

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**LIBUTTI SITE**

Plat 36, Lot 38  
Johnston, Rhode Island

January 2004

**Prepared For:**

Mayor William Macera  
Town of Johnston  
1385 Hartford Avenue  
Johnston, Rhode Island



# Lake Shore Environmental, Inc.

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January 9, 2004

Mayor William Macera  
Town of Johnston  
1385 Hartford Avenue  
Johnston, RI 02919

RE: Phase I Environmental Site Assessment - Libutti Site  
Parcel at Plat 36, Lot 38  
Allendale Avenue  
Johnston, RI

Dear Mayor Macera:

We are pleased to submit the enclosed report of the Phase I Environmental Site Assessment at the above-referenced site. The assessment was conducted using the Standard Practice E 1527-00 for Environmental Site Assessments by the American Society for Testing and Materials (ASTM, 2000) as general standards for the facility investigation. The results of our assessment are summarized in the attached report.

Thank you for the opportunity to conduct this work. Please contact the undersigned if we can be of further assistance.

Sincerely,

**Lake Shore Environmental, Inc.**



David J. Hazebrouck, P.G., LSP, LEP  
Principal

Enclosure

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## 1.0 INTRODUCTION

Lake Shore Environmental, Inc. (LSE) has been retained by the Town of Johnston to conduct a Phase I Environmental Site Assessment (ESA) of the property located at Plat 36, Lot 38 in Johnston, Rhode Island (subject site). The objective of this Phase I ESA was to identify recognized environmental conditions (RECs) with regard to the subject site.

As defined by Standard Practice for Environmental Site Assessments E 1527-00 (ASTM Practice E 1527-00) developed by the American Society for Testing and Materials (ASTM, 2000), REC means the presence or likely presence of any contaminants on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any contaminants into structures, the ground, groundwater, or surface water on the property. For the purposes of this Phase I ESA, the term contaminant means any hazardous substance, hazardous waste, hazardous constituent, petroleum product, pollutant, or words of similar meaning.

This Phase I ESA was performed using the ASTM Practice E 1527-00 as general standards for the facility investigation. Refer to Appendix A for the scope of work and associated exceptions/deletions of this ESA.

## 2.0 SITE OVERVIEW

### 2.1 Site Information

#### 2.1.1 Property Location, Size of Parcel, and Site Plan

The subject site, referred to herein the Libutti site, is located south of Allendale Avenue between the Woonasquatucket River and Railroad Avenue in an industrial, R-I zone of Johnston, Rhode Island (Providence County). The Site location and lot lines are shown on a portion of the Town of Johnston Assessors Map (Plat 36) presented in Figure 1. The Site is also shown on relevant portions of a United States Geological Survey (USGS) topographic map provided in Figure 2.

According to City/Town records, the subject site is a 22.6-acre rectangular-shaped parcel. Currently, the parcel is completely undeveloped and no structures are located on the subject site. The Site is listed in the Town's Property Cards as Vacant Land (IND LND DV). Copies of the property description cards available at the Town of Johnston Tax Assessor's office are attached as Appendix B. A detailed description of the property developed during the Site inspection is presented in Section 5 below.

#### 2.1.2 Potable Water Supply and Sewage Disposal

According to personnel at Providence Water, all of Allendale Avenue and on portions of Railroad Avenue are served by public water. Other side streets in the area are partially served by water where house lots have been developed. Based on a Rhode Island Department of Environmental Management (RIDEM) map showing Wellhead Protection

Areas within the State of Rhode Island; there are no public potable water supply wells located within a 1.5 mile radius of the Site.

Based on records at the Town Sewer and Water Department, adjoining lots to the north and west of the Site have no record of a sewer connection permit. However, inquiries made with the Narragansett Bay Commission (NBC) indicated that public sewers serve Allendale Avenue and most of Railroad Avenue north of Allendale. An NBC sewer interceptor was installed in the mid 1990s along the railroad bed running parallel to Railroad Avenue and south of Allendale Avenue. Therefore, businesses on Railroad Avenue are likely connected to NBC sewers located behind the properties.

### 2.1.3 Adjoining Land Use

Based on observations made during the Site inspection and available mapping, properties adjoining the subject site include:

Lot/Address	DESCRIPTION	Direction from Subject Site
77 / 100 Allendale Ave.	Industrial – Asphalt Plant	North
97 / 90 Allendale Ave.	Commercial/Industrial	North
75 / 92 Allendale Ave.	Commercial/Industrial	North
105 / Railroad Ave.	Vacant Land	North
37 / Railroad Ave..	Former Railroad Bed Right-of-way	West
36 / 85 Railroad Ave.	Commercial – Construction Yard	Northwest
19 / 95 Railroad Ave.	Commercial – Plumbing/Heating Contractor	West
18 / 75 Railroad Ave.	Commercial – Electrical Contractor	West
9 / 75 Railroad Ave.	Commercial	Southwest
8 / Railroad Ave.	Commercial/Industrial – Auto Salvage	South
Woonasquatucket River		East

All abutting properties support commercial or industrial activities and could pose environmental concerns with respect to off-site contaminant sources. Properties located on the north side of Allendale Avenue are inferred to be hydraulically side gradient from the subject site; consequently, releases of contaminants to groundwater would be expected to travel east towards the Woonasquatucket River. Properties adjoining the Site's western boundary, however are directly upgradient and contaminants released to surface water runoff or groundwater would be expected to travel onto the subject site.

## 2.2 Physical Setting of Site

### 2.2.1 Geologic and Physiographic Setting

#### Topography

The regional topography is shown on the USGS topographic map (1996) for the Providence Quadrangle presented as Figure 2. This map indicates that the subject parcel lies within the Woonasquatucket River floodplain and is generally flat. The northwest corner of the property is slightly higher in elevation than the remainder of the parcel. Presumably, runoff from *Railroad Street and areas further to the northwest drain to the southeast onto the subject parcel and eventually into the Woonasquatucket River.*

Based on a site inspection completed by a wetland scientist with Natural Resource Services, Inc., the following statements were made with respect to the subject site: “The vast majority of the southern portion of this Site is swamp. It appears that a backswamp to the Woonasquatucket River receives regular inundation of water during storm events. A forested wetland complex surrounds the open water areas. Under state regulations, a 50 foot perimeter wetland is applied to any swamp and any activity proposed within this 50 foot jurisdictional area is subject to regulatory permitting.” “Approximately 3.52 acres of non-jurisdictional area is present on the Site; the balance of the Site is regulated freshwater wetland”.

The only areas on-site which are not part of a large wetland complex are areas which have been filled within the last 50 years. These areas correspond to several hundred feet of land bordering Allendale Avenue and a narrow strip of land along the eastern side of the former New York, New Haven & Hartford railroad bed. Other areas to the south and east are characterized by flooded woodland associated with an abandoned channel of the Woonasquatucket River. This river channel bisects the subject parcel from east to west and originally continued south and rejoined the main river. However, flow from this channel was cutoff when a large area along Railroad Avenue in the southwest corner of the property was filled.

#### Geology

Surficial soils at the subject site are predominantly mapped as Hinckley Gravelly Sandy Loam Rolling (USDA, 1981). These excessively drained soil is on terraces, outwash plains, kames, and eskers. Slopes range from 3 to 15 percent. Soils at the Site also consist of Sudbury Sandy Loam, a nearly level, moderately well drained soil in depressions in terraces and outwash plains. Slopes range from 0 to 3 percent.

The surficial geology at the Site have been mapped by the United States Geological Survey (U.S.G.S.) as valley train deposits (stratified sand and gravel deposited by glacial meltwater streams in the valley bottom). Major wetland areas of the parcel are mapped as swamp deposits consisting of sand and silt mixed with varying amounts of partly decomposed organic material.

Bedrock beneath the subject site is mapped as Westboro Quartzite (part of the Blackstone Series) which is a bluish-gray, medium-grained, massive to thin bedded quartzite with interbeds of quartz mica schist (USGS, 1959).

#### 2.2.2 Groundwater

The quality of groundwater beneath the subject site and areas east of George Waterman Road and Greenville Avenue is classified by the Rhode Island Department of Environmental Management as GB (RIGIS, 1991). GB groundwater is designated to be unsuitable for public or private drinking water use (RIDEM, 1996).

#### 2.2.3 Surface Water

The nearest surface water body, the Woonasquatucket River, abuts the Site along its eastern border. This waterbody is classified by RIDEM as a Class B1 surface water (RIDEM, 1997).

Class B1 waters are designated for primary and secondary contact recreational activities and fish and wildlife habitat. They should be suitable for compatible industrial processes and cooling, hydropower, aquacultural uses, navigation, and irrigation and other agricultural uses. These waters should have good aesthetic value. Primary contact recreational activities may be impacted due to pathogens from approved wastewater discharges.

#### 2.2.4 Location of Public Water Supply Sources

The Wellhead Protection Areas and Public Wells map available at RIDEM shows a non-transient non-community water system well to the northwest within a 1.5 mile radius of the subject site (RIGIS, 1996). Additionally, a transient non-community water system well to the southwest lies within a 1.75 mile radius of the subject site (RIGIS, 1996). These supply wells are situated upgradient from the subject site and would not be impacted by Site activities. Providence Water, which supplies potable water to most of the surrounding properties, obtains its water supply from the Scituate reservoir. Other public water supply wells are present within this area of Johnston but at distances greater than 1.5 miles from the Site.

#### 2.3 Previous Environmental Investigations

According to the attorney for the property owner, Mr. Alfred Factor, no previous environmental investigations have been performed on the subject site.

### 3.0 **SITE HISTORY**

The following sources were used to develop the history of the subject site and, to the extent required by ASTM Practice E 1527-00, the nearby sites:

Source  
 Reference  
 Number

Information Source

- 1 Sanborn Fire Insurance Maps were not available for the Site.
- 2 Aerial photographs (available at the State Department of Administration Division of Planning) for the years 1939, 1951, 1965, 1970, 1975, 1981, 1988 and 1992.
- 3 Site Representative, Mr. Al Factor.
- 4 Files and personnel at the Town of Johnston offices of the City/Town Clerk, Building Department, Tax Assessors Office, and Fire Department.
- 5 Historical USGS Topographic Map, Providence and North Scituate Quadrangles, 1939 (reprinted 1947).

LSE spoke with Mr. Alfred Factor of the law firm Kirshenbaum and Kirshenbaum, the owner's attorney and point of contact for the property. Mr. Factor was cooperative although he possessed very little historic or current information regarding the property.

Based on a review of Land Evidence Records on file at the Johnston Town Hall, the parcel was originally described as a portion of the Rice and Corey Farm.

The following table summarizes the history of the subject site and nearby properties as determined from the above sources.

SITE HISTORY			
Date(s)	Site	Nearby Sites	Source Reference Number
1939	The Site appears in aerial photos to be undeveloped with an active channel of the Woonasquatucket River bisecting the parcel. The northernmost third of the Site appears to be devoid of vegetation and may have been stripped of gravel.	Allendale Ave. does not cross the northern property boundary. Development between the railroad and George Waterman Rd. is sparse.	2
1951	Much of the land use (undeveloped) is the same as in 1939. The northern third of the Site is more vegetated than in 1939. Allendale Ave. appears to be a dirt road and now extends across the northern property boundary.	Off-site areas to the west have not changed appreciably since 1939.	2
1962	Much of the land use (undeveloped) is the same as in 1951 & 1939. The northern third of the Site is now completely revegetated. The	Off-site areas to the west have not changed appreciably since 1951. The railroad path is still visible but tracks no longer exist.	2

	southwest corner of the parcel has not yet been filled although several dirt paths lead to the area from the south.		
1972	In the northwest corner of the Site, many vehicles and a rectangular building are situated between the new Railroad Ave. and the former railroad bed. Extensive filling has taken place in the southwest corner of the parcel as well and many vehicles are stored there as well.	In this photo, Railroad Ave has been constructed, and several new houses are shown between Allendale Ave. and Vine St.	2
1976	The property is purchased by Mario Libutti.		4
1981	In this photo, the Site is mostly covered with vegetation with the exception of the northeast corner along Allendale Ave. In this area adjacent to Allendale Ave. and the River, there is little vegetation and some activity is apparent. The abandoned River channel is barely visible. The filled area in the southwest corner of the Site is marked by trails and footpaths.	Lots to the west of the Site between Railroad Ave. and George Waterman Ave. are much more developed.	2
1992	Site appears to be largely overgrown with the exception of a cleared area in the northeast corner abutting Allendale Ave and the River. The River channel is well defined on the parcel in this photo.	Cars and debris appears to be stored on a lot between the former railroad bed and Railroad Ave. Some of this debris is on the subject parcel. It is unclear whether the large filled area near the southwest corner of the Site is within the boundaries of the subject parcel.	2
1995	This photo is similar to 1992 although the cars/debris has been removed from the northwest corner abutting Railroad Ave.	No significant change since 1992 photo.	2

A review of Chain of Title and deed records at the Town Clerk's office provided a record of ownership of the subject site and is provided in Appendix C.

#### 4.0 FEDERAL, STATE, AND LOCAL FILE REVIEW

Files of Federal, State and local agencies were reviewed for environmentally-related issues pertinent to the subject site and nearby parcels, such as permits, inspection reports, enforcement history or documented releases of hazardous materials. The sources of information listed in the following table were researched to identify properties of concern within distances of the subject site specified by ASTM Practice E 1527-00.

Information Source*	Search Distance
Federal Files	
NPL site list	1.25 mile
RCRA CORRACTS TSDf list	1.25 mile
RCRA TSDf list	0.75 mile
CERCLIS list	0.75 mile

Information Source*	Search Distance
RCRA generator list	0.5 mile
ERNS list	0.25 mile
<b>State Files</b>	
Hazardous waste site list	1.25 mile
Landfill and solid waste site list	0.75 mile
Leaking UST list	0.75 mile
Oil & chemical spills	Property and adjoining
UST list	0.5 mile

\*LSE used FirstSearch Technology Corporation (FirstSearch) an environmental database search service, to obtain the information referenced in the above table. FirstSearch provides access to publicly available environmental databases maintained by various Federal and State agencies. Additionally, FirstSearch identifies and provides copies of documents filed at various RIDEM offices to supplement the database information. A copy of the information provided by FirstSearch relative to the subject site and nearby properties is included in Appendix D. The listed information sources are defined and described in detail in the FirstSearch Radius Map Report.

#### 4.1 Summary of Regulatory Database Information

The subject site itself was not listed in any of the databases searched by FirstSearch.

Based on their proximity and/or the inferred groundwater flow direction, known or potential releases at the sites listed in the following table have the potential to adversely impact the subject site. Numerous sites are listed on the FirstSearch report that are located north and hydraulically side gradient of the subject parcel. Due to the side gradient direction of these sites, there is less potential to adversely impact the subject parcel.

Potential concerns associated with sites that are located side or up gradient of the subject parcel are discussed below the table.

Site/Address	Databases*	Distance/ Direction	Map ID**
Johnston Asphalt a.k.a. Town Asphalt / 100 Allendale Ave.	-SQG -STATE SITE (inactive)	North of Site	5
Marshal Fish Products Co. / 77 Railroad Ave.	-UST	Southwest of Site	26
Joe's Junk Yard / Railroad & Allendale.	-STATE SPILLS SITE	Northwest of Site	23
Ed's Auto Parts / 83 Railroad Ave.	-STATE SITE (inactive)	Northwest of Site	10
Abate and Ursillo / 115 Railroad Ave.	-STATE SITE (inactive) -SFA	North of Site	2
Tanury G. Plating / 100 Railroad Ave.	-STATE SITE (inactive)	North and west of Site	4
Centredale Manor / 2072 Smith Street	-STATE SITE/NPL (active)	North and adjoining site	1
Pat's Auto Sales ./ 84 Railroad Ave.	- STATE SITE (inactive)	West of Site	19

- \* Database acronyms are defined in Appendix D
- \*\* Refers to the map identification number assigned by the database service and shown on the database service's maps (Appendix D). Sites listed as "unmappable" by the database service are known as "orphan or non-geocoded sites" since their precise location can not be determined by the database services. Sites shown with a "NS" designation indicates site was not shown on radius map or was not identified by database service. Potential impacts from orphan sites were reviewed by checking actual site locations by street directory and by the inferred groundwater flow direction.

Potential concerns associated with these sites are provided below:

- **Johnston Asphalt/Town Asphalt**  
**100 Railroad Ave.**  
**Distance: Adjoining the Subject Site**  
**Direction: North**

The above listing is attributed to its inclusion on the RCRIS database. The RCRIS-Generator (small quantity generator in this case) database is merely a listing of all facilities that, due to the amount of hazardous waste generated, are required to register with the USEPA for tracking purposes and are not necessarily sites with reported contamination incidents. No violations were associated with this Site.

This site was also listed as an inactive State Site due to auto fluff, a byproduct of auto shedding where foam components of vehicles are contaminated with polychlorinated biphenyls (PCBs). Due to the reference to auto fluff and the fact that this site abuts the subject site, the State files at RIDEM were reviewed.

- **Marshal Fish Products**  
**77 Railroad Ave.**  
**Distance: 0.14 miles**  
**Direction: Southwest of the Site**

The above listing is attributed to its inclusion on RIDEM's File of registered USTs. The FirstSearch report indicates that a 5,000 gallon UST used to store No. 2 heating fuel is in use. No reports of leaks or spills was reported. Since no evidence of a release from this site was reported, it is not anticipated to have adversely impacted the environmental integrity of the subject site.

- **Joe's Junk Yard**  
**Railroad & Allendale**  
**Distance: 0.08 miles**  
**Direction: Northwest of Site**

The above listing is attributed to its inclusion on the State Spills File as a result of a complaint of illegal solid waste disposal. Due to its close proximity to the subject site and upgradient direction, the Spill Files at the RIDEM were reviewed for this site.

- **Ed's Auto Parts**  
**83 Railroad Ave.**  
**Distance: 0.06 Miles**  
**Direction: Southwest of Site**

The above listing is attributed to its inclusion on RIDEM's State Site File. The FirstSearch report indicates that this is an inactive site but due to its potential upgradient direction, a review of RIDEM's files was conducted.

- **Abate and Ursillo**  
**115 Railroad Ave.**  
**Distance: 0.18 Miles**  
**Direction: Northwest of Site**

The above listing is attributed to its inclusion on RIDEM's list of State Sites. The FirstSearch report indicates that this is an inactive site. The site is located several hundred yards to the north of and side gradient of the subject site. Consequently, there is no significant potential for this site to have adversely impacted the subject site.

- **Tanury G. Plating**  
**100 Railroad Ave.**  
**Distance: 0.17 Miles**  
**Direction: Northwest of Site**

The above listing is attributed to its inclusion on RIDEM's list of State Sites. The FirstSearch report indicates that this is an inactive site. The site is located several hundred yards to the north of and side gradient of the subject site. Consequently, there is no significant potential for this site to have adversely impacted the subject site.

- **Centredale Manor**  
**2072 Smith St., No. Providence**  
**Distance: 0.57 Miles**  
**Direction: Northwest of Site**

The above listing is attributed to its inclusion on RIDEM's list of State Sites and also its listing on the Environmental Protection Agency's National Priorities List (NPL). Dioxins have been detected in the Woonasquatucket River sediments at high concentrations from the Centredale Manor site in North Providence to downstream areas from the Allendale Mill Pond Dam. Some of the highest dioxin concentrations were detected in association with the dam sediments. It is likely that dioxins have also impacted sediments downstream of the dam including the abandoned river channel that bisects the subject property and the extensive wetlands on the property

that are routinely flooded by the River. Consequently, a telephone inquire was made to RIDEM's project Manager assigned to the Centredale Manor Project.

- **Pat's Auto Sales**  
**84 Railroad Ave.**  
**Distance: 0.07 Miles**  
**Direction: Southwest of Site**

The above listing is attributed to its inclusion on RIDEM's list of State Sites. The FirstSearch report indicates that this is an inactive site. The site adjoins the subject site along its western border. Due to its proximity to the subject site, a review of RIDEM's files was conducted.

- **Unmappable Sites**

A listing of 2 sites were included on the FirstSearch report but are described as unmappable due to inadequate spatial information. The addresses for these sites were confirmed with a street directory in order to identify their proximity to and the potential to have adversely impacted the subject site. The listed unmappable sites are unlikely to have adversely impacted the subject site due to their proximity and/or the inferred groundwater flow direction.

#### 4.2 RIDEM File Review

As part of the file review, correspondence files for the following former or current businesses that have operated at or near the subject site were requested on December 19, 2003 from the RIDEM Office of Technical and Customer Assistance and reviewed on December 30, 2003.

- Johnston Asphalt a.k.a. Town Asphalt (100 Allendale Ave.)
- Joe's Junk Yard (Railroad and Allendale Ave.)
- Ed's Auto Parts (83 Railroad Ave.)
- Pat's Auto Parts (84 Railroad Ave.)

Potential concerns associated with these sites are provided below:

- Johnston Asphalt a.k.a. Town Asphalt - This business is located on the north side of Allendale Avenue although the site referenced in RIDEM's files is an area containing fill in the northeast corner of the subject site which was reported to be owned by Town Asphalt. A review of RIDEM files indicates that a RIDEM inspector visited the site on May 2, 1998. In an interview with RIDEM, Mr. Ray Libutti (Town Asphalt Manager) claimed that no auto fluff was present in the area in question. The RIDEM inspector, however, observed auto fluff within several areas of fill in this portion of the subject site. A sample of the auto fluff collected from this area by RIDEM indicates it contained 8 parts per million of polychlorinated biphenyls (PCBs).

- Joe's Junk Yard - This Site is located at the intersection of Railroad and Allendale Avenue. A review of RIDEM's Spill Files indicates that an anonymous caller complained to RIDEM that illegal dumping of solid waste had occurred. The RIDEM inspector noted that a pile of solid waste was present on this site but it did not appear to have been buried. The site was referred to RIDEM's solid waste division. Since no evidence exists that disposal of hazardous materials was involved with this incident, it is unlikely that this site is a significant environmental concern with respect to the subject site.
- Ed's Auto Parts – This Site is located at 83 Railroad Avenue (Plat 36, Lot 36) at the intersection of Railroad and Allendale Avenue. A review of RIDEM files indicates that a RIDEM inspector visited the site on May 2, 1998. The RIDEM inspector observed auto fluff on the eastern slope of the property which borders the abandoned railroad bed. A sample of the auto fluff collected from this area by RIDEM indicates it contained 12 parts per million of polychlorinated biphenyls (PCBs). RIDEM correspondence related to the auto fluff observed on this site is included in Appendix E.
- Pat's Auto Parts – This Site is located at 84 Railroad Avenue (Plat 36, Lot 36). A review of RIDEM files indicates that an anonymous call received by RIDEM on April 29, 1988 alleged that auto fluff had been dumped by Metals Recycling at the junkyard at the corner of Railroad and Allendale Avenue about four years ago. A RIDEM inspector visited the site on May 2, 1998. In an interview with RIDEM, Pat (Pat's Auto Sales) said that about 100 to 300 cubic yards of auto fluff was dumped at 3 1/2 Railroad Avenue about 3 years ago and that the property is owned by Cherry Hills Building & Remodeling Co. A sample of the auto fluff collected from this area by RIDEM indicates it contained 2 parts per million of polychlorinated biphenyls (PCBs). RIDEM correspondence related to the auto fluff observed on this site is included in Appendix F.
- Centredale Manor Site – This Site is located approximately 0.57 miles northwest of the Libutti site although impacts from the site have been detected downstream of the Allendale Mill Pond Dam. Based on a telephone conversation with The RIDEM Project Manager for the Centredale Manor site (Mr. Louis Macerone), this site is listed on the National Priorities List (NPL) of Superfund Sites and is currently in the remedial investigation phase. Interim remedial actions intended to remove imminent hazards which have been completed to date include capping of sediments and excavation of sediments at various hot spots along the River. The action level for dioxins has been set at 1 part per billion. Owners of nearby properties bordering the River where dioxins are detected in sediments will be named as potentially responsible parties and will be required to conduct additional testing for dioxins and may be required to perform cleanup activities. Clean up actions will likely include sediment removal and incineration and/or capping of impacted sediments.

#### 4.3 Local File Review

Files and personnel at the Town of Johnston offices of the Town Clerk, Building Department, and Fire Department were queried regarding environmental concerns at the subject site and surrounding sites. No environmental concerns were identified for the subject site or adjacent sites.

A review of the property card for the subject parcel indicated that the parcel is vacant land.

#### 5.0 **SITE RECONNAISSANCE**

The Site reconnaissance was conducted by Mr. David Hazebrouck, of LSE on December 19, 2003. Permission to enter the property and a telephone interview was obtained from Mr. Alfred Factor (attorney for property owner). During the Site visit, the subject site was inspected for RECs. Photographs taken during the Site inspection are presented in Appendix E.

Access to the subject parcel was gained from the railroad right-of-way. The western perimeter of the parcel was inspected first by walking south along the former railroad bed and then east into the area which has been extensively filled. The areas abutting Allendale Avenue and the western bank of the Woonasquatucket River were also inspected. The central and southern areas of the Site were not accessible for inspection as these areas are flooded.

Numerous areas of the subject property have been extensively filled with unknown material or have been used for solid waste disposal. These are shown on an aerial photograph taken in 1992 which is presented as Figure 3.

For much of the northern portion of the subject parcel, an area approximately 50 to 75 feet in width bordering the railroad bed has been filled. This filling has extended the width of the railroad bed in this area. In addition, numerous piles of solid waste and debris have been dumped off the eastern bank of this area. Dumped materials include tires, automobile body parts and engine parts, discarded automotive fuel tanks (more than 20), demolition debris, cans and empty metal drums. It could not be determined without excavation of test pits what the majority of material used for filling in this area consists of.

In the southwest corner of the parcel, a large area of former wetlands has been filled in with what appears to be rubble, solid waste and refuse. Access to this area is currently gained through a gate/fence located behind a landscaping business situated on Railroad Avenue. Heavy brush obscures much of the ground surface in this area but where visible, solid waste including discarded tires, tubes and other debris can be observed. Along the banks of this filled area bordering the wetland, a wide assortment of discarded debris was observed including metal drums, scrap metal, containers of various size and materials, a large metal storage tank, an abandoned dump truck, tires, compressed gas cylinders, and demolition debris.

An area of artificial fill is present in an area bordering the western bank of the Woonasquatucket River near the southern end of the parcel. Access to this area is provided through a walking path bordering the River. This area consists of hummocky terrain due to many mounds of fill interspersed with depressions. The nature of the fill in this area could not be determined without a subsurface examination.

In the northeast corner of the parcel, a large area has been filled with waste asphalt, aggregate and demolition debris. Some of this area has been filled with piles over 15 feet high.

Along most of the frontage on Allendale Avenue, many piles of debris have been dumped over the years as much as 100 feet into the subject parcel. The dumped material includes demolition debris, residential and commercial solid waste, discarded automotive parts and other unidentified fill. Large concrete blocks have been placed all along the southern side of Allendale Avenue to discourage further dumping.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

LSE, Inc. prepared this Phase I ESA report in conformance with the scope and limitations of ASTM Practice E 1527-00. Any exceptions to, or deletions from, this practice are described in Appendix A of this report.

### 6.1 Recognized Environmental Conditions

This assessment has revealed evidence of recognized environmental conditions (RECs) in connection with the extensive filling and disposal of solid waste and other potential sources of hazardous materials on the subject property. Although the property has never been developed, the northern third of the parcel appears to have been cleared and stripped of gravel prior to the late 1930s. Subsequently, large areas of the Site have been filled with unknown material and other wastes. Large numbers of automotive parts have been dumped at numerous locations and may have been used as fill. Empty containers for storage of hazardous materials including automotive fuel tanks, 55-gallon drums, an abandoned storage tank and other potential contaminant sources were observed across the property. A large area of wetlands in the southwest corner of the parcel was filled with unknown material and various solid waste.

If some of these discarded containers were partially full or contained residue when they were dumped, contamination of underlying soil and/or groundwater may have resulted. Additionally, since only the surface of the debris piles could be inspected, it is not possible without an extensive subsurface investigation to determine whether other potentially hazardous materials were buried. Since the source of material comprising the various fill areas on the Site is unknown, a comprehensive subsurface exploration program would be required to identify the nature of fill and buried objects in these areas and to collect soil samples for laboratory testing to determine if contaminants are present at concentrations in excess of RIDEM's Soil Objectives.

Most of the adjoining properties are used for commercial or industrial activities; there are no documented releases of liquid contaminants at these upgradient businesses. However, if water soluble contaminants have been released on these upgradient parcels in the recent past, contaminants would be expected to migrate downgradient and onto the subject parcel. The subject site and several adjoining parcels have been found by the RIDEM to contain auto fluff which contains PCBs. In RIDEM correspondence addressed to owners of these parcels, it is recommended that pending further assessment of the extent of potential health impacts resulting from the auto fluff, children should be discouraged from playing in the areas. This recommendation from RIDEM precludes the use of impacted portions of the parcel for recreational purposes. The presence of auto fluff on the subject site could also represent a liability for potential cleanup costs related to auto fluff.

Files of other off-site properties with documented releases of hazardous materials that are potentially upgradient of the subject site were reviewed at the offices of the RIDEM. These properties have been investigated and remediated to the satisfaction of the RIDEM and do not pose a significant risk to the environmental quality of subject parcel.

Finally, the subject site is situated immediately downstream of the Centredale Manor federal NPL Site. Sediments along this reach of the Woonasquatucket River have been found to contain elevated levels of dioxin. Owners of properties bordering the River which are found to contain levels of dioxin in excess of the 1 part per billion action level will likely be named as potentially responsible parties and may be required to conduct additional testing and remediation of impacted sediments. Considering that an abandoned segment of the River bisects the subject parcel and 85 percent of the parcel is a wetland area subject to back flow/flooding from the River during storm events, there is a strong potential for dioxins to be present on the subject property. Current and future owners of this parcel may be subject to federal liability for cleanup costs under Superfund laws.

In order to assess the potential liabilities and cleanup costs associated with the various RECs identified above, a comprehensive Phase II environmental assessment would need to be conducted at the subject site. Subsurface investigations should include collection and laboratory analysis of groundwater quality samples from along the upgradient property boundary and from several areas on-site where potentially hazardous fill materials were dumped. Additionally, an extensive investigation using test pit excavations would be required throughout the numerous on-site filled areas and solid waste disposal areas to determine the nature of the fill and whether containers of hazardous material were buried. Since the source of the various fill materials is unknown, analytical testing would need to include laboratory analysis of metals, volatile organic compounds, semi-volatile organic compounds, PCBs, and total petroleum hydrocarbons. A representative sediment sampling program within the parcel's River channel and wetland areas with laboratory analysis for dioxins would also be required to assess potential liability related to the presence of dioxins.

## 7.0 REFERENCES

American Society for Testing and Materials, 2000, Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process: ASTM Practice E 1527-00.

United States Geological Survey, 1959, (Providence Quadrangle), Bedrock Geologic Map; United States Department of the Interior, U.S. Geological Survey; Scale 1:24,000.

United States Geological Survey, 1955, (Providence Quadrangle), Surficial Geologic Map; United States Department of the Interior, U.S. Geological Survey; Scale 1:31,680.

RIGIS 1991, "Groundwater Classification," Rhode Island Department of Environmental Management, RIGIS Board of Governors for Higher Education, CPB.

RIGIS 1996, "Wellhead Protection Areas and Public Wells" (Quad name) Quadrangle, Rhode Island," RIGIS Board of Governors for Higher Education, CPB.

Rhode Island Department of Environmental Management, 1997, Water Quality Regulations; RIDEM, 1997, Division of Water Resources.

Rhode Island Department of Environmental Management, 1996, Rules and Regulations for Groundwater Quality; RIDEM, Division of Groundwater and Individual Sewage Disposal Systems.

United States Department of Agriculture Soil Conservation Service in Cooperation with Rhode Island Agricultural Experiment, 1981, Soil Survey of Rhode Island

United States Geological Survey, 1996, (Providence Quadrangle), Rhode Island 7.5-Minute Series Topographic Map; United States Department of the Interior, U.S. Geological Survey.

## 8.0 LIMITATIONS OF WORK PRODUCT

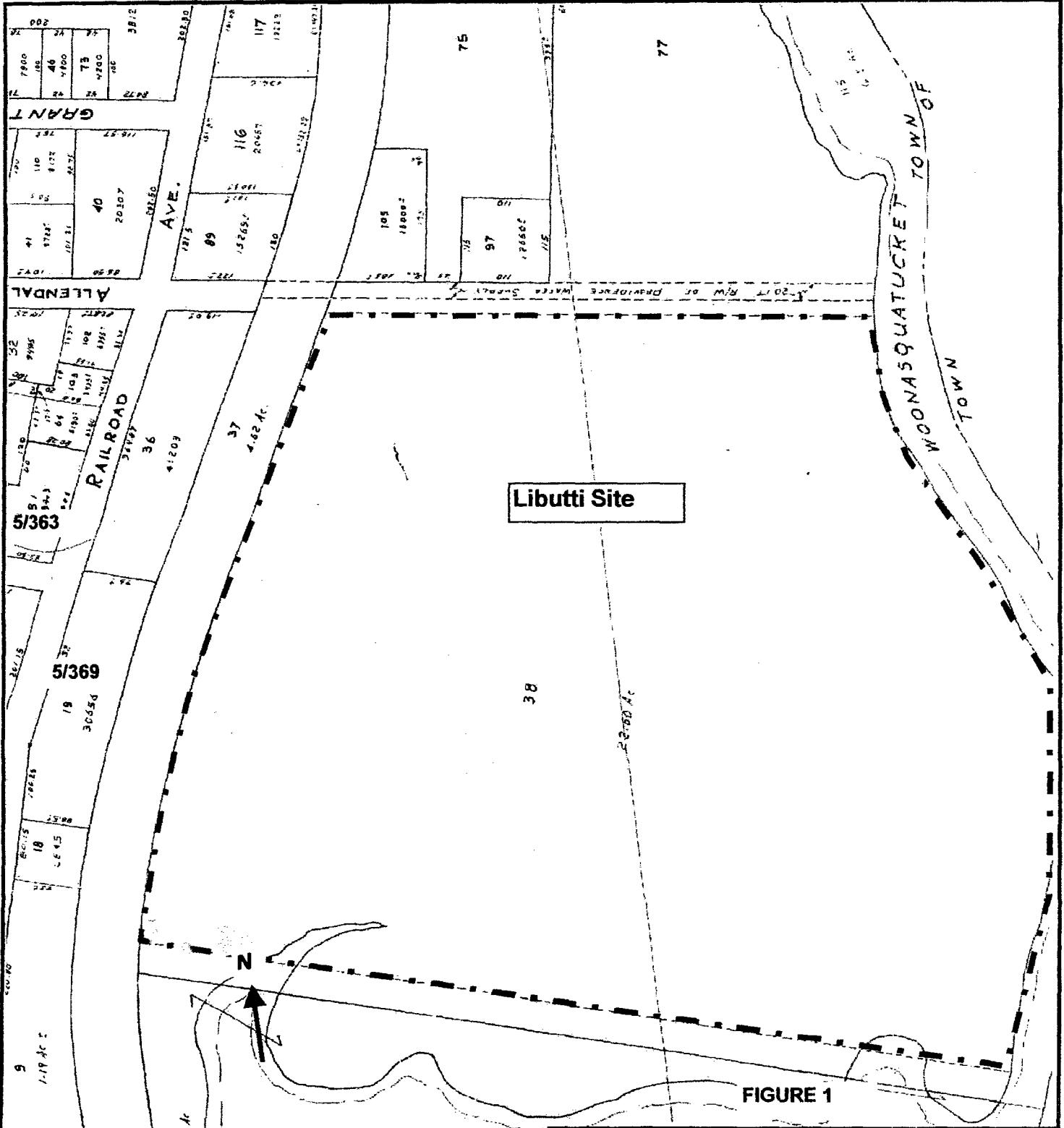
All work product and reports provided in connection with the performance of Environmental Site Assessments are subject to the following limitations.

1. The observations described in this Report were made under the conditions stated therein. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services.
2. In preparing this report, LSE, Inc. has relied on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available to LSE, Inc. at the time of the site assessment. To the extent that such files are missing, incomplete or not provided to LSE, Inc., LSE, Inc. is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, LSE, Inc. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.
3. The purpose of this Report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous substances, waste or petroleum and chemical products and wastes as defined in the State of Rhode Island Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases. Unless otherwise noted, no specific attempt was made to check the compliance of present or past owners or operators of the subject site with Federal, State, or local laws and regulations, environmental or otherwise.
4. If water level readings have been made in observation wells, these observations were made at the times and under the conditions stated in the Report. However, it must be noted that fluctuations in the level of ground water may occur due to variations in rainfall, passage of time and other factors. Should additional data become available in the future, these data should be reviewed by LSE, Inc., and the conclusions and recommendations presented herein modified accordingly.
5. Except as noted within the text of the Report, no quantitative laboratory testing was performed as part of the site assessment. Where such analyses have been conducted by an outside laboratory, LSE, Inc. has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these tests.
6. If the conclusions and recommendations contained in this report are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data (if obtained) have been reviewed and interpretations made in the Report. If indicated within the Report, some of these data may be preliminary "screening" level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time and other factors.

Should additional chemical data become available in the future, these data should be reviewed by LSE, Inc. and the conclusions and recommendations presented herein modified accordingly.

7. Chemical analyses may have been performed for specific parameters during the course of this site assessment, as described in the Report. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or ground water at the subject site.
-

## **FIGURES**



**FIGURE 1**

Lake Shore Environmental, Inc.  
 46 Lake Shore Dr., Cumberland, RI 02864

**Plat Map No. 36**

**Libutti Parcel - Lot 38**  
**Allendale Avenue, Johnston, RI**

**Note: Plan taken from Town of Johnston Tax Assessors Plat Map No. 36**

LSE Proj. No. 03019A10

Date: 12/19/03

Scale: Apx 1"=80'



QUADRANGLE LOCATION

Reference: Map taken from USGS 7.5 minute topographic map of the Providence Quadrangle (1996).

**FIGURE 2**

Lake Shore Environmental, Inc.  
46 Lake Shore Dr., Cumberland, RI 02864

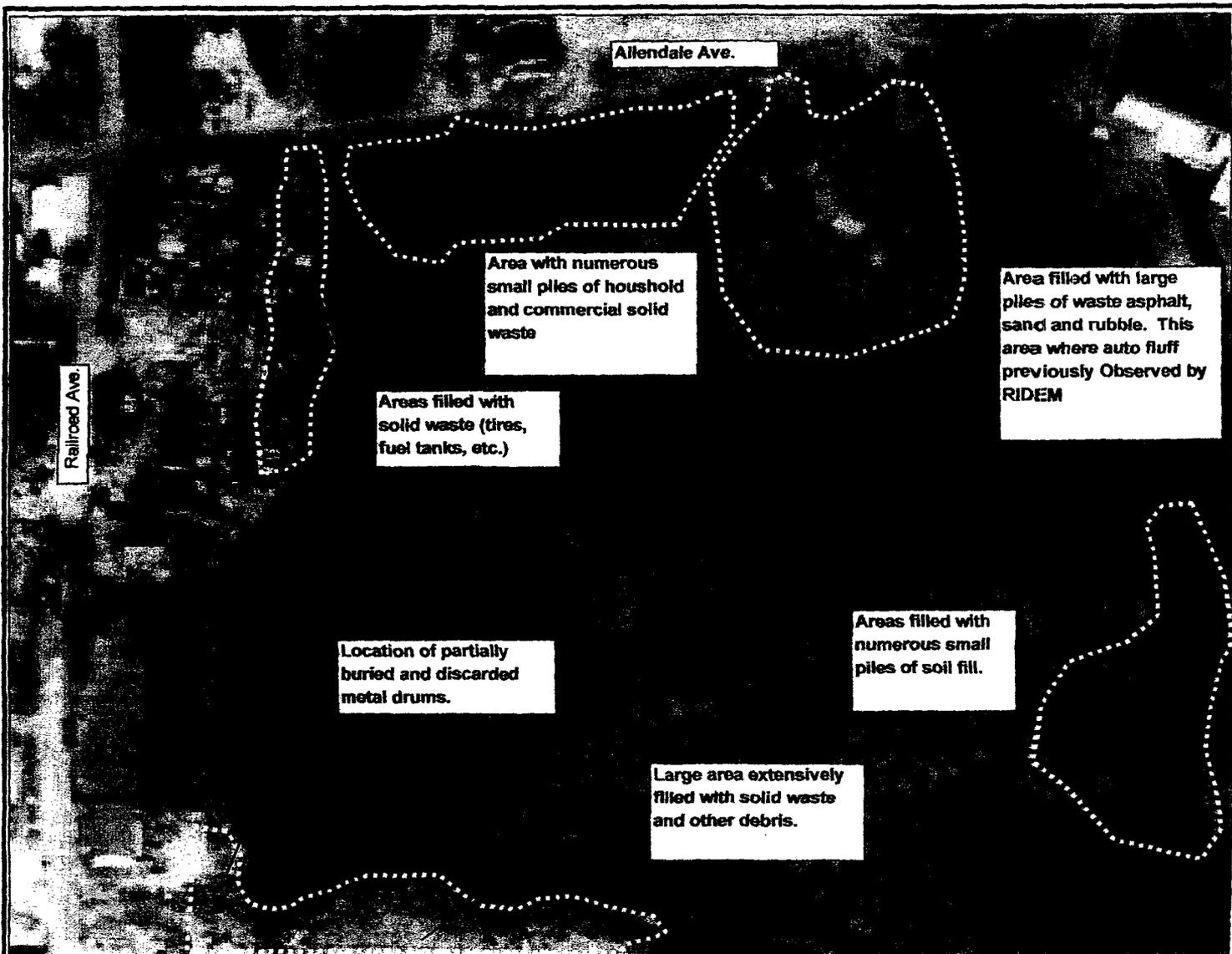
**Site Locus Map**

**Libutti Parcel**  
**Plat 36, Lot 38, Johnston, RI**

LSE Prj. No.03019A10

Date: 12/18/03

Scale: 1"=2K'



N



**FIGURE 3**

Lake Shore Environmental, Inc.  
46 Lake Shore Dr., Cumberland, RI 02864

**Site Plan**

**Libutti Property  
Allendale Avenue, Johnston, RI**

Note: © 1992 RIGIS, RIGIS Ortho Image created on 12/19/03. Data

LSE Proj. No 03019A10

Date: 12/19/03

Scale: As Shown

**APPENDIX A**  
**SCOPE OF WORK, EXCEPTIONS, AND DELETIONS**

## **LSE'S GENERAL PHASE I ESA SCOPE OF WORK**

LSE uses Standard Practice E 1527-00 as general standards for conducting Phase I ESAs. For consistency, this scope of work is generally presented based on the outline of our standard Phase I ESA report. The descriptions of the procedures and sources for obtaining the information for each section follow the section headings. As specified by Standard Practice E 1527-00, the scope of work described below allows for use of professional judgement to determine the extent to which specific sources are reviewed.

Unless otherwise specified, the following items are not considered in the course of completing an ASTM Phase I ESA:

- Asbestos, Lead (paint/plumbing), Radon, Regulatory Compliance, Fluorescent Light Ballasts, Wetlands.

These items typically present little environmental risk to the grounds of a site; however, these items may be future liabilities during property transfer, regulatory audits, construction, renovation, or demolition projects.

### 1.0 Introduction

- The purpose of the ESA and the party that this ESA was conducted for are identified in this section.

### 2.0 Site Overview

#### 2.1 Site Information

##### 2.1.1 Property Location, Size of Parcel, and Site Plan

- Review of USGS topographic maps, local assessor and zoning maps and property description cards, field observations and sketches, and, if available, plans provided by a contact for the subject site. A site plan is included that is derived from these sources.

##### 2.1.2 Potable Water Supply and Sewage Disposal

- Query the local Department of Public Works, local Engineering Department, appropriate local utilities, and/or other local municipal sources and/or a knowledgeable site contact.

##### 2.1.3 Adjoining Land Use

- Site reconnaissance and assessor's mapping.

#### 2.2 Physical Setting of Site

##### 2.2.1 Geologic and Physiographic Setting

- Site reconnaissance, USGS topographic maps, and available geological maps.

##### 2.2.2 Groundwater

- Site reconnaissance, USGS topographic maps, and RIDEM water quality maps and water quality standards.

##### 2.2.3 Surface Water

- Site reconnaissance, USGS topographic maps, and RIDEM water quality maps and water quality standards.

##### 2.2.4 Location of Public Water Supply Sources

- Site reconnaissance, RIDEM water supply source mapping, and mapping available in local departments queried as part of the ESA.

#### 2.3 Previous Environmental Investigations

- Provided by the appropriate site contact or identified by other means during the course of conducting the ESA.

### 3.0 Site History

- Site reconnaissance, knowledgeable site contacts, aerial photographs available on-line through the State Department of Administration, (Sanborn fire insurance maps were not available for this site at the Providence Library), street directories available at the Providence Library (note that a review of street directories was not required to establish the history of use at this site), and local municipal sources (local municipal Building Department, Engineering Department, Planning and Zoning Department, Health Department, and Fire Marshal).
- An appropriate site contact is queried to determine if any environmental liens apply to the property.
- A title search is generally not conducted because they can be very difficult and time consuming and because they generally only yield the owners of the property, not the occupants. However, if the history of a site cannot be otherwise identified, a limited title search may be attempted.

### 4.0 Federal, State, and Local File Review

#### 4.1 Summary of Regulatory Database Information

- Regulatory databases specified by Standard Practice E 1527-00 are reviewed using FirstSearch, an environmental database search service.
- The report provided by FirstSearch is reviewed in detail. Sites that are inferred to present a significant risk to adversely impact the subject site are identified and explained within the ESA report. However, sites inferred to pose little risk to adversely impact the subject site are disclaimed within the attached FirstSearch report.

#### 4.2 RIDEM File Review

- RIDEM Orders, Notices of Violation, and spill reports are provided for the subject site using EDR, as well as a file review at RIDEM.
- Correspondence files for Sites identified by FirstSearch or by site reconnaissance are requested from the RIDEM. RIDEM circulates the file request through all pertinent RIDEM departments. If available, these files are reviewed for pertinent information, which is either copied or noted.

#### 4.3 Local File Review

- Files for the local municipal Tax Assessor, Building Department, and Fire Department are reviewed.

### 5.0 Site Reconnaissance

- Field observations and in interview or interviews with appropriate, knowledgeable personnel familiar with the site.

### 6.0 Conclusions and Recommendations

- Recognized environmental conditions are summarized in this section as well as recommendations for further investigation, if appropriate.

### 7.0 References

- References used as part of the ESA are presented here.

## **SPECIFIC EXCEPTIONS TO, OR DELETIONS FROM, THE GENERAL SCOPE OF WORK AND LIMITATIONS**

- Due to the lack of a knowledgeable Site contact, a history of the site was developed primarily based on a review of municipal records, and historical aerial photographs.

**APPENDIX B**  
**PROPERTY DESCRIPTION CARD(S)**

Property Location: ALLENDALE AVE  
 Parcel ID: 10101

Map ID: 361001 /  
 Other ID: 0003600038

Bldg #: 1 Card 1 of 1

Print Date: 12/19/2003 11:47

CURRENT OWNER		TOPO	UTILITIES	STRT/ROAD	LOCATION	CURRENT ASSESSMENT			
UTTI LITRIA		1 Level	6 Septic	1 Paved	2 Suburban	Description	Code	Appraised Value	Assessed Value
COLONY DR JOHNSTON, RI 02919					5 Industrial	COMM LAND	1400	133,600	133,600
Additional Owners:		SUPPLEMENTAL DATA				5408 JOHNSTON, RI  <b>VISION</b>			
		Account #	12357600						
		PRIOR CD	07						
		ITEM#							
		CENSUS#							
		SUBMAP							
		GIS ID:							

RECORD OF OWNERSHIP		BK-VOL/L	SALE DATE	q/u	v/i	SALE PRICE	V.C.	PREVIOUS ASSESSMENTS (HISTORY)								
UTTI LITRIA		1034/ 279	06/11/2002	U	V			Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
UTTI MARIO M ET UX		135/ 216	03/30/1976				0 00	1995	1400	95,700	1993	14	246,300	1993	14	246,300
EYSTONE REALTY CO		121/ 751	03/23/1972	U	V											
Y OF PROVIDENCE		102/ 230	03/02/1964	U	V											
E ALLENDALE COMPANY		67/ 519	10/6/1947	U	V											
QUIN, LOUISE B		67/ 259	10/6/1947	U	V											
								Total:		95,700	Total:		246,300	Total:		246,300

EXEMPTIONS			OTHER ASSESSMENTS					APPRAISED VALUE SUMMARY	
Year	Type/Description	Amount	Code	Description	Number	Amount	Comm. Int.	This signature acknowledges a visit by a Data Collector or Assessor	
								Appraised Bldg. Value (Card) 0 Appraised XF (B) Value (Bldg) 0 Appraised OB (L) Value (Bldg) 0 Appraised Land Value (Bldg) 133,600 Special Land Value	
Total:								Total Appraised Card Value 133,600 Total Appraised Parcel Value 133,600 Valuation Method: Cost/Market Valuation	

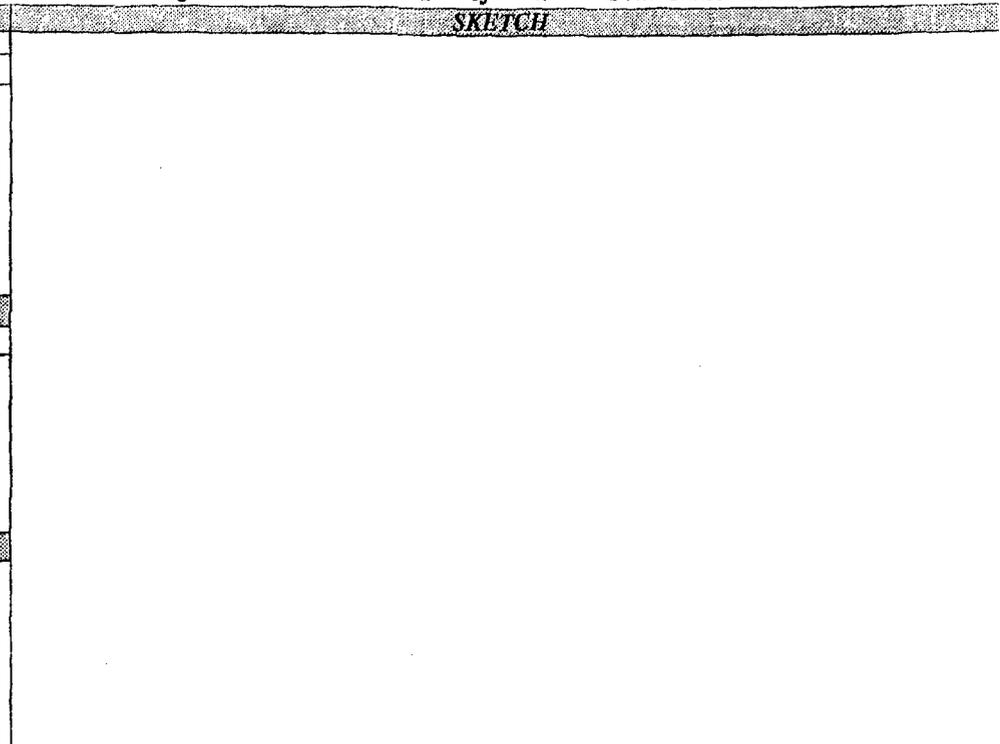
NOTES									
Net Total Appraised Parcel Value 133,600									

BUILDING PERMIT RECORD								VISIT/CHANGE HISTORY				
Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments	Date	ID	Cd.	Purpose/Result
									11/21/1995	CB	43	Change Reinspection
									10/2/1995	CB	10	Measu/LtrSnt Letter Sel
									3/2/1993	SR	00	Measur+Listed

LAND LINE VALUATION SECTION															
Use Code	Description	Zone	D	Frontage	Depth	Units	Unit Price	I. Factor	S.I.	C. Factor	Nbhd.	Adj.	Notes- Adj/Special Pricing	Adj. Unit Price	Land Value
4400	IND LND DV	I				43,560.00	SF	2.29	1.00	1.00	4000	0.88	PRIME SITE	2.02	88,000
4400	IND LND DV	I				1.00	AC	99,800.00	1.00	0.50	1000	0.50	WET	24,950.00	25,000
4400	IND LND DV	I				20.60	AC	10,000.00	1.00	0.20	1000	0.50	WET	1,000.00	20,600
Total Card Land Units						22.60	AC	Parcel Total Land Area:			22.60	AC	Total Land Value		133,600

CONSTRUCTION DETAIL				SKETCH				
Element	Cd.	Ch.	Description	Commercial Data Elements				
Style/ Type	99		Vacant Land	Element	Cd.	Ch.	Description	
Model	00		Vacant	Heat & AC				
Grade				Frame Type				
Stories				Baths/Plumbing				
Occupancy				Ceiling/Wall				
Exterior Wall 1				Rooms/Prtns				
2				% Con Wall				
Roof Structure				Wall Height				
Roof Cover				<b>CONDO/MOBILE HOME DATA</b>				
Interior Wall 1				Element	Code	Description	Factor	
2				Complex				
Interior Floor 1				Floor Adj				
2				Unit Location				
Heating Fuel				Number of Units				
Heating Type				Number of Levels				
AC Type				% Ownership				
Bedrooms				<b>COST/MARKET VALUATION</b>				
Bathrooms				Unadj. Base Rate		20.00		
Total Rooms				Size Adj. Factor		0.00000		
Bath Type				Grade (Q) Index		0.00		
Kitchen Style				Adj. Base Rate		0.00		
				Bldg. Value New		0		
				Year Built		0		
				Eff. Year Built		0		
				Nrml Physcl Dep		0		
				Functl Obslnc		0		
				Econ Obslnc		0		
				Speci. Cond. Code				
				Speci Cond %		0		
				Overall % Cond.				
				Deprec. Bldg Value		0		
<b>MIXED USE</b>								
Code	Description	Percentage						
4400	IND LND DV	100						
<b>OB-OUTBUILDING &amp; YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)</b>								
Code	Description	L/B	Units	Unit Price	Yr.	Dp Rt	%Cnd	Apr. Value
<b>BUILDING SUB-AREA SUMMARY SECTION</b>								
Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprec. Value		
<b>Ttl. Gross Liv/Lease Area</b>		0	0	0	<b>Bldg Val:</b>			

CONSTRUCTION DETAIL								
Element	Cd.	Ch.	Description					
Style/ Type	99		Vacant Land					
Model	00		Vacant					
Grade								
Stories								
Occupancy								
Exterior Wall 1								
2								
Roof Structure								
Roof Cover								
Interior Wall 1								
2								
Interior Floor 1								
2								
Heating Fuel								
Heating Type								
AC Type								
Bedrooms								
Bathrooms								
Total Rooms								
Bath Type								
Kitchen Style								
COMMERCIAL DATA ELEMENTS								
Element	Cd.	Ch.	Description					
Heat & AC								
Frame Type								
Baths/Plumbing								
Ceiling/Wall								
Rooms/P								
% Common Wall								
Wall Height								
NON-MOBILE HOME DATA								
Element	Code	Description	Factor					
Complex								
Floor Adj								
Unit Location								
Number of Units								
Number of Levels								
% Ownership								
COST/MARKET VALUATION								
Unadj. Base Rate		20.00						
Size Adj. Factor		0.00000						
Grade (Q) Index		0.00						
Adj. Base Rate		0.00						
Bldg. Value New		0						
Year Built		0						
Eff. Year Built		0						
Nrml Physcl Dep		0						
Functl Obslnc		0						
Econ Obslnc		0						
Spec. Cond. Code								
Spec. Cond %		0						
Overall % Coud.		0						
Deprec. Bldg Value		0						
MIXED USE			Percentage					
Code	Description							
4400	IND LND DV		100					
OB-OUTBUILDING & YARD ITEMS (A) / BLDG EXTRA FEATURES (B)								
Code	Description	L/B	Units	Unit Price	Yr.	Dp Rt	%Cnd	Apr. Value
BUILDING SUB-AREA SUMMARY SECTION								
Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprec. Value		



**APPENDIX C**  
**CHAIN OF TITLE CARD**



**APPENDIX D**

**ENVIRONMENTAL DATABASE SEARCH  
FirstSearch Technology Corporation**

# *FirstSearch Technology Corporation*

## **Environmental FirstSearch™ Report**

TARGET PROPERTY:

**ALLENDALE AVE**

**JOHNSTON RI 02919**

Job Number: 03019A10

**PREPARED FOR:**

Lake Shore Environmental, Inc.

46 Lake Shore Drive

Cumberland, RI 02864

12-17-03

Environmental  
**FIRSTSEARCH**

*Tel: (781) 320-3720*

*Fax: (781) 320-3715*

**Environmental FirstSearch  
Search Summary Report**

**Target Site:** ALLENDALE AVE  
JOHNSTON RI 02919

**FirstSearch Summary**

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	09-09-03	1.00	0	0	0	0	0	0	0
CERCLIS	Y	09-09-03	0.50	0	0	0	0	-	0	0
NFRAP	Y	09-09-03	0.15	0	0	0	-	-	0	0
RCRA TSD	Y	09-09-03	0.50	0	0	0	0	-	0	0
RCRA COR	Y	09-09-03	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	09-09-03	0.15	0	1	0	-	-	0	1
ERNS	Y	12-31-02	0.15	0	0	0	-	-	0	0
State Sites	Y	10-02-03	1.00	0	3	4	1	14	2	24
Spills-1990	Y	01-04-01	0.15	0	2	0	-	-	0	2
SWL	Y	01-24-01	0.50	0	0	0	0	-	0	0
REG UST/AST	Y	09-01-03	0.15	0	0	1	-	-	0	1
Leaking UST	Y	10-02-03	0.50	0	0	0	4	-	0	4
- TOTALS -				0	6	5	5	14	2	32

**Notice of Disclaimer**

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

**Waiver of Liability**

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

**Environmental FirstSearch  
Site Information Report**

**Request Date:** 12-17-03  
**Requestor Name:** David Hazebrouck  
**Standard:** ASTM

**Search Type:** COORD  
**Job Number:** 03019A10  
 Filtered Report

**TARGET ADDRESS: ALLENDALE AVE  
 JOHNSTON RI 02919**

*Demographics*

<b>Sites:</b> 32	<b>Non-Geocoded:</b> 2	<b>Population:</b> NA
<b>Radon:</b> 0.5 - 14.5 PCI/L		

*Site Location*

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
<b>Longitude:</b>	-71.483338	-71:29:0	<b>Easting:</b> 293839.751
<b>Latitude:</b>	41.849706	41:50:59	<b>Northing:</b> 4635857.936
			<b>Zone:</b> 19

*Comment*

<b>Comment:</b> PLAT36 LOT38
------------------------------

*Additional Requests/Services*

<b>Adjacent ZIP Codes:</b> 0 Mile(s)	<b>Services:</b>																																		
<table border="1"> <thead> <tr> <th>ZIP Code</th> <th>City Name</th> <th>ST</th> <th>Dist/Dir</th> <th>Sel</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	ZIP Code	City Name	ST	Dist/Dir	Sel						<table border="1"> <thead> <tr> <th></th> <th>Requested?</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Sanborns</td> <td>No</td> <td></td> </tr> <tr> <td>Aerial Photographs</td> <td>No</td> <td></td> </tr> <tr> <td>Topographical Maps</td> <td>No</td> <td></td> </tr> <tr> <td>City Directories</td> <td>No</td> <td></td> </tr> <tr> <td>Title Search</td> <td>No</td> <td></td> </tr> <tr> <td>Municipal Reports</td> <td>No</td> <td></td> </tr> <tr> <td>Online Topos</td> <td>No</td> <td></td> </tr> </tbody> </table>		Requested?	Date	Sanborns	No		Aerial Photographs	No		Topographical Maps	No		City Directories	No		Title Search	No		Municipal Reports	No		Online Topos	No	
ZIP Code	City Name	ST	Dist/Dir	Sel																															
	Requested?	Date																																	
Sanborns	No																																		
Aerial Photographs	No																																		
Topographical Maps	No																																		
City Directories	No																																		
Title Search	No																																		
Municipal Reports	No																																		
Online Topos	No																																		

**Environmental FirstSearch  
Sites Summary Report**

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

**TOTAL:** 32      **GEOCODED:** 30      **NON GEOCODED:** 2      **SELECTED:** 7

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
8	STATE	ED S AUTO PARTS EDA-HWM/INACTIVE	83 RAILROAD AVENUE JOHNSTON RI 02919	0.06 SW	10
18	STATE	PAT S AUTO SALES PAS-HWM/INACTIVE	84 RAILROAD AVENUE JOHNSTON RI 02919	0.07 SW	19
24	SPILLS	RAILROAD AND ALLENDALE 99-352	RAILROAD AND ALLENDALE JOHNSTON RI 02919	0.08 NW	23
1	RCRAGN	JOHNSTON ASPHALT LLC RIR000502591/SGN	100 ALLENDALE AVE JOHNSTON RI 02919	0.11 NW	5
22	STATE	TOWN ASPHALT/AUTO FLUFF TAAF-HWM/INACTIVE	100 ALLENDALE AVENUE JOHNSTON RI 02919	0.11 NW	5
25	SPILLS	RAILROAD AVE 99-641	RAILROAD AVE JOHNSTON RI 02919	0.11 SW	24
26	UST	MARSHALL FISH PRODUCTS CO 02338	74 RAILROAD AVE JOHNSTON RI 02919	0.14 SW	26
20	STATE	TANURY G PLATING TNPL-HWM/INACTIVE	100 RAILROAD AVENUE JOHNSTON RI 02919	0.17 SW	4
3	STATE	ABATE AND URSILLO A&U-SFA/INACTIVE	115 RAILROAD AVENUE JOHNSTON RI 02919	0.18 NW	2
2	STATE	ABATE AND URSILLO A&U-HWM/INACTIVE	115 RAILROAD AVENUE JOHNSTON RI 02919	0.18 NW	2
4	STATE	ALLENDALE MILL ALLM-HWM/INACTIVE	494 WOONASQUATUCKET AVE. NORTH PROVIDEN RI 02911	0.19 NE	7
12	STATE	FUTURE FUNINSHING TECHONOLOGIES, IN FFTI-HWM/ACTIVE	178 GEORGE WATERMAN ROAD JOHNSTON RI 02919	0.34 SW	3
28	LUST	EXPRESS SERVICE STATION 0712-LS/SRO - SOIL REMOVAL O	100 EAST AVENUE CRANSTON RI 02911	0.35 NE	25
30	LUST	SGAMBATA TEXACO 2444-LS/SRO - SOIL REMOVAL O	603 WOONASQUATUCKET AVENUE NORTH PROVIDEN RI 02911	0.35 NE	6
29	LUST	MARX WELLS TRUCKING & NORTHEAST BUSING 2423-ST/SRO - SOIL REMOVAL O	85 EAST AVE NORTH PROVIDEN RI 02911	0.36 NE	28
27	LUST	E-911 EMERGENCY TELEPHONE SYSTEM 2410-LS/I - INACTIVE	1951 SMITH STREET NORTH PROVIDEN RI 02911	0.50 NE	27
16	STATE	MERCURY PLATING MERP-HWM/INACTIVE	12 HUMBERT STREET NORTH PROVIDEN RI 02911	0.52 SE	17
7	STATE	CENTREDALE MANOR CLMN-NPL/ACTIVE	2072 SMITH STREET NORTH PROVIDEN RI 02911	0.57 NW	1
5	STATE	C. PEZZA & SONS, INCORPORATED PEZZ-HWM/ACTIVE	100 IRONS AVENUE JOHNSTON RI 02919	0.59 SE	8
11	STATE	F. RONCI-2 FR2-HWM/ACTIVE	2 ATLANTIC AVENUE NORTH PROVIDEN RI 02904	0.61 NE	13
6	STATE	CENTREDALE MANOR CLMN-SFA/ACTIVE	2072 SMITH STREET NORTH PROVIDEN RI 02911	0.62 NW	9

**Environmental FirstSearch  
Sites Summary Report**

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

**TOTAL:** 32      **GEOCODED:** 30      **NON GEOCODED:** 2      **SELECTED:** 7

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
10	STATE	F. RONCI-1 FRI-HWM/ACTIVE	1800 SMITH STREET NORTH PROVIDEN RI 02911	0.64 NE	12
17	STATE	METRO ATLANTIC/BROOK VILLAGE META-HWM/ACTIVE	2075 SMITH STREET NORTH PROVIDEN RI 02911	0.64 NW	18
23	STATE	TRADE CASTINGS TCA-HWM/INACTIVE	258 WOONASQUATUCKET AVE. PROVIDENCE RI 02911	0.65 SE	22
9	STATE	EVANS PLATING EVAN-HWM/ACTIVE	50 WATERMAN AVENUE NORTH PROVIDEN RI 02911	0.72 NW	11
21	STATE	THETA REALTY THTA-HWM/MONITORING	184 WOONASQUATUCKET AVENUE NORTH PROVIDEN RI 02911	0.73 SE	21
15	STATE	MEHAN CONSTRUCTION MEH-HWM/INACTIVE	79 PUTNAM AVE JOHNSTON RI 02919	0.94 NW	16
14	STATE	GREYSTONE MOTORS GMO-HWM/INACTIVE	129 WATERMAN AVENUE NORTH PROVIDEN RI 02911	0.98 NW	15
19	STATE	REXAM DSI INC (FMR) REXA-HWM/ACTIVE	1 GOLDSMITH ST JOHNSTON RI 02919	0.99 SE	20
13	STATE	GINO S AUTO SALES GINO-HWM/INACTIVE	4 TAG DRIVE NORTH PROVIDEN RI 02911	1.00 SE	14

***Environmental FirstSearch  
Sites Summary Report***

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

**TOTAL:** 32      **GEOCODED:** 30      **NON GEOCODED:** 2      **SELECTED:** 7

<b>ID</b>	<b>DB Type</b>	<b>Site Name/ID/Status</b>	<b>Address</b>	<b>Dist/Dir</b>	<b>Map ID</b>
31	STATE	NARR ELECTRIC - CENTERDALE SUBSTATI NECE-HWN/INACTIVE	521 GEORGE WATERMAN RD JOHNSTON RI	NON GC	
32	STATE	NARR. BAY COMMISSION INTERCEPTOR NBCJ-HWM/ACTIVE	GREENVILLE, LYMAN, NEWMAN,DYE JOHNSTON RI 02919	NON GC	

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

STATE SITE			
<b>SEARCH ID:</b> 8	<b>DIST/DIR:</b> 0.06 SW	<b>MAP ID:</b> 10	
<b>NAME:</b> ED S AUTO PARTS <b>ADDRESS:</b> 83 RAILROAD AVENUE JOHNSTON RI 02919		<b>REV:</b> 10/2/03 <b>ID1:</b> EDA-HWM <b>ID2:</b>	
<b>CONTACT:</b>		<b>STATUS:</b> INACTIVE <b>PHONE:</b>	
<u><b>SITE INFORMATION</b></u>			
<b>PROJECT DATE:</b>			

STATE SITE			
<b>SEARCH ID:</b> 18	<b>DIST/DIR:</b> 0.07 SW	<b>MAP ID:</b> 19	
<b>NAME:</b> PAT S AUTO SALES <b>ADDRESS:</b> 84 RAILROAD AVENUE JOHNSTON RI 02919		<b>REV:</b> 10/2/03 <b>ID1:</b> PAS-HWM <b>ID2:</b>	
<b>CONTACT:</b>		<b>STATUS:</b> INACTIVE <b>PHONE:</b>	
<u><b>SITE INFORMATION</b></u>			
<b>PROJECT DATE:</b>			

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

**STATE SPILLS SITE**

**SEARCH ID:** 24                      **DIST/DIR:** 0.08 NW                      **MAP ID:** 23

<b>NAME:</b> RAILROAD AND ALLENDALE	<b>REV:</b> 4/10/00
<b>ADDRESS:</b> RAILROAD AND ALLENDALE JOHNSTON RI 02919	<b>ID1:</b> 99-352
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

<b>SPILL DATE:</b> 06/22/99	<b>SPILL NOTIFIER:</b>
<b>STAFF:</b>	
<b>MATERIAL SPILLED:</b> SOLID WASTE	
<b>SPILL AMOUNT REPORTED:</b>	
<b>INCIDENT:</b> ILLEGAL DISPOSAL	<b>SOURCE OF SPILL:</b>
<b>LUST?:</b>	<b>SOIL CONTAMINATED?:</b>
<b>PCB LEVEL:</b>	

**RCRA GENERATOR SITE**

**SEARCH ID:** 1                      **DIST/DIR:** 0.11 NW                      **MAP ID:** 5

<b>NAME:</b> JOHNSTON ASPHALT LLC	<b>REV:</b> 11/09/03
<b>ADDRESS:</b> 100 ALLENDALE AVE	<b>ID1:</b> RIR000502591
JOHNSTON RI 02919	<b>ID2:</b>
PROVIDENCE	<b>STATUS:</b> SGN
<b>CONTACT:</b> RAY LIBUTTI	<b>PHONE:</b> 4012319550

**SITE INFORMATION**

**UNIVERSE TYPE:**

SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

STATE SITE			
<b>SEARCH ID:</b> 22	<b>DIST/DIR:</b> 0.11 NW	<b>MAP ID:</b> 5	
<b>NAME:</b> TOWN ASPHALT/AUTO FLUFF	<b>REV:</b> 10/2/03	<b>ID1:</b> TAAF-HWM	
<b>ADDRESS:</b> 100 ALLENDALE AVENUE JOHNSTON RI 02919	<b>ID2:</b>	<b>STATUS:</b> INACTIVE	
<b>CONTACT:</b>	<b>PHONE:</b>		
 <u><b>SITE INFORMATION</b></u>  <b>PROJECT DATE:</b>			

STATE SPILLS SITE			
<b>SEARCH ID:</b> 25	<b>DIST/DIR:</b> 0.11 SW	<b>MAP ID:</b> 24	
<b>NAME:</b> RAILROAD AVE	<b>REV:</b> 4/10/00	<b>ID1:</b> 99-641	
<b>ADDRESS:</b> RAILROAD AVE JOHNSTON RI 02919	<b>ID2:</b>	<b>STATUS:</b>	
<b>CONTACT:</b>	<b>PHONE:</b>		
<b>SPILL DATE:</b> 10/14/99	<b>SPILL NOTIFIER:</b>		
<b>STAFF:</b>			
<b>MATERIAL SPILLED:</b>			
<b>SPILL AMOUNT REPORTED:</b>			
<b>INCIDENT:</b> SOLVENT ODOR	<b>SOURCE OF SPILL:</b>	ABATE & URSILLO	
<b>LUST?:</b>	<b>SOIL CONTAMINATED?:</b>		
<b>PCB LEVEL:</b>			



**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

STATE SITE			
<b>SEARCH ID:</b> 3	<b>DIST/DIR:</b> 0.18 NW	<b>MAP ID:</b> 2	
<b>NAME:</b> ABATE AND URSILLO	<b>REV:</b> 10/2/03	<b>ID1:</b> A&U-SFA	
<b>ADDRESS:</b> 115 RAILROAD AVENUE JOHNSTON RI 02919	<b>ID2:</b>	<b>STATUS:</b> INACTIVE	
<b>CONTACT:</b>	<b>PHONE:</b>		
<u><b>SITE INFORMATION</b></u>			
<b>PROJECT DATE:</b>	11/07/91		

STATE SITE			
<b>SEARCH ID:</b> 2	<b>DIST/DIR:</b> 0.18 NW	<b>MAP ID:</b> 2	
<b>NAME:</b> ABATE AND URSILLO	<b>REV:</b> 10/2/03	<b>ID1:</b> A&U-HWM	
<b>ADDRESS:</b> 115 RAILROAD AVENUE JOHNSTON RI 02919	<b>ID2:</b>	<b>STATUS:</b> INACTIVE	
<b>CONTACT:</b>	<b>PHONE:</b>		
<u><b>SITE INFORMATION</b></u>			
<b>PROJECT DATE:</b>			

STATE SITE			
<b>SEARCH ID:</b> 12	<b>DIST/DIR:</b> 0.34 SW	<b>MAP ID:</b> 3	
<b>NAME:</b> FUTURE FUNINSHING TECHONOLOGIES, INC	<b>REV:</b> 10/2/03	<b>ID1:</b> FFTI-HWM	
<b>ADDRESS:</b> 178 GEORGE WATERMAN ROAD JOHNSTON RI 02919	<b>ID2:</b>	<b>STATUS:</b> ACTIVE	
<b>CONTACT:</b>	<b>PHONE:</b>		
<u><b>SITE INFORMATION</b></u>			
<b>PROJECT DATE:</b>	11/10/00		

**Environmental FirstSearch  
Site Detail Report**

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

STATE SITE			
<b>SEARCH ID:</b> 7	<b>DIST/DIR:</b> 0.57 NW	<b>MAP ID:</b> 1	
<b>NAME:</b> CENTREDALE MANOR	<b>REV:</b> 10/2/03		
<b>ADDRESS:</b> 2072 SMITH STREET NORTH PROVIDENCE RI	<b>ID1:</b> CLMN-NPL		
	<b>ID2:</b>		
<b>CONTACT:</b>	<b>STATUS:</b> ACTIVE		
	<b>PHONE:</b>		
 <u><b>SITE INFORMATION</b></u>			
<b>PROJECT DATE:</b>			

STATE SITE			
<b>SEARCH ID:</b> 6	<b>DIST/DIR:</b> 0.62 NW	<b>MAP ID:</b> 9	
<b>NAME:</b> CENTREDALE MANOR	<b>REV:</b> 10/2/03		
<b>ADDRESS:</b> 2072 SMITH STREET NORTH PROVIDENCE RI	<b>ID1:</b> CLMN-SFA		
	<b>ID2:</b>		
<b>CONTACT:</b>	<b>STATUS:</b> ACTIVE		
	<b>PHONE:</b>		
 <u><b>SITE INFORMATION</b></u>			
<b>PROJECT DATE:</b>	04/10/86		

**Environmental FirstSearch  
Federal Databases and Sources**

**ASTM Databases:**

**CERCLIS: Comprehensive Environmental Response Compensation and Liability Information System.** The EPA's database of current and potential Superfund sites currently or previously under investigation. Source: Environmental Protection Agency.

*Updated quarterly.*

**CERCLIS-NFRAP (Archive): Comprehensive Environmental Response Compensation and Liability Information System Archived Sites.** The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

*Updated quarterly.*

**ERNS: Emergency Response Notification System.** The EPA's database of emergency response actions. Source: Environmental Protection Agency. Data since January, 2001, has been received from the National Response Center as the EPA no longer maintains this data.

*Updated quarterly.*

**FINDS: The Facility Index System.** The EPA's Index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. Source: Environmental Protection Agency.

*Updated semi-annually.*

**NPL: National Priority List.** The EPA's list of confirmed or proposed Superfund sites. Source: Environmental Protection Agency.

*Updated quarterly.*

**RCRIS: Resource Conservation and Recovery Information System.** The EPA's database of registered hazardous waste generators and treatment, storage and disposal facilities. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List). Source: Environmental Protection Agency.

**RCRA TSD: Resource Conservation and Recovery Information System Treatment, Storage, and Disposal Facilities.** The EPA's database of RCRIS sites which treat, store, dispose, or incinerate hazardous waste. This information is also reported in the standard RCRIS detailed data.

**ASTM Databases (continued):**

**RCRA COR: Resource Conservation and Recovery Information System Corrective Action Sites.** The EPA's database of RCRIS sites with reported corrective action. This information is also reported in the standard RCRIS detailed data.

**RCRA GEN: Resource Conservation and Recovery Information System Large and Small Quantity Generators.** The EPA's database of RCRIS sites that create more than 100kg of hazardous waste per month or meet other RCRA requirements. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List).

**RCRA NLR: Resource Conservation and Recovery Information System sites No Longer Regulated.** The EPA's database of RCRIS sites that create less than 100kg of hazardous waste per month or do not meet other RCRA requirements.

*All RCRA databases are Updated quarterly*

## **Environmental FirstSearch Federal Databases and Sources**

### **Non-ASTM Databases:**

**HMIRS: Hazardous Materials Incident Response System.** This database contains information from the US Department of Transportation regarding materials, packaging, and a description of events for tracked incidents.

*Updated quarterly.*

**NCDB: National Compliance Database.** The National Compliance Data Base System (NCDB) tracks regional compliance and enforcement activity and manages the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts and inspection until the time the inspector closes or the case settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

*Updated quarterly*

**NPDES: National Pollution Discharge Elimination System.** The EPA's database of all permitted facilities receiving and discharging effluents. Source: Environmental Protection Agency.

*Updated semi-annually.*

**NRDB: National Radon Database.** The NRDB was created by the EPA to distribute information regarding the EPA/State Residential Radon Surveys and the National Residential Radon Survey. The data is presented by zipcode in Environmental FirstSearch Reports. Source: National Technical Information Service (NTIS)

*Updated Periodically*

**Nuclear:** The Nuclear Regulatory Commission's (NRC) list of permitted nuclear facilities.

*Updated Periodically*

#### **PADS: PCB Activity Database System**

The EPA's database PCB handlers (generators, transporters, storers and/or disposers) that are required to notify the EPA, the rules being similar to RCRA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

*Updated semi-annually.*

**Receptors:** 1995 TIGER census listing of schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

*Updated Periodically*

**Non-ASTM Databases (continued):**

**RELEASES: Air and Surface Water Releases.** A subset of the EPA's ERNS database which have impacted only air or surface water.

*Updated semi-annually.*

**Soils:** This database includes the State Soil Geographic (STATSGO) data for the conterminous United States. It contains information regarding soil characteristics such as water capacity, percent clay, organic material, permeability, thickness of layers, hydrological characteristics, quality of drainage, surface, slope, liquid limit, and the annual frequency of flooding. Source: United States Geographical Survey (USGS).

*Updated quarterly*

**TRIS: Toxic Release Inventory System.** The EPA's database of all facilities that have had or may be prone to toxic material releases. Source: Environmental Protection Agency.

*Updated semi-annually.*

**Environmental FirstSearch  
Rhode Island Databases and Sources**

1. **Spills:** The RI Department of Environmental Management's list of Oil and Chemical Spills produced by the Division of Site Remediation.

*Updated quarterly.*

2. **Landfills:** The RI Department of Environmental Management's listing of Solid Waste Management Facilities maintained by the Division of Waste Management.

*Updated annually.*

3. **UST:** Underground Storage Tanks. The RI Department of Environmental Management's database listing of the Underground Storage Tanks Facility Master List maintained by the Underground Storage Tank Section of the Division of Waste Management.

*Updated quarterly.*

4. **PWS:** Public Water Supplies. The RI Department of Administration's database of public water supply locations maintained by the Division of Planning/RIGIS.

*Updated annually.*

**Environmental FirstSearch**  
**Street Name Report for Streets within .25 Mile(s) of Target Property**

**TARGET SITE:** ALLENDALE AVE  
JOHNSTON RI 02919

**JOB:** 03019A10  
PLAT36 LOT38

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
Acorn St	0.25 SW		
Allen Ave	0.20 NE		
Allendale Ave	0.08 NW		
Atlantic Blvd	0.22 NE		
Atwells Ave	0.18 SW		
Bowen St	0.16 SW		
Chandler St	0.20 NE		
Dart St	0.25 SW		
Garner Ave	0.09 SW		
Gaudet St	0.25 NE		
George Waterman Rd	0.15 NW		
Grant St	0.11 NW		
Guidone St	0.22 NW		
Hayes Ave	0.12 NW		
Maple St	0.23 SE		
Oak St	0.21 SW		
Oakwood Dr	0.25 NE		
Peach Hill Ave	0.22 NE		
Pine St	0.20 NW		
Polk St	0.16 NW		
Railroad Ave	0.08 NW		
Tabor Dr	0.25 NW		
Teakwood Dr	0.20 NW		
Van Buren St	0.20 SW		
Vine St	0.13 SW		
Woonasquatucket Ave	0.19 NE		



# Environmental FirstSearch

1 Mile Radius

ASTM Map: NPL, RCRACOR, STATE Sites

Environmental  
**FIRSTSEARCH**



## ALLENDALE AVE, JOHNSTON RI 02919



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 41.849706 Longitude: -71.483338) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius





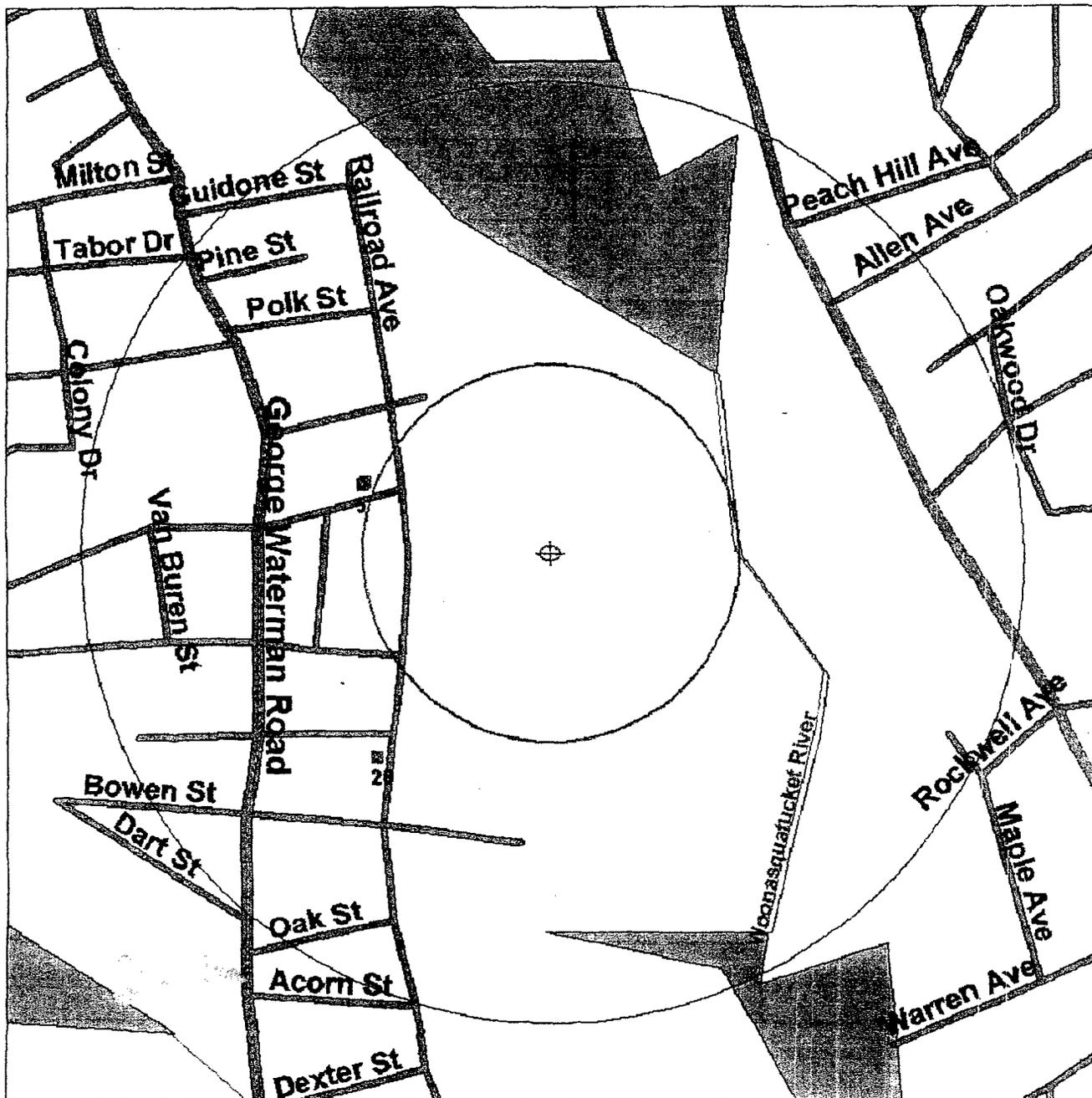
# Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRA GEN, ERNS, UST



## ALLENDALE AVE, JOHNSTON RI 02919



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 41.849706 Longitude: -71.483338) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius



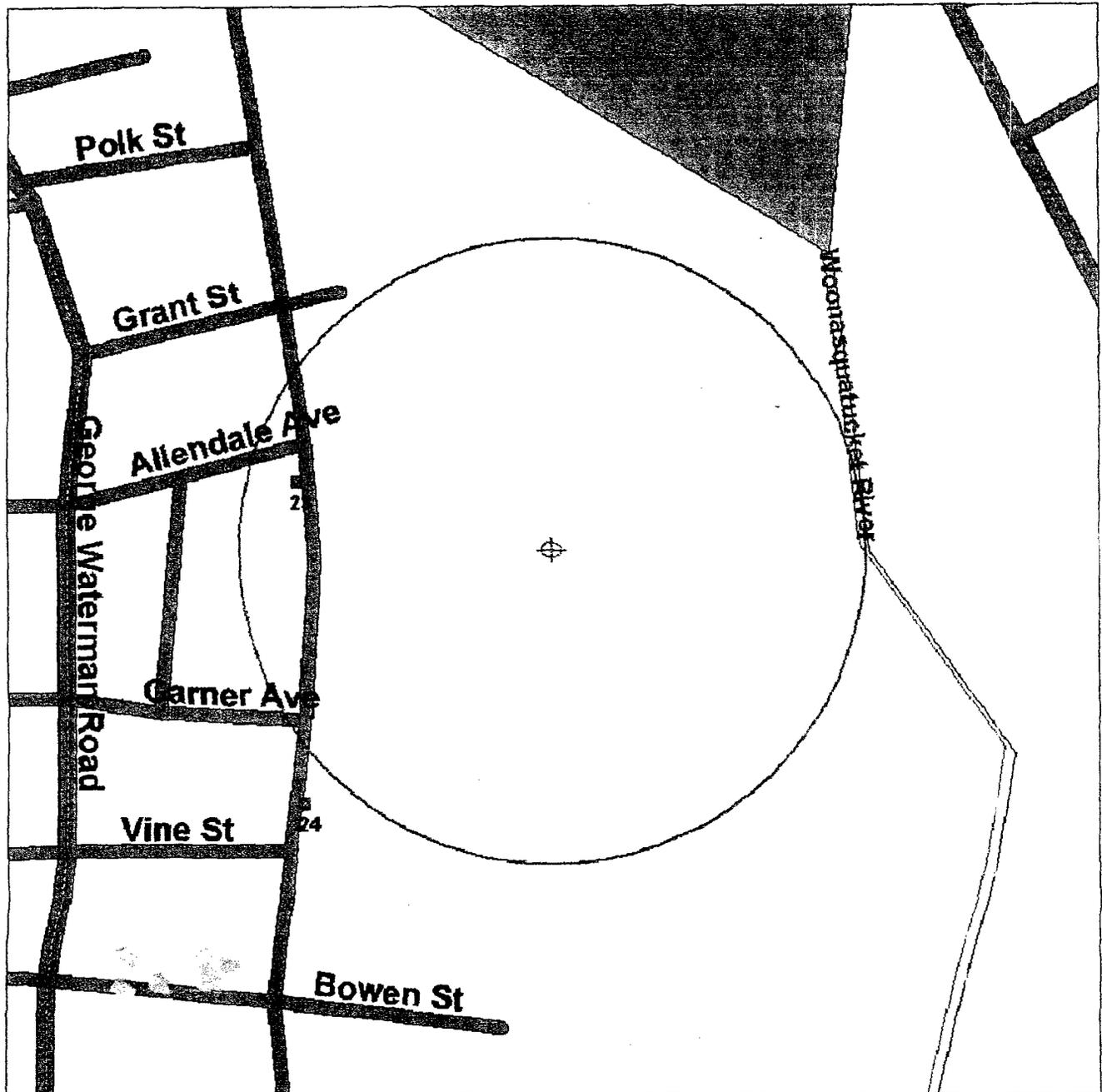


# Environmental FirstSearch

.15 Mile Radius  
Non-ASTM Map: Spills 90



## ALLENDALE AVE, JOHNSTON RI 02919



Source: 1999 U.S. Census TIGER Files

- Target Site (Latitude: 41.849706 Longitude: -71.483338) ..... 
- Identified Site, Multiple Sites, Receptor .....   
- NPL, Solid Waste Landfill (SWL) or Hazardous Waste ..... 
- National Historic Sites and Landmark Sites .....  
- Railroads ..... 

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

**APPENDIX E**  
**SITE PHOTOGRAPHS**



View looking east along Allendale Avenue



View looking south along the railroad right-of-way



View of dumping east of railroad right-of-way



View of dumping east of railroad right-of-way



View of abandoned storage tank in southwest corner of parcel



View looking north of extensive filled area in parcel's southwest corner



View of fill piles containing asphalt in northeast corner of parcel



View of EPA warning sign with Woonasquatucket River beyond

**APPENDIX F**

**RIDEM CORRESPONDENCE AND RECORDS OF COMMUNICATION**



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

DIVISION OF AIR AND HAZARDOUS MATERIALS  
291 Promenade Street  
Providence, R. I. 02908-5767

24 June 1988

Ms. Louise Rego  
318 Cherry Hill Road  
Johnston, RI 02919

Dear Ms. Rego:

The Department of Environmental Management (DEM) recently collected two samples of soil and/or "auto fluff" from your property located on Plat 36, Lot 36 in Johnston. This property is occupied by Pat's Economy Autobody Company and Ed's Auto Parts and Glass Outlet. DEM has been involved in an investigation of this material because of its potential contamination with PCBs (polychlorinated biphenyls). The results of the samples collected from your property indicate PCB concentration(s) of 2 and 12 parts per million (ppm) respectively.

This concentration of PCBs is far below that which would result in short term health effects. Based upon our current information, DEM believes that the primary long term exposure routes of concern are direct contact and ingestion.

DEM will be working with the Department of Health and the US Environmental Protection Agency in order to more accurately assess the potential health impacts of auto fluff in this area. Additional samples may have to be taken and analyzed before this is possible, however. In the meantime, therefore, it is strongly suggested that people avoid areas where fluff has been identified. In particular, children should be discouraged from playing in such areas.

You will be kept informed as to the progress of our work. If you have any questions, please call us at 277-2797.

Sincerely,

Thomas D. Getz, Chief  
Division of Air & Hazardous Materials

TDG/kz

cc: Pat's Economy Autobody Company  
Ed's Auto Parts and Glass Outlet  
form-tg/k13

Record of Communication

Date: 1/8/04

Time: 3:15 pm

LSE Project No.: 03049 A10

Recorded by: DJH

Project Name: Libutti parcel PH I ESA

Communication with: Trish - town of Johnston Bldg Heat. (sewer + water)  
of: Johnston Sewer & Water

Phone: 751 - 1760 Fax 553 - 8861

Communication via:

- Telephone Conversation
- Discussions During Site Inspection
- Office Visitation/Meeting at: \_\_\_\_\_
- Other: \_\_\_\_\_

Re:

Availability of sewer & water near subject site

Summary of Communication:

Trish called back to say that none of the adjoining parcels on Akeley or Railroad Ave have permits indicating they are connected to public sewer.

Conclusions, Actions Taken, Required, or Recommended:

These parcels have either connected to the sewer without obtaining a permit or are on private IDS systems.

Follow-up Required: When, With and by Whom:

Check w/ NBC about billing records for these parcels

Lake Shore Environmental, Inc.

46 Lake Shore Drive  
Cumberland, RI 02864  
TEL 401 333-9532 FAX 401 333-3117  
Email:dcgh@110.net

**FAX TRANSMITTAL SHEET**

This facsimile and the information it contains are intended to be a confidential communication only to the person or entity to whom it is addressed. If you have received this facsimile in error, please notify us by telephone and return the original fax to this office by mail.

**TO:** Trish  
**COMPANY:** Town of Johnston – Sewer & Water Dept.  
**FAX NO.:** 401-553-8861  
**TELEPHONE NO.:** 401-351-1760  
**FROM:** Dave Hazebrouck  
**DATE:** January 8, 2004  
**JOB NO.:** 03019A10  
**RE:** Properties Connected to Public Sewers  
Near Intersection of Allendale and Railroad Ave.  
Johnston, RI  
**NO. OF PAGES:** 1 (includes cover sheet)

Trish:

As we discussed on the telephone today, I am looking to determine which properties surrounding the Libutti site are currently connected to public sewers. The following is a listing of properties by plat/lot number:

<u>Plat</u>	<u>Lot</u>
36	77
36	97
36	75
36	105
36	89
36	36
36	19
36	18

Please call me if you have questions.

*Dave Hazebrouck, P.G., LEP*

Record of Communication

Date: 1/7/03

Time: 9:50

LSE Project No.: 03019 A H

Recorded by: DJH

Project Name: Libutti parcel - PH I ESA

Communication with: Steve Martinelli

of: NRC

Phone: 461-8848 ext. 706

Communication via:

- Telephone Conversation
- Discussions During Site Inspection
- Office Visitation/Meeting at: \_\_\_\_\_
- Other: \_\_\_\_\_

Re:

Sanitary Sewer Service

Summary of Communication:

At my request, Steve checked the surrounding streets (RR, Allen Dale, Vine, Hayes, Grant) to determine if they are served by public sewers. He said sewer lines are present on Allen Dale and Rail Road north of Allen Dale. He said an interceptor sewer line was installed in the Rail Road bed in 1994 south of Allen Dale which serves businesses in the area.

Conclusions, Actions Taken, Required, or Recommended:

Sewers are available for businesses and residences in the area.

Follow-up Required: When, With and by Whom:

Steve said the town's sewer connection records may not be complete or up to date which would explain why no connection permits are in the town's files.

Record of Communication

Date: 12/15/03

Time: 10:20

LSE Project No.: 03019410

Recorded by: UJU.

Project Name: Liberty parcel #1254

Communication with: Howard Homes #7201
of: Providence Water
Phone: 521-6300

Communication via:

- Telephone Conversation
Discussions During Site Inspection
Office Visitation/Meeting at:
Other:

Re: Availability of public water service in vicinity of
subject site on Allendale Ave.

Summary of Communication:
Howard said water service is available along all of
Allendale Ave. and on Railroad Ave. north of Park St.
Some side streets are only partially served by prov. water
Although any parcel in the area could be tied in.

Conclusions, Actions Taken, Required, or Recommended:

Follow-up Required: When, With and by Whom:

Record of Communication

Date: 12/17/03

Time: 9:55 am

LSE Project No.: 03019A10

Recorded by: DJA

Project Name: Lilutti parcel - PH I ESA

Communication with: Cathy

of: Johnston Fire Dept. - Fire prevention

Phone: 351-1600

Communication via:

- Telephone Conversation
- Discussions During Site Inspection
- Office Visitation/Meeting at: \_\_\_\_\_
- Other: \_\_\_\_\_

Re:

Any records of UST's, LUST's, spills of oil or other hazardous materials in the area.

Summary of Communication:

Cathy had user records for the following: 75 Rail Road St. = P&B Scrap metal; closed UST's. 120 RR St. = M.J. Enterprises; closed UST's. 100 Alameda Ave = Johnston Asphalt; 4 UST's in service: A 15K & 5K UST for asphalt mix, and 4 10K and 1K UST for diesel storage. No records of UST's, LUST's or releases for 600 St Hayes Ave. or Vine St. (all upgradient of site).

Conclusions, Actions Taken, Required, or Recommended:

Follow-up Required: When, With and by Whom:

Check Environmental data base for records re: closed UST's referenced above.