 WNW 1/2-1 3218 ft. — **REA MAGNET WIRE CO** — **NC HSDS** — **S102442908** / N/A

, NC

Relative: Lower / **Actual: 221 ft.**

NC HSDS:
Facility Name: REA MAGNET WIRE CO
Latitude: 34 48 9.196792 — Longitude: 79 27 56.782501
Site Type: Federal — Superfund ID #: 002 972 966

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAURENBURG	U001205948	YELLOW FREIGHT SYSTEM, INC.	US 401 SOUTH	28352	UST
LAURINBURG	U003134120	COLONIAL MOTOR FREIGHT LINE	RTE 1 BOX 761	28352	UST
LAURINBURG	S100808010	STEVE MATHEWS EXXON/CAMO SHOP	SR 1225 / US 15-501		IMD, LUST
LAURINBURG	1004745016	RYDER TRUCK RENTAL	HWY 15 & 501 RT 4	28352	RCRIS-SQG, FINDS
LAURINBURG	1004745652	HYER MOTOR CARS INC	HWY 15-501	28352	RCRIS-SQG, FINDS
LAURINBURG	S101714915	N. MAIN-FORMER EXXON STATION	HWY 15-501 / HWY 401		IMD, LUST
LAURINBURG	S105216301	RYDER TRUCK RENTAL, INC.	HWY 15/501 / SR 1301		LUST TRUST
LAURINBURG	S104919069	PLANT MANAGERS PROPERTY	SR 1614		SHWS
LAURINBURG	S106485995	SCOTLAND COUNTY COMM. DUMP	SR 1614, S OF TOWN		OLI
LAURINBURG	1004745233	A J METLER HAULING	SR 1639 RR 3 EAST	28352	RCRIS-SQG, FINDS
LAURINBURG	1004745543	INDEPENDENT FLEET SERVICES INC	SR 1639 RT 3	28352	RCRIS-SQG, FINDS
LAURINBURG	1005823223	TERRA INTERNATIONAL INC	RT 3 BOX 293A	28352	SSTS
LAURINBURG	U003134559	STONE FARMS, INC.	RT. 3 BIX 251	28352	UST
LAURINBURG	U003134561	JOHN CARMICHAEL FARMS	ROUTE 3 BOX 336	28352	UST
LAURINBURG	U003136882	J.D. CARMICHAEL FARMS	ROUTE 3, BOX 336	28352	UST
LAURINBURG	S105764319	MACS MINI MART	HWY 401 SOUTH	28352	LUST
LAURINBURG	S103130430	SOUTHEAST FARM EQUIPMENT	HWY 401 BY-PASS		IMD, LUST
LAURINBURG	U003146053	CONVENIENT FOOD MART #5410	ROUTE 6, BOX 17-B	28352	UST
LAURINBURG	U001191866	SERVICE DISTRIBUTING CO., INC	US 74 EAST	28352	IMD, UST
LAURINBURG	1004745607	BELLSOUTH TELECOMMUNICATIONS	HWY 74 W	28352	RCRIS-SQG, FINDS
LAURINBURG	S103130525	AT&T LAURINBURG POP	US 74	28352	IMD, LUST
LAURINBURG	U001188342	PINE STATE CREAMERY COMPANY	HWY. 74	28352	UST
LAURINBURG	U001190985	KEE GARD (SERV OIL CO PLANT)	HWY 74 BUISNESS EAST PO BOX 949	28352	UST
LAURINBURG	U001191167	S. BELL-LRBGNCWE/AUTO OPRNS R	HIGHWAY 74 NORTH	28352	UST
LAURINBURG	U001191852	LAURINBURG 2	HWY 74 WEST	28352	UST
LAURINBURG	U001202347	LAURINBURG POP	HWY 74 W, RT. 4 BOX 370A	28352	UST
LAURINBURG	S101168026	ROYSTER CO.	HWY 74 E		IMD, LUST
LAURINBURG	S101715076	SERVICE OIL-BULK STORAGE FAC.	BUS. HWY 74 EAST		IMD, LUST
LAURINBURG	A100187939	LOF GLASS INC (PLT 75)	HWY E	28352	AST
LAURINBURG	S103554394	HELENA CHEMICAL COMPANY	HARRY MALLEY RD		SHWS
LAURINBURG	S105764303	SERVCO #02811	US HIGHWAY 74 EAST	28352	LUST
LAURINBURG	U001191518	NORTHUP KIN CO.	US HIGHWAY 501 NORTH	28352	UST
LAURINBURG	S105043223	PILKINGTON-LIBBY OWEN FORD	US HIGHWAY 74 EAST		IMD
LAURINBURG	S103554518	REA MAGNET WIRE COMPANY	OLD LAUREL HILL CHURCH RD		SHWS
LAURINBURG	S103554601	TOASTMASTER, INCORPORATED	OLD LAUREL HILL CHURCH RD		SHWS
LAURINBURG	S103240104	SCOTLAND COUNTY ACB SITE	STATE ROAD 1611		SWF/LF
MAXTON	U001188825	STOP & SHOP	ROUTE 3, BOX 89-AAA	28352	UST

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D006	CADMIUM
D009	MERCURY
D026	CRESOL
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, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F004	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
P042	1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
P042	EPINEPHRINE

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: 04/30/03
Date Made Active at EDR: 06/02/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/05/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/09/03

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 04/30/03
Date Made Active at EDR: 06/02/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/05/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/05/03

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: 03/19/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 06/23/03

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.

Date of Government Version: 03/19/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 06/23/03

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/03
Date Made Active at EDR: 05/08/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 04/07/03
Elapsed ASTM days: 31
Date of Last EDR Contact: 06/09/03

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/09/03
Date Made Active at EDR: 07/01/03
Database Release Frequency: Varies
Date of Data Arrival at EDR: 05/09/03
Elapsed ASTM days: 53
Date of Last EDR Contact: 06/26/03

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: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually
Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 04/28/03

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: 12/31/99
Database Release Frequency: Biennially
Date of Last EDR Contact: 06/16/03
Date of Next Scheduled EDR Contact: 09/15/03

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
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.

Date of Government Version: N/A
Database Release Frequency: Varies
Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

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: 01/09/03
Database Release Frequency: Annually
Date of Last EDR Contact: 04/07/03
Date of Next Scheduled EDR Contact: 07/07/03

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: 04/30/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/05/03
Date of Next Scheduled EDR Contact: 08/04/03

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: 03/19/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/07/03
Date of Next Scheduled EDR Contact: 07/07/03

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: 01/31/03
Database Release Frequency: Annually
Date of Last EDR Contact: 04/30/03
Date of Next Scheduled EDR Contact: 07/21/03

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: 04/23/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/07/03
Date of Next Scheduled EDR Contact: 07/07/03

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 03/11/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/31/03
Date of Next Scheduled EDR Contact: 06/30/03

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
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: 05/27/03
Date of Next Scheduled EDR Contact: 08/25/03

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: 03/26/03
Database Release Frequency: Annually
Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-648-5920
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: 04/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

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: 06/09/03
Date of Next Scheduled EDR Contact: 09/08/03

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
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: 12/31/00
Database Release Frequency: Annually
Date of Last EDR Contact: 06/27/03
Date of Next Scheduled EDR Contact: 09/22/03

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: 12/31/98
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 06/09/03
Date of Next Scheduled EDR Contact: 09/08/03

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: 04/15/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/03
Date of Next Scheduled EDR Contact: 09/22/03

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: 12/31/00
Database Release Frequency: Annually
Date of Last EDR Contact: 05/09/03
Date of Next Scheduled EDR Contact: 07/21/03

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.

Date of Government Version: 04/15/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/03
Date of Next Scheduled EDR Contact: 09/22/03

STATE OF NORTH CAROLINA ASTM STANDARD RECORDS

SHWS: Inactive Hazardous Sites Inventory
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
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: 04/08/03
Date Made Active at EDR: 05/08/03
Database Release Frequency: Annually
Date of Data Arrival at EDR: 04/21/03
Elapsed ASTM days: 17
Date of Last EDR Contact: 04/15/03

SWF/LF: List of Solid Waste Facilities
Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
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: 04/29/03
Date Made Active at EDR: 05/08/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 04/29/03
Elapsed ASTM days: 9
Date of Last EDR Contact: 04/28/03

LUST: Incidents Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
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: 03/07/03
Date Made Active at EDR: 04/16/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/10/03
Elapsed ASTM days: 37
Date of Last EDR Contact: 06/09/03

UST: Petroleum Underground Storage Tank Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
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: 02/11/03
Date Made Active at EDR: 06/26/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 06/09/03
Elapsed ASTM days: 17
Date of Last EDR Contact: 06/09/03

OLI: Old Landfill Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-4996

Date of Government Version: 04/08/03
Date Made Active at EDR: 05/21/03
Database Release Frequency: Varies
Date of Data Arrival at EDR: 04/28/03
Elapsed ASTM days: 23
Date of Last EDR Contact: 04/28/03

VCP: Responsible Party Voluntary Action Sites
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996

Date of Government Version: 06/05/03
Date Made Active at EDR: 06/26/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 06/05/03
Elapsed ASTM days: 21
Date of Last EDR Contact: 05/23/03

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 4
Telephone: 404-562-9424

Date of Government Version: N/A
Date Made Active at EDR: N/A
Database Release Frequency: Varies
Date of Data Arrival at EDR: N/A
Elapsed ASTM days: 0
Date of Last EDR Contact: N/A

STATE OF NORTH CAROLINA ASTM SUPPLEMENTAL RECORDS

HSDS: Hazardous Substance Disposal Site
Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 06/21/95
Database Release Frequency: Biennially
Date of Last EDR Contact: 06/02/03
Date of Next Scheduled EDR Contact: 09/01/03

AST: AST Database
Source: Department of Environment and Natural Resources
Telephone: 919-715-6170
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 01/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/21/03
Date of Next Scheduled EDR Contact: 07/21/03

LUST TRUST: State Trust Fund Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 05/09/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

IMD: Incident Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Groundwater and/or soil contamination incidents

Date of Government Version: 04/24/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/28/03
Date of Next Scheduled EDR Contact: 07/28/03

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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STATE OF NORTH CAROLINA BROWNFIELDS DATABASES RECORDS

Brownfields: Brownfields Projects Inventory
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 12/31/02
Database Release Frequency: Varies
Date of Last EDR Contact: 05/06/03
Date of Next Scheduled EDR Contact: 08/04/03

VCP: Responsible Party Voluntary Action Sites
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996

Date of Government Version: 06/05/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 05/23/03
Date of Next Scheduled EDR Contact: 07/14/03

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
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

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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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ABBOTT LABORATORIES
16900 N US 15/401 BYPASS
LAURINBURG, NC 28352

TARGET PROPERTY COORDINATES

Latitude (North):	34.799500 - 34˚ 47' 58.2"
Longitude (West):	79.455597 - 79˚ 27' 20.1"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	641281.2
UTM Y (Meters):	3851698.8
Elevation:	227 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

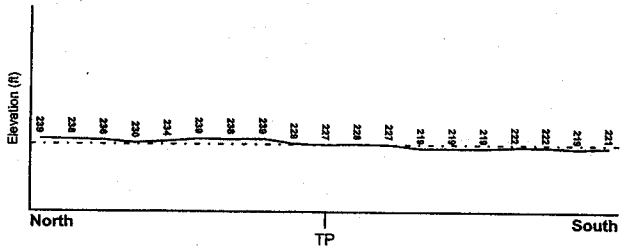
TOPOGRAPHIC INFORMATION

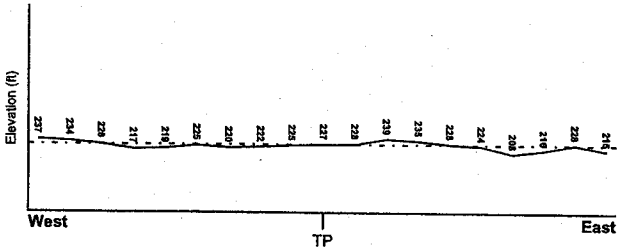
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	2434079-G4 LAURINBURG, NC
General Topographic Gradient:	General SW
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 227 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SCOTLAND, NC	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	3703160095B
Additional Panels in search area:	3703160090B 3702220001B 3702220002B 3703160155B 3703590001A

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LAURINBURG	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Mesozoic
System: Cretaceous
Series: Washita Group
Code: IK3 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: NORFOLK

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	14 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 6.00 Min: 3.60
2	14 inches	38 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
3	38 inches	70 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
4	70 inches	99 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
sandy loam
mucky - loam

Surficial Soil Types: loam
sandy loam
mucky - loam

Shallow Soil Types: fine sandy loam
sandy clay loam
clay loam

Deeper Soil Types: sandy clay loam
stratified
sandy clay

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NC0383427	1/4 - 1/2 Mile West

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

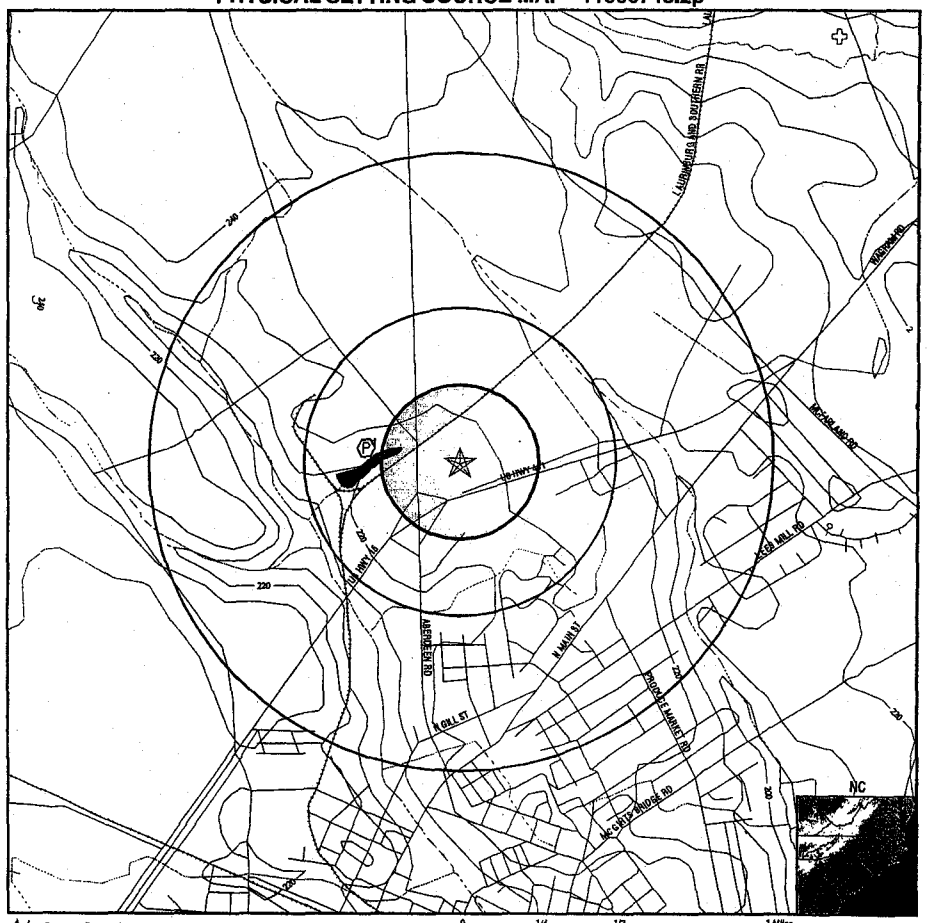
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

NORTH CAROLINA LOCATIONS OF NATURAL HERITAGE DATABASE

ID	Class
0162184	Plants

PHYSICAL SETTING SOURCE MAP - 11006748.2p



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location

Wildlife Areas
Natural Areas
Rare & Endangered Species

TARGET PROPERTY:	Abbott Laboratories	CUSTOMER:	ERM - Southeast, Inc.
ADDRESS:	16900 N US 15/401 Bypass	CONTACT:	Rick Tarravechia
CITY/STATE/ZIP:	Laurinburg NC 28352	INQUIRY #:	11006748.2p
LAT/LONG:	34.7995 / 79.4556	DATE:	July 03, 2003 4:06 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **West** **1/4 - 1/2 Mile** **Lower**	**FRDS PWS**	**NC0383427**

PWS ID:	NC0383427	PWS Status:	Active
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	SAFEWAY NO 4 SNACK BAR LAURINBURG, NC 28352		
Addressee / Facility:	System Owner/Responsible Party EMMETT MORTON OR MGR RT 2 LAURINBURG, NC 28352		
Addressee / Facility:	System Owner/Responsible Party EMMETT MORTON RT 2 LAURINBURG, NC 28352		
Facility Latitude:	Not Reported	Facility Longitude:	Not Reported
City Served:	LAURINBURG		
Treatment Class:	Untreated	Population:	00000100

PWS currently has or had major violation(s) or enforcement: No

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction Distance	Database	EDR ID Number
	NC_NHEO	**0162184**

Site ID:	0162184
Latitude / Longitude:	34.8194 / -79.4347
Classification by Type:	Plants
Degree of Accuracy associated with coordinate:	General
Occurrence Status:	Historic, no evidence of destruction
State Status:	Significantly Rare

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NC Radon

Radon Test Results

County	Result Type	Total Sites	Avg pCi/L	Range pCi/L
SCOTLAND	Statistical	1	1.70	1.70-1.70
SCOTLAND	Non-Statistical	15	0.98	0.00-2.40

Federal EPA Radon Zone for SCOTLAND County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 28352

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

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.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the data of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps for North Carolina Game Lands, 1989-90.

North Carolina Rare/Endangered Species and Natural Areas
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

EDR Site Report™

REA MAGNET WIRE COMPANY
OLD LAUREL HILL CHURCH RD
LAURINBURG, NC

Inquiry Number:

July 11, 2003

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports ..... **Page 4**

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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SECTION 1: FACILITY SUMMARY

AREA	FACILITY FACILITY 1 REA MAGNET WIRE COMPANY OLD LAUREL HILL CHURCH RD LAURINBURG, NC EDR ID #S103554518
WASTE MANAGEMENT Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	YES - p4
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE DISPOSAL

Facility is listed as a state hazardous waste site

DATABASE: State Hazardous Waste Sites (SHWS)

REA MAGNET WIRE COMPANY
OLD LAUREL HILL CHURCH RD
LAURINBURG, NC
EDR ID #S103554518

SHWS:
Facility ID: NCD002972966
Facility Status: Not reported

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

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

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

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/09/2003 — Date of Last EDR Contact: 06/26/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 09/22/2003

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: 12/31/1999 — Date of Last EDR Contact: 06/16/2003
Database Release Frequency: Biennially — Date of Next Scheduled Update: 09/15/2003

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: 04/17/1995 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 09/08/2003

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/2003 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 09/08/2003

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: 03/26/2003 — Date of Last EDR Contact: 05/12/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/11/2003

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: 04/23/2003 — Date of Last EDR Contact: 04/07/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/07/2003

NC AST: AST Database
Source: Department of Environment and Natural Resources
Telephone: 919-715-6170
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 01/01/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/21/2003
Date of Next Scheduled Update: 07/21/2003

NC UST: Petroleum Underground Storage Tank Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
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: 02/11/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

NC LUST: Incidents Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
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: 03/07/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

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: 12/31/2002
Database Release Frequency: Annually
Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

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: 01/31/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 04/30/2003
Date of Next Scheduled Update: 07/21/2003

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
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: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/09/2003

PROPOSED NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported

Date of Government Version: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/05/2003

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
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: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/05/2003

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: 03/19/2003
Date Made Active at EDR: 04/08/2003
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/24/2003
Elapsed ASTM Days: 15
Date of Last EDR Contact: 06/23/2003

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.

Date of Government Version: 03/19/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/2003
Date of Next Scheduled Update: 09/22/2003

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
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: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 05/27/2003

NC SHWS: Inactive Hazardous Sites Inventory
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
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: 04/08/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 04/15/2003
Date of Next Scheduled Update: 07/14/2003

NC SWF/LF: List of Solid Waste Facilities
Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
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: 04/29/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
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: 12/31/2000 — Date of Last EDR Contact: 06/27/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 09/22/2003

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: 12/31/2000 — Date of Last EDR Contact: 05/09/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/21/2003

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: 12/31/1998 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: N/A — Date of Next Scheduled Update: 09/08/2003

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.

Date of Government Version: 04/15/2003 — Date of Last EDR Contact: 06/23/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/22/2003

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: 04/15/2003 — Date of Last EDR Contact: 06/23/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/22/2003

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: Not reported
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: 03/19/2003 — Date of Last EDR Contact: 04/07/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/07/2003

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

NC HSDS: Hazardous Substance Disposal Site
Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 06/21/1995 — Date of Last EDR Contact: 06/02/2003
Database Release Frequency: Biennially — Date of Next Scheduled Update: 09/01/2003

NC BROWNFIELDS: Brownfields Projects Inventory
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 12/31/2002 — Date of Last EDR Contact: 05/06/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/04/2003

NC INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 4
Telephone: 404-562-9424

NC IMD: Incident Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Groundwater and/or soil contamination incidents

Date of Government Version: 04/24/2003 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/28/2003

NC OLI: Old Landfill Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-4996

Date of Government Version: 04/08/2003 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 07/28/2003

NC VCP: Responsible Party Voluntary Action Sites
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996

Date of Government Version: 06/05/2003 — Date of Last EDR Contact: 05/23/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 07/14/2003

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) 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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SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/14/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/2003
Date of Next Scheduled Update: 07/07/2003

EDR Site Report™

TOASTMASTER, INCORPORATED
OLD LAUREL HILL CHURCH RD
LAURINBURG, NC

Inquiry Number:

July 11, 2003

EDR® Environmental Data Resources, Inc.

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports ..... **Page 4**

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 TOASTMASTER, INCORPORATED OLD LAUREL HILL CHURCH RD LAURINBURG, NC EDR ID #S103554601
WASTE MANAGEMENT Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	YES - p4
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE DISPOSAL

Facility is listed as a state hazardous waste site

DATABASE: State Hazardous Waste Sites (SHWS)

TOASTMASTER, INCORPORATED
OLD LAUREL HILL CHURCH RD
LAURINBURG, NC
EDR ID #S103554601

SHWS:
Facility ID: NCD037160439
Facility Status: Not reported

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

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

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

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/09/2003 — Date of Last EDR Contact: 06/26/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 09/22/2003

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: 12/31/1999 — Date of Last EDR Contact: 06/16/2003
Database Release Frequency: Biennially — Date of Next Scheduled Update: 09/15/2003

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: 04/17/1995 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 09/08/2003

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/2003 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 09/08/2003

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: 03/26/2003 — Date of Last EDR Contact: 05/12/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/11/2003

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: 04/23/2003 — Date of Last EDR Contact: 04/07/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/07/2003

NC AST: AST Database
Source: Department of Environment and Natural Resources
Telephone: 919-715-6170
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 01/01/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/21/2003
Date of Next Scheduled Update: 07/21/2003

NC UST: Petroleum Underground Storage Tank Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
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: 02/11/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

NC LUST: Incidents Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
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: 03/07/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

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: 12/31/2002
Database Release Frequency: Annually
Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

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: 01/31/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 04/30/2003
Date of Next Scheduled Update: 07/21/2003

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
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: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/09/2003

PROPOSED NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported

Date of Government Version: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/05/2003

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
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: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/05/2003

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: 03/19/2003
Date Made Active at EDR: 04/08/2003
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/24/2003
Elapsed ASTM Days: 15
Date of Last EDR Contact: 06/23/2003

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.

Date of Government Version: 03/19/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/2003
Date of Next Scheduled Update: 09/22/2003

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
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.

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Telephone: 919-733-2090
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Database Release Frequency: Varies — Date of Next Scheduled Update: 08/04/2003

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Telephone: 404-562-9424

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Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Groundwater and/or soil contamination incidents

Date of Government Version: 04/24/2003 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/28/2003

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Date of Government Version: 04/08/2003 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 07/28/2003

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Telephone: 919-733-4996

Date of Government Version: 06/05/2003 — Date of Last EDR Contact: 05/23/2003
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SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

POTENTIAL SUPERFUND LIABILITY

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Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/14/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/2003
Date of Next Scheduled Update: 07/07/2003

EDR Site Report™

RYDER TRUCK RENTAL, INC.
HWY 15/501 / SR 1301
LAURINBURG, NC

Inquiry Number:

July 11, 2003

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
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Internet: www.edrnet.com

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

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Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports ..... **Page 4**

All available detailed information from databases where sites are identified.

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Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 RYDER TRUCK RENTAL, INC. HWY 15/501 / SR 1301 LAURINBURG, NC EDR ID #S105218301
WASTE MANAGEMENT Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	YES - p4
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

RYDER TRUCK RENTAL, INC.
HWY 15/501 / SR 1301
LAURINBURG, NC
EDR ID #S105218301

Database: NC LUST TRUST

LUST TRUST:

Facility ID :	0-008422
Site ID :	7742.00000
Site Note:	Not reported
Site Eligible?:	True
Commercial Find :	1.00000
Priority Rank:	Low
REIM Type:	0.00000
Cleanup Phase:	0.00000
50% Reimbursement Amt Commercial Fund:	0.00000
50% Reimbursement Check # Commercial Fund:	0.00000
Final Reimbursement Amt Commercial Fund:	27344.64000
Final Reimbursement Check # Commercial Fund:	558730.00000
50% Reimbursement Amt Non-Commercial Fund:	0.00000
50% Reimbursement Check # Non-Commercial Fund:	0.00000
Final Reimbursement Amt Non-Commercial Fund:	0.00000
Final Reimbursement Check # Non-Commercial Fund:	0.00000
Date of Work (starting):	/ /
Date of Work (ending):	/ /
Owner ID Number:	17.00000
Consultant ID Number:	0.00000
Owner/Consultant :	1.00000
Company Name:	Ryder Truck Rental, Inc.
Name:	James R Barr
Mailing Address:	3600 NW 82nd Avenue, 4C Miami, FL FL
Fed ID or SS Num:	59-0747035
Phone Number:	(305) 717-6409
REIM Type:	1.00000
Cleanup Phase:	0.00000
50% Reimbursement Amt Commercial Fund:	1242844.00000
50% Reimbursement Check # Commercial Fund:	1242844.00000
Final Reimbursement Amt Commercial Fund:	17140.79000
Final Reimbursement Check # Commercial Fund:	1275464.00000
50% Reimbursement Amt Non-Commercial Fund:	0.00000
50% Reimbursement Check # Non-Commercial Fund:	0.00000
Final Reimbursement Amt Non-Commercial Fund:	0.00000
Final Reimbursement Check # Non-Commercial Fund:	0.00000
Date of Work (starting):	08/03/1993
Date of Work (ending):	11/17/1995
Owner ID Number:	17.00000
Consultant ID Number:	1875.00000
Owner/Consultant :	1.00000
Company Name:	Ryder Truck Rental, Inc.
Name:	James R Barr
Mailing Address:	3600 NW 82nd Avenue, 4C Miami, FL FL
Fed ID or SS Num:	59-0747035
Phone Number:	(305) 717-6409
REIM Type:	1.00000
Cleanup Phase:	0.00000
50% Reimbursement Amt Commercial Fund:	0.00000
50% Reimbursement Check # Commercial Fund:	0.00000
Final Reimbursement Amt Commercial Fund:	5278.36000
Final Reimbursement Check # Commercial Fund:	1392047.00000
50% Reimbursement Amt Non-Commercial Fund:	0.00000
50% Reimbursement Check # Non-Commercial Fund:	0.00000
Final Reimbursement Amt Non-Commercial Fund:	0.00000
Final Reimbursement Check # Non-Commercial Fund:	0.00000
Date of Work (starting):	11/05/1995
Date of Work (ending):	07/13/1996
Owner ID Number:	17.00000
Consultant ID Number:	1875.00000
Owner/Consultant :	1.00000
Company Name:	Ryder Truck Rental, Inc.
Name:	James R Barr
Mailing Address:	3600 NW 82nd Avenue, 4C Miami, FL FL

Fed ID or SS Num:	59-0747035
Phone Number:	(305) 717-6409
3rd Party Deductable Amount:	100000.00000
Sum of 3rd Party Amounts Applied:	0.00000
Deductable Amount:	50000.00000
Deductable Reason Cod	8:00000
Reason Desc 1:	flat 50 k
Reason Desc 1:	94B(b)(1)
Unique number:	Not reported
Site name:	Not reported
Deductable amount:	Not reported
Location description:	Not reported
Status description:	Not reported
Tract date:	Not reported
Requested amount:	Not reported
Amount approved:	Not reported
Location code:	Not reported
Final Commercial Check Num:	Not reported
Final Commercial Check Amt:	Not reported
Final non commercial Amt:	Not reported
Final non commercial Amt check number:	Not reported
50% Payout Amount Commercial	Not reported
50% Payout Amount Non Commercial	Not reported
50% Payout Amount Check Commercial	Not reported
50% Payout Amount Check Non Commercial	Not reported
Track Date:	07/23/1996
Location :	10.00000
Status Code:	10.00000
Track User:	tammyb
Track Code:	2.00000
Track Date:	07/23/1996
Location :	30.00000
Status Code:	20.00000
Track User:	tammyb
Track Code:	2.00000
Track Date:	07/26/1996
Location :	30.00000
Status Code:	70.00000
Track User:	nettiel
Track Code:	2.00000
Track Date:	08/19/1996
Location :	30.00000
Status Code:	20.00000
Track User:	nettiel
Track Code:	2.00000
Track Date:	08/19/1996
Location :	30.00000
Status Code:	30.00000
Track User:	nettiel
Track Code:	2.00000
Track Date:	08/19/1996
Location :	30.00000
Status Code:	90.00000
Track User:	nettiel
Track Code:	2.00000
Track Date:	08/19/1996
Location :	34.00000
Status Code:	20.00000
Track User:	nettiel
Track Code:	2.00000
Track Date:	08/21/1996
Location :	34.00000
Status Code:	30.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	08/21/1996
Location :	34.00000
Status Code:	40.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	08/28/1996
Location :	34.00000
Status Code:	90.00000
Track User:	CindyP
Track Code:	2.00000
Track Date:	08/28/1996
Location :	38.00000
Status Code:	20.00000
Track User:	CindyP
Track Code:	2.00000
Track Date:	08/28/1996
Location :	38.00000
Status Code:	30.00000
Track User:	tammyb
Track Code:	2.00000

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Track Date:	08/28/1996
Location :	50.00000
Status Code:	20.00000
Track User:	tammyb
Track Code:	2.00000
Track Date:	09/16/1996
Location :	50.00000
Status Code:	90.00000
Track User:	tammyb
Track Code:	2.00000
Track Date:	09/16/1996
Location :	60.00000
Status Code:	20.00000
Track User:	tammyb
Track Code:	2.00000
Track Date:	08/22/1997
Location :	10.00000
Status Code:	10.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	08/22/1997
Location :	30.00000
Status Code:	20.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	09/26/1997
Location :	30.00000
Status Code:	30.00000
Track User:	nettiel
Track Code:	2.00000
Track Date:	09/26/1997
Location :	30.00000
Status Code:	90.00000
Track User:	nettiel
Track Code:	2.00000
Track Date:	09/30/1997
Location :	50.00000
Status Code:	20.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	10/02/1996
Location :	38.00000
Status Code:	90.00000
Track User:	tammyb
Track Code:	2.00000
Track Date:	12/10/1996
Location :	60.00000
Status Code:	30.00000
Track User:	shamimh
Track Code:	2.00000
Track Date:	12/10/1996
Location :	60.00000
Status Code:	40.00000
Track User:	shamimh
Track Code:	2.00000
Track Date:	12/11/1996
Location :	60.00000
Status Code:	90.00000
Track User:	GeorgeM
Track Code:	2.00000
Track Date:	12/11/1996
Location :	65.00000
Status Code:	20.00000
Track User:	GeorgeM
Track Code:	2.00000
Track Date:	10/30/1997
Location :	50.00000
Status Code:	90.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	10/30/1997
Location :	60.00000
Status Code:	20.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	11/05/1997
Location :	60.00000
Status Code:	30.00000
Track User:	shamimh
Track Code:	2.00000
Track Date:	11/05/1997
Location :	60.00000
Status Code:	40.00000
Track User:	shamimh
Track Code:	2.00000

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Track Date:	11/07/1997
Location :	60.00000
Status Code:	90.00000
Track User:	GeorgeM
Track Code:	2.00000
Track Date:	11/07/1997
Location :	65.00000
Status Code:	20.00000
Track User:	GeorgeM
Track Code:	2.00000
Track Date:	11/07/1997
Location :	65.00000
Status Code:	30.00000
Track User:	NETTIEL
Track Code:	2.00000
Track Date:	11/13/1997
Location :	65.00000
Status Code:	90.00000
Track User:	Batch
Track Code:	2.00000
Track Date:	11/14/1997
Location :	80.00000
Status Code:	10.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	09/06/1994
Location :	10.00000
Status Code:	10.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	09/26/1994
Location :	30.00000
Status Code:	50.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	10/27/1994
Location :	30.00000
Status Code:	60.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	11/30/1994
Location :	30.00000
Status Code:	50.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	12/30/1994
Location :	30.00000
Status Code:	80.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	01/17/1995
Location :	50.00000
Status Code:	20.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	01/18/1995
Location :	50.00000
Status Code:	30.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	01/25/1995
Location :	50.00000
Status Code:	90.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	01/26/1995
Location :	60.00000
Status Code:	20.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	02/09/1995
Location :	65.00000
Status Code:	30.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	02/24/1995
Location :	65.00000
Status Code:	90.00000
Track User:	Convert
Track Code:	2.00000
Track Date:	02/25/1995
Location :	80.00000
Status Code:	10.00000
Track User:	Convert
Track Code:	2.00000

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Track Date:	12/12/1996
Location :	65.00000
Status Code:	30.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	12/17/1996
Location :	65.00000
Status Code:	90.00000
Track User:	SueC
Track Code:	2.00000
Track Date:	12/17/1996
Location :	80.00000
Status Code:	10.00000
Track User:	SueC
Track Code:	2.00000

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

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

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

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/09/2003 — Date of Last EDR Contact: 06/26/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 09/22/2003

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: 12/31/1999 — Date of Last EDR Contact: 06/16/2003
Database Release Frequency: Biennially — Date of Next Scheduled Update: 09/15/2003

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: 04/17/1995 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 09/08/2003

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/2003 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 09/08/2003

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: 03/26/2003 — Date of Last EDR Contact: 05/12/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/11/2003

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: 04/23/2003 — Date of Last EDR Contact: 04/07/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/07/2003

NC AST: AST Database
Source: Department of Environment and Natural Resources
Telephone: 919-715-6170
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 01/01/2003 — Date of Last EDR Contact: 04/21/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 07/21/2003

NC UST: Petroleum Underground Storage Tank Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
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: 02/11/2003 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/08/2003

NC LUST: Incidents Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
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: 03/07/2003 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/08/2003

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: 12/31/2002 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/28/2003

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: 01/31/2003 — Date of Last EDR Contact: 04/30/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/21/2003

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
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: 04/30/2003 — Date of Data Arrival at EDR: 05/05/2003
Date Made Active at EDR: 06/02/2003 — Elapsed ASTM Days: 28
Database Release Frequency: Semi-Annually — Date of Last EDR Contact: 05/09/2003

PROPOSED NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported

Date of Government Version: 04/30/2003 — Date of Data Arrival at EDR: 05/05/2003
Date Made Active at EDR: 06/02/2003 — Elapsed ASTM Days: 28
Database Release Frequency: Semi-Annually — Date of Last EDR Contact: 05/05/2003

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
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: 04/30/2003 — Date of Data Arrival at EDR: 05/05/2003
Date Made Active at EDR: 06/02/2003 — Elapsed ASTM Days: 28
Database Release Frequency: Quarterly — Date of Last EDR Contact: 05/05/2003

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: 03/19/2003 — Date of Data Arrival at EDR: 03/24/2003
Date Made Active at EDR: 04/08/2003 — Elapsed ASTM Days: 15
Database Release Frequency: Quarterly — Date of Last EDR Contact: 06/23/2003

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.

Date of Government Version: 03/19/2003 — Date of Last EDR Contact: 06/23/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/22/2003

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
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: 10/15/1991 — Date of Data Arrival at EDR: 02/02/1994
Date Made Active at EDR: 03/30/1994 — Elapsed ASTM Days: 56
Database Release Frequency: No Update Planned — Date of Last EDR Contact: 05/27/2003

NC SHWS: Inactive Hazardous Sites Inventory
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
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: 04/08/2003 — Date of Last EDR Contact: 04/15/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/14/2003

NC SWF/LF: List of Solid Waste Facilities
Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
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: 04/29/2003 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 07/28/2003

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
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: 12/31/2000 — Date of Last EDR Contact: 06/27/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 09/22/2003

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: 12/31/2000 — Date of Last EDR Contact: 05/09/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/21/2003

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: 12/31/1998 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: N/A — Date of Next Scheduled Update: 09/08/2003

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.

Date of Government Version: 04/15/2003 — Date of Last EDR Contact: 06/23/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/22/2003

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: 04/15/2003 — Date of Last EDR Contact: 06/23/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/22/2003

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: Not reported
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: 03/19/2003 — Date of Last EDR Contact: 04/07/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/07/2003

NC HSDS: Hazardous Substance Disposal Site
Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 06/21/1995 — Date of Last EDR Contact: 06/02/2003
Database Release Frequency: Biennially — Date of Next Scheduled Update: 09/01/2003

NC BROWNFIELDS: Brownfields Projects Inventory
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 12/31/2002 — Date of Last EDR Contact: 05/06/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/04/2003

NC INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 4
Telephone: 404-562-9424

NC IMD: Incident Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Groundwater and/or soil contamination incidents

Date of Government Version: 04/24/2003 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/28/2003

NC OLI: Old Landfill Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-4996

Date of Government Version: 04/08/2003 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 07/28/2003

NC VCP: Responsible Party Voluntary Action Sites
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996

Date of Government Version: 06/05/2003 — Date of Last EDR Contact: 05/23/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 07/14/2003

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) 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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SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/14/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/2003
Date of Next Scheduled Update: 07/07/2003

EDR Site Report™

RYDER TRUCK RENTAL
HWY 15 & 501 RT 4
LAURINBURG, NC 28352

Inquiry Number:

July 11, 2003

Environmental Data Resources, Inc.

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports ..... **Page 4**

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information ..... **Page 6**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 RYDER TRUCK RENTAL HWY 15 & 501 RT 4 LAURINBURG, NC 28352 EDR ID #1004746016 EPA #NCD986189132
WASTE MANAGEMENT Facility generates hazardous waste (RCRIS)	YES - p4
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	YES - p5
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	2

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information System (RCRIS)

RYDER TRUCK RENTAL
HWY 15 & 501 RT 4
LAURINBURG, NC 28352
EDR ID #1004746016

Facility Name:	RYDER TRUCK RENTAL HWY 15 & 501 RT 4 LAURINBURG, NC 28352
Mailing Address:	BOX 33A LAURINBURG, NC 28352
Contact:	MIKE HYATT BOX 33A LAURINBURG, NC 28352 (910) 276-6432
EPA-ID:	NCD986189132
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: - generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or - generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: - 1 kg or less of acutely hazardous waste; or - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or - generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: - 1 kg or less of acutely hazardous waste; or - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste
Legal Status:	Private
Owner:	RYDER TRUCK RENTAL INC 3600 NW 82ND AVE MIAMI, FL 30559 - 3446 (305) 593-4466

MULTIMEDIA

Facility is listed in EPA's Index system

DATABASE: Facility Index System (FINDS)

RYDER TRUCK RENTAL
HWY 15 & 501 RT 4
LAURINBURG, NC 28352
EDR ID #1004746016

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report. Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

EPA-ID:	110007668522
EPA Records Indicate Facility Is Listed In:	Facility Registry System (FRS)
System ID:	110007668522
Facility Name:	RYDER TRUCK RENTAL
Facility Address:	HWY 15 & 501 RT 4 LAURINBURG, NC 28352
DUNS Number:	Not reported
US Fed Gov Facility:	Not reported
Indian Tribal Land:	No
Sic Code(s):	Not reported
Date Reported to Government:	200112120256

EPA-ID:	110007668522
EPA Records Indicate Facility Is Listed In:	Resource Conservation and Recovery Act Information system (RCRAINFO)
System ID:	NCD986189132
Facility Name:	RYDER TRUCK RENTAL
Facility Address:	HWY 15 & 501 RT 4 LAURINBURG, NC 28352
DUNS Number:	Not reported
US Fed Gov Facility:	No
Indian Tribal Land:	No
Sic Code(s):	Not reported
Date Reported to Government:	200112120256

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

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

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

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/09/2003 — Date of Last EDR Contact: 06/26/2003
Database Release Frequency: Varies — Date of Next Scheduled Update: 09/22/2003

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: 12/31/1999 — Date of Last EDR Contact: 06/16/2003
Database Release Frequency: Biennially — Date of Next Scheduled Update: 09/15/2003

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: 04/17/1995 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 09/08/2003

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/2003 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 09/08/2003

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: 03/26/2003 — Date of Last EDR Contact: 05/12/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/11/2003

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: 04/23/2003 — Date of Last EDR Contact: 04/07/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 07/07/2003

SECTION 3: DATABASES SEARCHED AND UPDATE DATES
...Continued...

NC AST: AST Database
Source: Department of Environment and Natural Resources
Telephone: 919-715-6170
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 01/01/2003 — Date of Last EDR Contact: 04/21/2003
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 07/21/2003

NC UST: Petroleum Underground Storage Tank Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
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: 02/11/2003 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/08/2003

NC LUST: Incidents Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
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: 03/07/2003 — Date of Last EDR Contact: 06/09/2003
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/08/2003

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: 12/31/2002 — Date of Last EDR Contact: 04/28/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/28/2003

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: 01/31/2003 — Date of Last EDR Contact: 04/30/2003
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/21/2003

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
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: 04/30/2003 — Date of Data Arrival at EDR: 05/05/2003
Date Made Active at EDR: 06/02/2003 — Elapsed ASTM Days: 28
Database Release Frequency: Semi-Annually — Date of Last EDR Contact: 05/09/2003

PROPOSED NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported

Date of Government Version: 04/30/2003 — Date of Data Arrival at EDR: 05/05/2003
Date Made Active at EDR: 06/02/2003 — Elapsed ASTM Days: 28
Database Release Frequency: Semi-Annually — Date of Last EDR Contact: 05/05/2003

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
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: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/05/2003

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: 03/19/2003
Date Made Active at EDR: 04/08/2003
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/24/2003
Elapsed ASTM Days: 15
Date of Last EDR Contact: 06/23/2003

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.

Date of Government Version: 03/19/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/2003
Date of Next Scheduled Update: 09/22/2003

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
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: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 05/27/2003

NC SHWS: Inactive Hazardous Sites Inventory
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
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: 04/08/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 04/15/2003
Date of Next Scheduled Update: 07/14/2003

NC SWF/LF: List of Solid Waste Facilities
Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
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: 04/29/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
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: 12/31/2000
Database Release Frequency: Annually
Date of Last EDR Contact: 06/27/2003
Date of Next Scheduled Update: 09/22/2003

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: 12/31/2000
Database Release Frequency: Annually
Date of Last EDR Contact: 05/09/2003
Date of Next Scheduled Update: 07/21/2003

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: 12/31/1998
Database Release Frequency: N/A
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

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.

Date of Government Version: 04/15/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/2003
Date of Next Scheduled Update: 09/22/2003

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: 04/15/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/2003
Date of Next Scheduled Update: 09/22/2003

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: Not reported
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: 03/19/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/07/2003
Date of Next Scheduled Update: 07/07/2003

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

NC HSDS: Hazardous Substance Disposal Site
Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 06/21/1995
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/02/2003
Date of Next Scheduled Update: 09/01/2003

NC BROWNFIELDS: Brownfields Projects Inventory
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 12/31/2002
Database Release Frequency: Varies

Date of Last EDR Contact: 05/06/2003
Date of Next Scheduled Update: 08/04/2003

NC INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 4
Telephone: 404-562-9424

NC IMD: Incident Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Groundwater and/or soil contamination incidents

Date of Government Version: 04/24/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

NC OLI: Old Landfill Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-4996

Date of Government Version: 04/08/2003
Database Release Frequency: Varies

Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

NC VCP: Responsible Party Voluntary Action Sites
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996

Date of Government Version: 06/05/2003
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/23/2003
Date of Next Scheduled Update: 07/14/2003

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) 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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SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/14/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/2003
Date of Next Scheduled Update: 07/07/2003

Appendix D
Sanborn Certificate of No Coverage and City Directory Abstract

Environmental Data Resources, Inc.

"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Rick Tarravechia
ERM - Southeast, Inc.
7300 Carmel Executive Park
Charlotte, NC 28226

Customer Project: gojo
1411019SXM 704-541-8345

Order Date: 7/3/2003 **Completion Date:** 7/7/2003
Inquiry #: 1006748.3s
P.O. #: GOJO
Site Name: Abbott Laboratories
Address: 16900 N US 15/401 Bypass
City/State: Laurinburg, NC 28352
Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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The EDR-City Directory *Abstract*

Abbott Laboratories
16900 Aberdeen Road
Laurinburg, NC 28352

July 11, 2003

Inquiry Number: 1006748-4

Environmental Data Resources, Inc.

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Environmental Data Resources, Inc.
City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.4, page 12.)

EDR's City Directory Abstract includes a search and abstract of available city directory data.

City Directories
City directories have been published for cities and towns across the U.S. since the 1700s. Originally a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. Twentieth century directories are generally divided into three sections: a business index, a list of resident names and addresses, and a street index. With each address, the directory lists the name of the resident or, if a business is operated from this address, the name and type of business (if unclear from the name). While city directory coverage is comprehensive for major cities, it may be spotty for rural areas and small towns. ASTM E 1527-00 specifies that a *"review of city directories (standard historical sources) at less than approximately five year intervals is not required by this practice." (ASTM E 1527-00, Section 7.3.4, page 12.)*

Please call EDR Nationwide Customer Service at
1-800-352-0050 (8am-8pm EST)
with questions or comments about your report.
Thank you for your business!

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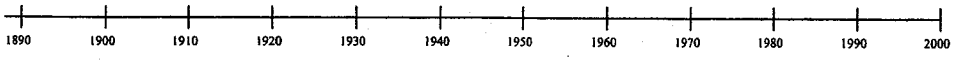
Environmental Data Resources, Inc.

Prior Use Report® Timeline

Target Property



Legend:

= Historical Topographic Map (HT)

= National Wetland Inventory Map (WT) *

= Flood Prone/FEMA Maps (FP/FR) *

= Aerial Photos Included (P) *

= Aerial Photos Available *

= Residential (R)

= Commercial or Industrial (C)

Superscript number corresponds to graph ID in text

**Displayed on timeline when aerial photos, flood prone, FEMA, wetland maps, or Aerial Research Summary are purchased.*

Target Property:	Abbott Laboratories	**Customer:**	ERM - Southeast, Inc.
Address:	16900 Aberdeen Road	**Contact:**	Rick Tarravechia
City/State/Zip:	Laurinburg, NC 28352	**Inquiry #:**	1006748-4
		Date:	7/11/2003

page 1

4. SUMMARY

- *City Directories:*

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1964 through 2003. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources:
City Directories Jul 11, 2003

Target Property:
16900 Aberdeen Road
Laurinburg, NC 28352

PUR ID		
Year	*Uses*	*Source*
-- 1964	Address not Listed in Research Source	Polk City Directory
-- 1969	Address not Listed in Research Source	Polk City Directory
-- 1973	Address not Listed in Research Source	Polk City Directory
-- 1978	Address not Listed in Research Source	Polk City Directory
-- 1983	Address not Listed in Research Source	Polk City Directory
-- 1988	Address not Listed in Research Source	Polk City Directory
-- 1993	Address not Listed in Research Source	Polk City Directory
-- 1998	Address not Listed in Research Source	Polk City Directory
-- 2003	Address not Listed in Research Source	Polk City Directory

Adjoining Properties

SURROUNDING
Multiple Addresses
Laurinburg, NC 28352

PUR ID		
Year	*Uses*	*Source*
1964	Address not Listed in Research Source	Polk City Directory
1969	Address not Listed in Research Source	Polk City Directory
1973	Address not Listed in Research Source	Polk City Directory
1978	Address not Listed in Research Source	Polk City Directory
1983	Address not Listed in Research Source	Polk City Directory
1988	Address not Listed in Research Source	Polk City Directory
1993	Address not Listed in Research Source	Polk City Directory
1998	Address not Listed in Research Source	Polk City Directory
2003	****ABERDEEN RD****	Polk City Directory
	Dean Lucas Painting (17160)	
	Paul's Tire Svc (17160)	
	RJ Signs (17160)	
	-No other addresses within range	

EDR Site Report™

NIC'C PIC KWIK #1
HWY 501 N PO BOX 1206
LAURINBURG, NC 28352

Inquiry Number:

July 13, 2003

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports ..... **Page 4**

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information ..... **Page 8**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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SECTION 1: FACILITY SUMMARY

AREA	FACILITY FACILITY 1 NIC'C PIC KWIK #1 HWY 501 N PO BOX 1206 LAURINBURG, NC 28352 EDR ID #U003414902
WASTE MANAGEMENT Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

WASTE MANAGEMENT

Facility manages registered underground storage tanks

DATABASE: Petroleum Storage Tank Database (UST)

NIC'C PIC KWIK #1
HWY 501 N PO BOX 1206
LAURINBURG, NC 28352
EDR ID #U003414902

UST:

Facility ID:	0-021862
Telephone:	(910) 276-8908
Owner name :	CHARLES D NICHOLS
Owner Address:	HWY 501N, PO BOX 1206
	LAURINBURG, NC 28352
Owner Phone :	(910) 276-0050
Tank capacity :	6000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	FRP
Exterior Protection:	FRP
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Automatic tank guaging
Leak Detection Type 2:	Inventory control
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	Steel/FRP composite
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Automatic shutoff devices
Financial Responsiblity :	State funds
Region:	06
Tank ID:	Not reported
Date installed:	07/13/1987
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	C
Corrosion Protection Piping Date:	Not reported
Overfill:	A
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	STATE FUND
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200202033O
Date Last Certified:	12/27/2001
Begin Certified Number:	20020101
End Certified Number:	20021231
Lat/Long :	34.80131 / 79.45797
Lat/Long 1 :	34 48 04.7 / 79 27 28.7
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	MAM

Facility ID:	0-021862
Telephone:	(910) 276-8908
Owner name :	CHARLES D NICHOLS
Owner Address:	HWY 501N, PO BOX 1206
	LAURINBURG, NC 28352
Owner Phone :	(910) 276-0050
Tank capacity :	4000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	Cathodic Protection
Exterior Protection:	FRP
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Automatic tank guaging
Leak Detection Type 2:	Inventory control

Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Automatic shutoff devices
Financial Responsiblity :	State funds
Region:	06
Tank ID:	Not reported
Date installed:	07/13/1987
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	C
Corrosion Protection Piping Date:	Not reported
Overfill:	A
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	STATE FUND
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200202033O
Date Last Certified:	12/27/2001
Begin Certified Number:	20020101
End Certified Number:	20021231
Lat/Long :	34.80131 / 79.45797
Lat/Long 1 :	34 48 04.7 / 79 27 28.7
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	MAM

Facility ID:	0-021862
Telephone:	(910) 276-8908
Owner name :	CHARLES D NICHOLS
Owner Address:	HWY 501N, PO BOX 1206
	LAURINBURG, NC 28352
Owner Phone :	(910) 276-0050
Tank capacity :	6000
Comment :	Not reported
Tank product :	Gasoline, Gasoline Mixture
Tank material :	Steel
Interior Protection:	FRP
Exterior Protection:	FRP
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Automatic tank guaging
Leak Detection Type 2:	Inventory control
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	Steel/FRP composite
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Automatic shutoff devices
Financial Responsiblity :	State funds
Region:	06
Tank ID:	Not reported
Date installed:	07/13/1984
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	C
Corrosion Protection Piping Date:	Not reported
Overfill:	A
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	STATE FUND
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200202033O
Date Last Certified:	12/27/2001
Begin Certified Number:	20020101
End Certified Number:	20021231
Lat/Long :	34.80131 / 79.45797
Lat/Long 1 :	34 48 04.7 / 79 27 28.7
GPS String Confirmed:	Yes

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Initials of Individual Confirming GPS:	MAM

Facility ID:	0-021862
Telephone:	(910) 276-8908
Owner name :	CHARLES D NICHOLS
Owner Address:	HWY 501N, PO BOX 1206
	LAURINBURG, NC 28352
Owner Phone :	(910) 276-0050
Tank capacity :	1000
Comment :	Not reported
Tank product :	Kerosene, Kerosene Mixture
Tank material :	Steel
Interior Protection:	Cathodic Protection
Exterior Protection:	FRP
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Automatic tank guaging
Leak Detection Type 2:	Inventory control
Leak Detection Piping 1:	Line tightness testingg
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Automatic shutoff devices
Financial Responsibility :	State funds
Region:	06
Tank ID:	Not reported
Date Installed:	07/13/1984
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	C
Corrosion Protection Piping Date:	Not reported
Overfill:	A
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	STATE FUND
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200202033O
Date Last Certified:	12/27/2001
Begin Certified Number:	20020101
End Certified Number:	20021231
Lat/Long :	34.80131 / 79.45797
Lat/Long 1 :	34 48 04.7 / 79 27 28.7
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	MAM

Facility ID:	0-021862
Telephone:	(910) 276-8908
Owner name :	CHARLES D NICHOLS
Owner Address:	HWY 501N, PO BOX 1206
	LAURINBURG, NC 28352
Owner Phone :	(910) 276-0050
Tank capacity :	4000
Comment :	Not reported
Tank product :	Diesel, Diesel Mixture
Tank material :	Steel
Interior Protection:	Cathodic Protection
Exterior Protection:	FRP
Piping material :	FRP
Certify Type :	Not reported
Leak Detection Type :	Automatic tank guaging
Leak Detection Type 2:	Inventory control
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	Not reported
Spill and Overfill :	Automatic shutoff devices
Financial Responsibility :	State funds
Region:	06
Tank ID:	Not reported
Date Installed:	07/13/1984
Date removed:	Not reported
Status:	Currently In Use
Compartment Tank :	No
Main Tank :	No
Product Type:	NON
Piping System Type Code:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Piping System Type Description:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Piping:	C
Corrosion Protection Piping Date:	Not reported
Overfill:	A
Spill Overfill Date:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	STATE FUND
Surface Water:	Not reported
Water Supply Well:	Not reported
Tank Last Used Date:	Not reported
Tank Certified Number:	200202033O
Date Last Certified:	12/27/2001
Begin Certified Number:	20020101
End Certified Number:	20021231
Lat/Long :	34.80131 / 79.45797
Lat/Long 1 :	34 48 04.7 / 79 27 28.7
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	MAM

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

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

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

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/09/2003
Database Release Frequency: Varies
Date of Last EDR Contact: 08/26/2003
Date of Next Scheduled Update: 09/22/2003

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: 12/31/1999
Database Release Frequency: Biennially
Date of Last EDR Contact: 06/16/2003
Date of Next Scheduled Update: 09/15/2003

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: 04/17/1995
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

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: 03/26/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 05/12/2003
Date of Next Scheduled Update: 08/11/2003

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: 04/23/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/07/2003
Date of Next Scheduled Update: 07/07/2003

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

NC AST: AST Database
Source: Department of Environment and Natural Resources
Telephone: 919-715-6170
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 01/01/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/21/2003
Date of Next Scheduled Update: 07/21/2003

NC UST: Petroleum Underground Storage Tank Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
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: 02/11/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

NC LUST: Incidents Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
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: 03/07/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

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: 12/31/2002
Database Release Frequency: Annually
Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

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: 01/31/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 04/30/2003
Date of Next Scheduled Update: 07/21/2003

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
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: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/09/2003

PROPOSED NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported

Date of Government Version: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/05/2003

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
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: 04/30/2003
Date Made Active at EDR: 06/02/2003
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/05/2003
Elapsed ASTM Days: 28
Date of Last EDR Contact: 05/05/2003

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: 03/19/2003
Date Made Active at EDR: 04/08/2003
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/24/2003
Elapsed ASTM Days: 15
Date of Last EDR Contact: 06/23/2003

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.

Date of Government Version: 03/19/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/2003
Date of Next Scheduled Update: 09/22/2003

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
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: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 05/27/2003

NC SHWS: Inactive Hazardous Sites Inventory
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
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: 04/08/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 04/15/2003
Date of Next Scheduled Update: 07/14/2003

NC SWF/LF: List of Solid Waste Facilities
Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
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: 04/29/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
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: 12/31/2000
Database Release Frequency: Annually
Date of Last EDR Contact: 06/27/2003
Date of Next Scheduled Update: 09/22/2003

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: 12/31/2000
Database Release Frequency: Annually
Date of Last EDR Contact: 05/09/2003
Date of Next Scheduled Update: 07/21/2003

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: 12/31/1998
Database Release Frequency: N/A
Date of Last EDR Contact: 06/09/2003
Date of Next Scheduled Update: 09/08/2003

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.

Date of Government Version: 04/15/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/2003
Date of Next Scheduled Update: 09/22/2003

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: 04/15/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/23/2003
Date of Next Scheduled Update: 09/22/2003

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: Not reported
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: 03/19/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/07/2003
Date of Next Scheduled Update: 07/07/2003

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

NC HSDS: Hazardous Substance Disposal Site
Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 06/21/1995
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/02/2003
Date of Next Scheduled Update: 09/01/2003

NC BROWNFIELDS: Brownfields Projects Inventory
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 12/31/2002
Database Release Frequency: Varies

Date of Last EDR Contact: 05/06/2003
Date of Next Scheduled Update: 08/04/2003

NC INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 4
Telephone: 404-562-9424

NC IMD: Incident Management Database
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Groundwater and/or soil contamination incidents

Date of Government Version: 04/24/2003
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

NC OLI: Old Landfill Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-4996

Date of Government Version: 04/08/2003
Database Release Frequency: Varies

Date of Last EDR Contact: 04/28/2003
Date of Next Scheduled Update: 07/28/2003

NC VCP: Responsible Party Voluntary Action Sites
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996

Date of Government Version: 06/05/2003
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/23/2003
Date of Next Scheduled Update: 07/14/2003

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) 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.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/14/2003
Database Release Frequency: Quarterly

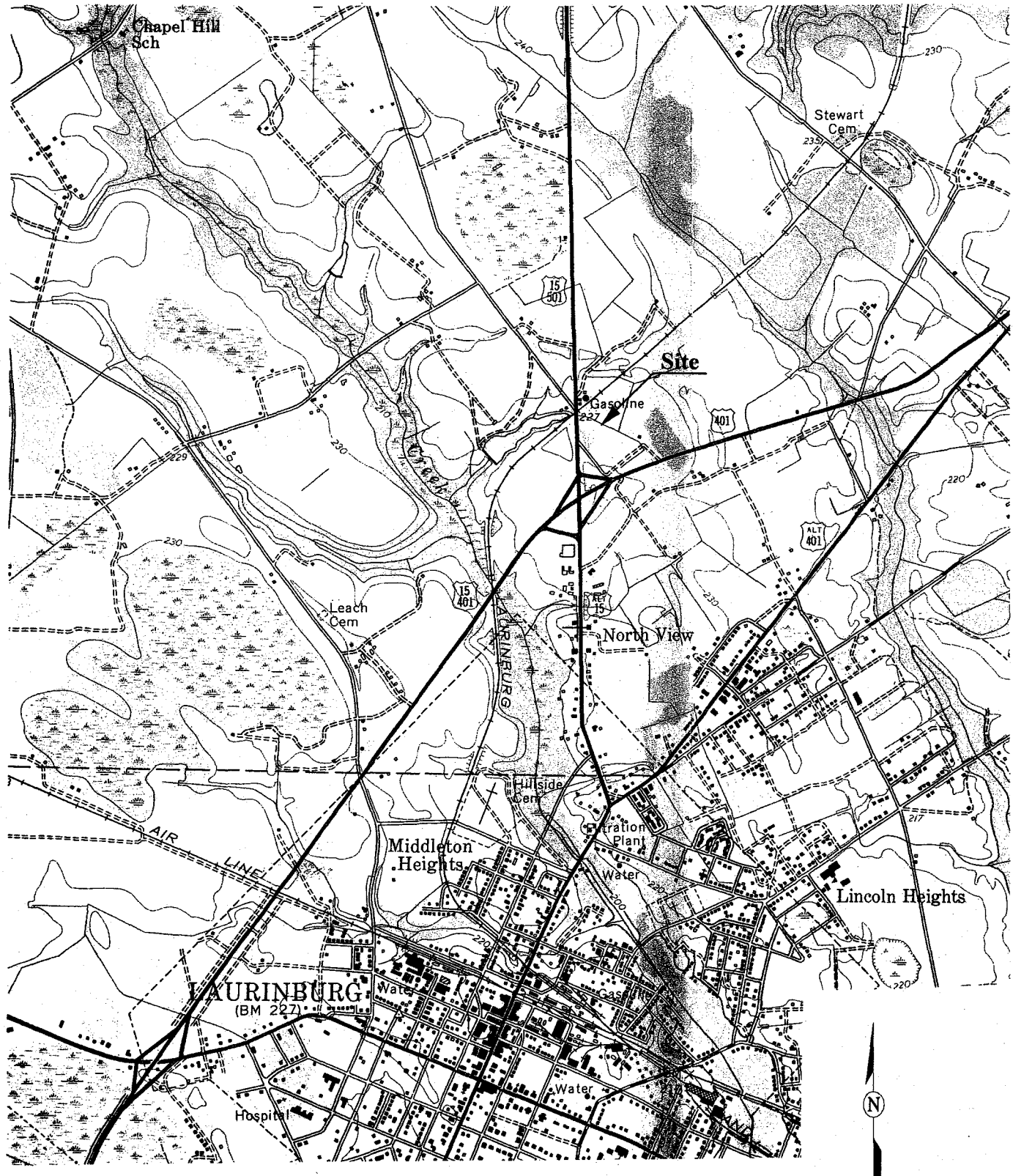
Date of Last EDR Contact: 04/07/2003
Date of Next Scheduled Update: 07/07/2003

Appendix E
Historical Topographic Maps

Source: Laurinburg, NC 7.5 Minute Topographic Quadrangle, 1949; Contour Interval = 10 feet

SCALE: 1 INCH = 5,280 FEET

ERM Environmental Resources Management	1949 HISTORICAL TOPOGRAPHIC MAP FORMER ABBOTT LABORATORIES LAURINBURG, NORTH CAROLINA	FIGURE E1



Source: Laurinburg, NC 7.5 Minute Topographic Quadrangle, 1957; Contour Interval = 10 feet

SCALE: 1 INCH = 2,000 FEET

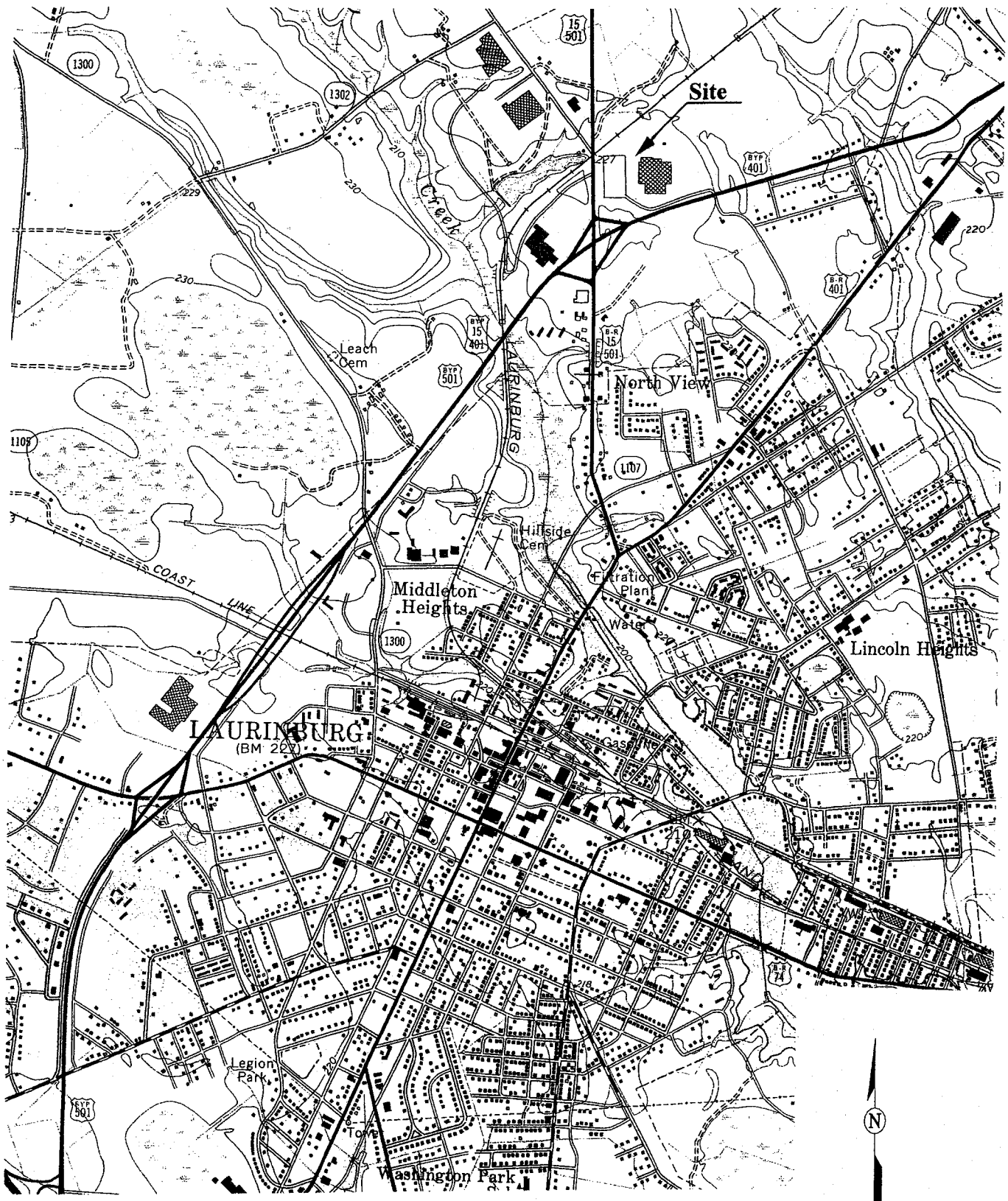
ERM

Environmental Resources Management

1957 HISTORICAL TOPOGRAPHIC MAP
FORMER ABBOTT LABORATORIES
LAURINBURG, NORTH CAROLINA

FIGURE

E2



Source: Laurinburg, NC 7.5 Minute Topographic Quadrangle, 1957 (photo-revised 1982); Contour Interval = 10 feet

SCALE: 1 INCH = 2,000 FEET

ERM Environmental Resources Management	1982 HISTORICAL TOPOGRAPHIC MAP FORMER ABBOTT LABORATORIES LAURINBURG, NORTH CAROLINA	FIGURE E3

Appendix F
Chain-of-Title Information

BOOK 5 PAGE 60

STATE OF NORTH CAROLINA,

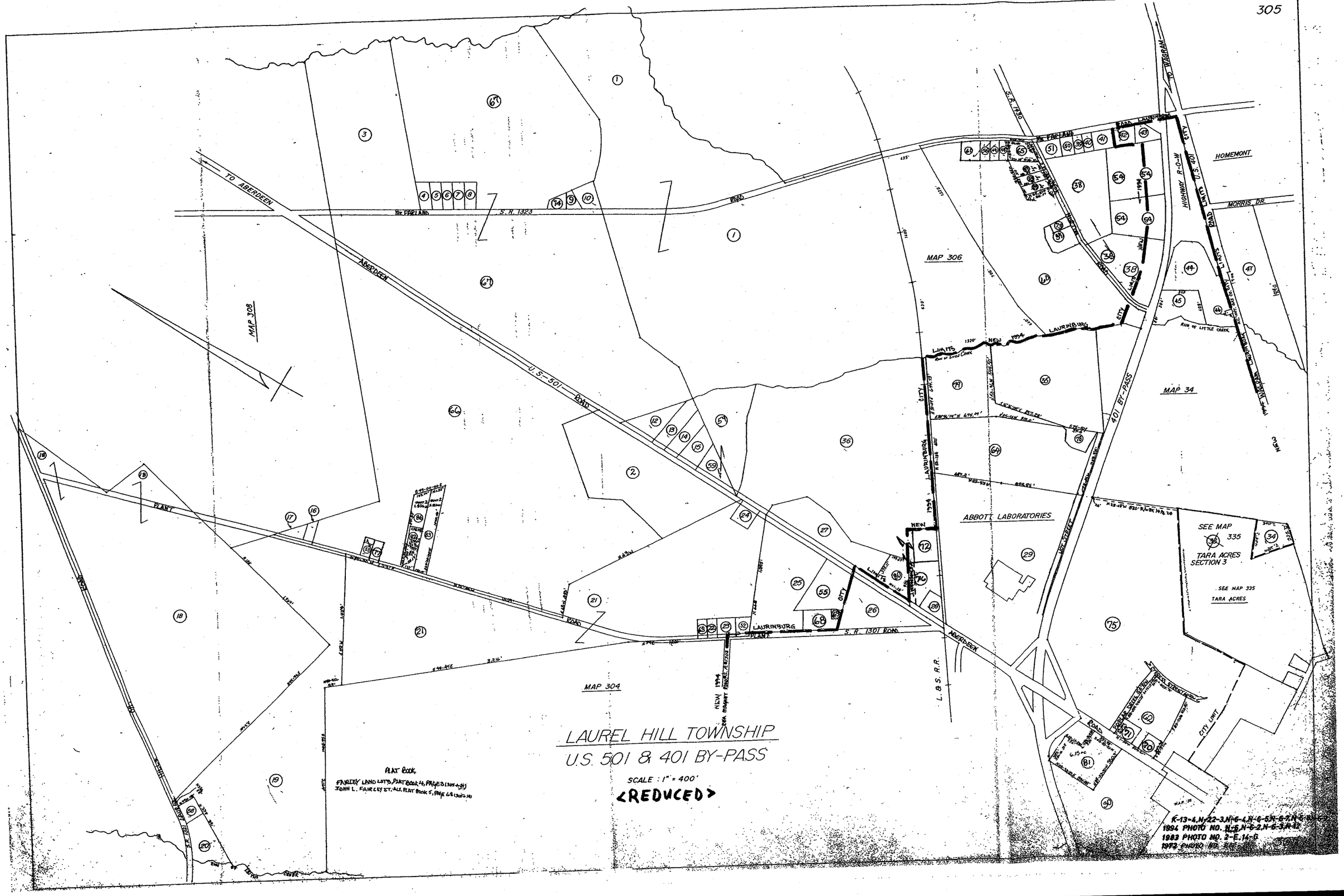
COUNTY OF SCOTLAND.

THIS DEED, made and entered into as of this the 13th day of June, 1969, by and between McNAIR INVESTMENT COMPANY, a corporation organized and existing under and by virtue of the laws of the State of North Carolina, with its principal office in the City of Laurinburg, Scotland County, North Carolina, party of the first part; to ABBOTT LABORATORIES, 14th and Sheridan Road, North Chicago, Illinois, party of the second part;

W I T N E S S E T H :

That the said party of the first part in consideration of TEN ($10.00) DOLLARS and other valuable consideration to it paid by the said party of the second part, the receipt of which is hereby acknowledged, has bargained and sold, and by these presents does bargain, sell, and convey unto the said party of the second part and its successors and assigns, all of that certain tract or parcel of land lying and being in Laurel Hill Township, Scotland County, North Carolina, in the northeast quadrant of the intersection of U. S. Highway 401 By-Pass and U. S. Highway 15 and 501, and being more particularly described as follows:

BEGINNING at a concrete monument at the intersection of the eastern right of way line of U. S. Highway 15 and 501 with the southern right of way line of the Laurinburg and Southern Railroad; thence along the southern right of way line of the Laurinburg and Southern Railroad, North 50 degrees 15 minutes East 1682.25 feet to an iron stake; thence a new line, South 25 degrees 53 minutes East 1586.05 feet to a concrete monument in the northern right of way line of U. S. Highway 401 By-Pass; thence along the northern right of way line


TO ABERDEEN
ABERDEEN
U.S. 501 ROAD
S.R. 1323
MAP 308
MAP 306
MAP 304
MAP 34
HOMEMONT
MORRIS DR.
HIGHWAY R-O-W
U.S. 401
401 BY-PASS
LAURINBURG
LIMITS
NEW 1994
RUN OF LITTLE CREEK
ABBOTT LABORATORIES
SEE MAP 335
TARA ACRES SECTION 3
SEE MAP 335
TARA ACRES
CITY LIMIT
L.&S. R.R.
PLANT
ROAD
S.R. 1301 ROAD
PLAT BOOK
FAIRLEY LAND LOTS, PLAT BOOK 4, PAGES 3 (305-4-31)
JOHN L. FAIRLEY ET. ALS. PLAT BOOK 5, PAGE 68 (305-3-31)
LAUREL HILL TOWNSHIP
U.S. 501 & 401 BY-PASS
SCALE : 1" = 400'
<REDUCED>
K-13-4, N-22-3, N-6-4, N-6-5, N-6-7, N-6-8
1994 PHOTO NO. N-6, N-6-2, N-6-3, N-42
1983 PHOTO NO. 2-E.14-G
1972 PHOTO NO.

Appendix G
DENR File Review Materials –
Air Quality

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Air Quality

Michael F. Easley, Governor

William G. Ross, Jr., Secretary
B. Keith Overcash, P.E., Director

December 6, 2002

Mr. John Robbins, HPD EHS
Abbott Laboratories
Department 067C Building AT4A
100 Abbott Park Road
Abbott Park, IL 60064-3500

Subject: **Rescission of Air Quality Permit**
Abbott Laboratories, Hospital Products Division
Air Permit No.: 03921R07
Laurinburg, Scotland County, North Carolina 06/8300001
Fee Class: Synthetic Minor

Dear Mr. Robbins:

The Fayetteville Regional Office received your electronic mail dated November 25, 2002, requesting the rescission of your air permit. In response, the Division will rescind Air Quality Permit No. 03921R07, issued to Abbott Laboratories, Hospital Products Division. No further compliance inspections will be scheduled pertaining to this permit. However, should you decide to conduct any operations requiring an Air Quality Permit, you will first need to apply through the Division of Air Quality.

Please be advised that operating an air contaminant source without the proper permit could be considered a violation of NCGS 143-215.108. Also, NCGS 143-215.114 provides that a "civil penalty of not more than ten thousand dollars ($10,000) may be assessed against any person who is required but fails to apply for or to secure a permit required by NCGS 143-215.108."

Should you have any questions about this matter, please contact Ms. Rhonda Hall, Environmental Engineer, at (910) 486-1541.

Sincerely,

Steven F. Vozzo
Air Quality Regional Supervisor

SFV/rbh

c: AQ Central Files
FRO Files

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Air Quality

Michael F. Easley, Governor

William G. Ross, Jr., Secretary
Alan Klimek, P.E., Director

February 27, 2002

Mr. Jack C. Strum, Plant Manager
Abbott Laboratories - Hospital Products Division
PO Box 1009
Laurinburg, NC 28353

Subject: **Air Permit No. 03921R07**
Abbott Laboratories, Hospital Products Division
Laurinburg, Scotland County, North Carolina
Fee Class: Synthetic Minor
Site Number: 06/83-00001

Dear Mr. Strum:

In accordance with your application received December 28, 2001, and all additional information received through January 14, 2002, we are forwarding herewith Permit No. 03921R07 to Abbott Laboratories - Hospital Products Division, Laurinburg, Scotland County, North Carolina for the construction and operation of air emissions sources or air cleaning devices and appurtenances. Additionally, any emissions activities determined from your air permit application as meeting the exemption requirements contained in 15A NCAC 2Q .0102 have been listed for information purposes as an "ATTACHMENT" to the enclosed air permit. Please note the records retention requirements are contained in General Condition 2 of the General Conditions and Limitations.

If any parts, requirements, or limitations contained in this permit are unacceptable to you, you have the right to request a formal adjudicatory hearing within 30 days following receipt of this permit, identifying the specific issues to be contested. Such a request will stay the effectiveness of the entire permit. This hearing request must be in the form of a written petition, conforming to G.S. 150B-23 of the North Carolina General Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. The form for requesting a formal adjudicatory hearing may be obtained upon request from the Office of Administrative Hearings. Unless a request for a hearing is made pursuant to G.S. 150B-23, this air permit shall be final and binding.

You may request modification of your air permit through informal means pursuant to G.S. 150B-22. This request must be submitted in writing to the Director and must identify the specific provisions or issues for which the modification is sought. Please note that the permit will become final and binding regardless of a request for informal modification unless a request for a hearing is also made under G.S. 150B-23.

Unless exempted by a condition of this permit or the regulations, construction of new air pollution sources or air cleaning devices, or modifications to the sources or air cleaning devices described in this permit must be covered under a permit issued by the Division of Air Quality prior to construction. Failure to do so is a violation of G.S. 143-215.108 and may subject the Permittee to civil or criminal penalties as described in G.S. 143-215.114A and 143-215.114B.

This permit shall be effective from February 27, 2002 until January 31, 2007, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein.

Should you have any questions concerning this matter, please contact Ms. Rhonda Hall at (910) 486-1541.

Sincerely,

Steven F. Vozzo
Regional Air Quality Supervisor

Enclosures

c: DAQ Central Files
FRO Files

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF AIR QUALITY

AIR PERMIT NO. 03921R07

Issue Date:	February 27, 2002	Effective Date:	Februray 27, 2002
Expiration Date:	January 31, 2007	Replaces Permit:	03921R06

To construct and operate air emission source(s) and/or air cleaning device(s), and for the discharge of the associated air contaminants into the atmosphere in accordance with the provisions of Article 21B of Chapter 143, General Statutes of North Carolina (NCGS) as amended, and other applicable Laws, Rules and Regulations,

Abbott Laboratories
Hospital Products Division
Highway 401/15-501
Laurinburg, Scotland County, North Carolina
Fee Class: Synthetic Minor
Site Number: 06/83-00001

(the Permittee) is hereby authorized to construct and operate the air emissions sources and/or air cleaning devices and appurtenances described below:

1. One (1) Device Manufacturing Operation (ID No. ES-2), consisting of the following:

   a. Two (2) solvent seal areas (ID Nos. EP-1 and EP-4)

   b. Two (2) specialty sets areas (ID Nos. EP-2 and EP-3)

2. One (1) natural gas/No. 2 fuel oil-fired boiler (ID No. ES-3, 8.4 million Btu per hour heat input)

3. One (1) natural gas/No. 2 fuel oil-fired boiler (ID No. ES-4, 4.2 million Btu per hour heat input)

in accordance with the application (No. 8300001.01A) received December 28, 2001, and all additional information received through January 14, 2002, including any plans, specifications, previous applications, and other supporting data, all of which are filed with the Department of Environment and Natural Resources, Division of Air Quality (DAQ) and are incorporated as part of this permit.

This permit is subject to the following specified conditions and limitations including any TESTING, REPORTING, OR MONITORING REQUIREMENTS:

A. SPECIFIC CONDITIONS AND LIMITATIONS

1. Any air emission sources or control devices authorized to construct and operate above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including Title 15A North Carolina Administrative Code (NCAC), Subchapter 2D .0503, .0516, .0521, .0535, .0958, .1100, .1806 and 2Q .0315.

2. **PARTICULATE CONTROL REQUIREMENT** - As required by 15A NCAC 2D .0503 "Particulates from Fuel Burning Indirect Heat Exchangers," particulate matter emissions from the fuel burning indirect heat exchangers shall not exceed allowable emission rates listed below:

Source	Emission Limit(s)
Boilers (ID Nos. ES-3 & ES-4)	0.56 pounds per million Btu

3. The Permittee shall take all reasonable precautions with any operation, process, handling, transportation, or storage facilities to prevent fugitive particulate and/or volatile organic compound emissions from becoming airborne.

4. **SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES** - As required by 15A NCAC 2D .0516 "Sulfur Dioxide Emissions from Combustion Sources," sulfur dioxide emissions from the combustion sources (boliers [ID Nos. ES-3 & ES-4] shall not exceed 2.3 pounds per million Btu heat input).

5. **CONTROL OF VISIBLE EMISSIONS** - As required by 15A NCAC 2D .0521, "Control of Visible Emissions," visible emissions from each emission source established after July 1, 1971, including the boiler (ID No. ES-3), shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 87 percent opacity may occur not more than once in any hour nor more than four (4) times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.

6. **CONTROL OF VISIBLE EMISSIONS** - As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from each emission source existing as of July 1, 1971, including the boiler (ID NO. ES-4), shall not be more than 40 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 90 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.

7. **WORK PRACTICES FOR SOURCES OF VOLATILE ORGANIC COMPOUNDS** - Pursuant to 15A NCAC 2D .0958 and 2D .0902, for all sources that use volatile organic compounds (VOC) as solvents, carriers, material processing media, or industrial chemical, or in similar uses that mix, blend, or manufacture volatile organic compounds, or emit volatile organic compounds as a product of chemical reactions, and whose emissions of VOC are greater than 15 pounds per day, the Permittee shall comply with the following:

a. The Permittee shall:

i. store all material, including waste material, containing volatile organic compounds in tanks or in containers covered with a tightly fitting lid that is free of cracks, holes, or other defects, when not in use,

ii. clean up spills of volatile organic compounds as soon as possible following proper safety procedures,

iii. store wipe rags containing volatile organic compounds in closed containers,

iv. not clean sponges, fabric, wood, paper products, and other absorbent materials with volatile organic compounds,

v. transfer solvents containing volatile organic compounds used to clean supply lines and other coating equipment into closable containers and close such containers immediately after each use, or transfer such solvents to closed tanks, or to a treatment facility regulated under section 402 of the Clean Water Act, and

vi. clean mixing, blending, and manufacturing vats and containers containing volatile organic compounds by adding cleaning solvent and close the vat or container before agitating the cleaning solvent. The spent cleaning solvent shall then be transferred into a closed container, a closed tank or a treatment facility regulated under section 402 of the Clean Water Act.

b. When cleaning parts with a solvent containing a volatile organic compound, the Permittee shall:

i. flush parts in the freeboard area,

ii. take precautions to reduce the pooling of solvent on and in the parts,

iii. tilt or rotate parts to drain solvent and allow a minimum of 15 seconds for drying or until all dripping has stopped, whichever is longer,

iv. not fill cleaning machines above the fill line, and

v. not agitate solvent to the point of causing splashing.

8. **CONTROL AND PROHIBITION OF ODOROUS EMISSIONS** - As required by 15A NCAC 2D .1806 "Control and Prohibition of Odorous Emissions," the Permittee shall not operate the facility without implementing management practices or installing and operating odor control equipment sufficient to prevent odorous emissions from the facility from causing or contributing to objectionable odors beyond the facility's boundary.

9. **LIMITATION TO AVOID 15A NCAC 2Q .0501** - Pursuant to 15A NCAC 2Q .0315 "Synthetic Minor Facilities," to avoid the applicability of 15A NCAC 2Q .0501 "Purpose of Section and Requirement for a Permit," as requested by the Permittee, facility-wide hazardous air pollutants (HAPs) emissions shall be less than 10 tons per consecutive 12-month period of any individual hazardous air pollutant, and less than 25 tons per consecutive 12-month period of all hazardous air pollutants combined.

   a. **Operations Restrictions** - To ensure emissions do not exceed the limitations above, the following restrictions shall apply:

      i. Facility-wide emissions shall be less than 10 tons per consecutive 12-month period of any individual hazardous air pollutant

      ii. Facility-wide emissions shall be less than 25 tons per consecutive 12-month period of all hazardous air pollutants combined

   b. **Quarterly Reporting Requirements** - For compliance purposes, within thirty (30) days after each calendar year quarter, the following shall be reported to the Regional Supervisor, Division of Air Quality:

      i. the greatest quantity in pounds of an individual HAP used during the previous twelve (12) months.

      ii. the total pounds of all HAPs used during the previous twelve (12) months.

   c. **Records Maintenance Requirement** - The Permittee shall maintain purchase orders and invoices of materials used that are federally - listed hazardous air pollutants (HAPs). These purchase orders and invoices shall be maintained for a period of at least three years and made available to DAQ personnel upon request.

   d. **Notification Requirement** - The Permittee shall report to the Regional Supervisor, DAQ, any exceedance of this requirement within one week of occurrence, and

   e. **Certification Requirement**- The Permittee shall certify all submittals as to the truth, completeness, and accuracy of all information recorded and reported over the signature of the appropriate official as identified in rule 15A NCAC 2Q .0304(j) "Applications."

Compliance with the recordkeeping and reporting requirements contained in this specific condition shall not relieve the Permittee from the requirement to have a Title V permit if the actual emissions from the facility exceed 10 tons per per consecutive 12-month period of any individual HAP or 25 tons per year of all HAPs combined

10. **STATE-ONLY REQUIREMENT:**
TOXIC AIR POLLUTANT EMISSIONS LIMITATION AND REPORTING REQUIREMENT - Pursuant to 15A NCAC 2D .1100 and in accordance with the approved application for an air toxic compliance demonstration, the following permit limit shall not be exceeded:

EMISSION SOURCE(S)	TOXIC AIR POLLUTANT(S)	EMISSION LIMIT(S)
ES-2	Methylene chloride	42,000 lb/yr; 4.67 lb/hr
ES-2	Methyl ethyl ketone	1,646 lb/24 hr; 243.2 lb/hr
ES-2	Methyl isobutyl ketone	1,139 lb/24 hr; 82.4 lb/hr
ES-2	Toluene	2,091 lb/24 hr, 154 lb/hr
ES-2	Trichloroethylene	40,000 lb/yr
ES-2	Di(2-ethylhexyl)Phthalate	13.3 lb/24 hr
ES-2	Xylene	1,201 lb/24 hr; 178.8 lb/hr

a. To ensure compliance with the above limits, the following restrictions shall apply:

   i. No more than 20% of the facility's total emissions of toxics shall be emitted from the specialty sets area (EP-2 & EP-3) and no less than 80% of the total emissions shall be emitted from the solvent seal area (EP-1 &EP-4)

b. Reporting Requirements - For compliance purposes, within 30 days after each calendar year quarter, regardless of the actual emissions, the following shall be reported to the Regional Supervisor, DAQ:

   i. Monthly toxic air pollutant emissions, for each toxic air pollutant identified above, for the previous 14 months. The emissions must be calculated for each of the three 12-month periods over the previous 14 months.

c. Recordkeeping Requirements - The Permittee shall keep sufficient records, in written or electronic form, to determine total monthly the quantities of each toxic air pollutant.

d. Record Retention Requirement - The Permittee shall keep each monthly record on file for a minimum of five years.

11. **NOTIFICATION REQUIREMENT** - As required by 15A NCAC 2D .0535, when emissions exceed Environmental Management Regulations for more than four (4) hours and result from a malfunction, a breakdown of process or control equipment or any abnormal conditions, the Regional Supervisor, Division of Air Quality, shall be notified as promptly as possible, but in no case later than twenty-four (24) hours or on the next working day of becoming aware of the occurrence. Such notice shall specify the facility name and location, the nature and cause of the excess emission, the time when first observed, the expected duration, and the estimated rate of emissions. This reporting requirement does not allow the operation of the facility in excess of Environmental Management Commission Regulations.

B. GENERAL CONDITIONS AND LIMITATIONS

1. REPORTS, TEST DATA, MONITORING DATA, NOTIFICATIONS, AND REQUESTS FOR RENEWAL shall be submitted to the:

   Regional Supervisor
   North Carolina Division of Air Quality
   Fayetteville Regional Office
   225 Green Street, Suite 714
   Fayetteville, NC 28301
   910-486-1541

2. RECORDS RETENTION REQUIREMENT - Any records required by the conditions of this permit shall be kept on site and made available to DAQ personnel for inspection upon request. These records shall be maintained in a form suitable and readily available for expeditious inspection and review. These records must be kept on site for a minimum of 2 years, unless another time period is otherwise specified.

3. PERMIT RENEWAL REQUIREMENT - The Permittee, at least 90 days prior to the expiration date of this permit, shall request permit renewal by letter in accordance with 15A NCAC 2Q .0304 (d) and (f). Pursuant to 15A NCAC 2Q .0203 (i), no permit application fee is required for renewal of an existing air permit. The renewal request should be submitted to the Regional Supervisor, DAQ.

4. ANNUAL FEE PAYMENT - Pursuant to 15A NCAC 2Q .0203 (a), the Permittee shall pay the annual permit fee within 30 days of being billed by the DAQ. Failure to pay the fee in a timely manner will cause the DAQ to initiate action to revoke the permit.

5. EQUIPMENT RELOCATION - A new air permit shall be obtained by the Permittee prior to establishing, building, erecting, using, or operating the emission sources or air cleaning equipment at a site or location not specified in this permit.

6. This permit is subject to revocation or modification by the DAQ upon a determination that information contained in the application or presented in the support thereof is incorrect, conditions under which this permit was granted have changed, or violations of conditions contained in this permit have occurred. The facility shall be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air cleaning device(s) and appurtenances.

7. REPORTING REQUIREMENT - Any of the following that would result in previously unpermitted, new, or increased emissions must be reported to the Regional Supervisor, DAQ:

   a. changes in the information submitted in the application regarding facility emissions;

   b. changes that modify equipment or processes of existing permitted facilities; or

   c. changes in the quantity or quality of materials processed.

   If appropriate, modifications to the permit may then be made by the DAQ to reflect any necessary changes in the permit conditions. In no case are any new or increased emissions allowed that will cause a violation of the emission limitations specified herein.

8. This permit is nontransferable by the Permittee. Future owners and operators must obtain a new air permit from the DAQ.

9. This issuance of this permit in no way absolves the Permittee of liability for any potential civil penalties which may be assessed for violations of State law which have occurred prior to the effective date of this permit.

10. This permit does not relieve the Permittee of the responsibility of complying with all applicable requirements of any Federal, State, or Local water quality or land quality control authority.

11. Reports on the operation and maintenance of the facility shall be submitted by the Permittee to the Regional Supervisor, DAQ at such intervals and in such form and detail as may be required by the DAQ. Information required in such reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and preventive maintenance schedules.

12. A violation of any term or condition of this permit shall subject the Permittee to enforcement pursuant to G.S. 143-215.114A, 143-215.114B, and 143-215.114C, including assessment of civil and/or criminal penalties.

13. Pursuant to North Carolina General Statute 143-215.3 (a) (2), no person shall refuse entry or access to any authorized representative of the DAQ who requests entry or access for purposes of inspection, and who presents appropriate credentials, nor shall any person obstruct, hamper, or interfere with any such representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

14. The Permittee must comply with any applicable Federal, State, or Local requirements governing the handling, disposal, or incineration of hazardous, solid, or medical wastes, including the Resource Conservation and Recovery Act (RCRA) administered by the Division of Waste Management.

15. PERMIT RETENTION REQUIREMENT - The Permittee shall retain a current copy of the air permit at the site. The Permittee must make available to personnel of the DAQ, upon request, the current copy of the air permit for the site.

16. CLEAN AIR ACT SECTION 112(r) REQUIREMENTS - Pursuant to 40 CFR Part 68 "Accidental Release Prevention Requirements: Risk Management Programs Under the Clean Air Act, Section 112(r)," if the Permittee is required to develop and register a risk management plan pursuant to Section 112(r) of the Federal Clean Air Act, then the Permittee is required to register this plan in accordance with 40 CFR Part 68.

17. PREVENTION OF ACCIDENTAL RELEASES - GENERAL DUTY - Pursuant to Title I Part A Section 112(r)(1) of the Clean Air Act "Hazardous Air Pollutants - Prevention of Accidental Releases - Purpose and General Duty," although a risk management plan may not be required, if the Permittee produces, processes, handles, or stores any amount of a listed hazardous substance, the Permittee has a general duty to take such steps as are necessary to prevent the accidental release of such substance and to minimize the consequences of any release. **This condition is federally-enforceable only.**

Permit issued this the 27th day of February, 2002.

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

Steven F. Vozzo
Regional Air Quality Supervisor
Division of Air Quality
By Authority of the Environmental Management Commission

Activities Exempted from Permitting Under 15A NCAC 2Q .0102(c)(2)

Source	Date of Application	Exemption Regulation	Source of TAPs?	Source of Title V Pollutants?
Two (2) Natural gas/No. 2 fuel oil fired boilers, 2.0 mmBtu/hr (each)	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes
Natural gas fired boiler, 0.65 mmBtu/hr	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes
Molding operation	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes
Procedyne cleaning furnance	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes
Diesel fired suppression backup generator, 220hp	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes
Diesel electrical backup generator, 24hp	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes
Two (2) Mirachem 500 cleaner operations	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes
Isopropyl alcohol handling operation	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes
Paint thinner (mineral spirits) handling operation	3-28-1996	2Q .0102(c)(2)(E)(i)	yes	yes

1. Because an activity is exempted from being required to have a permit or permit modification does not mean that the activity is exempted from an applicable requirement or that the owner or operator of the source is exempted from demonstrating compliance with any applicable requirement.

2. When applicable, emissions from stationary source activities identified above shall be included in determining compliance with the permit requirements for toxic air pollutants under 15A NCAC 2D .1100 "Control of Toxic Air Pollutants" or 2Q .0711 "Emission Rates Requiring a Permit."

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AIR PERMIT REVIEW

APPLICANT			SITE LOCATION		COUNTY
Abbott Laboratories, Hospital Prod. Div.			Laurinburg		Scotland
CONTACT	PHONE	APPLICABILITY:	NSPS	NESHAP	TAX OTHER
Kim Kashmer	(910) 276-6210 ext. 288				
APPLICATION FOR:	NEW	EXISTING	MODIFICATION		Existing P/N
			x		03921R06
APPL. NO.	REVIEWER		SIGNATURE		DATE
8300001.01A	Rhonda Hall				February 19, 2002
RECOMMENDATION AND COMMENT					FEE CLASS
Issue Permit 03921R07					Synthetic Minor

1. Background and Purpose of Application:

Abbott Laboratories manufactures medical devices with an emphasis on pharmaceutical and nutritional delivery systems. The facility is comprised of a main manufacturing building and two warehouses. All of the regulated TAP emitting sources are located in the manufacturing building. The device manufacturing operation is a source of volatile organic compounds (VOCs), North Carolina toxic air pollutants (TAPs), and federally-listed hazardous air pollutants (HAPs) because of the use of solvent sealing in the manufacturing operation. Other emission sources at the facility are boilers, a small molding operation, a cleaning furnance, generators, and a parts cleaner. The facility submitted this application as a request to change their air permit fee class from Title V to Synthetic Minor.

Abbott Laboratories Laurinburg facility is schedule to close in June 2002. As a result of this, the facility will be reducing production rates. The facility has requested to limit their potential emissions to below the threshold levels of Title V and thereby be designated as a Synthetic Minor facility.

Note: The facility struggled, approximately a year, with the decision to become Synthetic Minor or to remain Title V. During this period of indecision, The RCO issued a Title V permit to this facility on October 2, 2001 (Permit No. 03921T07). This Title V permit was never adjudicated as it never went to public comment. However, the issuance of this Title V permit somewhat forced the facility's hand and they elected to become synthetic minor.

Due to regulatory changes, this renewal will update stipulation language since the last permit issuance.

Permit Contact for this Application:
Jack Strum, Plant Manager (910) 276-6210 (Authorized), John Robbins, Manager of HPD Environmental (708) 937-0012 (Permit Tech.), Kim Kashmer (910) 276-6210 ext. 288 (Facility). Permit will be issued to Mr. Strum.

2. Application Chronology:

19 Sep 2001	Compliance inspection by Sally McKinney. She reported that the facility appeared to be in compliance at the time of the inspection
2 Oct 2001	RCO issued the facility a Title V Permit (Permit No. 03921T07). However, this permit was never adjudicated as it never went to public comment
28 Dec 2001	Application received by FRO. Application did not have associated application fee
02 Jan 2002	FRO sent acknowledgment letter to the facility
14 Jan 2002	Application fee received by FRO

3. New Equipment, Change in Emissions:

a. New Equipment:

There has been no change to this equipment. However, this permit issuance will include the following:

1. An updated list of permitted equipment
2. An updated list of insignificant activities
3. An operations limitation. As requested by the Permittee, facility-wide hazardous air pollutants (HAPs) emissions shall be:

   a. less than 10 tons per consecutive 12-month period of any individual hazardous air pollutant
   b. less than 25 tons per consecutive 12-month period of all hazardous air pollutants combined

This limitation will allow the facility to avoid the applicability of 15A NCAC 2Q .0501, and therefore be classified as synthetic minor.

Regulation	Affected Sources	Emissions Limits (if any)
15A NCAC 2Q .0315 Limitation To Avoid 15A NCAC 2Q .0501	Facility-wide	Facility-wide hazardous air pollutants (HAPs) emissions shall be: 1. less than 10 tons per consecutive 12-month period of any individual hazardous air pollutant 2. less than 25 tons per consecutive 12-month period of all hazardous air pollutants combined **SHOULD MEET COMPLIANCE,** based on based on quarterly reports submitted by the facility and compliance inspections

b. Change in Emissions:

HAP emissions should be reduced as a result of this modification. This modification will limit the use of federally-listed hazardous air pollutants (HAPs) such that the facility-wide emissions will be less than the 10/25 TPY for any HAP.

4. Facility Regulatory Review:

Regulation	Affected Sources	Emissions Limits (if any)
15A NCAC 2D .0503	Boilers (ID Nos. ES-3 & ES-4)	Particulate emissions from combustion shall not exceed 0.56 lb/mmBTU. SHOULD MEET COMPLIANCE, based on emissions history **Calculation** 1. PM limit per 15 A NCAC 2D .0503 Q = Maximum heat input in mmBtu/hr: 12.6 mmBtu/hr $E = 1.090(Q)^{-0.2594}$ E = 0.56 lb/mmBTU
15A NCAC 2D .0516	Boilers (ID Nos. ES-3 & ES-4)	Sulfur Dioxide emissions shall not exceed 2.3 lb/mm Btu. SHOULD MEET COMPLIANCE, based on actual and permitted fuel usage.
15A NCAC 2D .0521	Boiler (ID No. ES-3)	20% opacity limit. SHOULD MEET COMPLIANCE, based on compliance inspections.
15A NCAC 2D .0521	Boiler (ID No. ES-4)	40% opacity limit. SHOULD MEET COMPLIANCE, based on compliance inspections.
15A NCAC 2D .1806	Facility-wide	Control and prevention of odorous emissions.. SHOULD MEET COMPLIANCE, based on compliance inspections.
15A NCAC 2Q .0315 Limitation To Avoid 15A NCAC 2Q .0501	Facility-wide	Facility-wide hazardous air pollutants (HAPs) emissions shall be: 1. less than 10 tons per consecutive 12-month period of any individual hazardous air pollutant 2. less than 25 tons per consecutive 12-month period of all hazardous air pollutants combined **SHOULD MEET COMPLIANCE,** based on based on quarterly reports submitted by the facility and compliance inspections

15A NCAC 2D .1100	ES-2	In accordance with the approved application for an air toxic compliance demonstration, the following permit limit shall not be exceeded. TAP — Emission Limit Methylene chloride — 42,000 lb/yr; 4.67 lb/hr Methyl ethyl ketone — 1,646 lb/24hr; 243.2 lb/hr Methyl isobutyl ketone — 1,139 lb/24 hr; 82.4 lb/hr Toluene — 2,091 lb/24 hr; 154 lb/hr Trichloroethylene — 40,000 lb/yr Di(2-ethylhexyl)Phthalate — 13.3 lb/24 hr Xylene — 1,201 lb/24 hr; 178.8 lb/hr **SHOULD MEET COMPLIANCE,** based on based on quarterly reports submitted by the facility and compliance inspections The requirements of this condition does not relieve the Permittee of the responsibility of complying with the requirements of condition 15A NCAC 2Q .0315. The more stringent condition for each pollutant must be met
15A NCAC 2D .0958	Facility-wide	Work practices for sources of volatile organic compounds. **SHOULD MEET COMPLIANCE,** based on compliance inspections
15A NCAC 2D .0535	Facility-wide	Reporting of excess emissions/malfunctions.
15A NCAC 2Q .0102(c)(2)	Two (2) natural gas/No. 2 fuel oil fired boilers, 2.0 mmBTu/hr Natural gas fired boiler, 0.65 mmBtu/hr Molding Operation Procedyne cleaning furnance Diesel fired suppression backup generator, 220 hp Diesel electrical backup generator, 24 hp Two (2) Mirachem 500 cleaner operations Isopropyl alcohol handling operation Paint thinner (mineral spirits) handling operation	Exempted from permitting. Less than 5 typ POTENTIAL for the criteria pollutants, and less than 10/25 tpy POTENTIAL for any HAPs 2Q .0102(c)(2)(E)(i), and likely not to contravene a standard

5. **PSD, NESHAPS, NSPS, and Risk Management Applicability:**

a) PSD Regulation:
All emission levels at the facility are below the appropriate thresholds for PSD. The baseline date has been triggered in Scotland County for TSP and SO2. For PSD increment tracking purposes, the emissions remain unchanged.

b) NESHAPS, Non-Attainment:
Scotland County is in attainment. National Emission Standards for Hazardous Air Pollutants (NESHAPS) do not apply.

c) NSPS And Risk Management Applicability:
NSPS do no apply. The facility is not subject to 112R requirements

6. **Air Toxics:**
There are no emission increases in this application. Abbott Laboratories Laurinburg facility is schedule to close in June 2002. As a result of this, the facility will be reducing production rates such that the facility emissions will be below the 10/25 limit.

7. **Facility Compliance Status:**
The most recent inspection was conducted by Sally McKinney on September 19, 2001. She reported that the facility appeared to be in compliance at the time of the inspection.

8. **Facility Emissions Review:**.

Pollutant	**Actual Emissions** 2000 (tpy)	**Potential Emissions** with Limits/Controls (tpy)	**Potential Emissions** without Limits/Controls (typ)
PM	0.12	5.17	5.17
PM10	0.12	3.97	3.97
SO_2	0.41	76.39	76.39
VOCs	7.13	65.94	65.94
NOx	1.7	54.19	54.19
CO	1.3	12.96	12.96
Methylene Chloride	8.3	Largest HAP from 2000 Emissions Inventory	
Combined HAP	11.2	Combined HAP(s) from 2000 Emissions Inventory	

9. Stipulation Review:

A full list of stipulations in the permit is:

1. Applicable Regs: 2D.0503, .0516, .0521, .0535, .0958, .1100, .1806 and 2Q .0315
2. Particulates from Fuel Burning Indirect Heat Exchangers (2D .0503)
3. Reduce fugitive emissions
4. SO2 limit for the boilers (shall not exceed 2.3lbs/mmBtu heat input)(2D. 0516)
5. 20% opacity limit (2D. 0521)
6. 40% opacity limit (2D. 0521)
7. Control and prohibition of odorous emissions (2D .1806)
8. Work Practices for Sources of Volatile Organic Compounds (2D .0958)
9. Toxic Air Pollutant Emissions Limitation and Reporting Requirements (2D .1100 [State-Only Requirement])
10. Limitation To Avoid 15A NCAC 2Q .0501 "Synthetic Minor Facilities" (2Q .0315)
11. Notification Requirement – excess emissions/malfunction reporting (2D .0535)

10. Final Recommendation: Issue permit number 03921R07.

Review Engineer: Rhonda Hall Date: 2/27/02

Permit Coordinator: Tom [illegible] Date: 2/27/02

AQ Supervisor: [illegible] Date: 02-27-02

cc: DAQ Central Files
FRO Files

for "Annual Fuel Throughput (1000 ga., ..ay become a permit limit.
To calculate potential (8,760 hr/yr) emissions, enter the following formula into the cell for Annual Fuel Throughput (1000 gal): =8760*C18.

Note: Users with combustion sources other than boilers or residential furnaces should consider using other emission factor information if available. Otherwise, such users should consider selecting a "boiler type" below that they believe best represents their emission source. Users should understand that this spreadsheet may not be applicable to or accurately represent emissions from such sources.

User Input

Company Name:	Abbott Lab.
Plant County:	Scotland
Plant City:	Laurinburg
Permit Number:	3921
User:	R. Hall
Heat Input Capacity (mmBtu/hr):	16.6
Fuel Input Capacity (10^3 gal/hr):	0.12
Annual Fuel Throughput (1000 gal):	1,039
Maximum fuel sulfur content (%)	0.5
Latest Construction/Modification Date:	

Enter the boiler type below ⇲	
24	

Note: Place selector over boiler type descriptions below to see the SCC codes associated with that boiler type.

NCDENR

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Boilers =>100 mmBtu/hr
1 = No. 6 oil fired, normal firing (U)
2 = No. 6 oil fired, normal firing (I)
3 = No. 6 oil fired, normal firing (C)
4 = No. 6 oil fired, normal firing, low NOx burner (U)
5 = No. 6 oil fired, normal firing, low NOx burner (I)
6 = No. 6 oil fired, normal firing, low NOx burner (C)
7 = No. 6 oil fired, tangential firing (U)
8 = No. 6 oil fired, tangential firing, low NOx burner (U)
9 = No. 5 oil fired, normal firing (U)
10 = No. 5 oil fired, normal firing (I)
11 = No. 5 oil fired, tangential firing (U)
12 = No. 4 oil fired, normal firing (U)
13 = No. 4 oil fired, normal firing (I)
14 = No. 4 oil fired, tangential firing (U)
15 = No. 2 oil fired (U,I)

Boilers =>100 mmBtu/hr (cont'd)
16 = No. 2 oil fired (C)
17 = No. 2 oil fired, LNB/FGR (U,I)
18 = No. 2 oil fired, LNB/FGR (C)

19 = Vertical fired utility boiler

Small Boilers (<100 mmBtu/hr)
20 = No. 6 oil fired (I)
21 = No. 6 oil fired (C)
22 = No. 5 oil fired (C)
23 = No. 4 oil fired (C)
24 = No. 2 oil fired (I)
25 = No. 2 oil fired (C)

26 = Residential Furnace

Note: The emission factors for fuel oil-fired boilers depend on the boiler size and application type. In the listing of boiler types, the following notation is used: U = Utility boilers (producing steam for the generation of electricity), I = Industrial boilers (generating steam or hot water for process heat, electricity generation, or space heat), C = Commercial or institutional (used for space heating of commercial or instutional facilities) and residential (furnaces used for space heating purposes). Please be sure to select the proper boiler from the lists above.

Emission Controls

Particulate controls

Enter the control type below ⇲	Message Area
0	

Control Device — Avg. Cont. Effic.
0 = None/other — 0.0
1 = ESP
2 = Scrubber
3 = Bagfilter
4 = Multiple cyclone

Or enter a PM control efficiency below to override built in values.
User Input PM Cont. Effic.: 0.0
Message Area

Postcombustion SO_2 controls

Enter the control type below ⇲	Message Area
0	

Control Technology/Process
0 = None/other
1 = Wet scrubber, Lime/limestone
2 = Wet scrubber, Sodium carbonate
3 = Wet scrubber, Magnesium oxide/hydroxide
4 = Wet scrubber, Dual alkali
5 = Spray drying, calcium hydroxide slurry, vap. in spray vessel
6 = Furnace injection, Dry calcium carbonate/hydrate inj. in upper furn. cavity
7 = Duct injection, Dry sorbent injection into duct, sometimes combined with water spray

Avg. Cont. Effic.: 0.0

Remarks: NA

Or enter an SO_2 control efficiency below to override built in values.
User Input SO_2 Cont. Effic.: 0.0
Message Area

NO_x controls

Enter the control type below ⇲	Message Area
0	

Control Technology/Process
0 = None/other
1 = Low excess air (LEA)
2 = Staged combustion (SC)
3 = Burners out of service (BOOS)
4 = Flue gas recirculation (FGR)
5 = Flue gas recirculation plus staged combustion
6 = Low NOx burners (LNB)

Avg. Cont. Effic.: 0.0

Remarks: NA

Or enter a NO_x control efficiency below to override built in values.
User Input NO_x Cont. Effic.: 0.0
Message Area

for "Annual Fuel Throughput (1000 g... ...ay become a permit limit.
To calculate potential (8,760 hr/yr) emissions, enter the following formula into the cell for Annual Fuel Throughput (1000 gal): =8760*C18.

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Plant City:	Laurinburg
Permit Number:	3921
User:	R. Hall
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Fuel Input Capacity (10^3 gal/hr):	0.12
Annual Fuel Throughput (1000 gal):	1,039
Maximum fuel sulfur content (%)	0.5
Latest Construction/Modification Date:	

Enter the boiler type below ⇲	
24	

Note: Place selector over boiler type descriptions below to see the SCC codes associated with that boiler type.

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Boilers =<100 mmBtu/hr	Boilers =>100 mmBtu/hr (cont'd)
6 = Low NOx burners (LNB)	
7 = Reduced air preheat (RAP)	
8 = Selective noncatalytic reduction (SNCR)	
9 = Conventional selective catalytic reduction (SCR)	

for "Annual Fuel Throughput (1000 ga, ..ay become a permit limit.
To calculate potential (8,760 hr/yr) emissions, enter the following formula into the cell for Annual Fuel Throughput (1000 gal): =8760*C18.

Note: Users with combustion sources other than boilers or residential furnaces should consider using other emission factor information if available. Otherwise, such users should consider selecting a "boiler type" below that they believe best represents their emission source. Users should understand that this spreadsheet may not be applicable to or accurately represent emissions from such sources.

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Note: Place selector over boiler type descriptions below to see the SCC codes associated with that boiler type.

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Boilers =>100 mmBtu/hr
Emissions Output (for operation 8760 hr/yr)

Boilers =>100 mmBtu/hr (cont'd)

Criteria Pollutants

Pollutant	lb/hr[2]	tpy	lb/yr[3]	Emission Factor[1] (lb/10^3 gal)
Total PM (FPM + CPM)	0.4	1.7	3,428	3.30E+00
Filterable PM (FPM) rates uncontrolled	0.2	1.0	2,077	2.00E+00
Condensable PM (CPM)[4]	0.2	0.7	1,350	1.30E+00
Filterable PM-10[5]	0.1	0.5	1,039	1.00E+00
Filterable PM-2.5[5]	0.0	0.1	260	2.50E-01
NOx rates uncontrolled	2	10.4	20,774	2.00E+01
NMTOC	0	0.1	208	2.00E-01
CO	1	3	5,193	5.00E+00
SO2 rates uncontrolled	8	36.87	73,747	7.10E+01
Total HAP[6]	2.14E-02	0.1	188	1.81E-01
Largest HAP[6]	9.45E-03	0.0	83	7.97E-02

Toxic/Hazardous Air Pollutants[7]

Pollutant	lb/hr[2]	lb/day[8]	lb/yr[3]	Emission Factor[1] (lb/10^3 gal)
Antimony rates uncontrolled	0.00E+00	NA	0.00E+00	0.00E+00
Arsenic rates uncontrolled	6.64E-05	NA	5.82E-01	5.60E-04
Benzene	3.26E-04	NA	2.86E+00	2.75E-03
Beryllium rates uncontrolled	4.98E-05	NA	4.36E-01	4.20E-04
Cadmium rates uncontrolled	4.98E-05	NA	4.36E-01	4.20E-04
Chromium rates uncontrolled	4.98E-05	NA	4.36E-01	4.20E-04
Chromium VI rates uncontrolled	1.46E-05	NA	1.28E-01	1.23E-04
Cobalt rates uncontrolled	0.00E+00	NA	0.00E+00	0.00E+00
Ethylbenzene	9.69E-05	NA	8.49E-01	8.17E-04
Fluoride	4.42E-03	1.06E-01	3.87E+01	3.73E-02
Formaldehyde	5.69E-03	1.37E-01	4.99E+01	4.80E-02
Lead rates uncontrolled	1.49E-04	NA	1.31E+00	1.26E-03
Manganese rates uncontrolled	9.96E-05	2.39E-03	8.72E-01	8.40E-04
Mercury	4.98E-05	1.20E-03	4.36E-01	4.20E-04
Methyl chloroform (1,1,1-Trichloroethane)	2.80E-05	6.72E-04	2.45E-01	2.36E-04
Napthalene	3.95E-05	NA	3.46E-01	3.33E-04
Nickel rates uncontrolled	4.98E-05	1.20E-03	4.36E-01	4.20E-04
POM rates uncontrolled	3.91E-04	NA	3.43E+00	3.30E-03
Selenium rates uncontrolled	2.49E-04	NA	2.18E+00	2.10E-03
Toluene	9.45E-03	2.27E-01	8.28E+01	7.97E-02
Xylene	1.66E-04	3.99E-03	1.45E+00	1.40E-03

[1]Emission factors represent AP-42 uncontrolled values. Emission rates are reflective of controls where applicable.
[2]Hourly emission rates for all pollutants are based on hourly rated capacity.
[3]Annual emission rates for all pollutants are based on maximum annual fuel throughput.
[4]Wet scrubbers are assumed to control CPM whereas other PM control devices are assumed to only control FPM.
[5]AP-42 assumes PM-10 and PM-2.5 assumes these pollutants are controlled with the same efficiency as total PM.
[6]Total and largest HAP factors and emission rates do not reflect control of metals. Individual metal emission rates are reflective of particulate matter controls where applicable.
[7]Pollutants in red are federally regulated hazardous air pollutants (HAPs) only.
Pollutants in purple are NC regulated toxic air pollutants (TAPs) only.
All other toxic/hazardous air pollutants are regulated as both HAPs and TAPs.
[8]Daily emission rates are based on operation 24 hours per day at rated capacity.
FO2000 Revision A dated March 9, 2000

Natural Gas Combustion Emissions Calculator NG2000 Revision C

Instructions: Please provide the information shown in **blue** below, including one of the boiler types listed. Please note that, when used in conjunction with permit applications, the value entered for "Annual Fuel Throughput (10^6 scf)" may become a permit limit.
To calculate potential (8,760 hr/yr) emissions, enter the following formula into the cell for Annual Fuel Throughput (10^6 scf): =8760*D18.

Note: Users with combustion sources other than boilers or residential furnaces should consider using other emission factor information if available. Otherwise, such users should consider selecting a "boiler type" below that they believe best represents their emission source. Users should understand that this spreadsheet may not be applicable to or accurately represent emissions from such sources.

User Input

Company Name:	**Abbott Lab**
Plant County:	**Scotland**
Plant City:	**Laurinburg**
Permit Number:	**3921**
User:	**R. Hall**
Heat Input Capacity (mmBtu/hr):	**0.65**
Fuel Input Capacity (10^6 scf/hr):	6.4E-04
Annual Fuel Throughput (10^6 scf):	**6**
Latest Construction/Modification Date:	

Enter the boiler type below ⇘

5

Other NOx Control
Enter 1 below if SNCR is applied to the boiler.

0

Large Wall-Fired Boilers (=>100 mmBtu/hr)
1 = Uncontrolled (Pre-NSPS)
2 = Uncontrolled (Post-NSPS)
3 = Controlled - Low NOx burners
4 = Controlled - Flue gas recirculation (FGR)

Small Boilers (<100 mmBtu/hr)
5 = Uncontrolled
6 = Controlled - Low NOx burners
7 = Controlled - Low NOx burners/FGR

Tangential-Fired Boilers (All Sizes)
8 = Uncontrolled
9 = Controlled - FGR

Residential Furnaces (<0.3 mmBtu/hr)
10 = Uncontrolled

Boiler Type Help
NSPS=New Source Performance Standard as defined in 40 CFR 60 Subparts D and Db. Post-NSPS units are boilers with greater than 250 MMBtu/hr of heat input that commenced construction modification, or reconstruction after August 17, 1971, and units with heat input capacities between 100 and 250 MMBtu/hr that commenced construction modification, or reconstruction after June 19, 1984.

Emissions Output (for operation 8760 hr/yr)

Criteria Pollutants

Pollutant	lb/hr	lb/yr	tpy	Emission Factor (lb/mmscf)
PM	4.8E-03	4.2E+01	2.1E-02	7.6E+00
PM-10	4.8E-03	4.2E+01	2.1E-02	7.6E+00
PM-2.5	4.8E-03	4.2E+01	2.1E-02	7.6E+00
NOx	6.4E-02	5.6E+02	2.8E-01	1.0E+02
VOC	3.5E-03	3.1E+01	1.5E-02	5.5E+00
CO	5.4E-02	4.7E+02	2.3E-01	8.4E+01
SO2	3.8E-04	3.3E+00	1.7E-03	6.0E-01
Total HAP	1.2E-03	1.1E+01	5.3E-03	1.9E+00
Largest HAP	1.1E-03	1.0E+01	5.0E-03	1.8E+00

Toxic/Hazardous Air Pollutants

Pollutant	lb/hr	lb/day	lb/yr	
Arsenic	0.0E+00	NA	0.0E+00	0.0E+00
Benzene	1.3E-06	NA	1.2E-02	2.1E-03
Cadmium	0.0E+00	NA	0.0E+00	0.0E+00
Chromium	0.0E+00	NA	0.0E+00	0.0E+00
Chromium VI	0.0E+00	NA	0.0E+00	0.0E+00
Dichlorobenzene	7.6E-07	NA	6.7E-03	1.2E-03
Formaldehyde	4.8E-05	NA	4.2E-01	7.5E-02
Hexane	1.1E-03	2.8E-02	1.0E+01	1.8E+00
Lead	0.0E+00	NA	0.0E+00	0.0E+00
Manganese	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Mercury	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Napthalene	3.9E-07	NA	3.4E-03	6.1E-04
Nickel	0.0E+00	0.0E+00	0.0E+00	0.0E+00
POM	4.2E-07	NA	3.7E-03	6.6E-04
Toluene	2.2E-06	5.2E-05	1.9E-02	3.4E-03

Pollutants in red are federally regulated hazardous air pollutants (HAPs) only.
Pollutants in purple are NC regulated toxic air pollutants (TAPs) only.
All other pollutants are regulated as both HAPs and TAPs.
Hourly emission rates for all polutants based on hourly rated capacity.
NG2000 Revision C dated March 9, 2000

DISCLAIMER: This spreadsheet is for your use only and should be used with caution. DENR does not guarantee the accuracy of the information contained. This spreadsheet is subject to continual revision and updating. It is your responsibility to be aware of the most current information available. DENR is not responsible for errors or omissions that may be contained herein.

Internal Combustion Engines Emissions Calculator ICE2000 Revision B

Instructions: Please provide the information shown in **blue** below. The applicability of this spreadsheet is limited to gasoline engines up to 250 hp and diesel engines up to 600 hp.
Please note that, when used in conjunction with permit applications, any value entered for annual operations of these engines may become a permit limit.

For annual emissions enter either: (1) **Annual Electrical Output**, (2) **Engine Output** and **Annual Operation** (leave the formula for calculating **Annual Electrical Output** unchanged) or (3) **Generator Output (kW)** and **Annual Operation** (remember to copy the resulting Annual Electrical Output to the appropriate cell to the left).

User Input	
Company Name:	Abbott Lab.
Plant County:	Scotland
Plant City:	Laurinburg
Permit Number:	3921
User:	R. Hall
Engine Output (hp):	244
Annual Electrical Output (kW-hr):	1,402,622
Annual Output (hp-hr):	2,137,440

This section can be used to calculate kW-hr output from hours of operation and engine hp output. This can be useful for operators with hour meters but no Watt-hour meters. It assumes full load operation resulting in conservative emission estimates.

Annual Operation (hours):	8,760
Generator Output (kW):	
Annual Electrical Output (kW-hr):	0

<---- Copy results to "Annual Output (kW-hr)" at left if desired.

DISCLAIMER: This spreadsheet is for your use only and should be used with caution. DENR does not guarantee the accuracy of the information contained. This spreadsheet is subject to continual revision and updating. It is your responsibility to be aware of the most current information available. DENR is not responsible for errors or omissions that may be contained herein.

Emissions Output for Gasoline Engines

Criteria Pollutants

Pollutant	lb/hr	lb/yr	tpy	Emission Factor (lb/hp-hr)	Factor Quality Rating
PM	1.8E-01	1.5E+03	7.7E-01	7.21E-04	D
PM-10	1.8E-01	1.5E+03	7.7E-01	7.21E-04	D
PM-2.5	1.8E-01	1.5E+03	7.7E-01	7.21E-04	D
NOx	2.7E+00	2.4E+04	1.2E+01	1.10E-02	D
TOC, Exhaust	3.7E+00	3.2E+04	1.6E+01	1.50E-02	D
TOC, Evaporative	1.6E-01	1.4E+03	7.1E-01	6.61E-04	E
TOC, Crankcase	1.2E+00	1.0E+04	5.2E+00	4.85E-03	E
TOC, Refueling	2.6E-01	2.3E+03	1.2E+00	1.08E-03	E
TOC, Total	5.3E+00	4.6E+04	2.3E+01	2.16E-02	E
CO	1.1E+02	9.4E+05	4.7E+02	4.39E-01	D
SO_x	1.4E-01	1.3E+03	6.3E-01	5.91E-04	D
Total HAP	3.5E-03	3.1E+01	1.5E-02	1.43E-05	E
Largest HAP	2.1E-03	1.8E+01	9.2E-03	8.65E-06	E

Toxic/Hazardous Air Pollutants

Pollutant	lb/hr	lb/day	lb/yr		
Acetaldehyde	1.4E-03	NA	1.2E+01	5.62E-06	NA
Formaldehyde	2.1E-03	NA	1.8E+01	8.65E-06	NA
Aldehydes	1.2E-01	NA	1.0E+03	4.85E-04	D

Acetaldehyde and formaldehyde emission factors calculated from the ratio of the respective diesel fuel aldehyde emission factor to the total aldehydes diesel fuel factor.
There are no separate T/HAP emission factors for gasoline fueled engines.

ICE2000 Revision B dated March 23, 2000

Emissions Output for Diesel Engines

Criteria Pollutants

Pollutant	lb/hr	lb/yr	tpy	Emission Factor (lb/hp-hr)	Factor Quality Rating
PM	5.4E-01	4.7E+03	2.4E+00	2.20E-03	D
PM-10	5.4E-01	4.7E+03	2.4E+00	2.20E-03	D
PM-2.5	5.4E-01	4.7E+03	2.4E+00	2.20E-03	D
NOx	7.6E+00	6.6E+04	3.3E+01	3.10E-02	D
TOC, Exhaust	6.0E-01	5.3E+03	2.6E+00	2.47E-03	D
TOC, Evaporative	0.0E+00	0.0E+00	0.0E+00	0.00E+00	E
TOC, Crankcase	1.1E-02	9.4E+01	4.7E-02	4.41E-05	E
TOC, Refueling	0.0E+00	0.0E+00	0.0E+00	0.00E+00	E
TOC, Total	6.1E-01	5.4E+03	2.7E+00	2.51E-03	E
CO	1.6E+00	1.4E+04	7.1E+00	6.68E-03	D
SO_x	5.0E-01	4.4E+03	2.2E+00	2.05E-03	D
Total HAP	1.3E-02	1.1E+02	5.7E-02	5.32E-05	E
Largest HAP	4.4E-03	3.9E+01	1.9E-02	1.81E-05	E

Toxic/Hazardous Air Pollutants

Pollutant	lb/hr	lb/day	lb/yr		
Acetaldehyde	1.3E-03	1.1E+01	1.1E+01	5.37E-06	E
Acrolein	1.6E-04	1.4E+00	1.4E+00	6.48E-07	E, <
Benzene	1.6E-03	1.4E+01	1.4E+01	6.53E-06	E
Benzo (a) pyrene	3.2E-07	2.8E-03	2.8E-03	1.32E-09	E, <
1,3-Butadiene	2.0E-03	1.8E+01	1.8E+01	8.26E-06	E, <
Formaldehyde	2.0E-03	1.8E+01	1.8E+01	8.26E-06	E
Napthalene	1.4E-04	1.3E+00	1.3E+00	5.94E-07	E
PAH	2.9E-04	2.5E+00	2.5E+00	1.18E-06	E, <
Propylene	4.4E-03	3.9E+01	3.9E+01	1.81E-05	E
Toluene	7.0E-04	1.7E-02	6.1E+00	2.86E-06	E
Xylene	4.9E-04	1.2E-02	4.3E+00	2.00E-06	E

Pollutants in red are federally regulated hazardous air pollutants (HAPs) only. Pollutants in purple are NC regulated toxic air pollutants (TAPs) only.
All other pollutants are regulated as both HAPs and TAPs.
Factor quality ratings containing "<" indicate an AP-42 emission factor based on test results being below detection.
Emission factors are from AP-42 Chapter 3, Section 3, Gasoline and Diesel Industrial Engines, dated October 1996.
Hourly emission rates for all pollutants are based on the hourly engine output. Annual emissions are based on the annual engine output.
Daily emissions are based on operation at the hourly input rate for 24 hours.

NCDENR

SPECIFIC EMISSION SOURCE (EMISSION INFORMATION)

(*see note in instructions concerning state air toxics regulations)

AIR QUALITY SECTION

REVISED: 04/15/94

EMISSION SOURCE DESCRIPTION: Device manufacturing

EMISSION SOURCE ID NO: ES-2 | IS THIS SOURCE A FUGITIVE SOURCE? ( ) YES (X) NO

ALTERNATIVE OPERATING SCENARIO (AOS) NO:

POLLUTANT	EMISSION FACTOR TYPE	EMISSION RATE IN LBS/HR		EMISSION RATE IN LBS/YR	
		POTENTIAL	ACTUAL	POTENTIAL	ACTUAL
PM	3	0.5	0.11	2,102	414
SO2	3	18.7	0.01	74,638	21
NOx	3	5.3	0.86	21,025	3,451
CO	3	3.5E-03	0.18	5,256	725
VOC	2,3	17.1	5.39	131,840	21,580
Di(2-Ethylhexyl) Phthalate	2	31.9	0	127,721	0
Methanol	2	31.9	0.21	127,721	858
Methylene Chloride	2	31.9	4.68	127,721	18,722
Methyl Ethyl Ketone	2	31.9	0.43	127,721	1,697
Methyl Isobutyl Ketone	2	31.9	0.01	127,721	45
Toluene	2	31.9	0.00	127,721	7
Trichloroethylene	2	31.9	0.61	127,721	2,462
Xylene	2	31.9	0	127,721	0
Methyl chloroform	2	31.9	0	127,721	0
Ethylene dichloride	2	31.9	0	127,721	0

COMMENTS:

7

Hospital Products Division

P.O. Box 1009
Laurinburg, North Carolina 28353

RECEIVED
DEC 27 2001
DENR
FAYETTEVILLE REGIONAL

27 December 2001

Department of Environment and Natural Resources (DENR)
Air Quality Section
225 Green Street, Suite 714
Fayetteville, NC 28301

Mr. Tom McKinney,

This letter is to follow-up on our telephone conversation on December 21, 2001. I am requesting for the Abbott Laboratories, Hospital Products Division facility in Laurinburg, North Carolina that the air emission permit application status be changed from Title V to synthetic minor.

As we have discussed in our conversations over the past few months, the Abbott Laboratories Laurinburg facility will be closing in June 2002, and as a result of this, will be reducing production rates such that this facility will not trigger the Title V permitting level.

This facility will continue to operate under our current air permit (3921R6) that does not expire until December 31, 2002 until we are contacted by you with any modified requirements of the synthetic minor permit.

If you have any questions, I can be reached at (910) 276-6210 extension 288.

Thank you.

Cordially,

Kimberly Kashmer

Kimberly Kashmer
EHS Manager
HPD Laurinburg, NC

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Air Quality

Michael F. Easley, Governor

William G. Ross, Jr., Secretary
Alan Klimek, P.E., Director

January 2, 2002

Ms. Kimberly Kashmer, EHS Manager
Abbott Laboratories-Hospital Products Division
PO Box 1009
Laurinburg, NC 28353

SUBJECT: **Receipt of Air Permit Revision Request, APP 8300001.01A**
Abbott Laboratories-Hospital Products Division, Air Permit No. 03921T07
Laurinburg, Scotland County, North Carolina

Dear Ms. Kashmer:

Your air permit revision request was received by this Division on December 28, 2001.

The amount of processing fee required is: $400
The amount of fee monies received was: $ 0

The revision submittal did not contain all the required elements and has not been accepted for processing. The following requested information must be submitted within thirty (30) days or the revision request may be returned [15A NCAC 2Q .0305]:

The amount of fee monies due is: $400 [15A NCAC 2Q .0304(k)]

This letter does not mean that the application you have submitted is technically complete, since the technical review for the application is ongoing. Should you have any questions regarding this matter, please contact Rhonda Hall, Environmental Engineer, at (910) 486-1541, ext. 607, in the Fayetteville Regional Office.

Sincerely,

Steven F. Vozzo
Regional Air Quality Supervisor
Fayetteville Regional Office

SFV/RBH/ma

cc: AQ Central Files

NORTH CAROLINA DIVISION OF AIR QUALITY

Inspection Report
Date: 10/28/2001

Fayetteville Regional Office
Abbott Laboratories
NC Facility ID 8300001
County/FIPS: Scotland/165

Facility Data	Compliance Data
Abbott Laboratories 16900 US 15 - 401 Bypass North Laurinburg, NC 28353 **Lat:** 34d 47m 60s **Long:** 79d 27m 20s **SIC :** 3841 / Surgical & Medical Instruments **NAICS:** 339113 / Surgical Appliance and Supplies Manufacturing	**Inspection Date** 09/19/2001 **Inspector's Initials** Rhonda Hall **Operating Status** O/Operating **Compliance Code** 3/In Compliance - Inspection **Action Code** 27/INSPECTION - STATE COMPLIANCE INSPECTION

Contact Data			Permit Data
Facility Contact	**Authorized Contact**	**Technical Contact**	**Permit** 03921 T07 **Issued** 10/02/2001 **Expires** 09/30/2006 **Classification** Title V
Kim Kashmer Senior Health and Environmental Manager (910) 276-6210	Jack Strum Plant Manager	John Robbins Manager of HPD Env (708) 937-0012	

Inspector's Signature: Sreaj Kalappa Date of Signature: 10/28/2001	**Comments:**

1) **LOCATION:**
From FRO take Hwy 401 South to Laurinburg. Abbott Laboratories is on the right just before the intersection with 15-501.

2) **DESCRIPTION:**
Abbott Labs assembles medical devices, kits, and tubing for intra-venous drug and nutritional delivery use in the medical field. At the time of this inspection, the facility was operating under Permit No. 3921R6 issued January 3, 1997 and expiring December 31, 2002. On October 2, 2001, the Title V Air Permit was issued.

This is last device manufacturing plant in the U.S. It is scheduled to close in 2002. Operations will be located in South America. The last manufacturing date at this facility is estimated to be June 30, 2002. The environmental records will be kept at the Hospital Products Division Level in Chicago, Illinois.

The device manufacturing area is a partially sterile area which can be somewhat observed through windows. Coverings (head cap, booties, etc.) are required to go in the area. In this area, the assembly and packaging of plastic tubing, valves, etc. is conducted. The parts are permanently attached to each other with solvent sealing. Solvent sealing is a technique where similar or dissimilar plastics are bonded together by dissolving a thin layer of the plastic of each part with a solvent. As the solvent evaporates, the two plastic parts bond to each other at their interface. Abbott uses many different solvent mixtures for sealing. The facility is classified Title V with actual methylene chloride (a HAP) emissions greater than 10 tpy.

After the products are packaged they are sent to the Rocky Mount facility for irradiation or the South Carolina facility for ethylene oxide (ETO) sterilization. No sterilization is conducted at this facility.

3) **PRE-INSPECTION MEETING:**

On September 19, 2001, I, Sally McKinney, arrived at the facility and met Air Quality contact Kim Kashmer for a routine compliance inspection. Issues discussed during this inspection were the repeal of 2D .0518 and replacement rule 2D .0958 which goes into effect on July 1, 2000, a discussion of the closing of the plant in 2002, and a discussion of the Title V permit and requirements. At the time of the inspection, a decision had not been made as to whether the Title V permit would be issued. FRO and Abbott Labs had commented on a draft Title Air Permit and the permit had gone through the public notice process.

Note: The Title V Air Permit was issued after this inspection, on October 2, 2001 with an effective date of November 16, 2001 and expiration date of September 30, 2006. The following report will include the permit equipment list and stipulations that are included in the Title V Air Permit, No. 03921T07.

4) **PERMITTED EQUIPMENT LIST**

Emission Source ID No.	Emission Source Description	Control Device ID No.	Control Device Description
ES-2	Device Manufacturing, including 2 solvent seal areas (ID Nos. EP-1 and EP-4) and 2 specialty sets areas (ID Nos. EP-2 & EP-3)	None	None
ES-3	Natural gas/No. 2 fuel oil-fired boiler (8.4 million Btu per hour heat input)	None	None
ES-4	Natural gas/No. 2 fuel oil-fired boiler (4.2 million Btu per hour heat input)	None	None

5) **INSIGNIFICANT ACTIVITIES (Per Title V Air Permit)**

SOURCES	Exemption	Reason
Two (2) Natural Gas/No. 2 Fuel Oil fired boilers (2.0 mmBtu/hr heat input)	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application
One (1) Natural Gas- fired boiler (0.65 mmBtu/hr heat input)	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application
One (1) Molding operation**	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application
One (1) Electric Procedyne Furnace**	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application
One (1) Diesel-fired Generator (220 HP) For fire suppression	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application
One (1) Diesel-electrical backup generator (24 HP)	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application
Mirachem 500 cleaner operation	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application

Isopropyl alcohol handling operation	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application
Paint thinner (mineral spirits) handling operation	15A NCAC 2Q .0503 (8)	Less than 5 tpy, as shown in application

**A plastic molding area uses injection molding for small tubing that is inserted inside larger tubing and small valve parts. In the Emissions Inventory, this process is described as Insert Molding. An electric procedyne furnace is used to clean out the molds from this operation. The pollutant of concern from this furnace is PM (fine sand is used to loosen the plastic from the mold).

6) PERMITTED EMISSION SOURCES AND INSPECTION NOTES

A. One device manufacturing operation (ID No. ES-2)

Regulated Pollutant	Limits/Standards	Applicable Regulation
volatile organic compounds	work practice standards	15A NCAC 2D .0958
toxic air pollutants	State toxic air pollutants - **State-enforceable only** -	15A NCAC 2D .1100

Work Practice Standards

Abbott Labs has a central distributing system for their solvent usage. A "Prep Log" shows how much of each material is issued. Howeyer, not all material issued is used. Left-over solvent from an issue is stored as a hazardous waste. Abbott has recently opened a new facility in Costa Rica. The Scotland County facility mixes solvents and distributes these solvents to the Costa Rica facility. Abbott is classified a "Large" hazardous waste generator. About every 5 weeks, the waste is analyzed by another Abbott facility and then shipped for disposal. The analysis provides a complete composition of the waste. Therefore, actual emissions can be determined accurately by subtracting the amount going out as hazardous waste from the amount issued. It was indicated that these reports show little variability (primarily because they do not change their operations or solvents).

Two mixtures used at Abbott are photochemically reactive. These products (51-0887 and 52-0096) are located in a separate cabinet with their own usage log. With the repeal of 2D .0518, the 40 pound per day limit on photochemically reactant solvents is no longer applicable to this facility. However, the facility still maintains records to demonstrate compliance with the 40 pound per day limit.

Because this facility has no control devices, 2D .0958 "Work Practices for Sources of Volatile Organic Compounds" has replaced 2D .0518 (d). Pure solvents (concentration ~100%) used at the facility are mixed in a solvent storage room for use in this facility and the Costa Rica facility.Solvents are purchased in 55-gallon drums and are poured into the mixer. Lids on the drums and mixers are used at all times. There is a separate mixing room. In this room chemicals are measured into a stainless steel mixer. This mixer has a lid, which is closed during the mixing process. Once mixed, the solvent is placed in small, day-use size containers. .

Toxic Air Pollutants (Note: The toxic limits have been updated since the previous air permit.)

EMISSION SOURCE(S)	TOXIC AIR POLLUTANT(S)	EMISSION LIMIT(S)
ES-2	Methylene chloride	42,000 lb/yr; 4.67 lb/hr
ES-2	Methyl ethyl ketone	1,646 lb/24 hr; 243.2 lb/hr
ES-2	Methyl isobutyl ketone	1,139 lb/24 hr; 82.4 lb/hr
ES-2	Toluene	2,091 lb/24 hr; 154 lb/hr
ES-2	Trichloroethylene	40,000 lb/yr
ES-2	Di(2-ethylhexyl)Phthalate	13.3 lb/24 hr
ES-2	Xylene	1,201 lb/24 hr; 178.8 lb/hr

Note: to ensure compliance, no more than 20% of the facility's total emissions of toxics shall be emitted from the specialty sets area (EP-2 & EP-3). This limit was established during the toxics modeling and is based on stack heights.

Reporting Requirements: Quarterly reports are due to demonstrate compliance. 12-month rolling average for the previous 14 month period.

This facility is classified as Title V because of the methylene chloride emissions. In 1999, methylene chloride emissions exceeded 20,000 puonds. In 2000, methylene chloride emissions were approximately 15,000 pounds. The facility is currently maintaining production levels to build inventory prior to the plant closing.

Compliance with the toxic limits in Air Permit No. 3921R6 was indicated by quarterly reports and records review.

B. Two natural gas/No. 2 fuel oil-fired boilers, 8.4MMBtu/hr and 4.2MMBtu/hr, respectively (ID No. ES-3 and ES-4)

Regulated Pollutant	Limits/Standards	Applicable Regulation
particulate matter	0.56 pounds per million Btu heat input	15A NCAC 2D .0503
sulfur dioxide	2.3 pounds per million Btu heat input	15A NCAC 2D .0516
visible emissions	40 percent opacity - ES-4	15A NCAC 2D .0521
	20 percent opacity - ES-3	

There are no monitoring/recordkeeping/reporting requirements for the boilers when fired on natural gas and No. 2 fuel oil.

Observations: VE was 0%.

7) OTHER ENVIRONMENTAL PROGRAMS

Currently there is an ongoing groundwater remediation project on site (approximately 6 years ago, the facility was dumping solvents on the site). The facility is researching bioremediation technology to replace the pump and treat method that is in current use.

8) CONCLUSION:

It appeared during this visit that the facility was operating in compliance with their air permit. The facility's projected last date of production is June 30, 2001. In lieu of the terrorist attacks on September 11, 2001, it is possible that Abbott Labs may elect to retain this manufacturing process within the U.S. However, this is speculation.

Appendix H
DENR File Review Materials – Stormwater

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Environmental Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
A. Preston Howard, Jr., P.E., Director

DEHNR

RECEIVED
JUN 28 1993
ENV. MANAGEMENT
FAYETTEVILLE REG. OFFICE

June 18, 1993

Jack Strum
Abbott Laboratories
Highway 401 / 15-501
Laurinburg, NC 28353

Subject: General Permit No. NCG030000
Abbott Laboratories
COC NCG030183
Scotland County

Dear Mr. Strum:

In accordance with your application for discharge permit received on October 22, 1992, we are forwarding herewith the subject certificate of coverage to discharge under the subject state - NPDES general permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215 .1 and the Memorandum of Agreement between North Carolina and the US Environmental Protection agency dated December 6, 1983.

If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you have the right to request an individual permit by submitting an individual permit application. Unless such demand is made, this certificate of coverage shall be final and binding.

Please take notice that this certificate of coverage is not transferable except after notice to the Division of Environmental Management. The Division of Environmental Management may require modification or revocation and reissuance of the certificate of coverage.

This permit does not affect the legal requirements to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

If you have any questions concerning this permit, please contact Mr. Bill Mills at telephone number 919/733-5083.

Sincerely,
Original Signed By
Coleen H. Sullins
A. Preston Howard, Jr., P. E.

cc:
Fayetteville Regional Office

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL MANAGEMENT

GENERAL PERMIT NO. NCG030000
CERTIFICATE OF COVERAGE NO. NCG030183

STORMWATER DISCHARGES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provision of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

Abbott Laboratories

is hereby authorized to discharge stormwater from a facility located at

Abbott Laboratories
US Hwy 401 / 15-501
Laurinburg
Scotland County

to receiving waters designated as Leiths Creek in the Lumber River Basin

in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, III and IV of General Permit No. NCG030000 as attached.

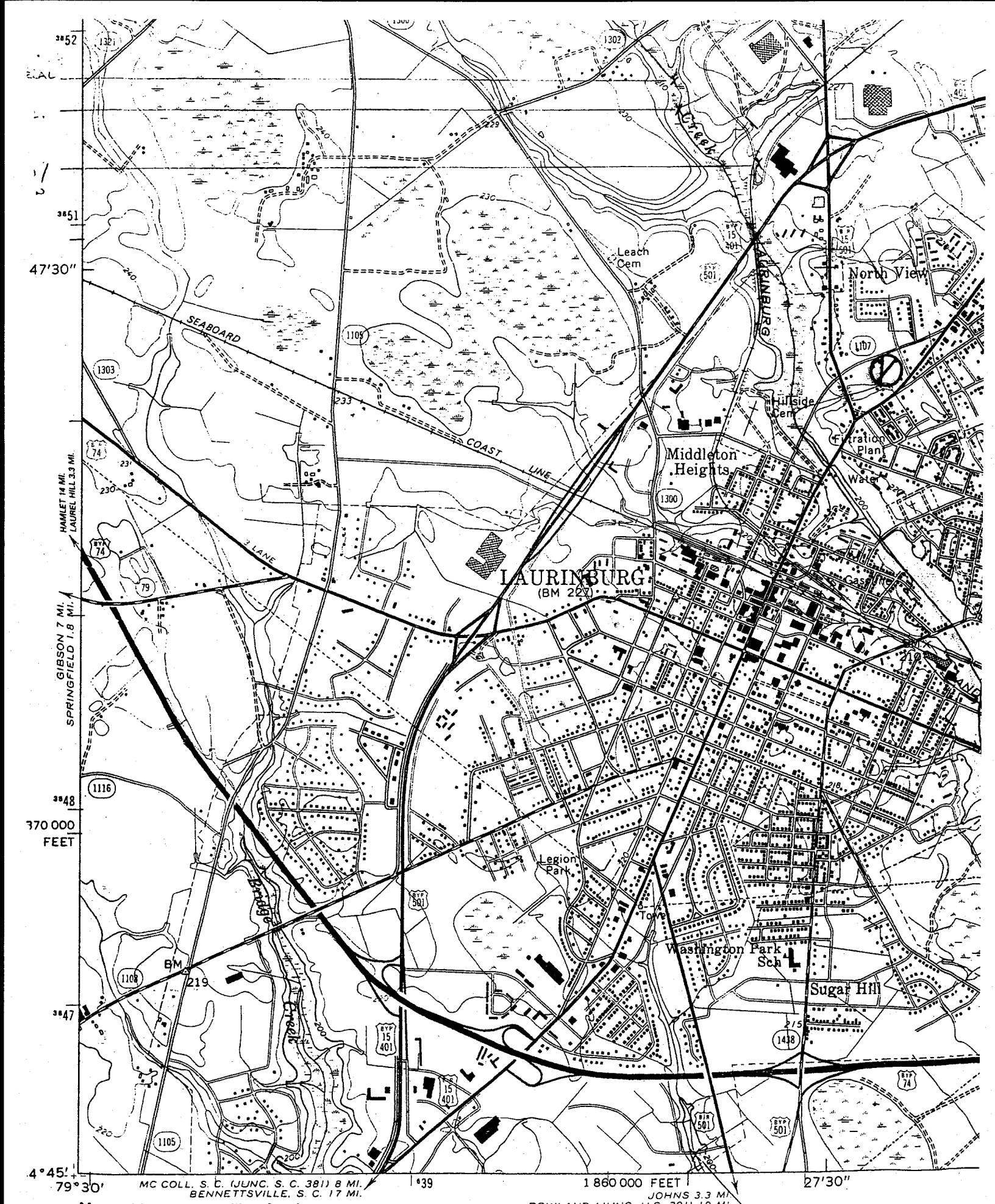
This Certificate of Coverage shall become effective June 18, 1993.

This Certificate of Coverage shall remain in effect for the duration of the General Permit.

Signed this day June 18, 1993.

Original Signed By
Coleen H. Sullins

A. Preston Howard, Jr., P.E., Director
Division of Environmental Management
By Authority of the Environmental Management Commission



Mapped by the Army Map Service
Published for civil use by the Geological Survey
Control by USGS, NOS/NOAA, and USCE
Topography by photo[illegible]

H 21 SW

William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Alan W. Klimek, P.E., Director
Division of Water Quality

August 23, 2002

AUG 29 2002

BRENT BOWERS
ABBOTT LABORATORIES-SCOTLAND
HWY 401/15-501
LAURINBURG, NC 28353

Subject: NPDES Stormwater Permit Renewal
ABBOTT LABORATORIES-SCOTLAND
COC Number NCG030183
Scotland County

Dear Permittee:

In response to your renewal application for continued coverage under general permit NCG030000, the Division of Water Quality (DWQ) is forwarding herewith the reissued stormwater general permit. This permit is reissued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between the state of North Carolina and the U.S. Environmental Protection Agency, dated December 6, 1983.

The following information is included with your permit package:

* A new Certificate of Coverage
* A copy of General Stormwater Permit NCG030000
* A copy of the Analytical Monitoring Form (DMR)
* A copy of a Technical Bulletin for the general permit

Your coverage under this general permit is not transferable except after notice to DWQ. The Division may require modification or revocation and reissuance of the Certificate of Coverage. This permit does not affect the legal requirements to obtain other permits which may be required by DENR or relieve the permittee from responsibility for compliance with any other applicable federal, state, or local law, rule, standard, ordinance, order, judgment, or decree.

If you have any questions regarding this permit package please contact Bill Mills of the Central Office Stormwater and General Permits Unit at (919) 733-5083, ext. 548

Sincerely,

Bradley Bennett

Bradley Bennett, Supervisor
Stormwater and General Permits Unit

cc: Central Files
Stormwater & General Permits Unit Files
Fayetteville Regional Office

William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Gregory J. Thorpe, Ph.D.
Acting Director
Division of Water Quality

December 27, 2001

DENR-FRO
APR 1 2002
DWQ

JACK STRUM
ABBOTT LABORATORIES-SCOTLAND
HWY 401/15-501
LAURINBURG, NC 28353

Subject: NPDES Stormwater Permit Renewal
ABBOTT LABORATORIES-SCOTLAND
COC Number NCG030183
Scotland County

Dear Permittee:

Your facility is currently covered for stormwater discharge under General Permit NCG030000. This permit expires on August 31, 2002. The Division staff is currently in the process of rewriting this permit and is scheduled to have the permit reissued by late summer of 2002. Once the permit is reissued, your facility would be eligible for continued coverage under the reissued permit.

In order to assure your continued coverage under the general permit, you must apply to the Division of Water Quality (DWQ) for renewal of your permit coverage. To make this renewal process easier, we are informing you in advance that your permit will be expiring. Enclosed you will find a **General Permit Coverage Renewal Application Form**. The application must be completed and returned by March 4, 2002 in order to assure continued coverage under the general permit.

Failure to request renewal within this time period may result in a civil assessment of at least $250.00. Larger penalties may be assessed depending on the delinquency of the request. Discharge of stormwater from your facility without coverage under a valid stormwater NPDES permit would constitute a violation of NCGS 143-215.1 and could result in assessments of civil penalties of up to $10,000 per day.

Please note that recent federal legislation has extended the "no exposure exclusion" to all operators of industrial facilities in any of the 11 categories of "storm water discharges associated with industrial activity," (except construction activities). If you feel your facility can certify a condition of "no exposure", i.e. the facilty industrial materials and operations are not exposed to stormwater, you can apply for the no exposure exclusion. For additional information contact the Central Office Stormwater Staff member listed below or check the Stormwater & General Permits Unit Web Site at http://h2o.enr.state.nc.us/su/stormwater.html

If the subject stormwater discharge to waters of the state has been terminated, please complete the enclosed **Rescission Request Form**. Mailing instructions are listed on the bottom of the form. You will be notified when the rescission process has been completed.

If you have any questions regarding the permit renewal procedures please contact Ricky Revels of the Fayetteville Regional Office at 910-486-1541 or Bill Mills of the Central Office Stormwater Unit at (919) 733-5083, ext. 548

Sincerely,

Bradley Bennett

Bradley Bennett, Supervisor
Stormwater and General Permits Unit

cc: Central Files
Fayetteville Regional Office

Michael F. Easley
Governor

William G. Ross, Jr., Secretary
North Carolina Department of Environment and Natural Resources

Alan W. Klimek, P.E., Director
Division of Water Quality

Rh

APR 9 2003

April 2, 2003

Jack Strum
Abbott Laboratories
Hwy 401/15-501
Laurinburg, North Carolina 28353

Subject: Rescission of NPDES Permit
Abbott Laboratories - Scotland
Permit Number NCG030183
Scotland County

Dear Mr. Strum:

It is the understanding of the Division that the subject facility has closed its plant in Scotland County. In accordance with this information, NPDES General Permit NCG030183 is rescinded, effectively immediately.

Please be advised that this permit rescission is based wholly upon the activities which would require general permit coverage at the site have ceased or been eliminated. Division staff has not visited the site to obtain independent verification. Operating a treatment facility, discharging wastewater or discharging stormwater to waters of the State without a valid NPDES Permit will subject the responsible party to a civil penalty of up to $25,000 per day. Enforcement action will be certain for persons that have voluntarily relinquished permit coverage when, in fact, continuing permit coverage was necessary. If, in retrospect, you feel the site still requires permit coverage, you should notify this office immediately. Furthermore, if in the future you wish to again discharge to the State's surface waters, you must first apply for and receive a new NPDES Permit.

If you have questions about this matter, please contact Vanessa Manuel at (919) 733-5083, extension 532 or the Water Quality staff in the Fayetteville Regional Office at (910) 486-1541.

Sincerely,

Vanessa E Manuel

for Alan W. Klimek, P.E.

Cc: Paul Rawls, DWQ FRO – w/ attachments
Bradley Bennett, Stormwater & General Permits Unit
Central Files – w/ original attachments
Fran McPherson, DWQ Budget Office

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

INVOICE
Annual Permit Fee

This annual fee is required by the North Carolina Administrative Code. It covers the administrative costs associated with your permit. It is required of any person holding a permit for any time during the annual fee period, regardless of the facility's operating status. Failure to pay the fee by the due date will subject the permit to revocation. Operating without a valid permit is a violation and is subject to a $10,000 per day fine. If the permit is revoked and you later decide a permit is needed, you must reapply, with the understanding the permit request may be denied due to changes in environmental, regulatory, or modeling conditions.

Permit Number:	**NCG030183** Abbott Laboratories-Scotland	**Annual Fee Period:**	**2/1/2003 to 1/31/2004**
		Invoice Date:	**March 24, 2003**
JACK STRUM ABBOTT LABORATORIES HWY 401/15-501 LAURINBURG NC 28353		**Due Date:**	**April 23, 2003**
		Annual Fee:	**$80.00**

Notes:

1. A $25.00 processing fee will be charged for returned checks in accordance with the North Carolina General Statute 25-3-512.
2. **Non-Payment of this fee by the payment due date will initiate the permit revocation process.**
3. Remit payment to:
   NCDENR -Division of Water Quality
   1617 Mail Service Center
   Raleigh, North Carolina 27699-1617
4. Should you have any questions regarding this invoice, please contact the Annual Administering and Compliance Fee Coordinator at 919-733-5083 extension 210.

Plant Closed

ANNUAL PERMIT INVOICE
(Return This Portion With Check)

Permit Number:	**NCG030183** Abbott Laboratories-Scotland	**Annual Fee Period:**	**2/1/2003 to 1/31/2004**
		Invoice Date:	**March 24, 2003**
JACK STRUM ABBOTT LABORATORIES HWY 401/15-501 LAURINBURG NC 28353		**Due Date:**	**April 23, 2003**
		Annual Fee:	**$80.00**
		Check Number:	

Scotland

Appendix I
Parital List of Environmental Documents Reviewed by ERM

ABBOTT LABORATORIES

Curtis R. Michols
Senior Environmental Specialist
Corporate Environmental Services

Abbott Laboratories
Dept. 539, Bldg. AP52-S
200 Abbott Park Road
Abbott Park, Illinois 60064-6212
Telephone: (847) 937-0863
Facsimile: (847) 937-9679
Curtis.Michols@Abbott.com

May 30, 2003

Ms. Peggy DiPaola
GOJO Industries, Inc.
One GOJO Plaza, Suite 500
Akron, Ohio 44311

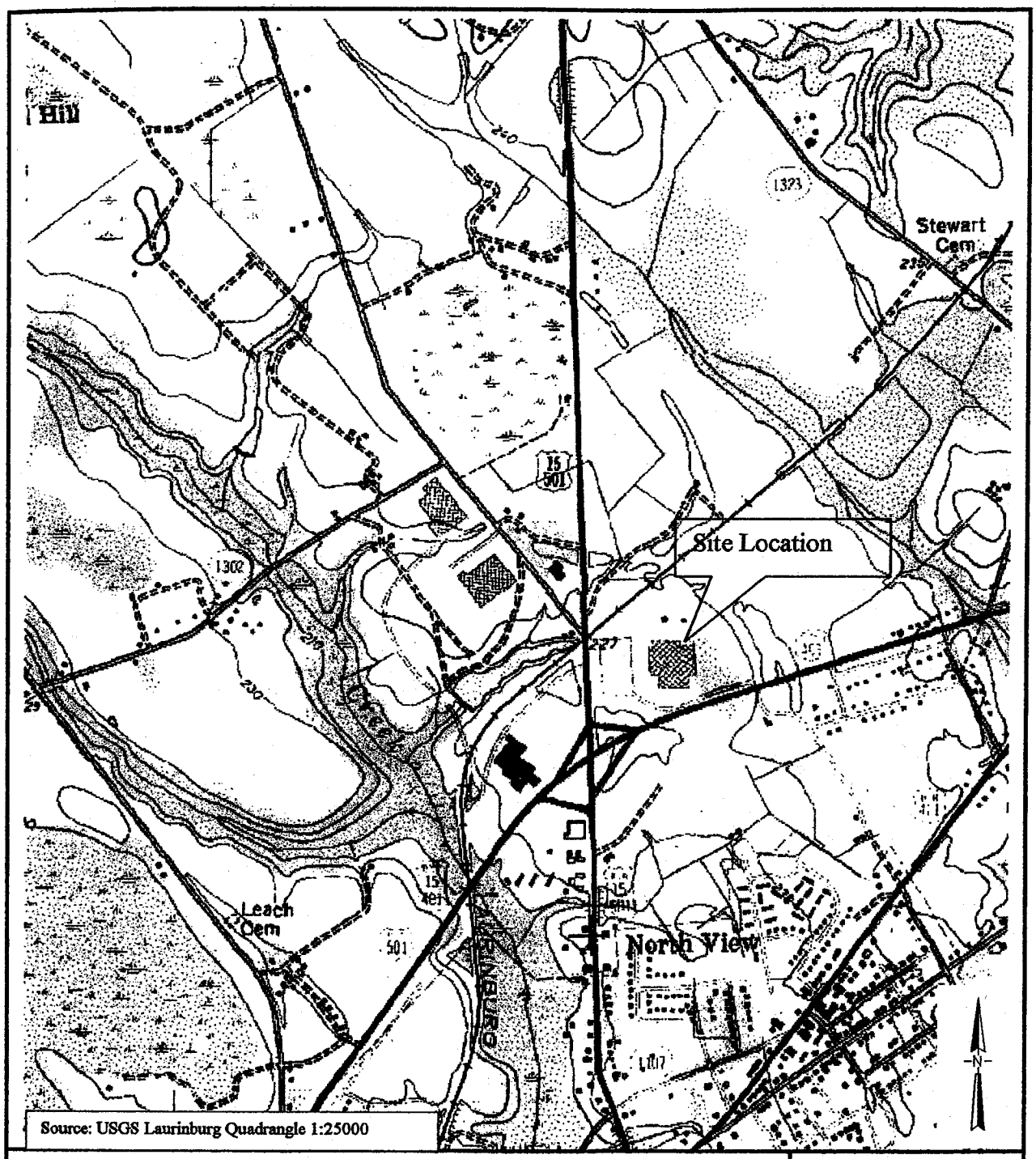
Re: Copies of Environmental Documents Prepared for the Abbott Laboratories, Laurinburg, North Carolina facility

Dear Ms. DiPaola:

Enclosed please find two copies of recent environmental documents that have been prepared addressing the volatile organic compound (VOC) and fuel oil releases at our Laurinburg, North Carolina facility. For the VOC release, these reports consist of the following:

1. *Administrative Order On Consent*, prepared by North Carolina Department of Environment, Health, and Natural Resources, dated April 1, 1991.
2. *Remedial Action Plan*, prepared by Rust Environment & Infrastructure, dated August 1994, Revision 1 November 1994.
3. *Semi-Annual Groundwater Monitoring Report and Semi-Annual Operations and Maintenance Report*, prepared by Radian Engineering, Inc. (Radian), dated June 2000.
4. *In Situ Remediation Pilot Test Work Plan*, prepared by Radian, dated September 26, 2000.
5. *Flow Modeling Results for RW-7*, prepared by Radian, dated December 15, 2000.
6. *In Situ Remediation Pilot Test Work Plan Letter*, prepared by North Carolina Department of Environment and Natural Resources (NCDENR), dated December 21, 2000.
7. *Semi-Annual Groundwater Remediation Report*, prepared by Radian, dated December 2000.
8. *Supplemental Investigation Report for the Source Area*, prepared by Radian, dated February 2001.
9. *Permit for Zero Valent Iron and Molasses Pilot-Scale Test*, prepared by Radian, dated March 2, 2001.
10. *Request for Approval: Use of Product Applied to Groundwater*, prepared by Radian, dated June 14, 2001.
11. *Semi-Annual Groundwater Monitoring Report and Semi-Annual Operations and Maintenance Report*, prepared by Radian, dated June 2001.

Appendix J
Site Assessment and Remediation
Figures and Documents



miles 0 0.5 1.0

Figure E-1

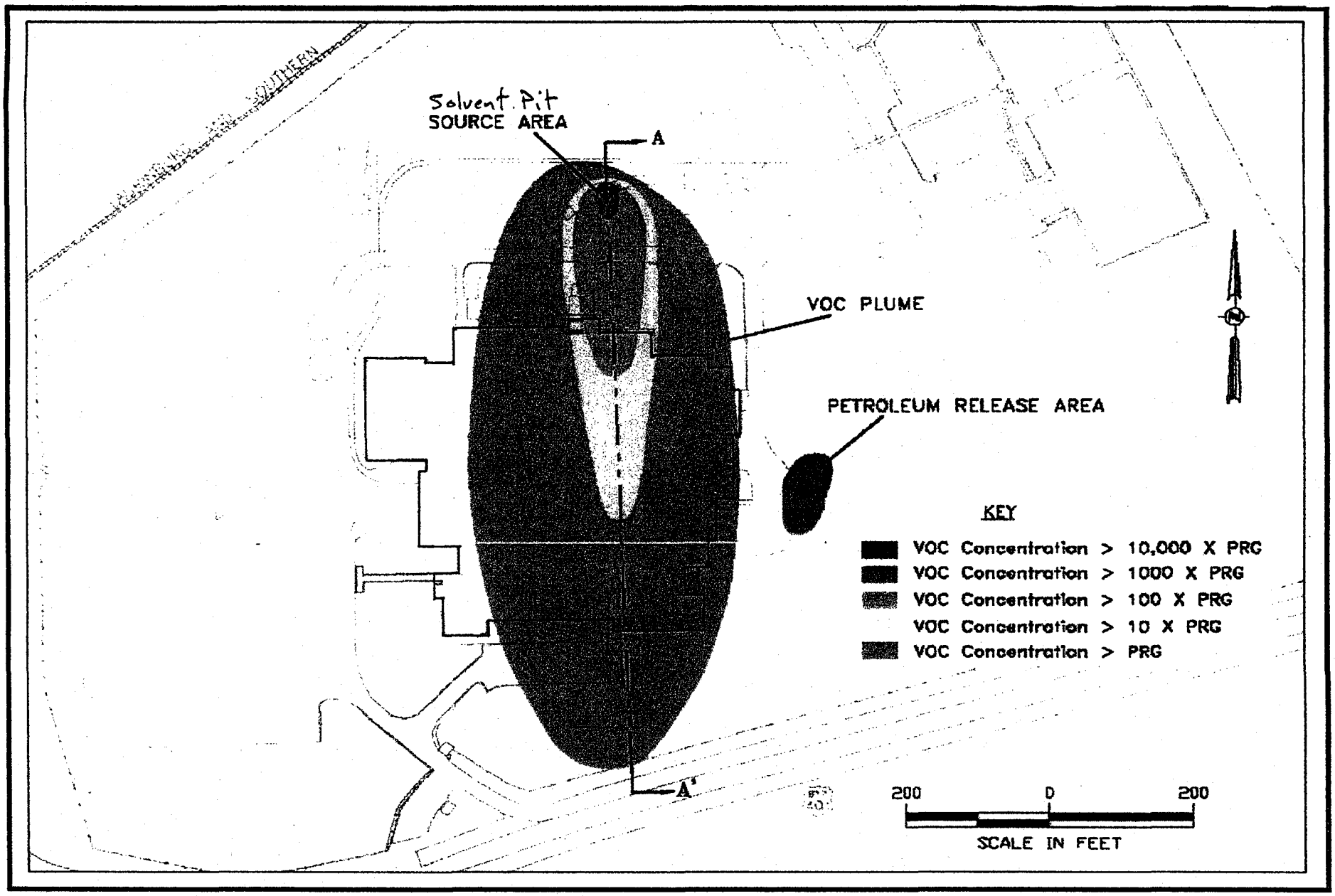
Matrix Environmental, Inc.
355 North Milwaukee, Suite A
Libertyville, Illinois 60048

Site Location Map

Abbott Laboratories
Laurinburg, North Carolina

FIGURE 1 J

ABBOTT\LAURINBURG\ACAD\MASTERSITE.DOC



Both releases are being remediated under the direction of CES

FIGURE 2 J

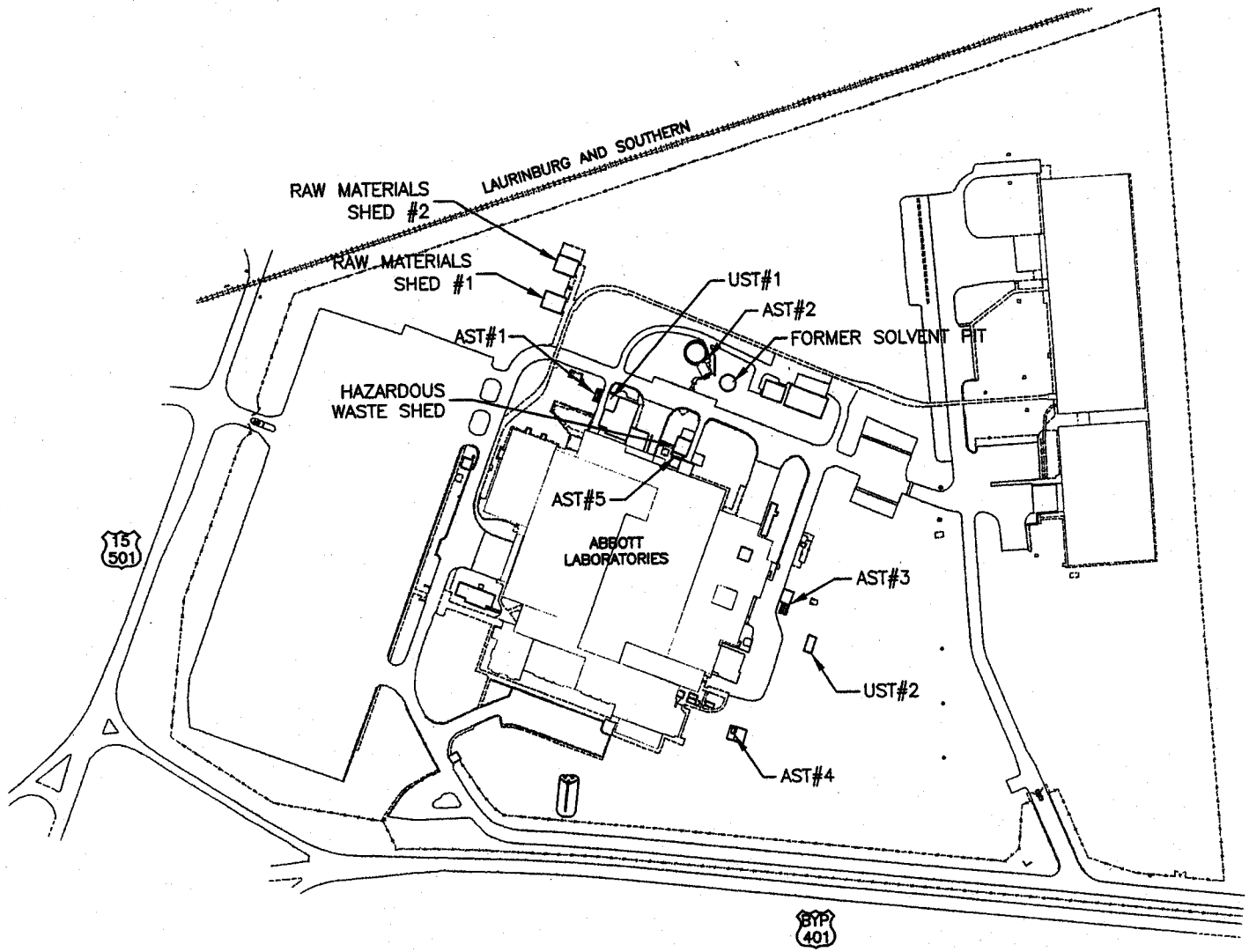


FIGURE 2-3

Matrix Environmental Southeast, Inc.
357 N. Milwaukee Ave., Suite A
Libertyville, Illinois 60048

Potential Groundwater Contamination Source Areas
Fuel Oil Release
Abbott Laboratories
Laurinburg, North Carolina

FIGURE 3 J

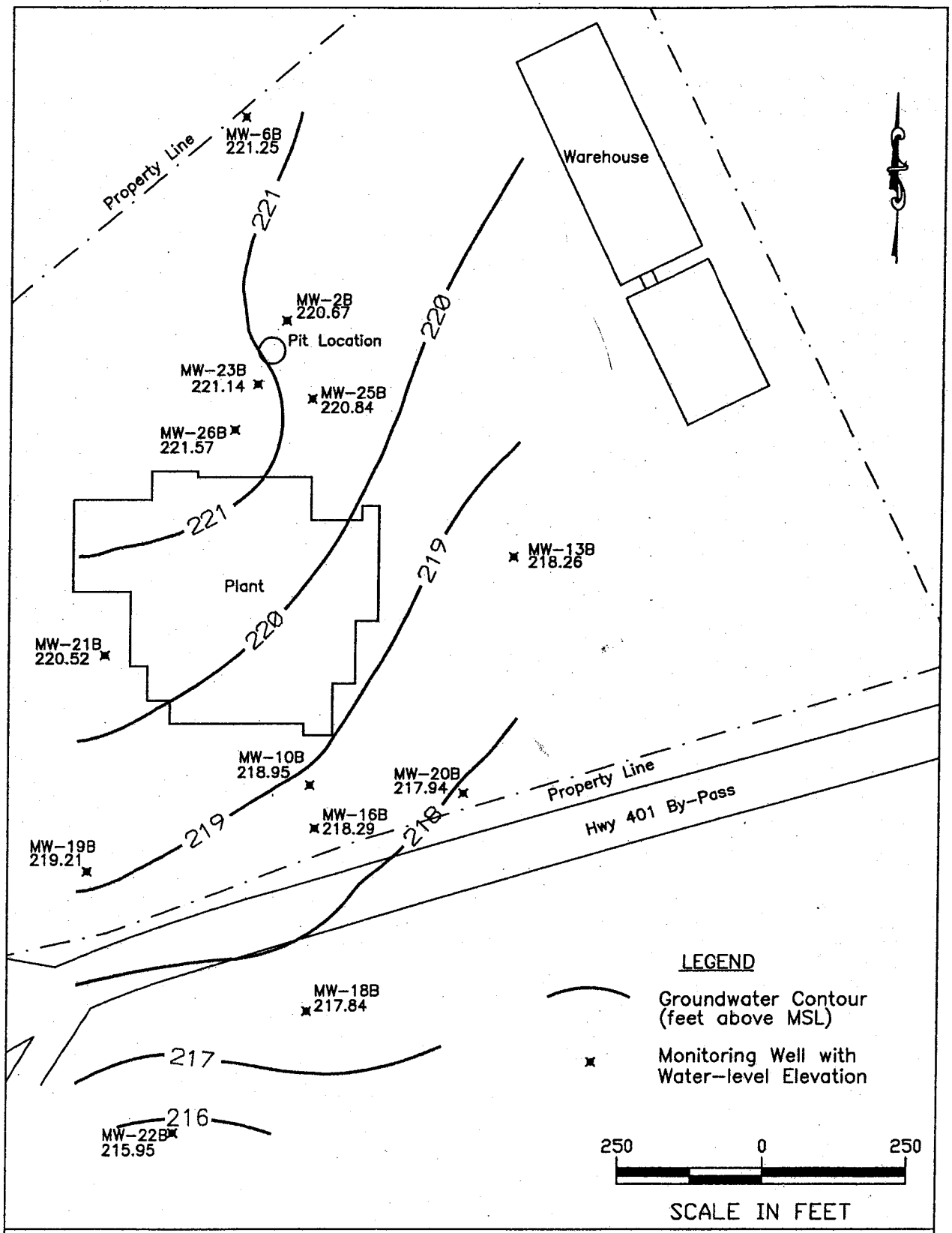
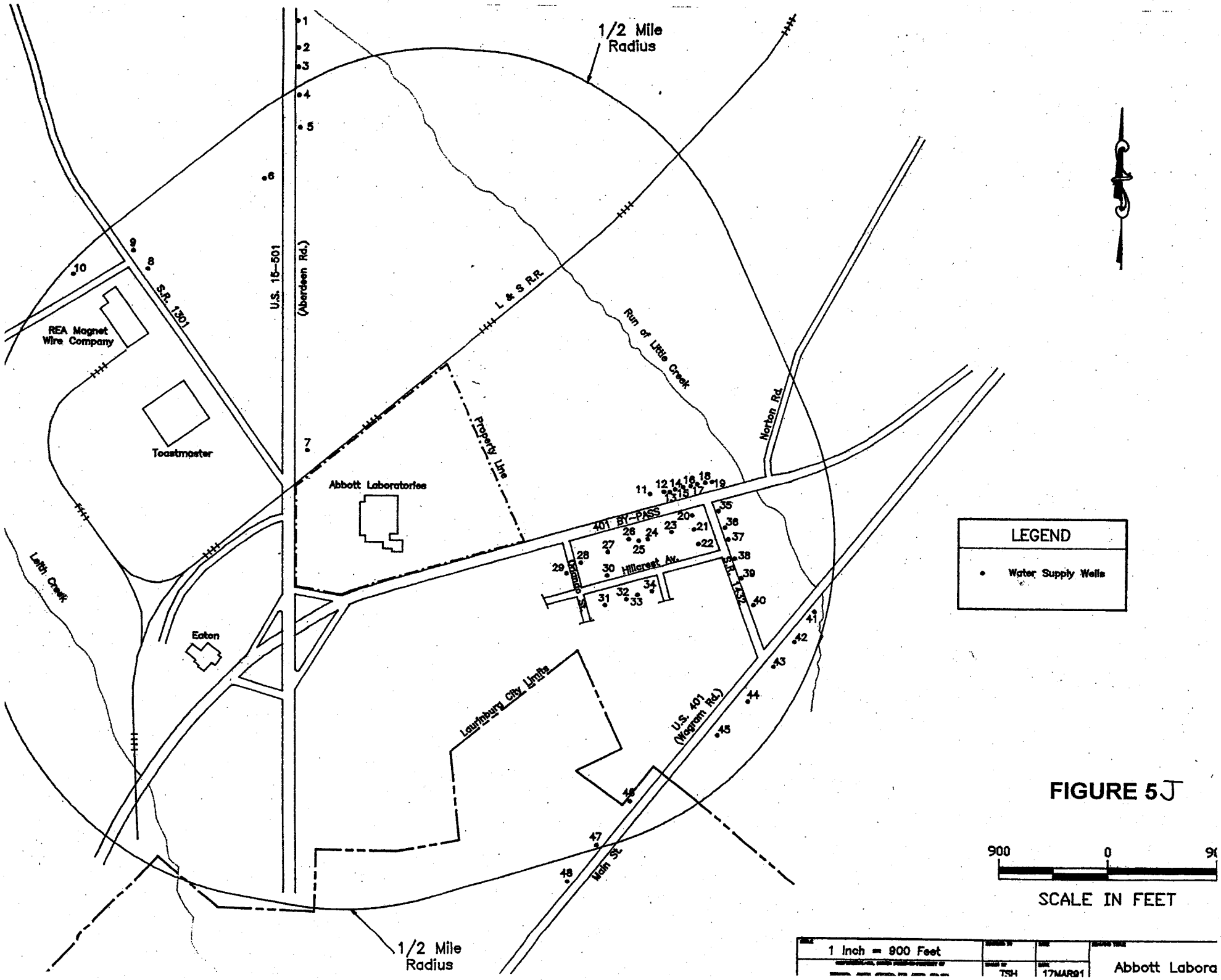


Figure 3-1. Groundwater Contour Map,
September 24, 2001, Abbott Laboratories, Laurinburg, NC SEP01SHA

FIGURE 4 J


1/2 Mile Radius
1/2 Mile Radius
U.S. 15-501 (Aberdeen Rd.)
S.R. 1301
L & S R.R.
Run of Little Creek
Property Line
Norton Rd.
REA Magnet Wire Company
Toastmaster
Abbott Laboratories
Latih Creek
Eaton
401 BY-PASS
Hillcrest Av.
Grando St.
S.R. 1432
Laurinburg City Limits
U.S. 401 (Wagram Rd.)
Main St.
LEGEND
Water Supply Wells
FIGURE 5J
900
0
SCALE IN FEET
1 Inch = 900 Feet
TSH
17MAR91
Abbott Labora

VDC-1

State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
P.O. Box 27687 · Raleigh, North Carolina 27611-7687

James G. Martin, Governor
William W. Cobey, Jr., Secretary

William L. Meyer
Director

1 April 1991

Ms. Laurel D. Breitkopf, Division Counsel
Abbott Laboratories
One Abbott Park Road
Abbott Park, IL 60064-3500

RE: Abbott Laboratories
Laurinburg, Scotland County

Dear Ms. Breitkopf:

Enclosed is a final copy of the Consent Agreement between the Division of Solid Waste Management and Abbott Laboratories. It is my understanding that all issues have been resolved. Please notify me at 919/733-2801 if you have any questions or comments.

Thank you for facilitating these negotiations. We look forward to working with Abbott Laboratories.

Sincerely,

Lee Crosby

Lee Crosby, Chief
Superfund Section

LC/acr

Enclosure

Appendix J6

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF SOLID WASTE MANAGEMENT
SUPERFUND SECTION

In Re:	Abbott Laboratories Laurinburg, North Carolina	Administrative Order On Consent Docket Number 91-SF-007

I. JURISDICTION

This Administrative Order on Consent (Consent Order) is issued pursuant to Part 3 of Article 9 of Chapter 130A of the North Carolina General Statutes, N.C.G.S. Section 130A-310 *et seq*. The Director of the Division of Solid Waste Management has been delegated the authority to implement the statute.

II. STATEMENT OF PURPOSE

This Consent Order is entered for the limited purpose of addressing soil and groundwater contamination at the Abbott Laboratories facility in Scotland County, North Carolina (the Site). In entering into this Consent Order, the mutual objective of the Superfund Section (Section) and Abbott Laboratories (Abbott) is for Abbott to undertake a voluntary remedial action with the approval of the Section including the following components: (1) preparation of a remedial investigation plan for evaluating the extent of contamination, (2) implementation of the remedial investigation plan, (3) determination of a cleanup level for each contaminant detected in soil and groundwater which will protect human health and the environment, (4) completion of a feasibility study and remedial action plan to evaluate alternatives for meeting the cleanup criteria, and (5) implementation of the approved remedial action plan. This Consent Order is entered without prejudice to any further action which may be necessary at the Site. Further soil and groundwater studies, groundwater remediation and remediation of other hazardous substances which may be found to have been released at the Site, if any, may be addressed in subsequent orders.

III. STIPULATION OF FACT

Based upon information available on the effective date of this Consent Order, the following facts are stipulated for the purposes of this Consent Order:

A. The Site is defined as the property and facility currently owned and operated by Abbott on Highway 401 and the intersection of 15 and 501 in Laurinburg, North Carolina, and includes any contiguous property which has become contaminated as a result of the release of contaminants at the Abbott property.

B. Abbott has operated a medical device assembly and sterilization facility at the Site since 1968. The Site was previously agricultural land prior to construction of the Abbott facility.

C. Soil sampling at the Site has shown the presence of 31,400 parts per billion (ppb) trichloroethene, 1,100 ppb toluene, 190 ppb 1,1,1-trichloroethane, and 160 ppb tetrachloroethene.

D. Groundwater sampling at the Site has shown the presence of 13,800 ppb methylene chloride, 38,900 ppb trichloroethene, 3,600 ppb toluene, 167 ppb chloroform, 200 ppb 1,1-dichloroethene, 45 ppb xylenes, and 28 ppb trans-1,2-dichloroethene.

E. Nothing in this Consent Order shall be construed to affect any right, claims or defenses of any party hereto or any other person or entity. This Consent Order is not intended and should not be construed as an admission of any fact or liability by Abbott or the applicability of any law to Abbott except to the extent required to implement this Consent Order, and this Consent Order shall not be admissible in any other context or for any other purpose.

F. The Section has not determined on the effective date of the Consent Order whether contamination at the Site is limited to the above named contaminants.

IV. CONCLUSIONS OF LAW

Based upon information available on the effective date of this Consent Order the Section concludes for the purposes of this Consent Order that:

A. The Superfund Section, Department of Environment, Health and Natural Resources of the State of North Carolina (State) has been delegated the authority to administer the State's Inactive Hazardous

Sites Act, N.C.G.S. Section 130A-310 *et seq.* Under this statute the Section has the authority to identify, inventory, and monitor inactive hazardous substance or hazardous waste disposal sites and to develop and/or approve remedial action plans for inactive hazardous substance or hazardous waste disposal sites pursuant to N.C.G.S. Section 130A-310 *et seq.* The Section may also order the responsible party to conduct site investigations and to implement remedial action plans, and the Section may approve voluntary remedial actions in accordance with the statute.

B. Abbott is a "person" as defined in N.C.G.S. Section 130A-290(22).

C. Trichloroethene, toluene, 1,1,1-trichloroethane, tetrachloroethene, methylene chloride, chloroform, 1,1-dichloroethene, xylenes, and trans-1,2-dichloroethene are hazardous substances under Section 101(14) of CERCLA, 42 U.S.C. Section 9601 (14), incorporated at N.C.G.S. Section 130A-310(2).

D. The hazardous substances described in Paragraph IV.C. above have been deposited or disposed of at the Site.

E. The disposal of hazardous substances at the Site constitutes an actual and/or threatened "release" as defined in Section 101(22) of CERCLA, 42 U.S.C. Section 9601(22), incorporated at N.C.G.S. Section 130A-310(6).

F. Nothing in this Consent Order shall be construed as limiting the Section in performing its duty to protect the public health and the environment of the State as required by law.

V. DETERMINATION

Based on the Stipulations of Fact and Conclusions of Law set out above, the Section has determined that:

A. The actions required by this Consent Order, which Abbott has voluntarily agreed to perform, are reasonable and necessary to ascertain the nature and extent of any hazard posed by the Site and are in the public interest.

B. Abbott will properly and promptly conduct the voluntary remedial action and is qualified to perform the terms of this Consent Order.

C. This Consent Order shall be binding upon Abbott and the successors and assignees of Abbott. The Consent Order shall also enure to the benefit of Abbott and its successors and assignees. Abbott shall provide a copy of this Consent Order to each contractor or other person performing any work under this Consent Order and shall ensure that the work of each complies with the terms of this Consent Order.

VI. WORK TO BE PERFORMED

All work performed pursuant to plans approved under this Consent Order shall be under the direction and supervision of a qualified professional engineer or a certified geologist with expertise in hazardous waste site cleanup.

The Director of the Division of Solid Waste Management has determined that this Consent Order is reasonable and necessary to ascertain the nature and extent of any hazard posed by the Site and is in the furtherance of the public interest and with the consent and cooperation of Abbott hereby orders the following action:

A. Abbott shall submit a report to the Section within sixty (60) days after the effective date of this Consent Order which shall include at least the following:

1. A description of the Site including: a copy of the deed, a site map, survey plat, and identification of adjacent land use including any adjacent environmentally sensitive areas;

2. A listing of all chemicals and hazardous substances known to be used at the Site in production operations during the lifespan of the facility, including approximate amounts and dates of use to the extent known by Abbott;

3. Copies of all federal, state or local environmental permits, past and present, issued to Abbott within Abbott's custody or control;

4. A description of waste management practices for hazardous substances during the lifespan of production operations at the facility, including a listing of types and amounts of waste generated, treatment and storage methods, and ultimate disposition of wastes;

5. A draft remedial investigation work plan describing procedures for identifying all disposal areas, defining the extent of soil and groundwater contamination, and implementing quality control and quality assurance methods; and

6. An inventory of community and private wells located within one-half mile of the Site.

B. Abbott shall implement the remedial investigation within 90 days of the effective date of this Consent Order.

C. Within 365 days after the effective date of this Consent Order Abbott shall submit information and a survey plat for recordation as provided by N.C.G.S. Section 130A-310.8.

D. Within ninety (90) days after receipt of the Section's acknowledgement of Abbott's completion of the remedial investigation (including receipt of analytical data from the remedial investigation), Abbott shall submit to the Section three (3) copies of its proposed remedial action plan for clean up of contaminated soils and groundwater at the Site, which shall include at least:

1. The results of the remedial investigation;

2. If groundwater contamination caused by Abbott from hazardous substances described herein or identified during the remedial investigation affects the supply of drinking water wells, Abbott shall provide an alternate drinking water source for users of those wells;

3. An evaluation of at least one (1) method for remediation of each media determined to be contaminated, in each of the following categories: treatment on-site leaving residues on-site, treatment on-site without leaving residues, and removal and off-site management (any proposed treatment technology may have to be tested on Site to verify its effectiveness);

4. Proposed cleanup levels in accordance with applicable or relevant and appropriate cleanup standards under CERCLA/SARA for each CERCLA hazardous substance present at the Site;

5. A description of procedures for treatment method evaluated herein and for decontamination of equipment, including an estimate of the volume of wastes to be treated, a map drawn to scale depicting the vertical and horizontal extent of the groundwater contaminant plume, an estimate of time required for any groundwater treatment determined to be necessary, a description of the basis for the estimate, a statement addressing the technical feasibility and cost estimates for treatment alternatives considered;

6. A description of any activities that are necessary to ensure that remedial activities are implemented in compliance with applicable regulations and that cleanup levels established herein are met, if appropriate. These activities include, but are not limited to, well installation and abandonment, sampling, and run-on/run-off control;

7. A health and safety plan;

8. A description of chain-of-custody and quality control and quality assurance procedures;

9. A proposed schedule of work; and

10. A description of methods of post-remedial sampling and any necessary maintenance, where applicable.

E. After the proposed remedial action plan has been reviewed by the Section and any agreed upon amendments to the proposed remedial action plan have been made, Abbott shall provide copies of the proposed remedial action plan, in addition to those copies required above, in sufficient quantities for distribution to the local health director, register of deeds office, and each public library in the county where the Site is located, if requested by the Section.

F. The Section will review and comment on whether the proposed remedial action plan will protect public health and the environment. The proposed remedial action plan shall not be implemented until approval is received from the Section. The Section shall approve or disapprove the proposed remedial action plan within a reasonable period of time of receipt from Abbott.

G. Abbott shall implement the approved remedial action plan within sixty (60) days of receiving written approval from the Section.

H. Any modifications of the approved remedial action plan must be submitted in writing to and approved by the Section.

I. During the first month of the soil remedial action, Abbott shall provide weekly progress reports to the Section. For the remainder, if any, of the soil remedial action, Abbott shall provide monthly progress reports to the Section. Abbott shall provide quarterly reports during any necessary groundwater remediation and post remedial maintenance. Further, Abbott shall provide a final report with sampling data which shall verify that the approved remedial action plan was implemented and completed. In lieu of a single final report for the remedial action, Abbott may submit a final report for each medium which addresses implementation and completion of the approved remedial action plan for that medium. After review and approval of the final report for a given medium, the Section shall inform Abbott in writing that the approved remedial action plan for that medium has been implemented and completed.

VII. SAMPLING, ACCESS, AND DATA/DOCUMENT AVAILABILITY

Abbott shall make the results of all sampling and/or tests or other data generated by Abbott or on Abbott's behalf, with respect to the implementation of this Consent Order, available to the Section and shall submit these results in weekly, monthly or quarterly progress reports as described in Section VI of this Consent Order. The Section will make available to Abbott the results of sampling and/or tests or other data similarly generated by the Section, within sixty (60) days of the Section's receipt.

At the request of the Section, Abbott shall allow the Section to take split or duplicate samples of any samples collected by Abbott pursuant to the implementation of this Consent Order. Abbott shall notify the Section not less than five (5) days in advance of any sample collection activity. This notification may be given verbally in the field by Abbott to the Section.

The Section shall also allow Abbott to take split or duplicate samples of any samples collected by the Section during the period of performance of work associated with this Consent Order. The Section shall notify Abbott not less than five (5) days in advance of any sample collection activity by or on behalf of the Section.

Authorized Section personnel shall have the permission to enter and freely move about all property at the Site currently owned by Abbott at all reasonable times for the purposes of, *inter alia*: inspecting records, operating logs, and contracts related to work under this Consent Order; reviewing the progress of Abbott in carrying out the terms of this Consent Order; conducting such tests as the Section

deems necessary; and verifying the data submitted to the Section by Abbott. Abbott shall permit such persons to inspect and copy all records, files, photographs, documents, and other writings including all sampling and monitoring data, in any way pertaining to work undertaken pursuant to this Consent Order, except those materials for which a confidentiality claim will be asserted hereunder. Documents subject to the attorney-client privilege or attorney work product doctrine are not subject to inspection and copying. All parties with access to the Site pursuant to this paragraph shall comply with all approved health and safety plans.

Abbott may assert a confidentiality claim covering part or all of the information provided under this Consent Order for information which is entitled to protection under N.C.G.S. Section 130A-304(b), within 60 days of the Section's request to inspect and copy such information. Any assertion of confidentiality shall be adequately substantiated when the assertion is made. Analytical data shall not be claimed as confidential by Abbott. Information determined to be confidential by the Section shall be afforded the protection specified in N.C.G.S. Section 130A-304. If no such claim and substantiation accompanies the information when it is submitted to the Section, the information may be made available to the public by the Section without further notice to Abbott.

VIII. DELAY IN PERFORMANCE

The dates for submissions and completions contained in this Consent Order are based on predicted times for review and approval, for sampling, for analytical work, and similar items that are to some extent beyond the control of Abbott. It is also agreed that the schedules for sampling and remedial action plans are by necessity dependent on the scope and nature of the requisite work, and that this scope and nature of work is presently uncertain, but will be better determined in the course of Site activities. Consequently, the Section shall extend a date for good cause shown. Good cause shall include any delays attributable to weather, receipt of analytical results, good faith dispute resolution, inability to access adjacent property, or administrative delay in obtaining federal, state or local permits. Good cause may be shown, among other ways, by demonstrating that the scope of work exceeds that which is contemplated by the parties on the effective date of this Consent Order or that review or approval has been delayed. As soon as Abbott is aware of the potential for delay, it shall submit to the Section written documentation of the reasons for the delay and the efforts made by Abbott to avoid the delay, as well as a time by which such work can be completed. The Section shall review the documentation and shall promptly approve the new schedule if good cause is shown. If Abbott is unable by reasonable efforts to access adjacent property as necessary, the Section shall assist Abbott in obtaining access. Reasonable efforts shall not include litigation.

IX. DISPUTE RESOLUTION

Approval or disapproval of the proposed remedial action plan shall occur within the period set forth in Paragraphs VI F. The Section shall review each document submitted by Abbott pursuant to the proposed remedial action plan and shall notify Abbott within a reasonable period of time after receipt whether the document is approved or disapproved. In the event that the Section disapproves in whole or in part any document submitted by Abbott pursuant to the proposed remedial action plan, the Section shall advise Abbott in writing as to the modifications or additions which must be made to the document prior to approval, and shall propose a schedule for completion of such modifications or additions. Included within the terms of this paragraph is any instance where the Section disapproves the recommendation in any proposed plan or report that no further work be performed under this Consent Order. If Abbott does not object to the Section's modifications or additions within thirty (30) days of receipt of the Section's written statement containing those modifications or additions, Abbott shall expeditiously undertake all such modifications and additions in accordance with the schedule for completion contained in such written statement. If Abbott has objected to any such modifications or additions within thirty (30) days of receipt of the written statement from the Section containing such modifications or additions, Abbott shall submit a statement as to its understanding of the nature of the dispute, the basis for the dispute, Abbott's position with regard to the dispute, and the basis for concluding Abbott's position should be followed. Upon receipt of Abbott's statement, the Section shall meet with Abbott to attempt in good faith to resolve the dispute. If agreement is reached, the resolution shall be reduced to writing, signed by representatives of each party, and shall be binding upon both parties. If the Section does not accept Abbott's position, the notice of such non-acceptance shall contain a statement of the Section's understanding of the basis of the dispute, its position with regard to the dispute, and the basis for the Section's conclusion that it cannot accept Abbott's position. If the Section and Abbott cannot agree, this Consent Order shall dissolve and the Section shall withdraw approval of Abbott's voluntary remedial action. The Section reserves its rights to thereafter pursue whatever action is deemed necessary against Abbott, and Abbott reserves the right to respond to such action.

X. ADDITIONAL PROVISIONS

A. Any and all documents to be submitted to the Section should be sent by certified mail, return receipt requested, or hand delivered to:

Ms. Lee Crosby
NC Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
Superfund Section
Post Office Box 27687
Raleigh, NC 27611

B. Notwithstanding compliance with the terms of this Consent Order, Abbott may be required to take further actions as necessary to abate any endangerment posed by conditions at the Site.

C. In the event that the Section determines that activities implemented are not in compliance with this Consent Order, or any other circumstances or activities are or may be creating an imminent and substantial endangerment to the public health or welfare of the environment, the Section may order Abbott to halt further implementation of this Consent Order for such period of time as necessary to abate the endangerment.

D. Abbott shall preserve, during the pendency of this Consent Order and for a minimum of six (6) years after its termination, all non-privileged records and documents in its possession, or in the possession of its divisions or employees, including all non-privileged documents and records in Abbott's possession which were generated by its agents or contractors, which relate in any way to the work performed pursuant to this Consent Order at the Site, and to the implementation of this Consent Order, despite any document retention policy to the contrary. After this six (6) year period, Abbott shall notify the Section within thirty (30) calendar days prior to the destruction of any such documents. Upon request by the Section, Abbott shall make available to the Section such records or copies of such non-privileged records. Additionally, if the Section requests that some or all documents be preserved for a longer period, Abbott shall comply with such request. Any such request which is made verbally shall be memorialized in a writing and made available to Abbott within sixty (60) days of the request.

XI. EFFECTIVE DATE

The effective date of this Consent Order is the date of receipt by Abbott's designated representative of a fully executed copy of the Consent Order. Abbott's designated representative for this purpose is:

Laurel Breitkopf, Esq.
Abbott Laboratories
Department 322
One Abbott Park Road
Abbott Park, Illinois 60064-3500

Abbott's designated representative promptly shall send the Section acknowledgement of the date of Abbott's receipt of the fully executed Consent Order.

This Consent Order is entered into on the _____ day of _____, 1991.

By: _____
Division of Solid Waste Management
North Carolina Department of Environment, Health, and Natural Resources

By: _____
Abbott Laboratories
Its: Senior Vice President, Hospital Products

Abbott Laboratories
Corporate Environmental, Health, Safety & Energy
200 Abbott Park Road
D539 Building AP52-S
Abbott Park, IL 60064-6212

Facsimile Cover Sheet

To: **Rick Tarravechia - ERM**

FAX #: 704-541-8416 **Number of pages including cover sheet: 12**

From: Curt Michols **Tel:** (847) 937-0863

Date: 7/9/03 **Fax:** (847) 937-9679

Rick:

Per our discussion, here is the AOC. I'm not sure why this did not make it to you. Please let me know if you have any questions or need anything else.

Thanks.

Curt

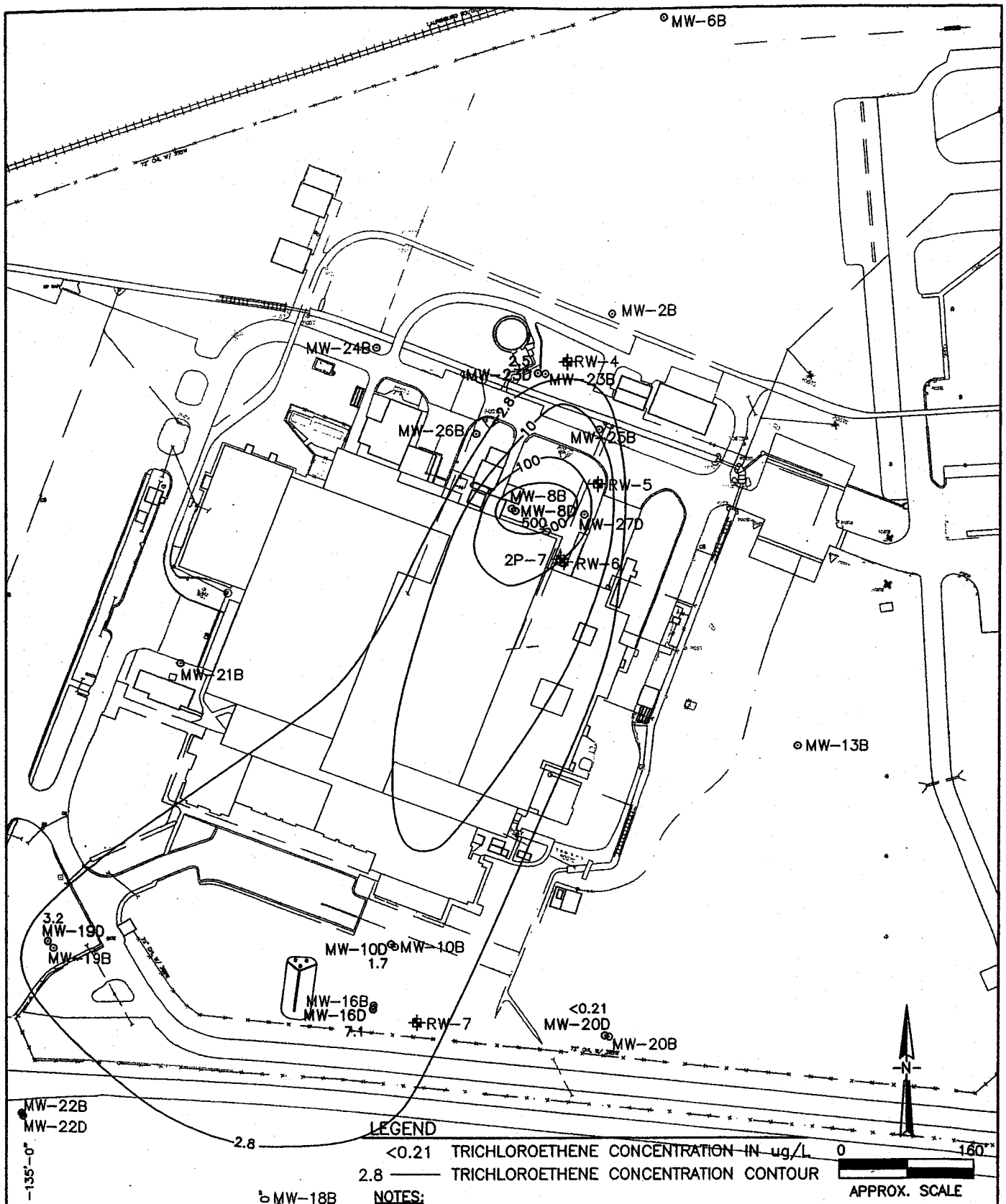


FIGURE 2-4

Matrix Environmental Southeast, Inc.
357 N. Milwaukee, Ave., Suite A
Libertyville, Illinois 60048

VOC Plume
Fuel Oil Release
Abbott Laboratories
Laurinburg, North Carolina

FIGURE J-7

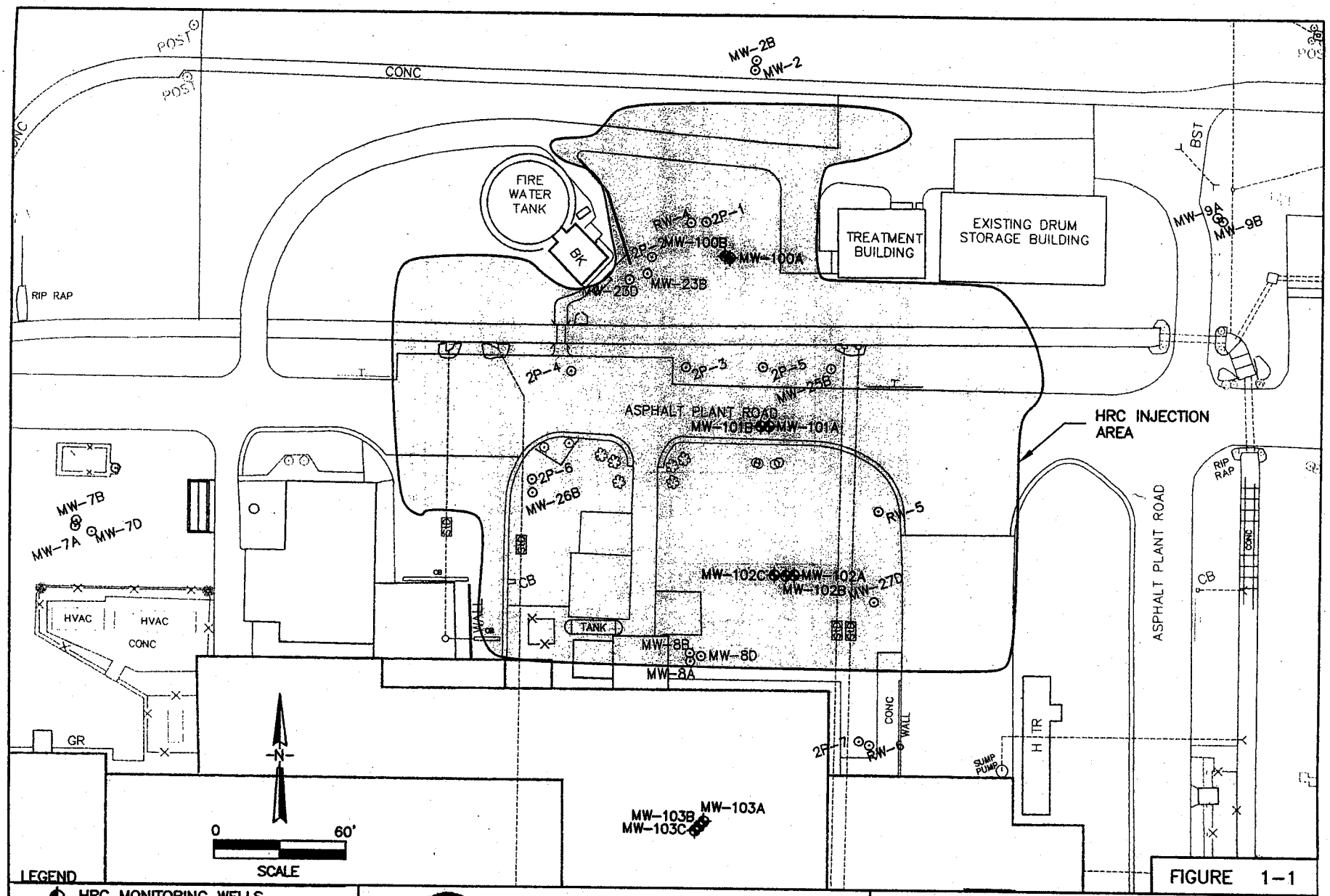
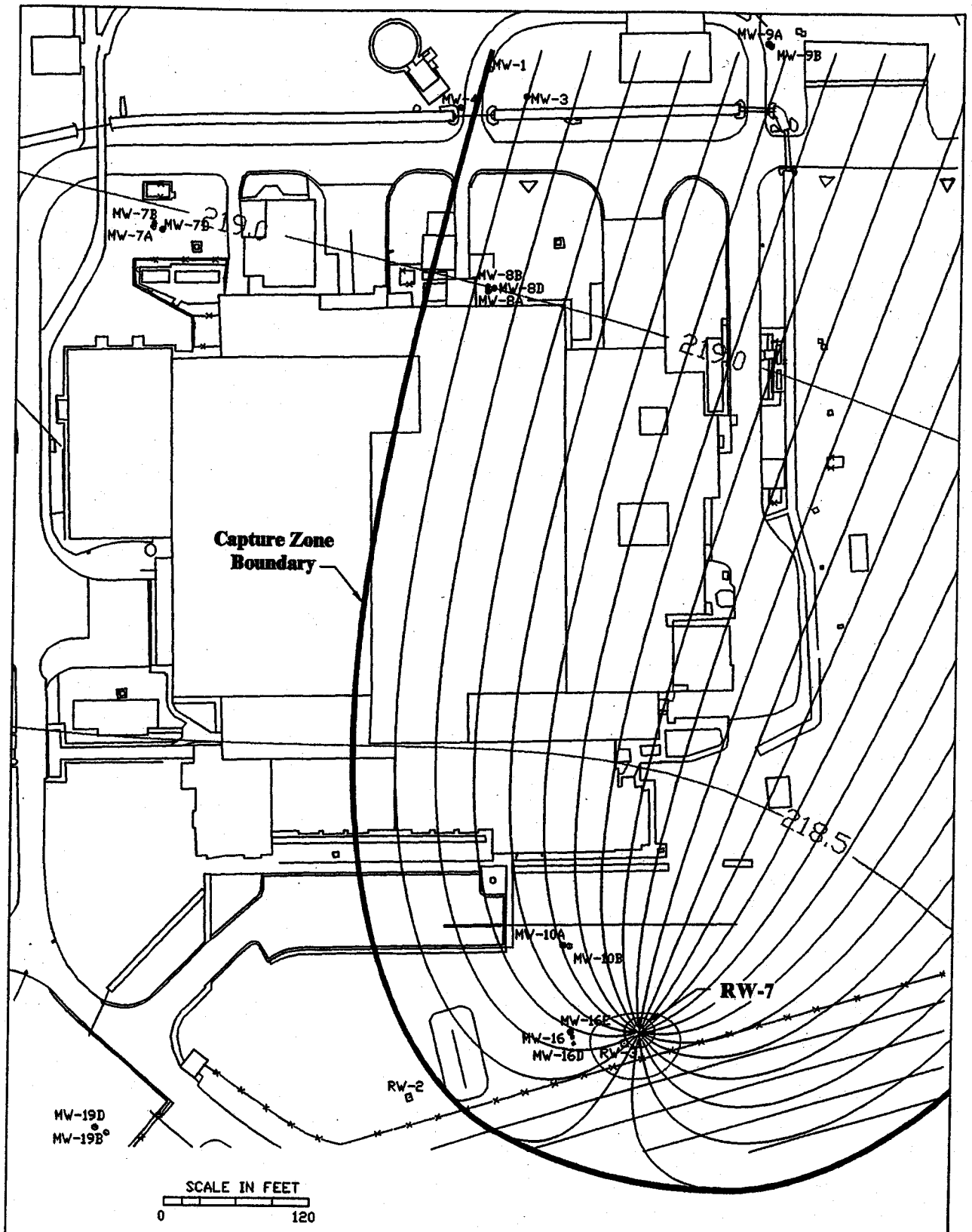

POST
CONC
MW-2B
MW-2
FIRE WATER TANK
BK
RW-4
2P-1
2P-2
MW-100B
MW-100A
MW-23D
MW-23B
TREATMENT BUILDING
EXISTING DRUM STORAGE BUILDING
BST
MW-9A
MW-9B
RIP RAP
2P-4
2P-3
2P-5
MW-25B
ASPHALT PLANT ROAD
MW-101B
MW-101A
HRC INJECTION AREA
2P-6
MW-26B
RW-5
MW-7B
MW-7A
MW-7D
HVAC
CONC
CB
MW-102C
MW-102A
MW-102B
MW-27D
TANK
MW-8B
MW-8D
MW-8A
GR
N
0
60'
SCALE
2P-7
RW-6
WALL
SUMP PUMP
H TR
MW-103B
MW-103C
MW-103A
LEGEND
HRC MONITORING WELLS
HRC INJECTION AREA
NOTE:
HRC = HYDROGEN RELEASE COMPOND
Matrix Environmental, Inc.
357 N. Milwaukee, Ave
Suite A, Libertyville, IL., 60048
PHASE I HRC® GROUNDWATER MONITORING NETWORK
ABBOTT LABORATORIES
Laurinburg, North Carolina
FIGURE 1-1

FIGURE J-8



Recovery Well 7 Capture Zone
Pumping Rate of 8 gpm

12/15/2000 Radian

FIGURE J-9

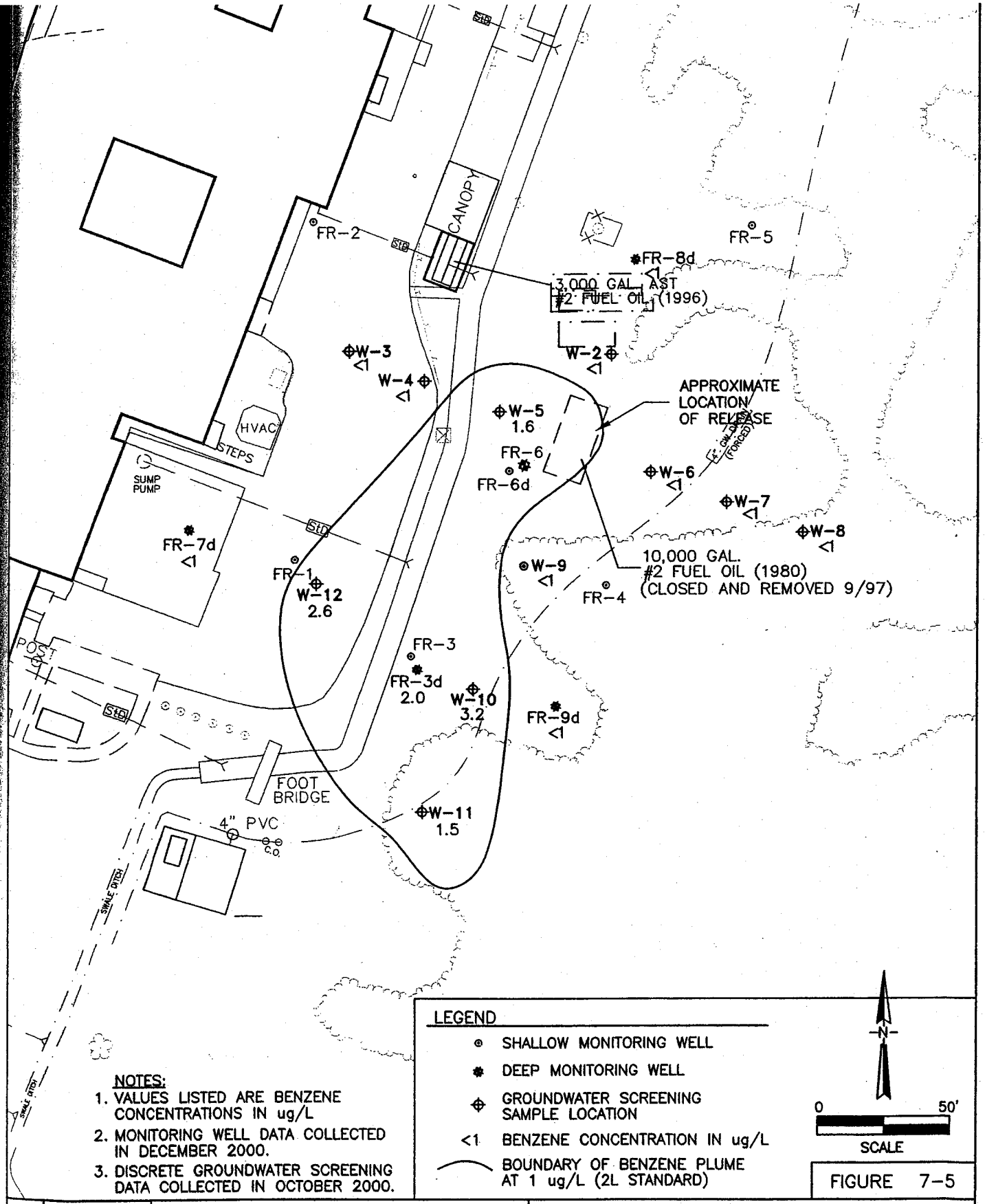


FIGURE 7-5

Matrix Environmental Southeast, Inc.
357 N. Milwaukee Ave., Suite A
Libertyville, Illinois 60048

2000 Benzene Groundwater Plume – 35 Feet BGS
Fuel Oil Release
Abbott Laboratories
Laurinburg, North Carolina

FIGURE J-10

Appendix K
Site Chemical Usage List

FACILITIES CHEMICAL INVENTORY

LUBRICANTS / OILS:

- Mobilgear Oil # 629
- Texaco 46 R & O Oil
- Gear Lube # 99 – SAE 90
- Shell Darina Grease 2
- York "C" Oil
- Red Gage Oil
- Regal Oil R & O 220

WATER TEATMENT CHEMICALS:

- Ethylene Glycol
- Sulfuric Acid – 93%
- Sodium Hydroxide Solution
- BoilerCare 100 ™
- BoilerCare 101 ™
- BoilerCare 1115 ™
- BoilerCare 1350 ™
- Multiguard 3107
- Multionic ® 8151
- WCS 102
- Water Care 7500
- Alconox

WATER TESTING CHEMICALS:

- Potassium Iodine Solution
- Methylene Purple Indicator
- Phenolphthalein Indicator 206

COMPRESSED GASES:

- "Halon" Fire Suppressant
- "Intergen" Fire Suppressant
- Oxygen
- Nitrogen
- Acetylene

MISCELLENEOUS:

- Kerosene
- Diesel Fuel # 2
- Freon 12
- Freon 22
- Freon 502
- Epoxy Coatings
- Propane HD-5 Grade
- "Stonhard" Floor Coatings

7/13/01

ABBOTT HPD LAURINBURG
CHEMICAL MIXTURES

Commodity Number	Chemical Name	%	Health Rating	Fire Rating	Reactivity Rating	Health Hazards	Target Organs	Fire Hazards	Reactivity Hazards
51-0021	1. Filmex A2 Regular (Alcohol), 90-1981 2. Distilled Water, Type I	70 30	1	3	0		H,I,J	S	
51-0887	1. Trichloroethylene, 90-1995 2. Methyl Ethyl Ketone, 90-1983	65 35	2	3	0	D,F	H,I,J,K,L,N,P	S	
51-0889	1. Hydrogen Peroxide, 35%, 90-1854 2. Distilled Water, Type I	11 89	2	0	1	C,D	H,I		U
52-0007	1. Methylene Chloride, 90-1985 2. Methyl Methacrylate, 90-0338 3. Cyclohexanone, 90-1980 4. Rucon Powder, B-221 or B-22 Polyvinyl Chloride, 90-0378	56 2.5 40 0.8	2	1	0	A,F,G	H,I,J,K,N,P		
52-0008	1. Cyclohexanone, 90-1980	100	2	2	0	D,G	H,I,K,N,P	R	
52-0009	1. Rucon Powder, B-221 or B-22 Polyvinyl Chloride, 90-0378 2. Cyclohexanone, 90-1980	3 97	2	2	0	D,G	H,I,K,N,P	R	
52-0010	1. Methylene Chloride, 90-1985 2. Methyl Methacrylate, 90-0338 3. Cyclohexanone, 90-1980 4. PVC Powder, Georgia Gulf No. 2110F, 90-0619 5. Angstrom Technologies Scanning Compound 5, 90-5820	73 2 25 <1 <1	2	1	0	A,F,G	H,I,J,K,N,P		

ABBOTT HPD LAURINBURG
CHEMICAL MIXTURES

Commodity Number	Chemical Name	%	Health Rating	Fire Rating	Reactivity Rating	Health Hazards	Target Organs	Fire Hazards	Reactivity Hazards
52-0011 (ingredients 1-6 mixed before arriving at Abbott. #7 is added once on-site.)	1. Methyl Ethyl Ketone, 90-1983 2. Toluene, nitration grade, 90-1994 3. Di-(2-ethylhexyl) Phthlate, Eastman, ND Grade, 90-0168 4. Vinyl Solution Resin Union Carbide UCAR VYNS-3, 90-0404 5. Polyvinyl Chloride VYHH Resin, Bakelite, 90-0403 6. Vinyl Solution Resin Union UCAR VMCH, 90-0402 7. Angstrom Technologies Scanning Compound 5, 90-5820 (added at Abbott)	40 35 2 8 9 6 <1	2	3	0	D	H,I,J,M,N	S	
52-0012	1. Rucon Powder, B-221 or B-22 Polyvinyl Chloride, 90-0378 or Georgia Gulf No. 2110F, 90-0619 2. Cyclohexanone, 90-1980 3. Angstrom Technologies, 90-5820	5 95 <1	2	2	0	D,G	H,I,K,N,P,R		
52-0013	1. Methylene Chloride, 90-1985 2. Cyclohexanone, 90-1980 3. Angstrom Technologies Scanning Compound 5, 90-5820	41 59 <1	2	1	0	A,F,G	H,I,J,K,N,P		
52-0016	1. Polyvinyl Chloride Resin -Rucon, 90-0378 or Georgia Gulf, 90-0619 2. Cyclohexanone, 90-1980 3. Methyl Ethyl Ketone, 90-1983	<1 78 22	2	3	0	D,G	H,I,J,K,M,N,P, S		
52-0019	1. Silicone Fluid, Medical Fluid 360, 350 Centistrokes viscosity, 90-1989 2. Heptane, 90-1991	<1 99	2	3	0	D	H,I	S	
52-0022	1. Silicone Fluid, Medical Fluid 360, 350 Centistrokes viscosity, 90-1989 2. Heptane (D-11), 90-1991	10 90	2	3	0	D	H,I	S	

5/28/98

ABBOTT HPD LAURINBURG
CHEMICAL MIXTURES

Commodity Number	Chemical Name	%	Health Rating	Fire Rating	Reactivity Rating	Health Hazards	Target Organs	Fire Hazards	Reactivity Hazards
52-0023	1. Silicone Fluid, Medical Fluid 360, 350 Centistrokes viscosity, 90-1989 2. Heptane, 90-1991	5 95	2	3	0	D	H,I	S	
52-0028	1. Silicone Fluid, Dow, 90-1972 2. Heptane, 90-1991	0.5 99.5	2	3	0	D	H,I	S	
52-0031	1. Silicone 30% in Xylene (Release No. 23, Dow Corning) 90-1990 2. Heptane, 90-1991	3 97	2	3	0	D	H,I	S	
52-0040 (part A) 52-0041 (part B) 52-0042	1. Silicone - 30% in Xylene (release coating #23, Dow Corning), 90-1990 (part A) 2. Heptane, 90-1991 (part A) 3. Iron Octoate Solution 6% (in Heptane), 90-1997 (part B) 4. Heptane, 90-1991 (part B)	2 48 <1 50	2	3	0	D	H,I,K	S	
52-0045 (part A) 52-0046 (part B) 52-0047	1. Silicone - 30% in Xylene (release coating #23, Dow Corning), 90-1990 (part A) 2. Heptane, 90-1991 (part A) 3. Nuxtra Iron 9% in Heptane (90-4390) (part B) 4. Heptane, 90-1991 (part B)	2 49 <1 49	2	3	0	D	H,I,K	S	
52-0048	1. Filmex A2, Regular (Alcohol), 90-1981 2. Distilled Water, Type I	50 50	1	3	0			S	
52-0070	1. Cyclohexanone, 90-1980	100	2	2	0	D,G	H,I,K,N,P	R	
52-0075	1. Polyvinyl Chloride Resin, 90-0619 2. Cyclohexanone, 90-1980 3. Angstrom Technologies Scanning Compound 5, 90-5820	5 95 <1	2	2	0	D,G	H,I,K,N,P	R	
52-0085	1. Isopropyl Alcohol, 90-0832 (90-4903) 2. Cyclohexanone, 90-1980	45 55	1	2	0	D,G	H,I,K,N,P	R	

ABBOTT HPD LAURINBURG
CHEMICAL MIXTURES

Commodity Number	Chemical Name	%	Health Rating	Fire Rating	Reactivity Rating	Health Hazards	Target Organs	Fire Hazards	Reactivity Hazards
52-0088	1. Silicone Fluid, Medical Fluid 360, 350 Centistrokes viscosity, 90-1989 2. Heptane (D-11), 90-1991	1 99	2	3	0	D	H,I	S	
52-0096	1. Trichloroethylene, 90-1995 2. Methyl Ethyl Ketone, 90-1983 3. Methyl Methacrylate, 90-0338 4. Angstrom Technologies Scanning Compound 5, 90-5820	59 34 7 <1	2	3	0	A,D,F	H,I,J,K,L,N,P	S	
52-0122	1. Methyl Ethyl Ketone, 90-1983 2. Methyl Methacrylate, 90-0338 (Plexiglass V-811) 3. Cyclohexanone, 90-1980 4. Rucon Powder, B-221 or B-22 Polyvinyl Chloride, 90-0378 5. Angstrom Technologies Scanning Compound 5, 90-5820	73 2 25 <1 <1	2	3	0	D,G	H,I,J,K,N,P	S	
52-0140	1. Silicone-5% in MDX-4-4159 (Dow Corning), 90-1464 2. Heptane, 90-1991	<1 99	2	3	0	D	H,I,S		
52-0154	1. Isopropyl Alcohol, 90-4903 2. Dstilled Water, Type 1	75 25	1	3	0	D	H,J	S	
52-0155	1. Filmex A2, 90-1981 2. Distilled Water, Type 1	85 15	1	3	0		H,I,J	S	
52-0166	1. Cyclohexanone, 90-1980 2. Isopropyl Alcohol, 90-4903 3. PVC Powder, 90-0619 4. UV Additive, 90-5820	66 33 <1 <1	2	3	0	D,G	H,I,J,K,L,N,P	S	
90-0168	Di (2-Ethyl Hexyl) Phthalate	100	1	0	0	A,F			
90-0338	Methyl Methacrylate, Pellets	100	0	0	0				
90-0378	PVC Resin	100	0	0	0				
90-0619	PVC Resin	100	0	0	0				
90-1464	Silicone, 50% in Mixed Aliphatic	100	1	3	0	D	H,I,J,K	S	
90-1854	Hydrogen Peroxide, 35%	100	2	0	1	C,D	H,I		U
90-1980	Cyclohexanone	100	2	2	0	D,G	H,I,K,N,P	R	

ABBOTT HPD LAURINBURG
CHEMICAL MIXTURES

Commodity Number	Chemical Name	%	Health Rating	Fire Rating	Reactivity Rating	Health Hazards	Target Organs	Fire Hazards	Reactivity Hazards
90-1981	Filmex, A-2	100	1	3	0		H,I,J	S	
90-1983	Methyl Ethyl Ketone	100	2	3	0	D	H,I,J,S		
90-1985	Methylene Chloride	100	2	0	0	A,D,F	H,I,J,K,LM,N,P		

ABBOTT HPD LAURINBURG
CHEMICAL MIXTURES

Commodity Number	Chemical Name	%	Health Rating	Fire Rating	Reactivity Rating	Health Hazards	Target Organs	Fire Hazards	Reactivity Hazards
90-1989	Silicone	100	0	0	0				
90-1990	Silicone	100	2	3	0			S	
90-1991	N-Heptane	100	2	3	0	D	H,I	S	
90-1994	Toluene	100	2	3	0	D	H,I,J,M	S	
90-1995	Trichloroethylene	100	2	0	0	D,F	H,I,J,K,L,N,P		
90-1997	Iron Octoate in Mineral Spirits	100	1	2	0	D,G	H,I	R	
90-4390	Nutra Iron 9%	100	1	2	0	D,G	H,I	R	
90-4903	Isopropyl Alcohol	100	1	3	0	D	H,J,O	S	
90-5820	Scanning Compound 5	100	0	0	0				

	Hazard Rating		Health Hazards		Target Organs		Fire Hazards		Reactivity Hazards
0	Minimum Hazard	A	Toxic	H	Eyes	R	Combustible Liquid	U	Oxidizer
1	Slight Hazard	B	Sensitizer	I	Skin	S	Flammable Liquid/Gas	V	Water
2	Moderate Hazard	C	Corrosive	J	Nervous System	T	Flammable Solid	W	Peroxide Former
3	Serious Hazard	D	Irritant	K	Lungs			X	Explosive
4	Extreme	E	Potent Drug	L	Heart			Y	Heat Sensitive
		F	Listed Carcinogen	M	Blood			Z	Compressed Gas
		G	Skin Absorption	N	Liver				
				O	Reproductive System				
				P	Kidneys				
				Q	Other (see MSDS)				

Depart	Commodity	Product/Trade Name	Chemical_Name	%	MSDS Y/N	Quantity	MSDS Date
7130	0052	Dike Concrete Patch	Concrete Patch		N	?	
7130	0054	Sentry Drain Cleaner	Sentry Drain Cleaner		N	12 qts.	
7130	0060	#1 Oil	#1 Oil		Y	24qts.	
7130	0061	#2 Diesel Fuel	#2 Diesel Fuel		N	?	
7130	0062	690 Penetrant & Lubricant	690 Penetrant & Lubricant		N	?	
7130	0063	732 RTV Sealant/White & Cl	732 RTV Sealant		Y	?	
7130	0064	732 RTV Silicone-Clear Seal	Silcone-Clear Sealent		N	?	
7130	0065	732 RTV Silicone-White Seal	Silcone-White Sealent		N	?	
7130	0068	AC-2 Inhibited Acid Powder	AC-2 Inhibited Acid Powder Cl		N	?	
7130	0069	ACE CCL-1, CCL-5, CCL-55	Detergent		Y		5/1/1972
7130	0070	Acetylene	Acetylene	100	Y	?	11/1/1984
7130	0073		N,N-Dialkyltoluide	<1			
7130	0073		Sulfimide	0.5			
7130	0073	Adhesive Sealant #222	Adhesive Sealant #222		Y	?	9/22/1982
7130	0073		Polyglycol Dimethacrylates	50/55			
7130	0073		Hydroperoxide	<2			
7130	0073		Polyglycol Oleates	35/40			
7130	0073		Silicon Dioxide	<2			
7130	0074		Silicon eioxide	<2			
7130	0074		Hydroperoxide	<2			
7130	0074		Sulfimide	0.6			
7130	0074		Polyglycol Oleates	25/30			
7130	0074		Polyglycol Dimethacrylates	60/65			
7130	0074	Adhesive Sealant #242	Adhesive Sealant # 242		Y	?	9/22/1982
7130	0074		N,N-Dialkytoluide	<1			
7130	0075		Sulfimide	0.6			
7130	0075		Bis-phenol A fumarate resin	20/25			
7130	0075		N,N-Dialkyltoluidines	<1			
7130	0075		Polyglycol Dimethacrylates	65/70			
7130	0075		Hydroperoxide	0.666			
7130	0075	Adhesive Sealant #271	Adhesive Sealant #271		Y	?	9/22/1982
7130	0076	Alum Tap	Alum Tap		N	?	
7130	0077	Anionic Detergent	Alconox Detergent	100	Y	?	1/2/1985

Depart	Commodity	Product/Trade Name	Chemical_Name	%	MSDS Y/N	Quantity	MSDS Date
7130	0078	Argon	Argon		Y	?	
7130	0082	#3 Black Ink	Diethylene glycol	100	Y		5/7/1986
7130	0098	Cenlube-SL	Synthetic Lubricant(trade secr		Y		4/26/1994
7130	0100	Chemi-Cote Epoxy Curing A	Acetic Acid	5	Y		9/29/1992
7130	0100		2-Propoxyethanol	10			
7130	0100		Polyethylene Polyamine	25			
7130	0100		Heavy Paraffin Distillates	5			
7130	0101		Alkylglycidyl Ethers	15			
7130	0101	Chemi-Top Epoxy Resin	Diglycidyl Ether	95	Y		3/13/1991
7130	0104	Cylinder # 650T Oil	Cylinder # 650T Oil		N	?	
7130	0105	Darina 2 Grease	Darina 2 Grease		Y	?	
7130	0106	Dark Cutting Oil	Dark Cutting Oil		N	?	
7130	0108	Delvac 1100 SAE 20W20 Oil	Delvac 1100 SAE 20W20 Oil		N	?	
7130	0109	Delvac 1120 (Engine Oil)	Petroleum Hydrocarbons		Y		6/3/1994
7130	0110	DTE 24 Oil	Petroleum Hydrocarbons		Y	?	8/25/1983
7130	0111	DTE 25	Petroleum Hydrocarbons		Y		8/24/1991
7130	0112		Other Ingred.	<5			
7130	0112	DTE 26 Oil	Refined Mineral Oils	>95	Y	?	3/16/1983
7130	0113		Boric Acid				
7130	0113	Dual Purpose Starch	Starch		Y		5/1/1972
7130	0114		Butyl Acetate	33			
7130	0114		Wet Nitrocellulose	5			
7130	0114	Dykem Spray Steel	Dyes(Methyl Violet)	1	Y		12/16/1985
7130	0114		Denatured Alcohol	57			
7130	0114		Butyl Alcohol	4			
7130	0114		Propane				
7130	0114		Butane				
7130	0114		Isobutane				
7130	0114		Hydrocarbon Propellant:	40			
7130	0115		Zinc Dithiophosphate	0.48			
7130	0115		Zinc containing Alkyl Amides	0.32			
7130	0115		Dewaxed Havey Paraffinic				
7130	0115		Distillates Havey Paraffinic				

Depart	Commodity	Product/Trade Name	Chemical_Name	%	MSDS Y/N	Quantity	MSDS Date
7130	0115		Lubricating Oil (Petroleum)				
7130	0115		Residual Oils (Petroleum)	>95			
7130	0115	DTE Oil BB (Hydraulic Oil)	Petroleum Hydrocarbons		Y		9/17/1993
7130	0116		Phosphoric Acid	0.05			
7130	0116	DTE Oil Heavy	Petroleum Hycarbons		Y	?	12/30/1992
7130	0116		Hydrotreated Heavy Paraffinic	>95			
7130	0117		Other Ingreds.	<5			
7130	0117	DTE Oil Extra Heavy	Refined Mineral Oils	>95	Y		6/19/1985
7130	0118	E-41 Transparent Sealant	Transparent Sealant		N	?	
7130	0120		Benezene, Ethenyl	<2			
7130	0120		Zinc	0.8			
7130	0120		Phenol,4,4-Methylenebis	<2			
7130	0120		1-Decene, 1-Odene	<16			
7130	0120	Engine Oil(Mobil Delvac 1)	1-Decene,Homopolymer	>50	Y		3/6/1991
7130	0120		Synthetic Esters	<16			
7130	0122	Ethylene Glycol Monethyl Su	Ethylene Glycol Monethyl Sup		Y	?	
7130	0123	Ethylene Gycol	Anti-Freeze		Y	?	
7130	0124	Firefax 1	Fairfax 1		N	?	
7130	0125	Fluid, Hydraulic THC	Hydraulic Fluid		N		
7130	0127	Freon 12	Dichlorodifluoromethane	100	Y	?	10/1/1985
7130	0128	Freon 22	Chlorodifluoromethane	100	Y	?	10/1/1985
7130	0129	Freon 502	Chloropentafluoroethane		Y	?	10/1/1985
7130	0129		Chlotodifluoromethane				
7130	0131		Hydroperoxide	<2			
7130	0131		Proprietary Thixotrope	5			
7130	0131		Cellulose Acetate Butyrate	10			
7130	0131	Gasket Eliminator #504	Polyglycol Dimethacrylates	80	N	?	12/26/1983
7130	0131		Sulfimide	5			
7130	0131		Methanol	1.5			
7130	0131		N,N-Dialkyltoluidines	<1			
7130	0131		Silicon Dioxide	<3			
7130	0132	Gear Lube #99	NEED CHEMICALS			20 gallon	4/22/1986
7130	0133	Glycerol	Glycerin	100	Y	?	1/3/1986

Depart	Commodity	Product/Trade Name	Chemical_Name	%	MSDS Y/N	Quantity	MSDS Date
7130	0134	Grease, Darina 2	Hydrotreated Petroleum	89	Y		
7130	0134		Inorganic Clay	5			
7130	0134		Fatty Acid Amides	4			
7130	0134		Other Components	2			
7130	0135	Grease, Multi-Purpose #930-	Grease, Multi-Purpose		N		
7130	0136	High Vacuum Grease	High Vacuum Grease		N	?	
7130	0137	Hydraulic R/O Oil	Hydraulic R/O Oil		N	?	
7130	0138		Sulfimide	<1			
7130	0138		Polybutyl Methacrylate	10			
7130	0138		N,N-Dialkyltouidines	<1			
7130	0138		Hydroperoxide	3			
7130	0138	Hydraulic Sealant Compound	Polyhlgcol Dimethacrylates	60	Y	?	10/8/1982
7130	0138		Polyglycol Dioctoates	30			
7130	0139	Hydraulic THC Fluid	Hydraulic THC Fluid		N	?	
7130	0140	Hydrochloric Acid	Hydrochloric Acid	100	N	?	9/11/1986
7130	0141	Hyspotter Carpet Spot Treat	Hyspotter Carpet Spot Cleaner		Y	12 qts.	
7130	0142	Joint Sealing compound	Leak Lock		N	?	
7130	0143	Kerosene	Petroleum Hydrocarbons	100	Y	?	3/12/1983
7130	0144	Layout Fluid Blue SP100(Aer	Layout Fluid Blue		Y	?	
7130	0145	Layout Fluid Red DX296	Layout Fluis Red DX296		N	?	
7130	0146	Liquid Leak Dector	Snoop		Y	?	
7130	0147		Trade Secret	91			
7130	0148	LPS-1 Lubricating Spray	LPS-1 Lubricating Spray		N	?	
7130	0149		Non Haz. Proprietary Blend	12			
7130	0149		Carbon Dioxide(Aerosol)	3			
7130	0149	LPS-2 Lubricating Spray	Aliphatic Hydrocarbon	70	Y	?	9/20/1985
7130	0149		Petroleum Oil	10			
7130	0151	Markem Ink	Ethylene Glycol Monobutyl eth	70	Y		12/1/1985
7130	0152	MCC-Master Clean	Potassium Hydroxide	100	Y		2/1/1989
7130	0153	MEP Indicator			Y		5/1/1972
7130	0154	Methyl Purple Indicator	Methyl Purple Indicator		N	?	
7130	0155	Metallic Mercury	Mercury		Y		4/19/1991
7130	0156	Mobilgear 634	Petroleum Hydrocarbons				12/19/1991

Depart	Commodity	Product/Trade Name	Chemical_Name	%	MSDS Y/N	Quantity	MSDS Date
7130	0156		Hydrotreated Havey Paraffinic				
7130	0156		Residual Oils				
7130	0156		Organic Phosphate	<3.00			
7130	0156		Lubricating Oils(Petroluem)	>95			
7130	0156		Dewaxed Havey Paraffinic				
7130	0157	Molybdenum 1 Reagent Pow	Molybdenum 1 Reagent Powd		N	?	
7130	0158	Molybdenum 2 Reagent Pow	Molybdenum 2 Reagent Powd		N	?	
7130	0159	Molybdenum 3 Reagent Pow	Molybdenum 3 Reagent Powd		N	?	
7130	0160	Mulit-Purpose 930-2 Grease	Multi-Purpose 930-2 Grease		N	?	
7130	0161	Napthenic Distillate	Refined Napthenic Oil	100	Y		4/30/1971
7130	0162	Nitric Acid Tech Grade 40%	Nitric Acid	100	Y	?	5/1/1972
7130	0165	Oil, Cylinder #650T	Oil, Cylinder #650T		N	30 gallon	
7130	0166	Oil, Delvac 110,SAE 20W20	Oil, Delvac 110,SAE 20W20		N		
7130	0167	Oil, Duo-Seal Vacuum #1407	Oil,Duo-Seal Vacuum #1407-K		Y	2qts.	
7130	0168	Oil, Hydraulic R/O	Hydraulic Oil		N		
7130	0169	Oil, Plus 4	Oil, Plus 4		N		
7130	0170	Oil, Regal R & O 220	Oil, Regal R & O 220		N	5 gallons	
7130	0171	Oil, Regal R & O 68	Oil, Regal R & O 68		Y	5 gallons	
7130	0172	Oil, SAE 40 W	Oil, SAE 40 W		N		
7130	0173	Oil,Hydraulic Tractor	Hydraulic Tractor Oil		Y	1 gallon	
7130	0174	Orthotolidine Solution			N	?	
7130	0175	Oxygen	Oxygen		Y	?	
7130	0177	P.D. Activator #28-0404	P.D. Activator		N	?	
7130	0178	Phenolphthalein Solution	Phenolphthalein Solution		N	?	
7130	0179	Phosver 3	Potassium Pyrosulfate	<80	Y	?	1/8/1986
7130	0179		Sodium Molybdate	<5			
7130	0179		L-Ascorbic Acid	<25			
7130	0179		Other Components	<1			
7130	0180		Resin	10			
7130	0180	Phiobond 20 Adhesive	Synthetic Rubber	30	N	?	9/11/1984
7130	0180		Mineral Filler	5			
7130	0181	Plus 4 Oil	Plus 4 Oil		N	?	
7130	0182	Potassium Chloride Solution	Potassium Chloride Solution		N	?	

Depart	Commodity	Product/Trade Name	Chemical_Name	%	MSDS Y/N	Quantity	MSDS Date
7130	0183	Potassium Chloride Solution	Potassium Chloride Solution		N	?	
7130	0184	Potassium Chloride Solution	Potassium Chloride Solution		N	?	
7130	0185	Potassium Chloride Solution	Porassium Chloride Solution		N	?	
7130	0186	Potassium Chloride(Aqueous	Potassium Chloride	100	Y		5/1/1972
7130	0187	Potassium Iodine Solution	Potassium Iodine	100	N	?	9/29/1980
7130	0189	Probe (A)	Petroleum Distillate	30/60	Y		4/7/1986
7130	0189		Mixed Chlorinated Solvents	30/60			
7130	0190	Propane HD-5 Grade	Propane	>90	Y		12/31/1991
7130	0190		Butanes	<2.5			
7130	0190		Propylene	<5			
7130	0190		Ethyl Mercaptan	0.05			
7130	0191	Real Cool Snoop	Ethylene Glycol	100			7/25/1985
7130	0192		Petroleum Base Oli	51.1			
7130	0192	Red Gauge Oil	Petroleum Hydraulic Oil	48.9	Y	?	1/6/1983
7130	0193	Refridgeration Oil	Refridgeration Oil		Y	?	
7130	0194	Regal R & O 220 Oil	Regal R & O Oil		N	?	
7130	0195	Regal R & O 68 Oil	Dewaxed Heavy Paraffin	99	Y	?	11/18/1985
7130	0196		Hydroxyalkyl Methacrylate	35			
7130	0196		N,N-Dialkyltoluidines	<1			
7130	0196		Hydrazide	<1			
7130	0196		Maleic Acid	<1			
7130	0196		Bis-Phenol A Fumarate Resin	20			
7130	0196	Retaining Coumpound #680	Dimethacrylate Ester	45	N	?	11/9/1983
7130	0196		Sulfimide	<1			
7130	0196		Hydroperoxide	3			
7130	0197		N,N-Dialkyltoluidines	<1			
7130	0197		Polyglycol Dimethacrylate	2			
7130	0197		Hydroperoxide	3			
7130	0197		Maleimide	15			
7130	0197		Sulfimide	<1			
7130	0197	Retaining Coumpound RC/62	Dimethacrylate Ester	80	N	?	11/9/1983
7130	0197		Hydrazide	<1			
7130	0197		Methanol	2			

Depart	Commodity	Product/Trade Name	Chemical_Name	%	MSDS Y/N	Quantity	MSDS Date
7130	0197		Silicon Dioxide	<1			
7130	0197		Maleic Acid	<1			
7130	0198	RTV Sealant-Clear & White	Acetoxysilane	5			9/18/1985
7130	0200	SAE 5W30 Oil	Synthetic Oils	>75	Y		10/24/1984
7130	0200		Other Ingred.	<25			
7130	0201	SAE 10 W Oil	SAE 10 W Oil		N	?	
7130	0202	SAE 20W Non-Detergent Oil	SAE 20W Non-Detergent Oil		Y	?	
7130	0203	SAE 40W Oil	SAE 40W Oil		N	?	
7130	0203	SAE 30W Non-Detergent Oil	SAE 30W Non-Detergent Oil		N	?	
7130	0209		Isobutane(Aerosol)	30			
7130	0209		Acetone(Aerosol)	26			
7130	0209		2-Propanol(Aerosol)	36			
7130	0209	SKD-S2	Acetone(bulk)	21	Y		2/15/1992
7130	0209		2-Propanol(bulk)	64			
7130	0210	SKC-5	Solvent Naphtha	100	Y		1/1/1991
7130	0210		Carbon Dioxide (Aerosol)	5			
7130	0211		Isobutane (Aerosol)	30			
7130	0211	SKL-SP Spotcheck Penetrant	White Mineral Oil	70	Y		11/1/1991
7130	0211		Dibutyl Phthalate	<15			
7130	0213	Sodium	Rock Salt Deicer 98%		N	?	
7130	0214	Sodium Thiosulfate N/5 #615	Sodium Thiosulfate N/5 #6155	100	Y	?	5/1/1972
7130	0215	Sodium, Food Grade	Salt		N	?	
7130	0216	Solder Flux	Stay Clean		Y	?	
7130	0217	Solder Paste	Tin		Y	?	8/3/1982
7130	0217		Silver				
7130	0217		Cadmium				
7130	0217		Bismuth				
7130	0217		Antimony				
7130	0217		Lead				
7130	0218		Sodium Carbonate	0.5			
7130	0218	Sodium Hydroxide	Sodium Hydroxide	97	Y	?	7/31/1987
7130	0219	Spray Disinfectant	Isopropanol	34.5	Y		8/1/1975
7130	0222	Starch,Dual Purpose Dry Indi	Dual Purpose Dry Indicator		Y	?	

Depart	Commodity	Product/Trade Name	Chemical_Name	%	MSDS Y/N	Quantity	MSDS Date
7130	0223	Starkleen 50	Phosphoric Acid		Y		1/22/1990
7130	0224		Iron Oxide	0/5			
7130	0224		Chromium Oxide	0/5			
7130	0224		2-Ethoxyethanol	5			
7130	0224		Diatomachaceous Silica	5			
7130	0224		Magnesium Silicate	0/5			
7130	0224	Stoncrest	Xylene	25	Y		4/24/1992
7130	0224		Carbon Black	0/5			
7130	0224		Titanium Dioxide	0/20			
7130	0225		Water	98			
7130	0225	Stride Cleaner	Alkoxylated Fatty Alcohol	2	Y	?	4/16/1991
7130	0226		Methyl Methacrylate	<5			
7130	0226		Hydroquinone	<.5			
7130	0226	Superbound Adhesive #495	Ethyl Cycanoacrylate	95	N	?	5/22/1986
7130	0228	Switch & Contact Cleaner	Trichlorotrifluoroethane	51/70	Y	?	3/10/1986
7130	0228		Dichlorodifluoromethane	31/50			
7130	0229	Tap Tool Tapping Fluid			N	?	
7130	0230	Tapfree	1,1,1-Trichloroethane	90	Y	?	3/4/1986
7130	0231		O-Tolidine Dihydrochloride	0.13			
7130	0231	Toliodine Solution 0.1%	Hydrochloric Acid	7.4	Y		11/14/1985
7130	0231		Water	91.3			
7130	0232		Trade Secret	99			
7130	0232	Thorium Nitrate Reagent #61	Thorium Nitrate	0.04	Y	?	5/1/1972
7130	0233	Transmission Fluid(Mobil 350	Petroleum Hydrocarbons		Y	?	8/31/1994
7130	90-1302	Vactra #4 Oil	Lubricating oil		Y		10/17/1991
7130	90-1309	Mobilube 46 SAE 90	Petroleum Hydrocarbon	100	Y		6/7/1994
7130	90-1555	Muriatic Acid	Hydrochloric Acid	35	Y		5/1/1972
7130	90-1854	Hydrogen Peroxide (35%)	Hydrogen Peroxide (35%)	100	Y		
7130	90-2991	Hydraulic Oil	Petroleum Hydrocarbons		Y		10/9/1991
7130	90-5638	Sulfuric Acid	Sulfuric Acid	93	Y		5/1/1972

Departmen	Commodit	Product/Trade Name	Chemical_Name	%	MSDS Y/	Quantity	MSDS Date
9000	0055	"Shine-Up" Furniture Polish	"Shine-Up" Furniture Polis		Y	24 cans	5/5/1990
9000	0056	Carefree Wax	Showplace		Y	15 gallons	11/15/1993
9000	0057	"Snap Back" Spray Buff	Snap Back		Y	6 gallons	
9000	0058	"Windex" Glass Cleaner	Windex		Y	24 cans	
9000	0071	Acid Free Bathroom Cleaner	Water		Y		1/1/1990
9000	0071		Dye				
9000	0080	Baking Soda	Sodium Bicarbonate		N	10 boxes	
9000	0081	Blue All-Purpose Cleaner	Blue All-Purpose Cleaner		Y	6 gallons	
9000	0090	Boraxo Powered Hand Soap	Boraxo Powered Hand So		Y		5/1/1973
9000	0092	Bowl Deodorizer Block	Bowl Deodorizer Block		N	10 dozen	
9000	0095		Detergents				
9000	0095		Polycarboxylated resin				
9000	0095		2-Butoxyehtanol				
9000	0095		Isobutane				
9000	0095		Propane Propellent				
9000	0095	Carpet and Upholstery Cleaner	Carpet and Upholstery Cl	83/90	Y	6 cans	11/1/1985
9000	0096	Carter Cream Cleaner	Carter Cream Cleaner	100	Y	24 qts.	11/1/1985
9000	0097	Spitfire RFU	Spitfire RFU		Y		3/6/1996
9000	0099	Clorox Bleach	Clorox Bleach		Y	4 gallons	11/1/1992
9000	0102	Cinnamon 60 Plus	Cinnamon 60 Plus	100	Y		7/29/1991
9000	0103	Conq-R-Dust Pressurized	Mineral Seal Oil		Y	12 cans	6/29/1990
9000	0103		Isobutane				
9000	0103		Water				
9000	0103		Propane				
9000	0103		Isoparaffinic Hydrocarbon				
9000	0107	Delux Bowl Cleaner	Hydrochloric Acid	23	Y	10 qts.	11/1/1985
9000	0107		Trade Secret	77			
9000	0119	EndBac II Disinfectant Spray	Ethyl Alcohol	60	Y	24 cans	8/9/1991
9000	0119		Propane/Isobutane	25			
9000	0119		Water	35			
9000	0121	Enzym-D Bacteria Enzym Cult	Enzym D		N		
9000	0126		Monoethanolamine	10			
9000	0126	Freedom Stripper	Compound Cleaning Liqui		Y	15 gallons	2/25/1991

Departmen	Commodit	Product/Trade Name	Chemical_Name	%	MSDS Y/	Quantity	MSDS Date
9000	0126		Water	70			
9000	0126		Plyoxyethylene Phenyl Et	3			
9000	0126		Sodium Silicate	4			
9000	0126		Glycol Ether	6			
9000	0126		Sodium Xylene Sulfonate	8			
9000	0126		(Sara) Glycol Ether	15			
9000	0130	Fresh Para Blocks and Crystals	Paradichlorobenzene	99.75	Y		6/30/1986
9000	0147	Low Acid Bowl Cleaner	Hydrochloric Acid	9			11/1/1985
~~9000~~	~~0176~~	~~Ozitape Air Freshener~~	~~Ozitape Air Freshener~~		~~N~~		DELETE
9000	0188	Powered Hand Cleaner	Powered Hand Cleaner		Y	50 pounds	
9000	0199	Rugbee Carpet and Room Deo	Rugbee Carpet and Room		Y	12 boxes	
9000	0205	Santi-Fresh Waterless Hand Cl	Santi-Fresh Waterless Ha		N	12 cans	
9000	0206	Shine Up	Isoparaffinic Hydrocarbon	20	Y		3/5/1991
9000	0206		Water	80			
9000	0206		Propane	5			
9000	0206		Silicone Fluid	5			
9000	0207	Show Place	Styrene/Acrylic Polymers	20	Y		2/12/1988
9000	0207		Diethylene Glycol Monoet	4			
9000	0207		Water	80			
9000	0207		Tributoxyethyl Phosphate	4			
9000	0212		Triethanolamine	1			
9000	0212		Water	85			
9000	0212		Acrylic Polymers	4			
9000	0212		Glycol Ether	1			
9000	0212	Snapback Liquid	Isoparaffinic Hydrocarbon	15	Y		5/5/1990
9000	0212		Nonyl Phenol Adduct	4			
9000	0213	Baking Soda	Baking Soda		N	2 pounds	
9000	0221	Stainless Steel Cleaner and Po	Water	60	Y	12 cans	4/2/1991
9000	0221		White Mineral Oil	20			
9000	0221		Ethanolamine	1			
9000	0221		Isobutane	10			
9000	0221		Sorbitan Oleate	1			
9000	0238	White Vinegar	White Vinegar		N	12 qts.	

Departmen	Commodit	Product/Trade Name	Chemical_Name	%	MSDS Y/	Quantity	MSDS Date
9000	0312	Shine-Up Furniture Polish	Shine-Up Furniture Polish		Y	2 cans	3/5/1991
9000	0314	Hydrogen Peroxide (35%)	Hydrogen Peroxide (35%)		Y	1 bottle	9/13/1997
9000	0525	Neutralize AFR	Neutralize AFR		Y		9/1/1997
9000	75-2630	Pharmadine	Pharmadine		Y		
9000	90-1484	Galahad Neutral Detergent	O-Phenylphenol	5.1	Y	24 gallons	6/16/1998
9000	90-1484		Para-tertiary-amylphenol	5			
9000	90-1484		Isopropyl Alcohol	21.9			
9000	90-1488	Antibac B	Sodium dichloro-s-triazine	100	Y		12/14/1982
9000	90-4548	Buckeye XL 100 Degreaser	Ethylene Glycol	6	Y	110 gallon	10/15/1985
9000	90-4548		Potassium Hydroxide	1.9			

Appendix L
ERM Professional Qualifications

Richard J. Tarravechia, P.G.

Mr. Tarravechia has over thirteen years experience in conducting and managing environmental projects for industrial clients. Areas of expertise include the planning, implementation and management of Regulatory Compliance Audits (environmental and health and safety), Phase I and II Environmental Assessments, Site Assessment and Remediation Programs, and asbestos inspections and awareness training. Mr. Tarravechia is experienced in conducting large multi-site, multi-national mergers and acquisitions projects.

Mr. Tarravechia has managed and directed over 300 environmental compliance audits and due diligence assessments. He has performed environmental compliance and risk audits/assessments of numerous manufacturing facilities, chemical plants, and hazardous waste treatment, storage and disposal (TSD) facilities. Also, Mr. Tarravechia has conducted several health and safety audits at industrial plants, focusing on safety topics such as confined space, lockout-tagout, emergency response, HazCom, walking surfaces, and machine guarding. He is experienced in providing asbestos awareness training to general audiences as well as maintenance and custodial crews.

Mr. Tarravechia has conducted and managed numerous soil and groundwater hydrogeological investigations including underground storage tank (UST) assessment and remediation, oversight of subcontractors, development of RCRA RFI Work Plans, Comprehensive Site Assessments, and Corrective Action Plans.

Registration

- Professional Geologist in North and South Carolina
- Licensed Asbestos Inspector in North and South Carolina
- ISO 14001 Provisional Auditor

Fields of Competence

- Regulatory Compliance Audits
- Mergers and Acquisitions (Phase I &IIs)
- Regulatory Site Assessment/Remediation
- Environmental Training
- Environmental Management Systems
- Aquifer Testing
- Asbestos Inspections and Management
- 40 CFR 112.7 oil Spill Prevention Control and Countermeasure plans, 40 CFR 265.50-56 RCRA Contingency Plans, and 29 CFR 1910.38 Emergency Action Plans

Education

- B.S., Geology, George Mason University, 1984
- M.S., Geology (Hydrogeology), East Carolina University, 1989
- RCRA Hazardous Waste Course, 1995
- RCRA/DOT training Course, 2001
- ISO 14001 Lead Auditor Training, 2001
- HAZWOPER 40-Hour Training

Publications and Presentations

- Author of a study which documents radon activities in groundwater from a fractured granite aquifer and evaluates remedial options.
- "Conducting EHS Audits – Trends and Experiences" presented to ATMI Conference, March 2002.

Key Projects

Project manager/lead investigator for Regulatory Compliance Audits and Phase I ESA at several paper tube and core manufacturing facilities in Ohio, Maryland, Georgia and North and South Carolina. Follow-up activities at the NC site included a Phase II soil and groundwater investigation. Also conducted regulatory compliance audits at a newspaper printing facility and a specialty printing operation in western North Carolina.

Project manager, lead auditor, and primary report author of a regulatory compliance and due diligence audit at a major chemical (polyester) manufacturing facility. The audit included a detailed analyses of the facility's RCRA Part B Permit and status of post-closure requirements, as well as traditional EHS areas including LQG hazardous waste generator requirements, OPA, CWA, etc.

Lead compliance auditor during full EHS regulatory compliance audit at a facility which manufactures metal and ceramic tool inserts. The verbal debriefing and report of findings emphasized solutions to compliance and management systems problems.

Conducted six Phase I ESAs with compliance audits at furniture manufacturing facilities in NC, Arkansas, California, and Mexico. Audits included evaluation of hazardous waste handling practices, storm water and wastewater discharges and air emissions.

Performed a compliance audit at a chemical (formaldehyde and resin) manufacturing plant in NC. Audit included a detailed evaluation of environmental and health & safety issues.

Project manager/lead investigator for a remedial investigation at a textile chemical distribution facility with a VOC plume in fractured bedrock aquifer. Performed aquifer tests and groundwater monitoring to demonstrate limited plume extent, interception and attenuation of plume by adjacent stream.

Performed regulatory compliance audits at an automotive dealership in NC, several box plants, several mirror and ceramic coatings facilities, several textile mills, three graphic arts facilities (including an analysis of environmental management systems), four plastic extrusion companies, and a medical device manufacturing facility.

Project manager/lead investigator during wetlands delineation project in Coastal Plain of NC. Obtained appropriate certification and permits to enable client to begin construction activities in a timely manner.

Conducted a 5-day full EHS compliance audit at a major chemical manufacturing facility (polymer and resin production) in western North Carolina.

Development and implementation of soil test boring and monitor well installation program at Superfund site in San Fernando Valley Basin, California. Developed RCRA RFI Work Plan and implemented RFI for a chemical manufacturer and TSD facility in SC.

Installation of over 200 test borings and monitor wells for aerospace facility in Los Angeles, CA. Supervised multiple soil gas surveys and removal of over 13,000 cubic yards of soil. Bioremediation and SVE technologies applied to vadose zone soils.

Technical reviewer for hydrogeologic aspects of site characterization at NC Low Level Radioactive Waste Disposal Facility Site.

Conducted Baseline Environmental Site Assessments involving the installation of permanent monitor wells, direct push soil and ground water sampling, and sediment sampling at three major chemical plants in North and South Carolina as part of a multi-site due diligence project.

Prepared environmental compliance manuals for eleven furniture (metal and wood) manufacturing facilities during 2001 and 2002.

Jerome T. Prosser, P.G.

Registration
Licensed Professional Geologist in North Carolina, South Carolina, New Hampshire, and Tennessee.

Fields of Competence
Management, design, and technical application of soil and ground water investigations at petroleum facilities, industrial facilities, and hazardous waste sites. Testing, design, and implementation of soil and ground water remediation systems. Thorough knowledge of petroleum underground storage tank and ground water regulations. Design and management of monitor well and recovery well installation. Subsurface geologic mapping and its application to evaluating and characterizing potential contaminant migration pathways and site environmental settings. Property transaction Phase I site assessments.

Experience Summary
Over nineteen years of experience as a geologist in the mineral exploration and environmental fields, including 11 years with ERM. Experienced in project management and technical application of geologic and geophysical methods to subsurface investigations. Extensive experience in design and implementation of soil and ground water investigations utilizing geologic mapping, geochemical sampling, trenching, drilling and geophysics, with emphasis on the characterization and interpretation of bedrock lithological and structural features. Conducted environmental investigations and implemented soil and ground water remediation at numerous underground storage tank and industrial sites in compliance with applicable State assessment, remediation, and reporting requirements.

Credentials
B.S., Geology, University of Delaware, 1981
M.S., Geology, Dartmouth College, 1983

Professional Affiliations
Geological Society of America
Ground Water Professionals of North Carolina
North Carolina Geological Society

Key Projects
Completed a soil and ground water assessment at a North Carolina industrial facility. Identified a previously unknown fault that controls the migration of chlorinated solvent compounds in ground water. As a result of the site assessment, the scope of the environmental site assessment, and the potential legal liability associated with the chlorinated solvent affected ground water at the facility, were minimized. The environmental site assessment results also enabled the client to demonstrate that affected ground water from the site did not comingle with, and contribute to, a regional scale ground water contaminan. Designed and implemented vacuum enhanced pump and treat soil and ground water remediation at the site. Obtained regulatory approval for shutdown of the remediation system within two years based on favorable ground water cleanup results.

Managed and conducted regulator mandated soil and ground water assessment and remediation at over 100 petroleum retail facilities in North Carolina for a major oil company over an eight year period. Activities included preparation of annual budgets and lifecycle cost projections, monitoring reports, assessment reports, corrective action plans, installation, operation, and maintenance of remediation systems. Corrective actions have included natural attenuation, air sparging, soil vapor extraction, pump and treat, dual phase extraction, excavation, and on-site thermal treatment technologies.

Obtained notices of no further action for more than 70 low risk petroleum contaminated sites under North Carolina's risk based corrective action program for petroleum USTs.

Identified ground water contaminant migration pathways along geologic structures in bedrock beneath a landfill using geologic mapping and geophysics. This knowledge was used to limit the extent of ground water quality assessment required and is an integral part of the proposed corrective action.

Completed a Phase I environmental site assessment at a 540-acre pulp and paper mill, including 1.7 million square feet under roof and seven on-site landfills. The work was presented to EPA together with concurrent Phase II assessment data to facilitate a decision not to implement an EPA-lead removal action at the facility.

Completed a PCE assessment at a commercial warehouse and dry cleaning facility. Soil and ground water remediation beneth the facility building utilizing in-situ chemical oxidation is in progress.

Obtained regulatory approval for shutdown of a 10,000 gpd P&T remediation system at a chemical manufacturing facility with chlorinated solvent ground water contamination by demonstrating that operation of the system was increasing the rate of contaminant migration downward into bedrock.