

**Waste Management Division
PO Box 95, 29 Hazen Drive
Concord, NH 03302**

Type of Submittal (Check One-Most Applicable)

☐ Work Scope ☐ Reimbursement Request	☐ Remedial Action - Remedial Action Plan - Bid Plans and Specifications - Remedial Action Implementation Report
☐ UST Facility Report ☐ AST Facility Report	☐ Treatment System and POE O&M ☐ Activity and Use Restriction
☐ Emergency/Initial Response Action ☐ Groundwater Quality Assessment	☐ Temporary Surface Water Discharge Permit
☐ Initial Site Characterization ☐ Site Investigation - Site Investigation Report - Supplemental Site Investigation Report - GMZ Delineation - Source Area Investigation - Data Submittal - Annual Summary Report ☒ Unsolicited Phase I Environmental Site Assessment ☐ Closure Documentation	☐ Groundwater Management Permit - Permit Application - Renewal Application - Deed Recordation Documentation - Abutter Notification Documentation - Release of Recordation ☐ Data Submittal ☐ Annual Summary Report

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Former L.W. Packard Mill
6 Mill Street
Ashland, New Hampshire
NHDES#200009045
LRPC Brownfields Grant # BF96111801

Prepared For:
Lakes Region Planning Commission
103 Main Street, Suite #3
Meredith, NH 03253
Phone: (603) 279-8171
Contact: Mr. Kimon Koulet

Prepared By:
CREDERE ASSOCIATES, LLC
776 Main Street
Westbrook, ME 04902
Phone: (207) 828-1272 ext. 35
Contact: Judd R. Newcomb

November 29, 2011

Recommended Risk Category (check one)

☐ 1. Immediate Human Health Risk (Impacted water supply well, etc.) ☐ 2. Potential Human Health Risk (Water supply well within 1,000' or Site within SWPA) ☐ 3. Free Product or Source Hazard	☐ 4. Surface Water Impact ☐ 5. No Alternate Water Available/No Existing Wells in Area ☐ 6. Alternate Water Available/High Level Groundwater Contamination (>1,000 X AGQS)	☐ 7. Alternate Water Available/Low Level Groundwater Contamination (<1,000 X AGQS) ☐ 8. No AGQS Violation/No Source Remaining ☐ Closure Recommended
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CREDERE ASSOCIATES, LLC

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Westbrook, Maine 04092
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November 29, 2011

Mr. Kimon Koulet, Executive Director
Lakes Region Planning Commission
103 Main Street, Suite #3
Meredith, NH 03253

**Subject: Phase I Environmental Site Assessment
Former L.W. Packard Mill
6 Mill Street, Ashland, NH
NHDES Site No. 200009045**

Dear Mr. Koulet:

Enclosed is a copy of the Phase I Environmental Site Assessment (ESA) Report completed for the Former L.W. Packard Woolen Mill located at 6 Mill Street in Ashland, New Hampshire (the subject property). This report was completed in accordance with the American Society of Testing Materials (ASTM) Standard Practice E 1527-05 for Phase I ESAs.

Seven (7) *recognized environmental conditions* and three (3) *non-scope environmental considerations* were identified for the subject property. Our conclusions regarding these conditions are described in **Section 12** of the attached report.

Please do not hesitate to contact us at (207) 828-1272 if you have any questions or comments.

Sincerely,
CREDERE ASSOCIATES, LLC


Judd R. Newcomb, CG
Geologist

Enclosures – Phase I ESA

cc: Paul Branscombe, Town of Ashland
Ms. Christine Lane, Squam River Hydro, LLC
Ms. Jennifer Marts, NHDES
Ms. Jerry Minor-Gordon, USEPA





Phase I – Environmental Site Assessment

Former L.W. Packard Mill
6 Mill Street
Ashland, New Hampshire
NHDES Site #200009045

Prepared for:

Lakes Region Planning Commission
103 Main Street, Suite #3
Meredith, NH 03253

November 29, 2011

In Reference to:
Project No. 10001086

Submitted by:
Credere Associates, LLC
776 Main Street
Westbrook, ME 04092



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6 MILL STREET, ASHLAND, NEW HAMPSHIRE
NHDES SITE NO. 200009045

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EXECUTIVE SUMMARY

Credere Associates, LLC (Credere) performed a Phase I Environmental Site Assessment (ESA) of the property known as the former L.W. Packard Woolen Mill (the subject property) located at 6 Mill Street in Ashland, New Hampshire. The Phase I ESA was completed in conformance with the ASTM International (ASTM) Standard Practice E 1527-05 for Phase I ESAs, which meets the requirements of the U.S. Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI); Final Rule (40 CFR Part 312). Based on Credere's review of local, state, and federal records and files, property historical records, interviews, and observations made during the site reconnaissance, the following highlights the findings of this Phase I ESA:

The subject property is composed of one 2.12-acre parcel of land which is situated along the Squam River. The subject property is part of the larger former L.W. Packard Mill complex that operated as a woolen mill. The subject property consists of primarily paved parking and driveway areas, a portion of the former mill building (the warehouse building), a generator building and the Scribner Building (contiguous), and two separate storage sheds. The mill complex was initially constructed in 1840 and has been periodically expanded and renovated in subsequent years. The subject property and adjoining south and west properties are all occupied by the former L.W. Packard Mill complex. The mill complex has historically been used for textile manufacturing, leather board manufacturing, and electricity generation. L.W. Packard relocated its manufacturing operations to China in 1999 and only maintains a sales and administration office on the adjoining south property. The remaining portions of the mill complex were divided and sold. The subject property is currently owned by Squam River Hydro, LLC. The subject property is currently being used by an accounting office, martial arts training center, a retail storefront, a metal powder coating business, and for electricity generation.

Potable water and wastewater services are provided to the subject property by the Town of Ashland Water and Sewer Department. According to the Department, all properties in the vicinity of the subject property are served by the public water supply. Prior to connection to the municipal sewer, the wastewater disposal method is unknown. Electricity is provided to the subject property by Ashland Electric. Occupied building areas are currently heated with propane-fired or electric heaters. No fuel oil storage is located on the subject property.

This assessment has revealed the following evidence of *recognized environmental conditions* (REC):

- REC-1 – The historical use of the subject and adjoining properties for the manufacture of textiles represents a REC because the historical use of petroleum and hazardous materials on the subject property may have resulted in releases to soil, groundwater, and/or surface water at the subject property. Coal ash has also been identified as fill material on the adjoining property to the west and may also be present on the subject property.



- REC-2 – The presence and/or former presence of potential polychlorinated biphenyl (PCB)-containing transformers on the subject property represents a REC because PCB-containing oil may have been spilled or released in the vicinity of the equipment and impacted the building and/or the environmental media at the subject property. Specific areas of concern of this REC include:
 - Area 1 – The transformer room located in the northwest portion of the warehouse building
 - Area 2 – The transformer room located in the basement of the generator building
 - Area 3 – Oil stained concrete pads in the south basement of the warehouse building
 - Area 4 – An oil stained concrete pad in the bag room of the warehouse building
 - Area 5 – The exterior transformer yard to the east of the generator building
 - Area 6 – The exterior transformer located southeast of the warehouse building
- REC-3 – The previous use of floor drains in the buildings represents a REC because historical discharges through these drains may have affected sediment at the subject property including sediment within the Squam River.
- REC-4 – Oil staining observed in the generator building and around the elevator equipment represents a REC because PCBs were historically added to some lubricating and hydraulic oils and may be present in the affected areas in exceedances of regulatory standards.
- REC-5 – The former use of Shed #1 as a “barrel barn” for drums of petroleum or other chemicals represents a REC because these materials may have spilled through the wood plank floor to the ground surface beneath the shed. Similarly, Shed #1 may have historically been used for the storage of petroleum or hazardous materials that may have been spilled to the ground surface.
- REC-6 – The fill pile observed behind storage Shed #2 with observed building materials represents a REC because the source and content of the fill is unknown, and the fill may contain petroleum, hazardous materials, and/or asbestos.
- REC-7 - The former 6,000-gallon lubricating oil underground storage tank (UST) located to the east of the Scribner Building represents a REC because lubricating oil may have been released from this tank. Although previous investigations concluded that metals and petroleum were not a concern, the previous investigations did not analyze soil beneath the former tank for PCBs which may have been present within the lubricating oil product.
- REC-8 – A known plume of fuel oil contamination on the adjoining property to the west represents a REC because if it continues to migrate as shown it may impact the subject property groundwater in the future. In addition, fuel oil contamination has already been identified in a soil boring on the subject property that is presumably from this release.

Credere did not identify any *de minimis* environmental conditions at the subject property.



The following ASTM Non-Scope considerations (NCs) were also noted during this Phase I ESA:

- NC-1 – Based on the ages of the subject property buildings and observed potential asbestos siding on the generator building and sheds, asbestos-containing materials (ACMs) may be present on the interior and exterior of the buildings.
- NC-2 –Lead-based paint has previously been identified on some painted surfaces within the buildings and there is the potential for additional lead-based paint to be present.
- NC-3 – Based on the ages of the subject property buildings, PCB-containing bulk products (caulking, paint, etc.) may be present on the interior and exterior of the buildings.

To confirm or dismiss the RECs and address the NCs described above, Credere makes the following recommendations for the subject property:

- Phase II ESA activities are recommended to confirm or dismiss the above RECs.
- Asbestos, lead-based paint and PCB-containing building materials surveys should be completed to confirm or dismiss the presence of these materials on the subject property. These surveys will also assist with delineating the extent of any of these previously identified materials within the buildings.
- Universal and hazardous waste surveys should be completed to inventory the wastes which are currently present or may be generated at the subject property during redevelopment.

1. INTRODUCTION

Credere Associates, LLC (Credere) performed a Phase I Environmental Site Assessment (ESA) of a portion of the former L.W. Packard Mill (the subject property) located at 6 Mill Street in Ashland, New Hampshire. The Phase I ESA was completed in conformance with the ASTM International (ASTM) Standard Practice E 1527-05 for Phase I ESAs, which meets the requirements of the U.S. Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI); Final Rule (40 CFR Part 312).

This report was completed on behalf of the Lakes Region Planning Commission of Meredith, New Hampshire as part of their Brownfields Assessment Program. The report was completed by Mr. Judd R. Newcomb, PG, Mr. Jedd Steinglass, and Mr. Richard S. Vandenberg, PG, of Credere. Resumes of Mr. Newcomb, Mr. Steinglass, and Mr. Vandenberg are included in **Appendix A**.

No Phase I ESA can wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* (RECs)¹ in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the property, and this practice recognizes reasonable limits of time and cost. To the extent possible, this Phase I ESA presents a concise summary that qualitatively identifies potential environmental liability and provides Credere's professional opinions relative to the identified RECs so that informed business decisions may be made regarding the subject property. If the findings from this Phase I ESA indicate or reasonably imply that environmentally regulated materials are affecting the subject property, then the need for additional testing to evaluate the scope, location, source, and nature of any release or threat of release is included as a recommendation. In contrast, the Phase I ESA may also conclude that the likelihood of environmental problems is not significant and that there is no evidence of RECs in connection with the subject property. The benefit of the completed Phase I ESA is that any new owner would be eligible for the "bona fide prospective purchaser's" liability protection.

Appendix B contains a detailed description of Credere's Scope of Work for Phase I ESA's, which can be divided into the following broad categories: Records Review; Site Reconnaissance; Interviews; and Reporting. However, the following report is subdivided further so that it conforms to the recommended report format provided in ASTM E 1527-05.

¹ A *Recognized Environmental Condition* - the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, past release, or material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with the law



2. USER PROVIDED INFORMATION

In accordance with ASTM E 1527-05, the *users* of this report were interviewed concerning their responsibilities under ASTM E 1527-05 Chapter 6. The following sections summarize the information that the *users* of this report provided to meet their responsibilities under ASTM E 1527-05.

2.1 REASON FOR PERFORMING PHASE I ESA

The current owner of the subject property, Squam River Hydro, LLC (SRH), has partnered with LRPC to assess the subject property so that SRH can redevelop and revitalize the former mill buildings.

2.2 SPECIALIZED KNOWLEDGE OR EXPERIENCE OF THE USER

Mr. Andrew Lane and Mrs. Christine Lane of SRH reported no specialized knowledge of the subject property for the purpose of identifying RECs.

Mr. and Mrs. Lane do not have experience with real estate transactions involving environmental contamination, are not commercial brokers of real estate or real estate professionals. Mr. and Mrs. Lane reported that they do not have experience acting as secured creditors on commercial real estate. Mr. and Mrs. Lane do not have professional experience in detecting or remediating environmental contamination.

2.3 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Mr. and Mrs. Lane indicated that they are aware of petroleum contamination at the adjoining property to the west. With the exception of the use of the adjoining properties as part of the former L.W. Packard Mill complex, Mr. and Mrs. Lane have no other information that is material to the identification of RECs in connection with the subject property.

2.4 TITLE RECORDS

A comprehensive chain-of-title search was not completed as part of this Phase I ESA. In addition, title records were not provided by the *users*. However, Credere was able to adequately develop a history of the subject property from other historic sources.

2.5 ENVIRONMENTAL LIENS OR ACTIVITY USE LIMITATIONS

A third party, such as a state or federal governmental agency, may place environmental liens on a property in order to recover clean-up costs that were incurred by the party. The existence of a recorded environmental clean-up lien on a property is an indication that environmental conditions either currently exist or previously existed on a property. Activity or land use restrictions for a property may be placed on the property deed to prevent exposure to hazardous

or contaminated materials. The existence of an environmental clean-up lien or activity/land use restrictions could be considered an indicator of potential environmental concerns, and could be a basis for additional environmental investigations on the subject property to determine the potential existence of ongoing or continued releases of hazardous substances or petroleum products.

Mr. and Mrs. Lane reportedly have no knowledge of any environmental liens that may apply to the subject property under federal, tribal, state, or local law, or Activity and Land Use Limitations for the subject property such as institutional controls or engineering controls to limit exposure to hazardous substances or petroleum products. See **Sections 6.5** and **6.6** for records review of environmental liens and institutional or engineering controls associated with the subject property.

2.6 REDUCTION OF VALUATION FOR ENVIRONMENTAL ISSUES

The subject property is currently not for sale; therefore, any reduction in the valuation of the subject property could not be determined.



3. SITE DESCRIPTION

3.1 SITE OWNERSHIP AND LOCATION

Parcel Identification:	Map 17, Block 8, Lot 2
Site Owner(s):	Squam River Hydro, LLC
Site Occupants:	Squam River Hydro, LLC; A.P. Lane & Co., Inc.; White Mountain BJJ & MMA Club LLC, Dollar and More, Central Powder Coating
Date of Ownership:	December 8, 2006 to present
Site Location:	6 Mill Street, Ashland, New Hampshire
Zoning:	Industrial-Commercial (IC)
County:	Grafton
USGS Quadrangle:	Ashland, New Hampshire 7.5 Minute Quadrangle
Latitude and Longitude:	43.693783 Lat., -71.631274 Long.
NAICS Code (former use):	2231 Broadwoven Fabric Mills, Wool (Including Dyeing and Finishing)

3.2 SITE DESCRIPTION AND OPERATIONS

The subject property is composed of a single 2.12-acre parcel of land located at 6 Mill Street in Ashland, New Hampshire that is situated directly adjacent to the Squam River. The subject property is part of the larger former L.W. Packard Mill complex that operated as a woolen mill. The subject property consists of primarily paved parking and driveway areas, and portions of the former mill complex including the Scribner Building (**Picture 1**), generator building (**Picture 2**), warehouse building (**Picture 3**), and two separate sheds (**Pictures 4 and 5**). These structures are depicted on **Figures 2**. Other buildings associated with the former mill complex adjoin or are adjacent to the subject property and are not the subject of this ESA.

The mill was built on the Squam River in 1840 by Briggs Brothers of Leeds, England. The mill ran sporadically for 76 years. In 1916, Mr. Luther Packard purchased the mill. Over the years, the mill buildings were renovated or added to as the needs of the mill grew. Based on Town of Ashland records, portions of the subject property buildings were constructed circa 1840 (6 Mill Street warehouse entrance), 1880 (Scribner Building), 1888 (generator building/former machine shop and part of the warehouse), 1950 (warehouse expansion), 1956 (shipping area and loading dock), 1986 (warehouse expansion), and 1989 (warehouse and storage area connection). The generator building (formerly the L.W. Packard maintenance building) currently houses a hydroelectric generator that was installed in 1930.

The former mill produced woolen cloth of many different weights and finishes from wool, cashmere, camel hair, alpaca, angora, and blends of these materials. Operations performed in the subject property portions of the mill complex included storage, office/administration, shipping/receiving, finishing, waste wool collection, maintenance/machining, steam heat



generation, and electricity generation. The two sheds on the northwestern portion of the subject property were used for cold storage of equipment and for drum storage.

The majority of the mill closed in 1999 when the L.W. Packard Mill manufacturing operations were moved to China and the mill complex was subdivided and sold. The buildings have been mostly underutilized/vacant since then. Portions of the subject property buildings are currently used for storage, an accounting office, a martial arts training center, a retail merchandise store (“Dollar and More”), a metal fabrication shop, a metal powder coating company, and electricity generation. The remaining portions of the buildings are vacant.

Figure 1 locates the subject property on the Ashland, New Hampshire 7.5 minute quadrangle prepared by the United States Geological Survey (USGS).

3.3 SITE UTILITIES

Potable water is provided to the subject property by the Town of Ashland Water and Sewer Department. According to the Department, all properties in the vicinity of the subject property are served by the public water supply.

Wastewater from the subject property is discharged to the municipal wastewater treatment plant.

Electricity is available to the subject property from Ashland Electric. Tenants of the building are responsible for their own heating systems. Two sections of the warehouse building are heated with electric and/or propane-fired heating systems. The Scribner building is currently heated with propane. The generator building is currently not heated. According to Ms. Lane, there are no fuel oil-fired heating systems located on the subject property.

3.4 SURFACE WATER

The Squam River flows south beneath the warehouse building where a small dam and penstock are located. These structures provide water to the hydroelectric facility in the generator building (**Figure 2**). The generator building and Scribner building are located along the east bank of the river. The Squam River continues south through Ashland then turns westward and merges with the Pemigewasset River.

3.5 TOPOGRAPHY AND DRAINAGE

Based upon a review of the 2005 Ashland, New Hampshire 7.5 minute Quadrangle (**Figure 1**), the subject property is located approximately 550-feet above mean sea level (MSL). Topography at the subject property generally slopes to the south or southwest along the Squam River. Regional topography is mountainous with drainage converging in Ashland from the north, east, and south, then flowing west to the Pemigewasset River.

3.6 GEOLOGICAL CHARACTERISTICS

3.6.1 Surficial Geology

According to the *Geohydrology, Yield, and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central New Hampshire*, United States Geological Survey (USGS), Water-Resources Investigations Report 94-4083, by John E. Cotton and Joseph R. Olimpio (1996), the surficial geology at the subject property consists of glacial till over bedrock. However, soil boring data contained in the reports prepared by ARC Environmental Consultants, Inc. (ARC) that were reviewed as a part of this Phase I ESA indicate that soil beneath the subject property consists of a mixture of sand and gravel fill material with lenses of coal and ash, and sandy fines near the bedrock surface. This suggests that native soil beneath the subject property is stratified drift similar to that mapped to the south of the subject property in the USGS report.

3.6.2 Bedrock Geology

According to the *Bedrock Geologic Map of New Hampshire* compiled by the USGS, the subject property is underlain by the Kinsman Granodiorite, also known as the Kinsman Quartz Monzonite. This formation is early Devonian in age and has been described as foliated granite, granodiorite, tonalite, and minor quartz diorite with large potassium-feldspar megacrysts.

3.6.3 Groundwater Characteristics

Localized topography slopes towards the Squam River in the immediate vicinity of the river, and generally slopes southwest toward the Pemigewasset River in other areas. ARC has determined that groundwater flow direction in the western portion of the subject property flows east toward the Squam River (**Figure 2**). Groundwater in the eastern portion of the subject property likely flows west toward the Squam River. It should be noted that local groundwater flow may be highly varied due to precipitation events, stormwater runoff, infiltration/recharge, the presence of subsurface structures and utilities, and varying subsurface hydrogeologic conditions.

According to the *Geohydrology, Yield, and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central New Hampshire*, the subject property is located north of a stratified drift aquifer that is mapped as having an approximate transmissivity of 2,000 to 4,000 feet squared per day. Because the Squam River flows through the subject property and beneath the mill building, the depth to groundwater on the subject property is likely highly varied based on seasonal fluctuations in precipitation and water level within the river.



4. SUMMARY OF PRIOR ENVIRONMENTAL DOCUMENTS

During interviews and the review of historical documentation, seven (7) pertinent previous environmental investigation documents were identified that pertain to the subject property parcel and buildings. These documents are included in **Appendix D**. It should be noted that many other documents concerning the other sections of the former L.W. Packard Mill complex adjacent to or adjoining the subject property were identified and are discussed, as necessary, in **Section 6**.

L.W. Packard Mill Documents of Concern

Phase I ESA – March 4, 2005

On March 4, 2005, ARC completed a Phase I ESA for the entire former L.W. Packard Mill complex to provide the owner, Mr. John Glidden, with a summary of potential environmental issues that would need to be resolved prior to redevelopment of the mill complex. The report discussed releases of petroleum from underground storage tanks (USTs) on the parcels adjoining the subject property and environmental compliance of the mill buildings, as well as soil and sediment sampling performed by ARC in 2004. Three of the soil borings (borings B-3, B-4 and B-12) appeared to have been performed on the subject property. The report noted that a sample from soil boring B-12 was submitted for laboratory analysis of total petroleum hydrocarbons (TPH) and the results were above the applicable New Hampshire Department of Environmental Services (NHDES) standards. The report did not identify any RECs specific to the subject property, but identified fuel oil contamination from a release on the adjoining west property as a concern. Due to the ages of the subject property buildings, ARC indicated that there is the potential for asbestos to be present in the buildings.

Soil Sampling and Analysis Report – March 15, 2005

On March 15, 2005, ARC completed a Soil Sampling and Analysis Report for the entire former L.W. Packard Mill complex, which included the subject property. This report consisted of a summary of soil sampling work and laboratory analysis results for samples collected in the vicinity of USTs at the former L.W. Packard Mill complex in 2004. The report discussed two (2) 20,000-gallon USTs and one (1) 40,000-gallon No. 6 fuel oil UST that were located off-site on the adjoining west property, as well as one (1) 6,000-gallon mineral oil UST that was located on the subject property to the east of the Scribner Building (**Figure 2**).

According to the report, the mineral oil UST was removed in 1992, no visual evidence of contamination was observed around the tank, and the tank appeared in good condition when removed. Backup documentation (included in Appendix B of ARC's report) included a passing tank tightness test report from 1989, a materials safety data sheet (MSDS) of the oil stored within the tank (a proprietary blend of mineral oil), and a memorandum documenting that the tank was intact upon removal. ARC performed a soil boring in the former UST location (soil boring B-2 depicted on **Figure 2**) on April 6, 2004. Photoionization detector (PID) field screening of two



soil samples collected from the boring indicated that volatile organic compounds (VOCs) were not present in soil at this location. ARC did not submit any soil samples for laboratory analysis because no visual or field screening evidence of contamination was noted in this boring.

NHDES Response Letter to Soil Sampling and Analysis Report – May 6, 2005

On May 6, 2005, the NHDES issued a response letter to ARCs March 15, 2005, Soil Sampling and Analysis Report. The letter noted that the locations of many samples were not depicted in the report figures, and that the rationale for sample locations, depths, and the analytical program were not defined to allow the NHDES to evaluate whether the investigation adequately characterized the site. The NHDES requested that L.W. Packard address the report deficiencies and perform additional investigation to assess the distribution of contaminants in surface soil across the site, assess all past and present potential sources of contamination at the site, and assess groundwater quality downgradient of all past and present contaminant sources at the site.

Soil and Groundwater Sampling and Analysis Report – October 3, 2006

On October 3, 2006, ARC completed a Soil and Groundwater Sampling and Analysis Report for the former L.W. Packard Mill complex to document investigation activities in the vicinity of the generator building and the Scribner Building. ARC completed three soil borings (B-2 through B-3) as monitoring wells MW-2 through MW-3 (**Figure 2**) in this area and submitted soil and groundwater samples for laboratory analysis of metals and petroleum related compounds. Note that ARC completed several investigations at the L.W. Packard Mill complex that did not use unique location designations (i.e. there are multiple borings denoted as B-2). The year each of the borings was installed is denoted on **Figure 2**. Based on the results, ARC concluded that there were no impacts to soil or groundwater in the area that was indicative of a release from the former 6,000-gallon mineral oil UST or other sources associated with the buildings. ARC also submitted a sample from soil boring location B-4 (east of the generator building) for laboratory analysis of PCBs. Analytical results indicated that PCBs were not present in the area. However, it should be noted that the soil boring was not performed within the transformer yard where a source of PCBs would be expected.

Groundwater Management Zone Delineation Report – July 16, 2007

On July 16, 2007, ARC completed a Groundwater Management Zone (GMZ) Delineation Report for the L.W. Packard fuel oil release on the adjoining west property. Reportedly, during removal of the two (2) 20,000-gallon No. 6 fuel oil USTs, free product was observed on soil and groundwater around the tanks. ARC completed several soil borings and monitoring wells in the vicinity of the release area, including MW-6 located on the subject property (**Figure 2**), and submitted soil and groundwater samples for laboratory analysis. Based on the investigation results, ARC concluded that contamination was present in the vicinity of the former tanks and that the overburden and bedrock aquifer had been impacted. Free product was also observed beneath the floor of the boiler room in monitoring well OW-1 (**Figure 2**) which is within 15 feet of the subject property. Although the downgradient extent of free product had not been defined,



ARC concluded that groundwater beneath the subject property had not been impacted and proposed that the GMZ only included the adjoining west property.

NHDES Response Letter to GMZ Delineation Report – August 14, 2007

On August 14, 2007, the NHDES issued a response letter to ARCs July 16, 2007, GMZ Delineation Report. The NHDES determined that ARCs delineation was adequate to define the GMZ for the fuel oil release area and required that a Groundwater Management Permit Application be prepared by L.W. Packard.

Subject Property-Specific Documents

Lead Determination Report – September 12, 2006

On September 12, 2006, LeadTech, Inc. performed a lead-based paint determination of the subject property building for the current owner. The report did not contain a narrative but contained checklists with the surfaces screened and the concentration of lead detected. Based on the results listed in the report, variable concentrations of lead are present in some painted surfaces within the building that would require abatement if the building were to be used for residential purposes and would require construction worker notification during redevelopment of the subject property.



5. SITE RECONNAISSANCE

On November 10, 2010, Credere representatives Mr. Judd Newcomb, CG and Mr. Jedd Steinglass conducted reconnaissance to determine the physical characteristics of the subject property and the potential presence of RECs. Access to the subject property was provided by Ms. Christine Lane of SRH and Mr. George Russell, the facility manager. Pursuant to ASTM E 1527-05 Chapter 12.3, resumes for Mr. Newcomb and Mr. Steinglass are attached as **Appendix A** to demonstrate their qualifications to perform this work. **Appendix C** contains photographs taken during the reconnaissance. **Figure 2** is a site plan based on observations made during Credere's reconnaissance and subject property records.

5.1 GENERAL SITE SETTING

5.1.1 Current Use of the Subject Property

The subject property is currently used for storage, an accountant's office, martial arts training center, retail merchandise storage ("Dollar and More"), metal powder coating, and for hydroelectric power generation.

5.1.2 Current Uses of Adjoining Properties

The subject property is located in a mixed residential, commercial, and industrial use area of Ashland. Adjoining properties include the following:

- North:* The subject property is adjoined to the north by several residential properties (upgradient), beyond which is Main Street.
- East:* The subject property is adjoined to the east by Mill Street, across which is the Town of Ashland Fire Department (upgradient to cross-gradient).
- South:* The subject property is adjoined to the south by other portions of the former L.W. Packard Mill complex that are occupied by commercial and light industrial companies including the administrative and sales office of the existing L.W. Packard & Co., Inc. textile business (downgradient).
- West:* The subject property is adjoined to the west by vacant portions of the former L.W. Packard Mill complex, several residential properties, and an American Legion hall (upgradient and cross-gradient).

References to upgradient, downgradient, and cross-gradient indicate the perceived location of these features relative to the direction of shallow groundwater flow at the subject property, which has been inferred to flow in a southwesterly direction.

5.2 EXTERIOR OBSERVATIONS

The exterior of the subject property was observed by walking the perimeter of the subject property, by observing the subject property from Mill Street, Hill Street (**Picture 6**), and Mechanic Street, from the northern exterior walkway of the warehouse building, and by walking the perimeter of the storage sheds. No other accessible exterior areas are present on the subject property.

The majority of the exterior portions of the subject property are paved roadways or parking areas. Limited grassy or landscaped areas are present along the Squam River banks, around the storage sheds, and east of the Scribner and generator buildings (**Picture 7**).

No evidence of petroleum or hazardous materials storage was observed in exterior portions of the subject property; however, evidence of former USTs, a 275-gallon kerosene aboveground storage tank (AST), and monitoring wells associated with a petroleum release (discussed in **Section 6**) were observed on the adjoining west property.

A small fill pile was observed west of Shed #2 (**Picture 8**) that included asphalt shingles and what appeared to be hardened roofing tar. Ms. Lane and Mr. Russell were unsure of when the material was placed there or where it had come from. The area beneath the sheds was open and appeared to be sand and gravel fill material. No evidence of extraneous fill materials was observed beneath the sheds. Mr. Russell noted that Shed #1 had been used as a “barrel barn” by the former L.W. Packard Mill. According to Mr. Russell, primarily empty drums of lubricating oil had been stored there until they could be picked up; however, drums containing petroleum may have been stored there from time to time as overflow storage. Due to the wood plank floor, it was noted that if spills had occurred in the shed the material would have leaked directly onto the ground beneath the shed. However, no evidence of releases (e.g. staining) was observed beneath the sheds.

Two (2) pad mounted electrical transformers (**Pictures 2 and 9**) were observed outside. One was adjacent to the south end of the warehouse and the other was noted adjacent to the northern end of the Scribner building (see **Section 5.5**). No surficial visual evidence of leaks or spills was observed around these transformers.

Potential asbestos siding was observed on the generator building and adjoining off-site buildings (**Picture 6**). The siding appeared to be in good condition and no siding was observed on the ground in the vicinity of the building. A similar siding material was also observed on the two storage sheds (**Pictures 4 and 5**). Some of the siding material on the sheds was missing or broken; however, no debris was observed on the ground.

Evidence of the following was not observed on the subject property during the exterior reconnaissance:

- Strong, pungent, or noxious odors

- Pools of liquid
- Drums or other containers of unknown or hazardous substances, or petroleum products
- Evidence of drywells, pits, ponds, or lagoons
- Stressed vegetation

5.3 INTERIOR OBSERVATIONS

With the exception of the basement transformer room, all accessible interior spaces of the warehouse building, the generator building, and the Scribner Building were accessed during the reconnaissance. As noted in **Section 5.6**, because the keys could not be located during the site reconnaissance, the storage sheds could not be accessed. In general, painted surfaces throughout the subject property buildings vary in type, color, age, and repair. Peeling or chipping paint was observed in some unoccupied areas of the buildings. Most of the interior areas are lit with fluorescent lighting fixtures of various apparent ages.

Warehouse Building

The warehouse building consists of several small building additions or expansions that were added or connected over the history of the mill complex. The construction of each area of the building differs and ranges from modern steel construction, to historical brick and wooden beam construction. The ground floor of each section of the building has a concrete floor with the center of the building situated over the Squam River. Basement areas also have concrete floors. A dam is located beneath the northern portion of the building that provides water to a penstock and the turbine located in the generator building. Basement areas are located beneath the southern and western portions of the building. Floor drains of various types and sizes were observed throughout the building. According to Mr. Russell, the drains historically discharged directly to the Squam River, but were re-routed to the municipal sewer. No obvious evidence of staining was observed around any of the floor drains during the reconnaissance.

The northeast portion of the building is in use as a metal fabrication shop and has a loading dock (**Picture 10**). A small sump was observed in this area that according to Mr. Russell was for condensate of the former steam heating system (**Picture 11**). With the exception of consumable quantities of cutting oil and paints (one-gallon or smaller, spray cans, etc.), no petroleum or hazardous materials were observed in the metal shop.

The northwest portion of the building is currently used by Central Powder Coating. Half of the area has been partitioned into a workshop with a paint booth (**Picture 12**), drying booth (**Picture 13**), and sandblasting equipment. The remaining area is used for cold storage. Paints and thinners were observed throughout the area but were well organized. No evidence of leaks or spills was observed in the area. A small transformer room is located to the west of the workshop that contained one large pad mounted transformer (**Picture 14** and discussed in **Section 5.5**). Due to dirt and rainwater infiltration, the concrete floor of this area was obscured from view.

The central portion of the building is currently storefront retail storefront for the “Dollar and More” store.

The southwestern portion of the building is also currently vacant. This area is three stories with the upper two stories unoccupied and generally empty. The ground floor is currently used for cold storage of building supplies for renovations including doors, fluorescent lighting fixtures, insulation, and wood. A small room is located above the stairwell of this area of the building where former elevator hoist equipment was located. The equipment included an electric motor and pulley system that was covered in black grease/oil (**Picture 15**). Some grease/oil had stained the floor planks in the vicinity of the equipment.

The southeastern portion of the building is currently used by the subject property owners as an accounting office and by Mr. Russell as a retail location for the sale and repair of wood stoves. No visual evidence of bulk storage or a significant release of oil and/or hazardous materials was noted within this area.

The southern portion of the building is currently vacant and empty. The southern basement area contains abandoned office equipment and supplies that were used by the L.W. Packard Mill. Some of the basement areas were organized as electrical, plumbing, and mechanical parts storage. Two (2) stained concrete pads were observed outside the electric parts storage room that may have been transformer pads (**Picture 16**). A former elevator shaft pit was observed in the parts storage area. Some black staining was observed on the concrete wall and base of the pit (**Picture 17**); however, the type and source of the staining could not be determined. A small room is located inside the southern entrance to the basement that contained various well organized small quantities of cleaners, paints, and safety equipment. No evidence of leaks or spills of these materials was observed in this area. No other visual surficial evidence of bulk storage or a significant release of oil and/or hazardous materials was noted in these basement areas.

The westernmost portion of the building is a former bag room for waste wool products, and formerly housed a boiler. Petroleum storage for this boiler was located on the adjoining west property, which is not included within the current subject property boundary or scope of this Phase I ESA. Some floor staining was observed throughout the room, but appeared to be the result of small spills over time. Mr. Russell indicated that during the mill’s operation, small spills would have likely occurred from time to time but would have been immediately cleaned up by the L.W. Packard response team. A small concrete pad was observed along the north wall of this room (**Figure 2**) that may have been a transformer pad (**Picture 18**). Oil staining was observed on and around the pad. A hydraulic scissor lift is located outside the bag room to raise equipment from a ramp to the level concrete floor. The lift appeared well maintained and no evidence of leaks or spills was observed around the lift.

Generator Building

The generator building consists of a small metal working shop, a general work area, a turbine control room, a mezzanine, and a basement with a transformer room. The mezzanine was empty during the reconnaissance.

The metal workshop contained metalworking equipment, tools, and supplies. One (1) 55-gallon drum of lubricating oil was observed in the room. Oil staining was observed on the floor around a cutting/threading machine (**Picture 19**), but the floor appeared intact and there is likely no migration pathway to the environment in this location. No other significant staining was observed in the room.

The general work area contained tools, small parts, and furniture. The southeast corner of the work area was used for storage of lubricating oil formerly used by the mill, and hydraulic oil used in turbine maintenance. Four (4) 61-gallon oil totes were located on a rack in this area which had a distribution system and drip pan. Two (2) 55-gallon drums of hydraulic oil with hand pumps were also present in this area. The concrete floor around the dispensing system was stained, but the floor appeared intact and there is likely no migration pathway to the environment in this location (**Picture 20**). Six (6) waste fluorescent lighting ballasts were observed in a pile in the work area. The ballasts were not labeled “non-PCB”; therefore, likely contain PCBs. (**Picture 21**). Intact and in-use fluorescent lighting fixtures are discussed as an ASTM non-scope consideration in **Section 9.4**.

The basement of the generator building contains the base of the turbine. It should be noted that the concrete floor of the basement was covered in soil and water and was not visible during our reconnaissance. Mr. Russell reported that three (3) large active and/or out-of-service transformers were located in the transformer room. Due to electrical hazard safety concerns, the transformer room was not entered during the reconnaissance.

Scribner Building

The Scribner Building is a three floor brick and wood building. The ground floor is completely full of household goods that are being stored for sale at flea markets. The second floor is partially full of clothing being sorted for sale at flea markets. The third floor is currently empty.

No visual surficial evidence of bulk storage or a significant release of oil and/or hazardous materials was noted within interior portions of the Scribner Building.

5.4 EVIDENCE OF UNDERGROUND AND ABOVEGROUND STORAGE TANKS

No evidence of USTs or ASTs was observed within the limits of the subject property during Credere’s reconnaissance.

The west adjoining property is known to have a closed-in-place 40,000-gallon bunker fuel oil tank that is part of the subject of the ongoing monitoring and remediation discussed in **Section 6**.



One (1) 275-gallon kerosene AST was observed to the southwest of the former boiler house on the adjoining west property. This AST is known to service the backup generator located in the former boiler house building. A large steel AST is located in a shelter to the west of the former boiler house. According to Mr. Russell, the AST is a water tank that is used as part of the operation of the existing boiler on the adjoining west property. No other evidence of USTs or ASTs was observed on adjoining properties during Credere's reconnaissance.

5.5 PCB-CONTAINING ELECTRICAL AND HYDRAULIC EQUIPMENT

ASTM Standards for Phase I ESAs specifically exclude fluorescent lighting fixtures that may contain PCBs from electrical equipment unless they are observed in waste form. Multiple used out-of service fluorescent light fixtures with ballasts were observed within the warehouse building. These fixtures may be reused during redevelopment of the subject property but would be considered in waste form if not reused. Fluorescent lighting fixtures that were not in waste form were also observed on the interior of the subject property and are discussed as a non-scope consideration in **Section 9.4**.

Three (3) pad-mounted transformers were observed at the subject property during the reconnaissance. One was located in the fenced transformer area outside the generator building (**Figure 2**), one was located outside the southeast corner of the warehouse building, and one was located in a small room in the northwest area occupied by Central Powder Coating. Three (3) pad mounted transformers were also reported in the basement transformer room of the generator building; this room could not be entered during the site reconnaissance. A label on the interior transformer observed in the warehouse building indicated that they had been certified as currently containing non-PCB dielectric fluid (less than 50 parts per million) Ms. Land and Mr. Russell reported that the transformers in the generator building were also non-PCB. The two exterior transformers were not labeled regarding PCBs. No obvious evidence of spills or leaks was noted around the observed transformers. It should be noted that that concrete floor of the transformer room located in the Central Powder Coating area of the warehouse building was covered in dirt and was wet due to rainwater infiltration; therefore, the presence of staining could not be determined in this area. In addition, though certain transformers are labeled as currently containing non-PCB dielectric fluid, no original manufacturer's information was available and these pieces of equipment may have at one time been PCB-containing transformers.

An electric-hydraulic lift that is currently in use is located in the former elevator shaft in the southwest portion of the warehouse building. Some hydraulic oils have historically been identified to contain PCBs. The lift appeared well maintained and no evidence of leaks or spills of hydraulic fluid was observed around the lift.

The electric turbine uses hydraulic oil in its operation. Although current oils are non-PCB, this turbine was installed in the 1930s and PCB-containing oil may have been used in the past.

Six (6) potential PCB-containing waste fluorescent lighting ballasts were observed in the generator building. The ballasts appeared to be intact.

A significant amount of electrical components were noted in the basement of the warehouse building that were formerly used for building and machinery maintenance. No obvious oil-containing components were observed; however, PCB-containing components may be present.

No other evidence of the use of PCB-containing electrical or hydraulic equipment was identified during the subject property reconnaissance.

5.6 SITE RECONNAISSANCE LIMITATIONS

The ASTM Standards for Phase I ESAs require the identification of limitations that were encountered that may affect the ability to identify potential environmental conditions on the property, and to provide an opinion as to the significance of the limitation with regard to the ability to identify potential environmental conditions.

1. Credere could not enter Shed #1 or Shed#2 because the buildings were locked and the keys were not available during the reconnaissance visit. The lack of access to these buildings represents a limitation that may have prevented Credere from identifying RECs in connection with this area of the subject property. It is Credere's opinion that one REC exists in connection with these buildings related to the use of Shed #1 for drum storage, but the lack of reconnaissance in this area of the subject property has affected our ability to identify evidence of others.
2. The concrete floor of transformer room in the northwest portion of the warehouse building could not be observed due the presence of dirt and water on the floor. While this area of the building has contained and/or contains transformer(s) that may have contained PCB-containing oils, which represents a REC, our ability to identify evidence of others may have been impeded by the dirt and water on the floor.
3. Credere chose not enter a transformer room in the basement of the building to inspect the room and its transformers because active electricity generation presented safety concerns. In addition, due to dirt and water in the basement of the generator building, the concrete floor could not be observed for evidence of potential leaks of fluid from the transformer or hydraulic fluid from the turbine control system which is located on the first floor. According to Mr. Russell, the transformer room contains three (3) large transformers that may have contained PCBs; therefore, it is Credere's opinion that a potential REC has been identified in this area; however, our ability to identify evidence of others may have been impeded by the dirt and water on the floor.
4. The ground floor of the Scribner Building was completely full of miscellaneous goods stored for a flea market; therefore, the area could not be fully examined for evidence of potential RECs. Based on our understanding of the historical use of this building for storage, it is Credere's opinion that this limitation has not affected the identification of potential RECs at the subject property.



6. SUBJECT PROPERTY AND AREA RECORDS REVIEW

Files at the Ashland Town Hall, the New Hampshire Department of Environmental Services (NHDES), and the United States Environmental Protection Agency (EPA) Region 1 were reviewed to obtain information concerning incidents involving releases of petroleum or hazardous materials and to identify potential RECs in connection with the subject property. In addition, an Environmental FirstSearch[®] database search was conducted on October 28, 2010, and is included as **Appendix E**. This research should not be considered inclusive of all regulatory records, but only those records that were publicly available, practically reviewable, and reasonably ascertained.

6.1 HISTORICAL USE RECORDS

ASTM standards for Phase I ESAs require that standard historical records be searched for information on a property dating back to the property's earliest development or 1940, whichever is earliest, based on available documentation. The historical use of the subject property has been confirmed from standard historical records to have been used for woolen or other textile manufacturing since at least 1892. Anecdotal accounts and information (**Appendix F**) provided by the former owner, Mr. John Glidden, indicated that a woolen mill had first been constructed at the subject property in 1840. Historic maps indicate the mill complex area had been developed over time and several buildings were consolidated, connected, added to, or renovated. Past industrial uses of the subject and adjacent properties included textile manufacturing, leather board manufacturing, a box shop, a machine shop, and electricity generation.

Specific descriptions of the historical records that were reviewed for the subject property are presented below.

Historical USGS Maps

Historical USGS maps dated 1925, 1927, 1927 revised to 1956, 1987, and 2000 provided by FirstSearch[®] were reviewed relative to the subject property and surrounding area. The maps are located within the FirstSearch[®] report included in **Appendix E**. The land uses and any evidence of RECs in these maps are summarized below:

Historical USGS Map (Year)	Land Use	Evidence of RECs and/or Bulk Storage or Release of Petroleum Products or Hazardous Substances
1925	No specific land use was noted on any of the maps. The subject property appears as large buildings in the center of Ashland, which were enlarged considerably from the 1956 to 1987 maps.	None; however, large buildings would indicate potential industrial use.
1927		
1927 revised to 1956		
1987		
2000		

Aerial Photographs

Historical aerial photographs of the subject property and surrounding area dated 1956, 1981, 1998, and 2009 were reviewed relative to the subject property. Copies of these historic aerial photographs are located within the FirstSearch[®] report included in **Appendix E**.

Aerial Photo (Year)	Land Use	Evidence of RECs and/or Bulk Storage or Release of Petroleum Products or Hazardous Substances
1956	The photograph depicts large mill buildings.	None; however, large buildings would indicate potential industrial use.
1981	Each of these photographs depict the former L.W. Packard Mill complex with its current configuration.	
1998		
2009		

Ownership Records

Ownership records were examined at the Town of Ashland Tax Assessor's Office and online at the Grafton County Registry of Deeds. The property records indicate the subject property and adjoining properties have had industrial uses since at least 1916. Available ownership history of the subject property is summarized below:

Owner	Date Acquired
Squam River Hydro, LLC	December 8, 2006
L.W. Packard Co., Inc. (acquired two parcels from same grantor)	August 5, 1918 and April 12, 1916
Ashland Knitting, Co.	Prior deeds not available on-line.

City Directories

City directories dated 1992, 1995, 2000, 2004, and 2007 were available for the subject property and surrounding area. Variations of L.W. Packard Co., Inc. were listed at the subject property in each directory. Additional tenants including Taylor Made Graphics and Advanced Automated Design, Inc. were also listed at the subject property. It should be noted that the city directories do not differentiate between the entire former L.W. Packard Mill complex and the subject property. No properties of concern were noted in the directories at upper or lower addresses. A table summarizing the City Directories and address listings is included within the FirstSearch[®] report included in **Appendix E**.

Sanborn Fire Insurance Maps

Historical Sanborn Fire Insurance Maps dated 1892, 1897, 1902, 1912, 1923, 1929, and 1946 were available and reviewed relative to the subject property and surrounding area.



Copies of these maps are located within the FirstSearch[®] report included in **Appendix E**. The land use and any evidence of RECs in these maps are summarized below:

Map Year	Subject Property Land Use	Adjoining Property Land Use	Evidence of RECs and/or Bulk Storage or Release of Petroleum Products or Hazardous Substances
1892	In use as a woolen mill and box shop. The mill is listed as being powered by a water wheel and heated with wood. The Scribner building is present and listed as unused.	Adjoining properties are in use as textile manufacturing, dwellings and storage.	Industrial use as a woolen mill and electricity generation.
1897	In use as a woolen mill and leather board factory. The woolen mill is listed as being powered by a water wheel and heated with coal. The leather board factory is listed as powered by a water wheel and heated with kerosene. The Scribner building is in use for packaging.		Industrial use as a woolen mill, leather board factory, electricity generation, and kerosene storage.
1902	Buildings have been expanded and entire property in use as a woolen mill. The buildings are listed as powered by a water wheel and heated with coal. The Scribner Building is in use as storage.	Adjoining properties are in use as textile manufacturing, dwellings, storage, machine shop, steam laundry, and coal storage.	Industrial use as a woolen mill with electricity generation. Bulk storage and use of coal.
1912			
1923			
1929			
1946	Adjoining mills have been consolidated into L.W. Packard Mill complex and remain in use for textile manufacturing. The buildings are listed as powered by a water wheel and heated with coal and oil. The Scribner Building is in use as storage.	Adjoining properties are in use as textile manufacturing, dwellings, storage, fire department, and grange.	Industrial use as a woolen mill with electricity generation and fuel oil storage. Bulk storage and use of coal.

6.2 DATA FAILURE

Data failure is defined as a failure to achieve the historical research objectives of ASTM E 1527-05 even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful dating back to the subject property's earliest development or 1940, whichever is earliest. Data failure has occurred during this Phase I ESA because standard historical documents are not available that define the subject property's earliest development or historic uses in 5-year intervals.

6.3 STATE ENVIRONMENTAL REVIEW

Credere performed an environmental FirstSearch[®] database search for the subject property and surrounding area. The NHDES also maintains an online 'OneStop' Environmental Site

Information database, which includes information for USTs, ASTs, solid waste facilities, inactive asbestos disposal sites, hazardous waste generators, uncontrolled hazardous waste sites and remedial programs, brownfields sites, and remediation and initial response spill sites. Credere cross-referenced database information to confirm the accuracy of the FirstSearch[®] report and used the FirstSearch[®] report as a basis for more in-depth research in the OneStop database. Credere also contacted Ms. Elizabeth Knowland at the NHDES file room to determine if any paper files were available at the NHDES that were not available through the OneStop database. Ms. Knowland indicated that all NHDES files were scanned except the NHDES hazardous waste generator file, which Credere reviewed at the NHDES file room on November 30, 2010. The following sections provide the pertinent results of the FirstSearch[®] and OneStop database searches, and the paper file reviews for the subject property.

Site Remediation and Initial Response Spill Sites

The NHDES maintains a list of all petroleum and hazardous material remediation and initial response spill sites. The subject property is not listed as an initial response site.

The former L.W. Packard Mill is listed as an initial response site for a spill of 50-gallons of No. 6 heating oil that occurred on June 2, 2000, during filling of the fuel oil tanks in the oil storage building on the adjoining west property. This spill did not occur within the subject property limits, was contained within the concrete containment structure, and was immediately cleaned by the L.W. Packard response team; therefore, would not have affected the subject property.

Underground or Aboveground Storage Tanks Listing

The NHDES data indicates that three (3) USTs were formerly registered to the former L.W. Packard Mill (facility ID # 0112818), a 6,000-gallon UST mineral oil UST and two (2) 20,000-gallon No. 6 heating oil USTs.

The 6,000-gallon mineral oil UST was formerly located on the subject property and situated east of the Scribner Building. A memorandum was sent to the NHDES documenting the tank removal, which occurred on June 22, 1992. ARC's reports, which are discussed in **Section 4**, provide sampling information and observations regarding this tank. ARC noted that no visual, field screening, or laboratory evidence of contamination was observed during tank removal or subsequent soil borings (**Figure 2**). It should be noted that the samples were not analyzed the soil samples collected from this location for PCB analysis and PCBs are known to historically have been added to some mineral/lubricating oils.

The two (2) 20,000-gallon No. 6 heating oil USTs were removed from a portion of the L.W. Packard Mill, which is not part of the subject property, on December 21, 1988. These tanks are known to have been located on the adjoining west property to the west of the boiler house. These tanks are also known to have leaked and contamination from these tanks is currently being monitored under NHDES groundwater permit No. GWP-200009045-A-001. Free floating product is known to be present on the groundwater table as a result of the

release from these tanks, and contaminated groundwater may flow beneath the subject property buildings located on the west bank of the Squam River.

According to the listing, two (2) 20,000-gallon ASTs were also registered to the L.W. Packard Mill and are known to have been located within the former oil storage building located on the adjoining west property (**Figure 2**). The tanks were permanently taken out of service in 2005 and 2007. No releases to the environment are known to have occurred from the tanks.

State Brownfields Program

Brownfields sites are defined under the federal Brownfields law, known as the Brownfields Revitalization Act of 2002, as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant." The law further defines the term to include a site that is: "contaminated by a controlled substance; contaminated by petroleum or a petroleum product excluded from the definition of 'hazardous substance'; or mine-scarred land."

The NHDES has several Brownfields initiatives including the NH Brownfields Covenant Program, the NH Brownfields Assessment Program, and the NH Brownfields Cleanup Revolving Loan Fund.

Under these three programs, the NHDES maintains lists of active Brownfields sites, closed Brownfields sites, and sites participating in the Brownfields Covenant Program. According to information obtained from the NHDES Brownfields Program website, "active" Brownfields sites are listed in the contaminated sites inventory because they meet the definition of a Brownfields site under the federal Brownfields Revitalization Act of 2002. In addition, some sites included on the active list have entered the program by being assessed through participation in one of the many other EPA-funded Brownfields programs throughout New Hampshire. Sites denoted as "active" are not yet cleaned up to NHDES satisfaction. Closed Brownfields sites are sites listed in the contaminated sites inventory because they have been cleaned up and brought to resolution under the site cleanup program and have participated in one or more NHDES Brownfields initiatives, or generally meet the definition of a Brownfields site. Sites participating in the Brownfields Covenant program are seeking covenants "not-to-sue" from the State of New Hampshire.

This Phase I ESA is currently being completed as part of the LRPC's Brownfields Program and is currently listed on the NHDES lists as an active Brownfields site. According to the NHDES lists of Brownfields sites and the FirstSearch[®] report, no other Brownfields sites or Brownfields Covenant sites are located within a 0.5 mile minimum search distance of the subject property.



Solid Waste Facilities

According to the NHDES OneStop database, the subject property is not listed as a solid waste facility. No solid waste facilities are located within a 0.5-mile minimum search distance of the subject property.

6.4 FEDERAL ENVIRONMENTAL REVIEW

The EPA maintains a number of databases that track properties and facilities that are regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Resource Conservation and Recovery Act (RCRA), the Emergency Response Notification System (ERNS), and the Federal Institutional Control/Engineering Control (IC/EC) database.

CERCLA Sites

CERCLA is a federally established program that created a fund to identify hazardous waste sites for remediation. The fund is known as Superfund. The Comprehensive Environmental Response, Compensation Information System (CERCLIS) list is a compilation of known and/or suspected uncontrolled or abandoned hazardous waste sites that are eligible for funding under Superfund. The Superfund program includes Federal Facility sites, short- and long-term clean-up sites, National Priority Listing (NPL) sites, delisted NPL sites, Sites Awaiting NPL Decisions (SAND), and No Further Remedial Action Plan (NFRAP) sites. These are defined below.

- Federal Facility sites are hazardous waste sites where the Department of Defense is the lead agency in the investigation or remediation of the site.
- Hazardous waste sites that do not require a long-term cleanup process are considered short-term cleanups, or "removal actions". Although the cleanup process for these sites may not be as lengthy as for long-term cleanups, these sites may still affect the health and environment of those who live near the site.
- Long-term clean-up sites are often caused by years of polluting and may take several years, even decades, to remediate. The most serious uncontrolled or abandoned hazardous waste sites identified as candidates for long-term clean up are listed on the NPL.
- The database of delisted NPL sites lists those sites where no further response is appropriate and the site may be deleted from the NPL.
- SAND sites have had site assessments performed, but a decision regarding NPL proposal has not been recorded. SAND sites include sites that have been assessed by the Superfund program, are now being addressed under state program authorities, or are in various stages of assessment and cleanup by federal or state agencies.



- The No Further Remedial Action Plan (NFRAP) list is a database of archive designated CERCLA sites that, to the best of the EPA's knowledge, assessment has been completed and the EPA has determined that no further steps will be taken to list that site on the NPL.

The subject property is not listed as an NPL, Federal Facility, SAND, CERCLA or NFRAP site.

According to EPA database information, no properties located within a 1.0-mile minimum search distance of the site are currently listed on the NPL. No CERCLA NFRAP sites are located within a 0.5-mile minimum search distance of the subject property.

RCRA Sites

Sites listed in the EPA RCRA database are sites that are hazardous waste treatment, storage, and disposal (RCRA TSD) facilities, or generate small or large quantities of hazardous wastes (RCRA GEN).

Accidents or other activities at RCRA facilities can result in the release of hazardous waste or hazardous constituents to the environment. The RCRA Corrective Action program (CORRACT) requires these facilities to conduct investigations and cleanup actions as necessary. Facilities under the CORRACTs program need to implement necessary corrective action as part of the process to obtain a permit to treat, store, or dispose of hazardous waste.

The current owner of the subject property, Squam River Hydro, LLC is not listed as a RCRA generator facility, RCRA TSD facility, or a CORRACT facility.

The L.W. Packard Mill is listed as a RCRA generator, which formerly included the subject property. The most recent 'Regulated Waste Activity' notification form (March 26, 2003) in the NHDES database indicated that L.W. Packard generated universal wastes and burned waste oil. Credere reviewed the RCRA file at the NHDES in Concord, New Hampshire. The file indicated that the L.W. Packard Mill formerly generated a variety of waste liquids during its operation that included waste forms of oil, grease, solvents, adhesives, gasoline, glycol, paints, other lubricants, and other petroleum-based compounds. The file did not indicate in which portions of the former mill the wastes were generated or where the wastes were stored once generated. Credere contacted the former owner, Mr. John Glidden, regarding waste storage in the facility and he stated that no wastes were stored in the subject property portion of the former mill.

The NHDES file for the L.W. Packard Mill indicated that all wastewater from the mill (where wastes may have been discharged) is currently discharged to the Town of Ashland Wastewater treatment plant.

No other RCRA generators are listed adjacent to the subject property. No RCRA TSD facilities are located within a 0.5-mile approximate minimum search distance of the subject property. No CORRACT facilities are located within a 1.0-mile approximate minimum search distance of the subject property.

ERNS Sites

The Emergency Response Notification System (ERNS) was a database used to store information on notifications of oil discharges and hazardous substances releases. The ERNS program is a cooperative data sharing effort among the EPA Headquarters, the state Department of Transportation (DOT) Research and Special Programs Administration's John A. Volpe National Transportation Systems Center, other DOT program offices, the ten EPA Regions, and the National Response Center (NRC). The ERNS website was redesigned and the data now resides at the NRC. The primary function of the NRC is to serve as the sole national point of contact for reporting all oil, chemical, radiological, and biological discharges into the environment anywhere in the United States and its territories.

The subject property is not listed as an NRC/ERNS site. However, the L.W. Packard Mill is listed as an ERNS site for a large sulfuric acid spill that occurred on the adjoining south property. Reportedly, approximately 3,600-gallon of sulfuric acid spilled from a broken pipe beneath the mill's dye house. The acid was partially contained within a berm and an unknown quantity of acid overflowed directly into the Squam River. The spill was cleaned up under state and federal oversight. The spill occurred downgradient and downstream of the subject property; therefore, Credere does not believe that it adversely affected environmental media at or beneath the subject property.

Federal IC/EC

The Federal Institutional Control/Engineering Control (Federal IC/EC) is a database of Superfund sites that have either an engineering or institutional control to limit exposure to contamination remaining on a site.

The subject property is not listed as a Federal IC/EC site.

6.5 ENVIRONMENTAL LIENS

A third party, such as a state or federal government agency, may place environmental liens on a property in order to recover clean-up costs that were incurred by that third party. The existence of a recorded environmental clean-up lien on a property is an indication that environmental conditions either currently exist or previously existed on a property. The existence of an environmental clean-up lien could be considered an indicator of potential environmental concerns, and could be a basis for additional environmental investigations on the property to determine the potential existence of ongoing or continued releases of hazardous substances.

The records review and *user* interviews conducted as part of this Phase I ESA identified no environmental liens for the subject property.



6.6 INSTITUTIONAL CONTROLS

Institutional controls or environmental-related covenants for a property are put in place to minimize the potential for human exposure to existing environmental conditions on that property by limiting land or resource use. Types of institutional controls may be referred to as land-use controls, or activity and use limitations, and these controls may be in the form of deed restrictions, zoning restrictions, building or excavation permits, well drilling prohibitions, easements, or covenants. A property owner wishing to maintain liability protections under state or federal law must comply with any existing land use restrictions and maintain any existing institutional control employed at the site in connection with a response action.

The local, state, and federal records reviews and *user* interviews conducted as part of this Phase I ESA identified no institutional controls/engineering controls for the subject property.



7. INTERVIEWS

In accordance with ASTM E 1527-05 Chapters 10 and 11, interviews with past and present owners, operators, and occupants of the facility were conducted, for the purpose of gathering information regarding the potential for RECs at the subject property. The following presents summary of the findings of these interviews.

7.1 PAST AND PRESENT USER(S), OWNER(S), AND OCCUPANT(S)

7.1.1 Users

Mr. Andrew Lane and Mrs. Christine Lane, the owners of SRH and the *users* of this Phase I ESA, were interviewed to obtain information about their knowledge of the subject property in regards to identifying RECs. Ms. Lane was interviewed via telephone prior to, and in person during the reconnaissance of the subject property. Mr. Lane was interviewed via telephone after the reconnaissance. Mr. and Mrs. Lane stated that no hazardous materials or fuel oil are currently stored on the subject property, and to their knowledge, none have been stored on the subject property in the past. The only petroleum storage that they are aware of on the subject property is lubricating and hydraulic oils stored in the generator building. Tenants of the building have been required to provide their own heating systems. Existing tenants currently use electric or propane equipment for heat.

Mr. and Mrs. Lane were unaware that a 6,000-gallon lubricating oil UST had been present on the subject property, and did not have knowledge of what L.W. Packard previously stored in the sheds. Mr. and Mrs. Lane were aware of electrical equipment in the generator building, and in the exterior area between the generator building and warehouse building. To their knowledge, all of the transformers had been certified as non-PCB and they were unaware of any spills associated with the transformers. Mrs. Lane noted that to her knowledge, all of the asbestos had been removed from within the buildings, but potential asbestos siding was present on the exterior of the generator building. When SRH purchased the property, the Lane's had a lead-based paint inspection performed in the subject property buildings, and lead was identified in several of the painted surfaces. The lead-based paint inspection report is included in **Appendix D**.

7.1.2 Past Owners, Operators, and Occupants/Key Site Manager

The previous owner of the subject property, Mr. John Glidden, was interviewed via telephone on December 6, 2010, to obtain information concerning RECs in connection with the subject property. Mr. Glidden noted, that with the exception of a former 6,000-gallon lubricating oil UST that was located east of the Scribner building, all hazardous materials and petroleum storage that he could recall was located in other portions of the mill complex and not on the Squam River Hydro, LLC property. Mr. Glidden noted that there may have been hazardous materials or petroleum in use in portions of the subject property, but they would have been consumable quantities used during the mill processes.

Mr. Glidden confirmed that the 6,000-gallon lubricating oil UST was previously removed and tested by an environmental consultant, ARC, and the removal was approved by the NHDES. To his recollection, there was no contamination around the tank when it was removed.

Mr. Glidden provided historical information regarding the hydroelectric facilities at the mill complex. He stated that there were two water wheels at the mill, one located in the generator building and one located upriver on the other side of town. The water wheel located on the subject property was converted to a hydroelectric plant in the 1930s. To the best of his knowledge all of the transformers in the mill complex have been certified as non-PCB.

Mr. Glidden could not recall any significant spills of hazardous materials or petroleum that occurred on the Squam River Hydro, LLC property. He stated that it was likely that small spills occurred over the years, but that they would have been immediately cleaned up by the mill's environmental division and emergency response team.

7.2 STATE AND/OR LOCAL GOVERNMENT OFFICIALS

Town of Ashland Offices

Ms. Pat Tucker, the Town of Ashland's Town Clerk, provided Credere with the Town's records specific to the subject property. The Town maintains a single file for each property of concern that includes all of their official files (tax assessment, code enforcement, planning, etc.). Ms. Tucker stated that she did not have any specific knowledge of the subject property and suggested Credere contact the former subject property owner, Mr. John Glidden, whose commercial office property adjoins the subject property.

Town of Ashland Fire Department

During Credere's research at the Town of Ashland Fire Department, a firefighter, Mr. Tim Paquette, was present in the Town office and was interviewed regarding his knowledge of the history of the subject property. Mr. Paquette stated he had been a firefighter in Ashland for 18 years and could not recall any incidents concerning fire, hazardous materials, or petroleum at the mill. Mr. Paquette did not believe the fire department would have any files concerning the mill because the mill had a safety and environmental compliance division who would have maintained their own records; however, he suggested Credere contact the Fire Chief to confirm that.

Credere attempted to contact Fire Chief Brad Ober at the Town of Ashland Fire Department on several occasions via telephone and e-mail. Chief Ober was not able to be reached with the time and cost constraints of this assessment.

8. ADDITIONS, EXCEPTIONS, AND DEVIATIONS

According to Sections 12.9 and 12.10 of ASTM E 1527-05, all additions and deviations from this practice shall be listed individually in detail. This includes any client-imposed constraints. In this regard, the following additions and deviations to this practice were identified:

Additions

The following ASTM *non-scope considerations* were added (**Section 9**) to Credere's scope of work as a part of this Phase I ESA:

- Radon
- Asbestos
- Lead-based Paint
- PCB-Containing Equipment
- Wetlands

These were included as a part of this Phase I ESA because they are deemed to add value for assessments conducted under the LRPC Brownfields Program.

Exceptions and Deviations

No exceptions or deviations were made during this Phase I ESA.

9. ASTM NON-SCOPE CONSIDERATIONS

The following is a discussion of findings made during this Phase I ESA as it relates to items not included within the scope of ASTM E 1527-05.

9.1 ASBESTOS

Asbestos is a heat-resistant, naturally occurring mineral that breaks into fibers. Asbestos is the generic term for six different types of minerals. Some forms of asbestos are highly toxic by inhalation of dust particles. Past uses of asbestos include pipe and boiler insulation, fire and soundproofing, brakes, gaskets, floor tiles, roofing materials, window caulk, cement products, curtains, and water pipes.

A formal asbestos survey was not included in Credere's scope of services for this Phase I ESA. ACMs are not included within requirements of ASTM E 1527-05 for the Phase I ESA process, unless the ACM is found in its waste form. However, recognizing the age of the buildings on the subject property, which were constructed prior to 1978, and the fact that ACM have previously been removed from the former L.W. Packard Mill complex, the potential exists for additional ACM to be present. In addition, it should be noted that potential ACM including siding was observed on some exterior portions of the buildings during Credere's site reconnaissance.

9.2 LEAD-BASED PAINT

Lead is toxic by ingestion and inhalation of dust or fumes. Health effects are generally correlated with blood levels. Infants and young children absorb ingested lead more readily than older children and young adults. Primary exposure is from lead-based paint, lead solder and pipes in drinking water lines, and air quality in urban settings. Lead-based paint testing is typically warranted for residential properties constructed prior to 1978 and properties where children spend a significant amount of time, such as a daycare facility.

A formal lead-based paint survey was not within the scope of services of this Phase I ESA; however, lead-based paint has previously been identified within the buildings. The results of a prior lead-based paint survey are discussed in **Section 4** and the survey is included in **Appendix D**.

9.3 RADON

Credere has included the general information pertaining to radon for informational purposes only. The EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones. Zone 1 is those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action limit of 4.0 Pico Curies per Liter (pCi/L), Zone 2 is where average predicted radon levels are between 2.0 and 4.0 pCi/L, and Zone 3 is where average predicted radon levels are less than 2.0 pCi/L.



It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Review of the EPA Map of Radon Zones places the subject property in Zone 2, where average predicted radon levels are between 2.0 and 4.0 pCi/L/. A basement is present under the southern and western portions of the warehouse building. These portions are currently vacant; therefore, radon is not expected to be a concern at the subject property at this time. However, the presence of radon in the building should be considered during subject property redevelopment. Recognizing that the subject property lies in Zone 2, but gets potable water from the public water supply which is tested for radon, the presence of radon in drinking water is not expected to be a concern at this time.

9.4 NON-SCOPE PCB-CONTAINING EQUIPMENT AND MATERIALS

During the site reconnaissance, Credere noted the following non-scope equipment/materials on or adjacent to the subject property that either likely contain PCBs, or are known to possibly contain PCBs:

- Prior to 1978, fluorescent light ballasts were commonly manufactured with PCBs in the capacitor oil and in a tar-like substance that surrounds ballast components called "potting compound." Ballasts made after 1978 are usually marked "Non-PCB." Fluorescent light fixtures were observed to be installed throughout the buildings. Based on the apparent age of the structure, the potential exists for PCBs to be present in the lighting fixtures observed at the subject property.
- Caulk, paint, sealants, adhesives, and other materials containing PCBs were used in many buildings during building construction, renovation, or repair from the 1950s through the late 1970s. PCBs were not distributed in commerce after 1978. PCB-containing building materials may represent a risk to human health and the environment and may be regulated for disposal. Based on their ages, the potential exists for PCB-containing building materials to be present in the subject property buildings.

9.5 WETLANDS

A formal wetland survey was not included in the scope of work for this Phase I ESA. Credere did not observe any wetlands on or adjacent to the subject property during our reconnaissance. According to the US Fish and Wildlife Service (FWS) National Wetlands Inventory, no wetlands are located on or adjacent to the subject property. The nearest wetland is located approximately 0.2 miles west of the subject property.

10. DATA GAPS

ASTM E 1527-05 Chapter 12.7 requires the identification of data gaps that may affect our ability to identify potential environmental conditions on the subject property, to further identify the sources of information consulted to attempt to fill these data gaps, and the significance of the data gap with regard to the ability to identify potential environmental conditions onsite.

Data failure occurred during this assessment because standard historical sources were not available documenting the subject property's earliest development or historical uses in five year intervals. Although data failure occurred, it is Credere's opinion that this does not represent a data gap because anecdotal and other historical reports indicate the subject property has been used for textile manufacturing since 1840, and all data sources have indicated a similar use of the subject property.

The transformer room in the basement of the generator building was not entered due to safety concerns with active electricity generation. This represents a data gap because observations regarding the type and condition of the transformers, evidence of potential releases from the transformers, and the presence of other potential RECs in the room could not be observed and were not able to be identified. This data gap has not affected the outcome of this assessment because a REC was identified in this location of the subject property due to the potential for PCB-containing oils to have been previously used.

11. FINDINGS AND OPINIONS

The following is a summary of relevant environmental findings concerning the subject property, and Credere's professional opinion concerning these findings:

- The subject property is a portion of the former L.W. Packard Mill Complex. Based on information reviewed during this Phase I ESA, the area of the mill complex has been used for textile manufacturing since circa 1840. Leather board was manufactured for several years on a portion of the subject property. Based on the variety of petroleum and hazardous chemicals involved in heating and industrial processes, it is possible that environmental conditions at the subject property have been affected by these historic uses.
- The subject property buildings are known to contain some lead-based painted surfaces. Painted surfaces varied in condition throughout the building and may require special management during redevelopment of the building.
- ACMs have previously been removed from the interior of the subject property buildings. Potential asbestos siding was observed on the exterior of the generator building and the storage sheds. Based on the ages of the building, additional ACMs may be present at the subject property that should be properly assessed and/or managed during redevelopment.
- The subject property has generated electricity since at least 1930. Several transformers and potential former transformer pads are located within the buildings. Two transformers are also located in exterior portions of the subject property. Based on the historic use and maintenance of potential PCB-containing electrical equipment, there is the potential for the subject property to be impacted by PCBs.
- Floor drains were observed throughout the subject property buildings. These drains reportedly historically discharged directly to the Squam River, but were reportedly plumbed into the Town of Ashland wastewater system. Due to the historical direct discharge to the river and the subsequent capture and treatment of wastewater discharged through the drains, the presence of floor drains likely has not led to permanent impacts to the subject property. However, tailraces and abutting rivers were commonly used for disposal by mill facilities; therefore, there is the potential for river sediments to have been affected by historical discharges from the drains.
- A fill pile was observed behind the storage sheds that included asphalt shingles, what appeared to be roofing tar, and metal. Because the source and content of the pile was unknown, this may be a location where waste materials have been historically dumped on the subject property. Furthermore, waste roofing materials may contain asbestos.
- Oil staining was observed on the concrete floor of the generator building in the vicinity of metal working equipment and a lubricating oil storage rack. Because these oils were spilled directly to a concrete floor and the floor appeared intact, there is likely no migration pathway to the environment in these locations. However, PCBs are known to have been added to some mineral/lubricating oils and may be present in the stained areas above regulatory standards.



- A former 6,000-gallon mineral oil UST was located to the east of the Scribner Building that was used for equipment lubrication. Prior documents indicated that this tank was intact and no visual or field screening evidence of contamination was noted upon removal. Subsequent soil boring investigations indicated that no visual, field screening, or laboratory evidence of contamination was observed in the former tank location, and no metals or petroleum related contaminants were present at concentrations above the applicable NHDES standards. However, some lubricating oils are known to have contained PCBs and samples collected from the UST location were not analyzed for PCBs. Therefore, PCBs may be present in the vicinity of the former UST.
- Fuel oil contamination is known to be present on the adjoining west property as the result of releases from USTs. The contamination is currently being monitored under a NHDES Groundwater Monitoring Permit that lists the existing L.W. Packard Company as the responsible party; therefore, the subject property owners may not have liability regarding the contamination. Investigation results of the releases indicated that groundwater contamination was not detected in a downgradient groundwater monitoring well located on the subject property; therefore, the GMZ for this release did not include any portion of the subject property. Although previous results concluded that the subject property is not at risk from this release, groundwater flow was shown to be approximately southeast and fuel oil contaminants were detected in soil boring B-12. No investigation was completed within the building along the GMZ boundary that would be directly downgradient of the former USTs; therefore, it is Credere's opinion that potential soil and/or groundwater contamination may be migrating beneath the southwest portion of the warehouse building that may not be observable in monitoring well location MW-6.



12. CONCLUSIONS

We have performed this Phase I ESA in conformance with the scope and limitations of the ASTM Practice E 1527-05. Any exceptions to, or deletions from, this process were described in **Section 8**. This assessment has revealed no evidence of RECs in connection with the subject property except for the following:

- REC-1 – The historical use of the subject and adjoining properties for the manufacture of textiles represents a REC because the historical use of petroleum and hazardous materials on the subject property may have resulted in releases to soil, groundwater, and/or surface water at the subject property. Coal ash has also been identified as fill material on the adjoining property to the west and may also be present on the subject property.
- REC-2 – The presence, and/or former presence, of potential PCB-containing transformers on the subject property represents a REC because PCB-containing oil may have been spilled or released in the vicinity of the equipment and impacted the building and/or the environmental media at the subject property. Specific areas of concern of this REC include:
 - Area 1 – The transformer room located in the northwest portion of the warehouse building
 - Area 2 – The transformer room located in the basement of the generator building
 - Area 3 – Oil stained concrete pads in the south basement of the warehouse building
 - Area 4 – An oil stained concrete pad in the bag room of the warehouse building
 - Area 5 – The exterior transformer yard to the east of the generator building
 - Area 6 – The exterior transformer located southeast of the warehouse building
- REC-3 – The previous use of floor drains in the buildings represents a REC because historical discharges through these drains may have affected sediment at the subject property including sediment within the Squam River.
- REC-4 – Oil staining observed in the generator building and around the elevator equipment represents a REC because PCBs were historically added to some lubricating and hydraulic oils and may be present in the affected areas in exceedances of regulatory standards.
- REC-5 – The former use of Shed #1 as a “barrel barn” for drums of petroleum or other chemicals represents a REC because these materials may have spilled through the wood plank floor to the ground surface beneath the shed. Similarly, Shed #1 may have historically been used for the storage of petroleum or hazardous materials that may have been spilled to the ground surface.
- REC-6 – The fill pile observed behind storage Shed #2 contains suspect building materials. This condition represents a REC because the source and content of the fill is unknown, and the fill may contain petroleum, hazardous materials, and/or asbestos.



- REC-7 - The former 6,000-gallon lubricating oil UST located to the east of the Scribner Building represents a REC because lubricating oil may have been released from this tank. Although previous investigations concluded that metals and petroleum were not a concern, the previous investigations did not analyze soil beneath the former tank for PCBs which may have been present within the lubricating oil product.
- REC-8 – A known plume of fuel oil contamination on the adjoining property to the west represents are REC because if it continues to migrate as shown it may impact the subject property groundwater in the future. In addition, fuel oil contamination has already been identified in a soil boring on the subject property that is presumably from this release.

Credere did not identify any *de minimis* environmental conditions (DMEC) at the subject property.

The following ASTM non-scope considerations (NCs) were also noted during this Phase I ESA:

- NC-1 – Based on the ages of the subject property buildings and observed potential asbestos siding on the generator building and sheds, ACMs may be present on the interior and exterior of the buildings.
- NC-2 –Lead-based paint has previously been identified on some painted surfaces within the buildings and there is the potential for additional to be identified.
- NC-3 – Based on the ages of the subject property buildings, PCB-containing bulk products (caulking, paint, etc.) may be present on the interior and exterior of the buildings.



13. RECOMMENDATIONS

The ASTM Standards require that the environmental professional determine the degree of obviousness of the presence or likely presence of contamination, releases, or other environmental conditions onsite, and the ability to detect that contamination. Based on the findings of this Phase I ESA, obvious conditions that are indicative of potential contamination or past releases are present at the subject property. In order to maintain *Bona Fide prospective purchaser* liability protection under CERCLA, the seller or purchaser must demonstrate appropriate care, which typically will entail the completion of the following recommendations:

- Phase II ESA activities are recommended to confirm or dismiss the above RECs.
- Asbestos, lead-based paint and PCB-containing building materials surveys should be completed to confirm or dismiss the presence of these materials on the subject property. These surveys will also assist with delineating the extent of any of these previously identified materials within the buildings.
- Universal and hazardous waste surveys should be completed to inventory the wastes which are currently present or may be generated at the subject property during redevelopment.



14. REFERENCES

LOCAL RESOURCES

- **Town of Ashland Official Website:** <http://www.ashland.nh.gov:8080/ashland>
- **Town of Ashland Assessor's and Code Enforcement Files**
- **Town of Ashland Fire Department**
- **Grafton County Registry of Deeds** <http://www.nhdeeds.com/belknap/BeIndex.html>

NHDES RESOURCES

- **NHDES OneStop Environmental Site Information Online Database:**
<http://www2.des.state.nh.us/onestop/>
- **NHDES File Room, Concord, New Hampshire.** Reviewed Regulated Waste File.

EPA RESOURCES

- **CERCLIS Hazardous Waste Sites:** Information obtained from USEPA website.
<http://cfpub.epa.gov/supercpad/cursites/srchsites.cfm>
- **CERCLIS NFRAP:** Information obtained from USEPA website.
<http://cfpub.epa.gov/supercpad/cursites/srchrslt.cfm?start=1&CFID=481008&CFTOKEN=69470108&jsessionid=363045257c645c143453TR>
- **RCRIS Database:** Information obtained from USEPA website.
http://www.epa.gov/enviro/html/rcris/rcris_query_java.html
- **EPA Enforcement and Compliance History Online (ECHO):** <http://www.epa-echo.gov/echo/index.html>
- **Superfund Database:** NPL, SAND, and SHORT sites. Information obtained from USEPA website. http://yosemite.epa.gov/R1/npl_pad.nsf/

ADDITIONAL RESOURCES

- **US Fish and Wildlife Service National Wetlands Inventory Wetlands Mapper.**
<http://wetlandsfws.er.usgs.gov/NWI/index.html>
- **Geological Information:**
 - *Geohydrology, Yield, and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central New Hampshire, John E. Cotton and Joseph R. Olimpio, 1997*
 - <http://tin.er.usgs.gov/geology/state/state.php?state=NH>
- **Historical USGS Maps of New England.** <http://docs.unh.edu/nhtopos/nhtopos.htm>



15. LIMITATIONS

This report has been prepared as part of an agreement between Credere Associates, LLC and LRPC. This agreement was established in order to provide LRPC with information upon which they can rely concerning the existence or likely existence of various environmental contaminants on or adjacent to the subject property.

The report does not provide sufficient information to unequivocally determine that no hazardous waste contamination is present at the subject property. Additional work beyond that completed for this study would be necessary to provide such information. Further, this report is not an audit for regulatory compliance or a detailed condition survey for the presence of asbestos, lead paint, PCBs, radon or any other pollutant specific compound.

Our conclusions regarding the subject property are based on Credere's interpretation of subject property historical land use and on observations of existing subject property conditions during our field reconnaissance visits. The results of this study must be qualified in that no borings, soil or groundwater sampling or chemical testing was conducted as part of this study. Therefore, our conclusions regarding the condition of the subject property do not represent a warranty that the facility, parking areas, adjacent properties, etc., are of the same quality as may be inferred from observable subject property conditions and readily available subject property history files.

Credere Associates, LLC performed this Phase I ESA in conformance with the ASTM Standard Practice E 1527-05 and ASTM Standards. No exceptions or significant deviations were made to this practice during the completion of the Phase I ESA.

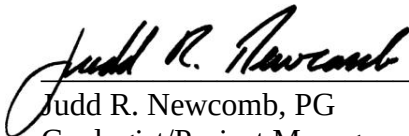


16. SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following individuals performed this Phase I ESA in conformance with ASTM Standard Practice E 1527-05 and AAI Standards. Any work completed on this Phase I ESA by an individual who is not considered an *environmental professional* was completed under the supervision or responsible charge of the *environmental professional* listed after the *Environmental Professionals Statement* provided below.

Environmental Professionals Statement

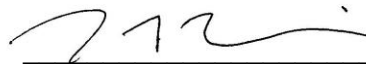
We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set for in 40 CFR Part 312.



Judd R. Newcomb, PG
Geologist/Project Manager
Primary Author



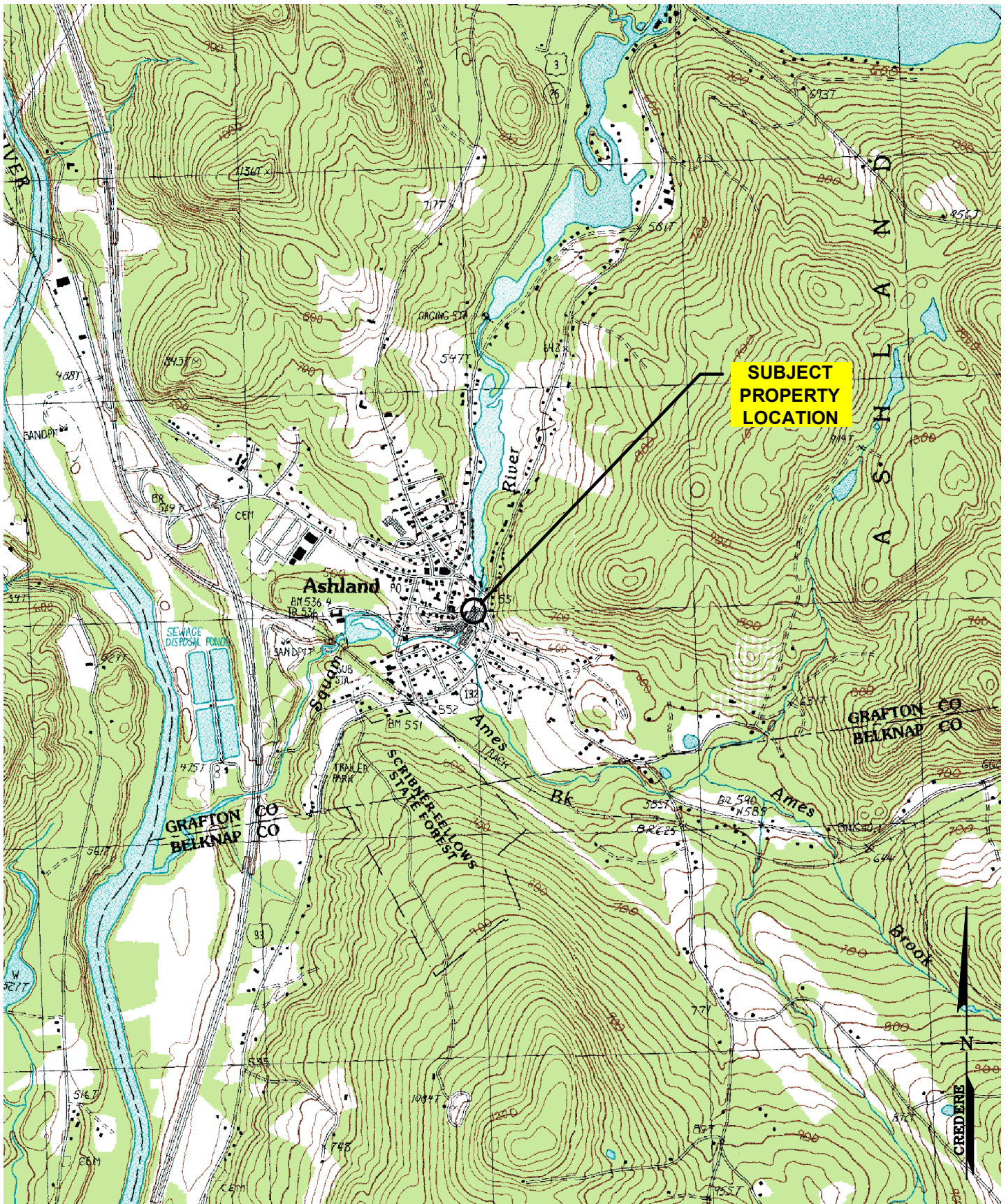
Richard S. Vandenberg, PG
Senior Hydrogeologist



Jedd S. Steinglass
Senior Project Manager

FIGURES





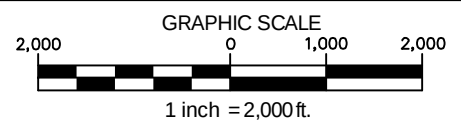
DRAWN BY: SWC/JRN	DATE: 11/22/10
CHECKED BY: RSV/JSS	PROJECT: 10001086

FIGURE 1 - SITE LOCATION MAP



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 Fax (207) 887-1051
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FORMER L.W. PACKARD MILL
 6 MILL STREET
 ASHLAND, NH
 NHDES #200009045



APPENDIX A
RESUMES OF KEY PERSONNEL





Credere Associates LLC

Richard S. Vandenberg CG,PG Senior Hydrogeologist/Senior Geologist

PROFESSIONAL REGISTRATIONS

Professional Geologist:

ME #GE452

NH #52

AIPG#9627

TRAINING

40 hour, OSHA 29 CFR 1910.120 Hazardous Waste Health and Safety Course and Refresher Course

8 hour, OSHA 29 CFR 1910.120 Hazardous Waste Supervisor Health and Safety Course

EDUCATION & PROFESSIONAL ACTIVITIES

Bachelor of Arts in Geology/chemistry. University of Maine, Farmington, Maine, 1987.

Graduate work toward Master's of Science in Geology. Fort Hays State University, Hays, Kansas 1987 to 1989.

New Hampshire Geologist Society Member

American Institute of Professional Geologist Member

HIGHLIGHTS OF EXPERIENCE

Mr. Vandenberg is a Senior Hydrogeologist with Credere Associates, LLC with over 18 years experience in assessment, investigation, remediation and disposal of petroleum and hazardous wastes, and water related projects. Mr. Vandenberg has managed numerous compliance, assessment, investigation, and remediation projects including Phase I and Phase II environmental site assessments (ESAs), remedial investigations, remedial action planning, 3-D groundwater flow and contaminant transport modeling, groundwater extraction and treatment system design, soil vapor extraction design, soil removals, and in-situ chemical oxidation projects for clients across New England. In addition, Mr. Vandenberg has developed water supplies for communities and commercial/industrial water users in New Hampshire, Vermont, and Massachusetts.

ENVIRONMENTAL PROJECTS:

Brownfields

Mr. Vandenberg has conducted Phase I and Phase II assessment and investigation activities for the USEPA-funded Brownfields commercial redevelopment and revitalization program and review Quality Assurance Project Plan Addendums detailing all investigation, sampling, and analytical testing activities that were submitted to, and approved by the Maine DEP and USEPA. Additional activities at Brownfields sites included the development of conceptual site models, completion of redevelopment feasibility studies, and the characterization and remediation of contaminated media. Mr. Vandenberg has managed projects for Southern Maine Regional Planning Commission, Nashua Regional Planning Commission, Rockingham Planning Commission (New Hampshire), and City of Westbrook, Maine. Mr. Vandenberg has been involved with the following projects:

Rockingham Regional Planning Commission Brownfields Assessment Program – So. New Hampshire

Project Manager for the Rockingham Planning Commission (RPC) Brownfields Assessment Program. Project included the inventory of over 400 potential Brownfield sites located within the region, prioritization and selection of sites for Environmental Assessment activities, and completion of Phase I and Phase II investigations, remediation planning, reuse planning, and implementation of remedial actions. Tasks have included development of scope of work, senior technical review of reports, project coordination, property owner education, facilitation of stakeholder meetings, regulatory agency interface, site reconnaissance visits, site master planning, and remedial alternative oversight. Properties assessed or currently being assessed as part of program include the following:

- Hampton Landfill, Hampton, New Hampshire
- Former Shoe Factory, Epping, New Hampshire
- Hammond Auto, Freemont, New Hampshire

Nashua Regional Planning Commission Brownfields Assessment Program – So. New Hampshire

Project Manager for the Nashua Regional Planning Commission (NRPC) Petroleum Brownfields Assessment Program. Project included the inventory of over 300 potential Brownfield sites located within the region, prioritization and selection of sites for Environmental Assessment activities, and completion of Phase I and Phase II investigations, remediation planning, reuse planning, and implementation of remedial actions. Tasks have included development of scope of work, senior technical review of reports, project coordination, property owner education,

facilitation of stakeholder meetings, regulatory agency interface, site reconnaissance visits, site master planning, and remedial alternative oversight. Mr. Patten also assisted NRPC in obtaining one additional EPA Brownfields Assessment Grant (\$200k hazardous material) and an EPA Brownfields Cleanup Grant (\$200k for the Nashua Manufacturing Boiler House). Properties assessed or currently being assessed as part of the program include the following:

- Nashua Manufacturing Boiler House, Nashua
- Majestic Motors Junkyard, Merrimack

Southern Maine Regional Planning Commission Brownfields Assessment Program – York County, Maine

Senior Technical Reviewer for the Southern Maine Regional Planning Commission (SMRPC) Brownfields Assessment Program. Project included the inventory of over 200 potential Brownfield sites located within the region, prioritization and selection of sites for Environmental Assessment activities, and completion of Phase I and Phase II investigations, remediation planning, reuse planning, and implementation of remedial actions. Tasks have included development of scope of work, senior technical review of reports, project coordination, property owner education, regulatory agency interface, site reconnaissance visits, site master planning, and remedial alternative oversight. Properties assessed or currently being assessed as part of program includes the following:

- Lincoln Mill, Biddeford, Maine
- Stenton Trust Mill, Sanford, Maine
- North Dam Mill, Biddeford, Maine
- Riverdam Mill, Biddeford, Maine

Westbrook Brownfields Assessment Program – City of Westbrook, Maine

Project Manager for the Westbrook Brownfields Assessment Program. Project included the inventory of over 50 potential Brownfield sites located within the city, prioritization and selection of sites for Environmental Assessment activities, and completion of Phase I and Phase II investigations, remediation planning, reuse planning, and implementation of remedial actions. Properties assessed or currently being assessed as part of program includes the following:

- Larson's Junkyard site

Miscellaneous Brownfields Environmental Assessments and Remedial Investigations

Mr. Vandenberg has performed all phases of environmental site assessments and remedial investigations for the projects mentioned below. Tasks completed include development of scope of work, senior technical review of reports, project coordination, records review for federal, state, and local authorities, site reconnaissance visits, soil and groundwater sampling, and summary report preparation. Representative projects include:

- Global Timber, Hartland, Vermont
- Barre Coal Tar, Montpelier, Vermont





Credere Associates LLC

Jedd Steinglass

Senior Project Manager

TRAINING

- 40-hour OSHA 29 CFR 1910.120 HAZWOPER Course
- 8-hour OSHA 29 CFR 1910.120 HAZWOPER Refresher (Nov. 2009)
- Utility Solid Waste Advisory Group Advanced PCB Training, 2008

EDUCATION

- B.A. Geology, 1999
Colgate University

HIGHLIGHTS OF EXPERIENCE

In a professional career spanning eleven years, Jedd has focused his efforts on the environment, completing environmental investigation, compliance, and remediation projects throughout New England.

PROJECT EXPERIENCE INCLUDES:

Environmental Site Assessment and Remediation

As an environmental consultant, Jedd has served as a lead member of an Emergency Response and Remediation Operations Team. He has opened and directed a branch office and served as a senior project manager for an average portfolio of 30 active projects and a staff of 20. He has performed facility assessments, subsurface investigations, and conducted technical report review. Jedd directed the management of remediation projects to ensure compliance at the local, state, and federal level, including an outstanding variety of initial and comprehensive response actions, risk characterization, regulatory closure, and usage restrictions. He provided oversight for the removal and/or replacement of underground storage tanks including agency notification, corrective actions, soil remediation, and closure activities. Additionally, Jedd has managed long-term groundwater monitoring projects and conducted the hydrogeologic investigations and modeling necessary for major and minor groundwater discharge permitting. He has also performed remote sensing studies incorporating the use of sub-surface acoustical profiling, GPS, and GIS technologies.

Facility Assessment and Closure

Jedd's range of abilities also includes the design and management of numerous pre-construction and pre-demolition characterization and remediation efforts, which addressed soil, concrete, and regulated building materials, health and safety plan development, waste materials management, and disposal coordination. Jedd's responsibilities have also included developing proposals, job scopes, and project plans, directing bid processes, and contract management.

Utility Consulting

Jedd completed many projects associated with electrical distribution, transmission, substation, and service centers. As a primary project manager for a multi-national electric and natural gas utility, Jedd also managed the proper installation of underground utilities through contaminated areas and directed the remediation of mercury releases, which often involved the containment and elimination of acute health hazards.

PCB Characterization and Remediation

Jedd has directed the characterization and cleanup of PCB remediation waste in accordance with EPA protocol and approval at more than 30 challenging cleanup sites. Cleanups were conducted under self-implementing, performance-based, risk-based, and alternative disposal methods. Completed projects involved the decontamination, off-site disposal, and/or on-site disposal of impacted equipment and structures, bulk materials such as concrete, wood, soil, and sediment, surface water, bulk products including paint and caulking, and electrical components such as transformers and regulators.

Representative Brownfields Projects Include:

- Brighton Memorial School, Brighton ME
- Aerofab Mill, Sanford, ME
- Adams School, Portland, ME
- Nashua Boiler House, Nashua, NH
- Lakes Region Facility, Laconia, NH
- Industrial Drive, Hudson, NH



Credere Associates LLC

Judd R. Newcomb, CG

Geologist/Assistant Project Manager

PROFESSIONAL REGISTRATIONS

Certified Geologist:
ME #GE493

TRAINING

- 40-hour OSHA 29 CFR 1910.120 Hazardous Waste Health and Safety Course (June 2004)
- 8-hour OSHA 29 CFR 1910.120 Hazardous Waste Health and Safety Refresher Course (April 2009)
- 8-hour OSHA 29 CFR 1910.120 Hazardous Waste Supervisor Health and Safety Course (August 2004)
- 9-hour National Safety Council Basic First Aid Training
- 9-hour National Safety Council First Aid for Choking and CPR Course
- Innov-X Systems Radiation Safety & Operator Training for portable XRF Spectrum Analyzers including Radiation Safety & XRF Theory
- 101-Portable Nuclear Density/Moisture Gauge Use and Safety Training

EDUCATION & PROFESSIONAL ACTIVITIES

- B.S., Geology, University of Maine, August 2000
- Geological Society of Maine
- National Groundwater Association
- National Brownfields Association
- The Geological Society of America
- Economic Development Council of Maine

HIGHLIGHTS OF EXPERIENCE

Mr. Newcomb is a Geologist and Assistant Project Manager for Credere Associates with experience in Brownfields, Phase I and Phase II Environmental Site Assessments, remedial system installation, operation, maintenance and reporting, remedial additive injection, UST closure, various drilling methods, and environmental sampling. Mr. Newcomb also has three years experience working with the Massachusetts Contingency Plan, 310 CMR 40.0000.

PROJECT EXPERIENCE INCLUDES:

Environmental Site Assessment/Sampling/Subsurface Investigation

Mr. Newcomb has performed environmental site assessments for numerous sites throughout New England varying from undeveloped land to industrial properties. After performing historical research, initial site investigations, assessing UST, AST, and hazardous materials compliance, interfacing with site personnel, federal, state, and local regulatory agencies as part of the regulatory records review, Mr. Newcomb prepared summary reports with recommended work plans for Phase II investigation. Phase II investigations concerned the release of chlorinated organic compounds, petroleum products, pollutant metals, PCBs, and pesticides to soil, groundwater, air, and concrete. As part of these investigations Mr. Newcomb performed test pitting, mud logging and environmental sampling utilizing a variety of drilling methods including: hollow stem auger, air rotary, mobile tripod, direct push Geoprobe®, and hand held tools. Associated activities included soil and discrete groundwater sample collection, bedrock coring and rock quality determination, monitoring well installation, and rising/falling head tests. Responsibilities included preparation of sampling plans, equipment management, health and safety coordination, accurate description of overburden and bedrock strata, installation of specified well construction, collecting representative samples, preparation of boring logs, data evaluation, interfacing with affected public and regulatory agencies, and project completion reports.

Brownfields

Mr. Newcomb has conducted extensive historical research, Phase I and Phase II environmental site assessment and investigation activities for the USEPA-funded Brownfields commercial redevelopment and revitalization program and prepared Quality Assurance Project Plans detailing all investigation, sampling, and analytical testing activities that were submitted to, and approved by the USEPA. Additional activities at Brownfields sites included the development of conceptual site models, completion of redevelopment feasibility studies, and the characterization and remediation of contaminated media. Mr. Newcomb has worked with the cities of Lewiston, Bath, Westbrook and Brewer, Maine, as well as with the Southern Maine Regional Planning Commission, and the City of Nashua, New Hampshire to develop Brownfields programs. A representative Brownfields project is summarized below:

Eastern Fine Paper, Brewer, Maine

Investigations conducted at the Eastern Fine Paper site included a geophysical electromagnetic survey, test pitting, a combination of direct-push, conventional auger, and drive-and-wash soil borings, installation of groundwater monitoring wells, pore water sampling, and the collection and field screening of soil, sediment, surface water, and groundwater samples. Field screening methods included PID headspace analysis, XRF soil and lead paint analyses, water chemistry field test kits, and direct-read instruments. Contaminants detected at the site primarily included PCBs, petroleum, SVOCs, and metals above Maine DEP Remedial Action Guidelines and EPA TSCA Guidelines. Asbestos-containing building materials and lead-based paint were also identified within the mill building. During redevelopment all asbestos-containing materials were removed and the building was demolished. Soils throughout the site were excavated and transported off-site for disposal, or were relocated and encapsulated on-site. Long-term stream quality and cap

maintenance plans have been developed for the site to ensure the protection of human health and the environment. The completed redevelopment of the site has brought approximately 500 new jobs to the City of Brewer.

Southern Maine Regional Planning Commission

Mr. Newcomb has assisted in the management of projects for the Southern Maine Regional Planning Commission (SMRPC) Brownfields Program. Past and ongoing responsibilities include communications with SMRPC, the Maine DEP, the U.S. EPA, property owners, and developers, project identification, contracting and contractor coordination, project research, scope of work, and report preparation, field work and technical oversight, and EPA reporting. SMRPC projects include:

- North Dam Mill, Biddeford, ME
- Riverdam Mill, Biddeford, ME
- Lincoln Mill, Biddeford, ME
- Robinson Mill, Parsonsfield, ME
- N. Berwick Woolen Mill, Berwick, ME
- Stenton Trust Mill, Sanford, Maine
- Biddeford Box Co., Biddeford, ME
- Dubois Property, Biddeford, ME
- Gagne Property, Biddeford, ME
- Kittery Town Pier, Kittery, ME
- Highland Towing, York, ME
- Municipal Lots, Kennebunk, ME

Other representative Brownfields projects include:

- Libbey Mill, Lewiston, ME
- Cowan Mill, Lewiston, ME
- Androscoggin Mill #8, Lewiston, ME
- Saccarappa Park, Westbrook, ME
- Texas Steamship Property, Bath, ME
- The Old Shipyard, Bath, ME
- The Prawer Block, Bath, ME
- Town Landing, Bath, ME
- Robbin's Junkyard, West Bath, ME
- Nashua Boiler House, Nashua, NH
- Majestic Motors, Merrimack, NH
- Sanford Mill, Sanford, ME
- Fmr Milford Police Dept., Milford, NH
- Grugnale Property, Milford, NH
- Granite Landing, Manchester, NH
- Greater ME Auto Auction, Gray, ME
- Gray Municipal Offices, Gray, ME
- Hammond Auto, Fremont, NH

Remedial Systems/Technologies

Mr. Newcomb has assisted in the installation and operation of several types of remedial systems for the extraction of contaminated media including air sparge, pump and treat, dual phase extraction, and bio-pile venting, and the application of several other remedial technologies including Fenton's Reagent, oxygen releasing compound, and hydrogen releasing compound. Responsibilities included pre-installation/application pilot testing, health and safety coordination the operation, maintenance, and sampling of installed systems, and the preparation of associated operational, sampling, and closure reports. Representative remedial systems projects include:

- New Franklin Laundry Soil Vapor Extraction (SVE) System Design, Bangor, ME
- Smith Street Groundwater Treatment System, Waltham, MA
- Former Rumford National Graphics Product Recovery and Treatment System, Belfast, ME
- Monhegan Island Product Recovery and Treatment System, Monhegan Island, ME

UST Closure

Mr. Newcomb has overseen numerous UST excavations and removals, inspections of the removed USTs, abandonment-in-place of USTs, and confirmatory soil and groundwater sampling to assess environmental impacts associated with USTs and in accordance with MEDEP Regulations, Chapter 691, and New Hampshire Code of Administrative Rules Env-Wm 1401. Responsibilities included accurate documentation of the closures and waste transportation, representative sampling, and preparation of UST closure reports for submittal to applicable regulatory agencies. Representative UST closures include:

- Former MBNA Belfast Campus diesel UST, Belfast, ME
- LaChance Brothers Filling Station gasoline USTs, Sanford, ME
- Chebeague Island Boat Yard UST piping removal, Chebeague Island, ME
- Maine Turnpike Mile 58 Service Center UST piping removal, Gray, ME
- Kittery Town Pier fuel dock UST, Kittery, ME
- Granite Landing unknown USTs, Manchester, NH
- Army Corps. of Engineers – Formerly Used Defense Sites:
 - Musquatch Mountain, Topsfield, ME
 - Radar Site, Sedgewick, ME
 - Former Barracks, Quoddy, ME
 - Generator Bldg, Little Chebeague Island, ME
 - Fire Training Bldg, Little Chebeague Island, ME
 - Generator Bldg, Cow Island, ME

APPENDIX B
CREDERE'S PHASE I SCOPE OF WORK



Credere's LRPC Brownfields Scope of Work

The following is Credere's scope of work for completion of this Phase I Environmental Site Assessment (ESA) conducted in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Process (ASTM 1527-05). The ASTM Standard Practice for Environmental Site Assessments: Phase I Process (ASTM 1527-05) meets the requirements of the Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI); Final Rule (40 CFR Part 312).

The objective of conducting a Phase I ESA is to provide a concise liability assessment in order that informed environmental business decisions may be made regarding the subject property. To accomplish this goal, our reports contain a summary that focuses on potential liabilities and presents conclusions and recommendations for confirming or dismissing the concerns and Recognized Environmental Conditions (RECs) identified during the Phase I ESA.

Our Phase I ESA process consists of the following four tasks: (1) records review, (2) site reconnaissance, (3) interviews, and (4) report. Each of these tasks is described in detail below.

Records Review

The purpose of the records review was to obtain and review reasonably ascertainable¹ records that help identify recognized environmental conditions in connection with the property. The following state and federal environmental record sources, with the minimum search distances used for each, are reviewed from USEPA websites, the Maine Department of Environmental Protection (MDEP) online databases, and an environmental records report for the property from FirstSearch Technology Corp:

Source	Minimum Search Distance (mi)
Federal NPL Site List	1.0
Federal CERCLIS List	0.5
Federal RCRA TSD Facilities List	1.0
Federal RCRA Generators List	Property and Adjoining Properties
Federal ERNS List	Property Only
State Leaking UST Sites	0.5
State Registered UST Sites	Property and Adjoining Properties

These records are reviewed for database listings associated with activities identified on the target property, or nearby sites that may have the potential to impact the target

¹ Information that is 1) publicly available, 2) obtainable from its source within reasonable time and cost constraints, and 3) practically reviewable (ASTM E 1527-05).

property. Additional state and local records sources are reviewed to enhance or supplement the federal and state sources identified above. These include:

- Lists of Landfill/Solid Waste Disposal Sites
- Records of Emergency Release Reports
- USGS 7.5 Minute Topographic Map
- Department of Natural Resources Publications
- State Geologic Surveys and Reports
- Fire Department
- County Health Department

Historical records for the subject property and surrounding area are reviewed to determine the previous uses or occupancies of the property and surrounding area to identify those uses or occupancies that are likely to have led to recognized environmental conditions in connection with the property. The following historical records are reviewed:

- Ownership/Lease-Right History
- Aerial Photographs
- Historical USGS Topographic Maps
- Historical City Directories
- Historical Fire Insurance Maps
- Historical Property Tax Assessor, Code Enforcement, and Zoning/Land Use Records
- Previous Environmental Investigations

Historical information contained in any previous environmental site assessments is reviewed, incorporated, and referenced as appropriate.

Site Reconnaissance

The site reconnaissance is performed to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the target property. The site reconnaissance includes visual and physical observations noted while observing the periphery of the property, the periphery of all structures on the property, all interior spaces of the structure, including maintenance and repair areas, common areas, storage areas, and boiler rooms. Credere notes the presence or absence of the following:

- Storage tanks
- Odors
- Pools of liquid
- Drums
- Identified and/or unidentified substance containers
- Likely PCB-containing transformers or window caulk
- Heating/cooling sources

- Interior stains or corrosion
- Drains and sumps
- Pits, ponds, lagoons
- Stained soil or pavement
- Stressed vegetation
- Solid waste
- Wastewater
- Wells
- Septic systems

Any visual or physical indications of past uses of the property that are likely to involve the use, treatment, storage, disposal, or generation of hazardous substances or petroleum products are noted. Current and/or past uses of adjoining properties and/or the surrounding area to the extent visually or physically observed which are likely to indicate RECs in connection with the adjoining property or property are also noted.

Interviews

Interviews with current and former owners and occupants are conducted to obtain information indicating RECs in connection with the property. The content of questions to be asked shall attempt to obtain information about uses and conditions of items noted during the site reconnaissance and to obtain any environmentally pertinent documents or any threatened, pending, or past: litigation, administrative actions, or notices of violation relevant to hazardous substances or petroleum products in, on, or from the property. Reasonable attempts will be made to interview the property owner, occupant, and/or key site manager.

Interviews with local government officials are conducted to obtain information indicating RECs in connection with the subject property. Reasonable attempts are made to interview a staff member of the following types of local government agencies: fire department, tax assessor, code enforcement officer, health agencies, and/or local/regional office of state agency having jurisdiction over hazardous waste disposal or other environmental matters in the area in which the property is located.

Report

Our report for the Phase I ESA will generally follow the recommended report format presented in ASTM E 1527-05. The report will include documentation to support the analysis, opinions, and conclusions presented in the report, as well as the credentials of the environmental professional(s) responsible for the Phase I ESA. The report will include the environmental professional's opinion of the impact of recognized environmental conditions in connection with the property. If the assessment reveals no evidence of RECs, then a statement to this effect will be made in the report.

Non-ASTM-Scope Considerations

The following non-ASTM-scope considerations are added to the Credere's scope of work as a part of this Phase I:

- Radon
- Asbestos
- Lead Based Paint
- Polychlorinated Biphenyls (PCBs) Containing Equipment
- Wetlands

These are included as a part of this Phase I ESA because they are deemed to add value for assessments conducted under the LRPC Brownfields Program.

APPENDIX C

SITE PHOTOGRAPHS





Picture 1

View of the Scribner Building looking northwest.



Picture 2

View of the Scribner Building and exterior transformer area looking southwest.

Phase I Environmental Site Assessment
Former L.W. Packard Mill
 6 Mill Street, Ashland, NH
 NHDES #200009045

Credere Associates, LLC
 776 Main Street
 Westbrook, ME 04092





Picture 3

View of the warehouse building, loading docks, and parking area looking northwest from Mill Street.



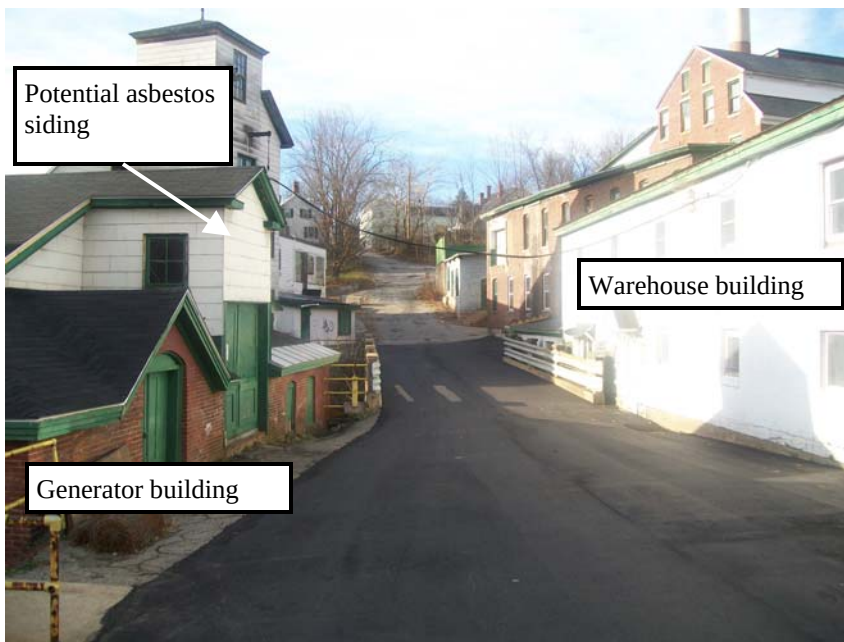
Picture 4

View of Storage Shed #1 looking west from Mechanic Street. Note the white potential asbestos siding.



Picture 5

View of Storage Shed #2 looking northwest. Note the potential asbestos siding.



Picture 6

View of the subject property from Hill Street looking west. Note the potential asbestos siding on the generator building.



Picture 7

View of transformer yard and landscaped area outside generator building (left) looking northwest.



Picture 8

View of suspect fill materials located west of Shed #2.



Picture 9

View of transformer located southeast of warehouse building.



Picture 10

View of warehouse building metal shop and loading dock area.



Picture 11

View of condensate sump observed in metal shop.



Picture 12

View of Central Powder Coating paint booth.



Picture 13
View of Central
Powder Coating
sandblasting booth.



Picture 14
View of trans-
former in Central
Powder Coating
area.



Picture 15

View of grease covered elevator equipment and wood planks.



Picture 16

View of potential transformer pads outside electrical parts storage room in warehouse building.



Picture 17
View of elevator shaft pit in southern basement with staining.

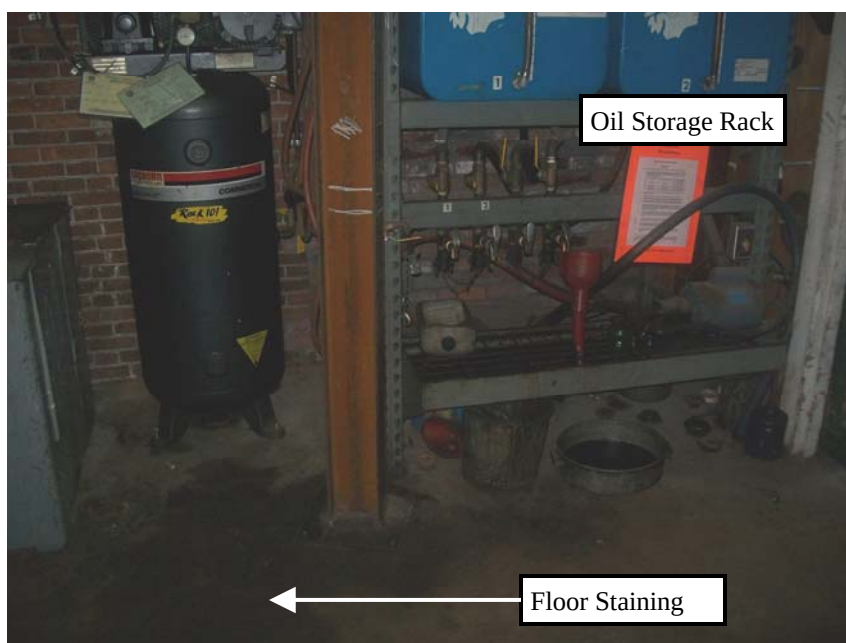


Picture 18
View of potential transformer pad in the bag room.



Picture 19

View of floor staining around metalworking machine in generator building.



Picture 20

View of floor staining around oil storage rack in generator building.



Picture 21

View of waste fluorescent lighting ballasts observed in the generator building.



Picture 22

View of ground floor of the Scribner Building.

APPENDIX D
PRIOR ENVIRONMENTAL DOCUMENTS

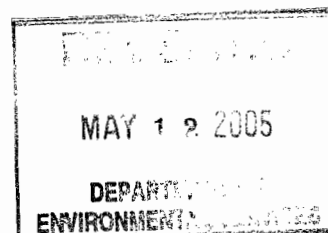


PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

**L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
ARC Project No. LW-04742
March 4, 2005**

Prepared By:

**James B. Zeppieri, P.G.
603-746-4156**



Prepared For:

**Mr. John Glidden
President
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire 03217**

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L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire

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3. Sampling Analytical Results, Samples Collected on April 6, 2004 and May 5, 2004
4. Sampling Analytical Results, Samples Obtained on June 21, 2004
5. OVA Headspace Screening of Soils for Volatile Organic Compounds, April 6, 2004
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2. Aerial Photograph
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4. USGS Historic Topographic Map - 1956
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- B. NHDES Correspondence and Documentation for USTs and ASTs
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- D. L. W. Packard Operations Information
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Information
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PHASE I ENVIRONMENTAL SITE ASSESSMENT

**L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
ARC Project No. LW-04742**

1.0 EXECUTIVE SUMMARY

ARC Environmental Consultants, Inc., (ARC) has completed an Environmental Site Assessment of the L. W. Packard and Company, Inc., property for L. W. Packard and Company, Inc., 6 Mill Street, Ashland, New Hampshire (the Client). The purpose of this study is to characterize current environmental conditions and to detect the presence or potential presence of hazardous substances and petroleum products at the Packard property. ARC personnel inspected the Packard property on March 14, 2004 and January 27, 2005.

The Packard property consists of a complex of contemporary and nineteenth century mill buildings built along the relatively narrow valley of the Squam River just beyond the town center of Ashland, Grafton County, New Hampshire. The Packard property has a total footprint of 15.72 acres. Textiles were first manufactured here in 1840. The L. W. Packard Company, Inc., is a well known manufacturer of fine woolen textiles and operated continuously in this complex of buildings between 1916 and 2002. Packard's manufacturing operations are now performed elsewhere. Administrative and sales offices remain at the Ashland location. Several Packard subsidiaries continue to operate within the complex and several tenants currently occupy portions of the buildings. Much of the infrastructure associated with textile manufacturing and most of the textile machinery are being removed or have been removed from the building complex.

The Packard property is included in the New Hampshire Department of Environmental Services (NHDES) OneStop database as an underground storage tank (UST) site, an aboveground storage tank (AST) site, a hazardous waste generator site, and an oil spill response site. It is also included on the U. S. Coast Guard National Response Center's database.

None of the tenants in the Packard complex of buildings is included in the NHDES OneStop database.

The Packard property is not included on the NHDES OneStop database as a groundwater management permit site, a remediation site, or a solid waste disposal site. One abutting property, the Ashland Fire Department, is included on the NHDES OneStop database as an oil spill response site.

Neither the Packard property nor any abutting properties are included on the U. S. Environmental Protection Agency's (EPA) National Priorities List (Superfund); or the EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list (active or archived).

A review of lists and databases maintained by the NHDES, the U. S. Coast Guard, and the EPA indicates that there are no sources of subsurface contamination, located within about $\frac{1}{4}$ mile of the Packard property, which are expected to have impacted the Packard property.

The results of soil analyses for samples taken from throughout the property by ARC in April and June 2004 show some impacts to soils, primarily to those soils around the former fuel oil underground storage tanks. A limited program of sediment sampling and analysis did not document any impacts to sediments in the Squam River. No information was developed by ARC to definitively assess groundwater quality conditions.

Recognized or potentially adverse environmental conditions observed at the Packard property on the days of the site inspection by ARC include the following:

- The presence of asbestos containing materials;
- The presence of surfaces covered with paints that contain lead;
- The presence of aboveground storage tanks for fuel oil;
- The presence of electric power transformers containing polychlorinated biphenyls (PCBs);
- The presence of fluorescent light bulbs and fluorescent light bulb fixtures;
- The presence of hazardous wastes and the presence of chemicals that, if determined to be wastes, would also be

categorized as hazardous wastes; and

- The former presence of underground storage tanks that have impacted soil quality conditions.

ARC Environmental Consultants, Inc., makes the following recommendations:

- Before site redevelopment can begin, an inventory of all electric power transformer equipment both within and outside of the buildings needs to be conducted to determine which, if any, of these transformers contain PCBs;
- All chemicals associated with the former textile manufacturing operations of L. W. Packard and Company will either need to be disposed of according to their respective waste characteristics or beneficially reused elsewhere;
- All spent fluorescent light bulbs will need to be disposed of as such;
- Information needs to be provided to the Packard Company by Elpakco Electronics with respect to what is used as a parts cleaner and how this chemical is managed once it is spent;
- Environmental compliance inspections need to be performed at Elpakco Electronics, Bonyman Jig, and Performance Chemicals to determine if each of these businesses is being managed in an environmentally responsible manner;
- All tenants and all operations in the Packard complex of buildings will need to continue to operate their respective businesses in an environmentally responsible manner;
- Soils impacted by releases from the former no. 6 fuel oil USTs need to be excavated and disposed of according to their waste characteristics;
- A report that summarizes the results of the year 2004 soil sampling needs to be submitted to the NHDES;
- Contaminated soil that was removed from the interior of the papermill building and stored on-site in drums needs to be disposed of according to its waste characteristics;
- Additional soil removal needs to be conducted inside the papermill building to remove those remaining soils that have

levels of contaminants above applicable NHDES standards:

- Activity and Use Restrictions will need to be adopted to address impacts to soil quality conditions in those areas where soil impacts are not attributable either to past uses of the papermill building or the former fuel oil USTs.

2.0 INTRODUCTION

2.1 Objectives

ARC Environmental Consultants, Inc., has completed a Phase I Environmental Site Assessment of the L. W. Packard and Company, Inc., complex of buildings along the Squam River in Ashland, Grafton County, New Hampshire. The purpose of this study is to characterize current environmental conditions and to detect the presence or potential presence of hazardous substances and petroleum products at the Packard property.

This report was prepared to satisfy the general requirements of a Phase I Environmental Site Assessment as defined in the ASTM Standard Practice for Environmental Site Assessments - Phase I Environmental Site Assessment Process Designation E 1527-00. This report is subject to the limitations set forth in Appendix A.

2.2 Scope of Work

This investigation comprised the following tasks: a visual inspection of the Packard property; an examination of environmental databases maintained by the NHDES, the U. S. Environmental Protection Agency, and the U. S. Coast Guard; a review of site-specific files at the offices of the NHDES in Concord, New Hampshire; a review of property specific files at the offices of the Town of Ashland; and a review of Sanborn fire insurance maps available through the Concord Public Library, Concord, New Hampshire.

Work tasks performed by ARC that are typically beyond the scope of a Phase I Environmental Site Assessment are also documented in this report. These tasks included the collection of soil samples from soil borings advanced at locations throughout the Packard property; field screening of samples collected from the soil borings; laboratory analysis of selected soil samples from the soil borings; collection of sediment samples from locations along the Squam

River; and collection of soil samples from within the former papermill building.

3.0 SITE LOCATION AND DESCRIPTION

3.1 Quick Property Reference:

Legal Description: Ashland Tax Map 17:
Block 4, Lots 14, 15, 16, 20 and 22;
Block 7, Lot 7;
Block 8, Lots 2 and 3; and
Block 11, Lot 7.

Address: 6 Mill Street and 39 Winter Street, Ashland, New Hampshire.

Owner: L. W. Packard and Company, Inc., 6 Mill Street, P. O. Box 515, Ashland, New Hampshire 03217.

Size: 15.72 acres.

Zoning: Commercial.

Utilities: Ashland municipal systems for electricity, sewer, and water. On-site electric power generation using hydro and propane.

Structures: Numerous - many of which are nineteenth century textile mill buildings.

3.2 Site Location and Description

The Packard property consists of a complex of mill buildings located in a mixed residential and commercial area of Ashland, New Hampshire that formerly housed the textile manufacturing operations of the L. W. Packard and Company, Inc. The property location is depicted on Figure 1, Site Location Map. Figure 6 is a portion of Ashland tax map 4 that includes the Packard property. Figure 2 is a 1998 aerial photo that includes the Packard property. Figure 8 is the site plan that shows past and current uses of the buildings. Figure 9 shows the locations of soil and sediment samples collected by ARC in 2004. Photos 1 through 30 illustrate various site features. Table 1 provides a summary of each of the lots that comprise the complex. Tables 1 through 6 immediately follow the text of this report.

Utilities available to serve the Packard property include the municipally owned electric power, water, and wastewater treatment systems operated by the Town of Ashland. There is also an on-site

water powered turbine and electric power generator, powered by the Squam River; as well as an on-site emergency electric power generator fueled by propane.

4.0 SITE HISTORY

4.1 Current Ownership

According to information on file with the Town of Ashland, the current owner of the Packard property is L. W. Packard and Company, Inc., 6 Mill Street, Ashland, New Hampshire.

4.2 Current Use

The Packard property is no longer used for textile manufacturing by L. W. Packard and Company. These activities ended in 2002. Portions of three of the buildings, the former old card room building, the Scribner building, and that part of the main mill complex referred to as the wet finish area, are currently used as a commercial laundry by L. W. Packard and Company. This laundry operates under two names, as registered with the New Hampshire Secretary of State. Packard Steam Laundry, L.L.C., provides linen services for institutions such as hospitals and schools. Packard Safety Cleaning provides specialized cleaning services for firefighters' uniforms. More information about Packard Safety Cleaning is included in Appendix D. A portion of another building is used by Packard for retail sales of snowmobile clothing with the brand name of Minus 33.

Textile manufacturing machinery has gradually been removed from the property over the last few years. This machinery has been shipped elsewhere for reuse. In some areas of the building, such as the wet finish area, removal of this machinery and equipment has been delayed by logistical and structural constraints.

There are also several tenants using various portions of the buildings. Figure 8 shows the locations of each of the following three tenants:

Elpakco, Inc., (Elpakco Electronics), Westford, Massachusetts. Elpakco uses space within the Packard buildings as a machine shop for the manufacture of interconnect components. Additional information about Elpakco is included in Appendix E.

Bonyman Jig, c/o Robert Bonyman, Bonyman Company, 70 Chestnut

Road, Tewksbury, Massachusetts. This company operates a small machine shop within the Packard buildings. The Bonyman Jig is a tool that is attached to a wood molder to make curved moldings. Bonyman also makes molding knives for wood molder-planers. Additional information about the Bonyman Jig is also included in Appendix E.

Performance Chemicals, 225 Corn Hill Road, Boscawen, New Hampshire 03303. Performance Chemicals is a specialty chemicals distributor that operates a warehouse in a portion of the Packard buildings. Performance Chemicals repackages and distributes bulk chemicals for commercial users such as municipal water and wastewater treatment plants and papermills. Additional information about Performance Chemicals is also included in Appendix E.

4.3 Prior Ownership

Information provided to ARC by Packard indicates that the Packard family purchased the Squam Lake Woolen Company mill in 1916. In 1921, Lawson Glidden began a business association with his uncle, Luther Packard, in the operations and ownership of the mill. Ownership of the property, including subsequent acquisitions of nearby properties, has remained within the Glidden and Packard families since that time. Section 4.5 below provides additional information about past ownership.

4.4 Previous Investigations

The NHDES OneStop database reviewed by ARC did not indicate that there were any previously performed site investigations for the Packard property that had been submitted to the NHDES.

On April 7, 1992, the NHDES requested that Packard perform a limited site investigation in the area of the former fuel oil USTs to determine the extent of soil contamination. It does not appear that work to specifically address this letter was completed and submitted to the NHDES. A copy of the NHDES letter is included in Appendix B of this report.

On August 5, 1992, the NHDES requested that Packard provide the NHDES with information on soil quality conditions around the former 6,000 gallon mineral oil UST that was closed on June 22, 1992. It does not appear that a response to this letter was completed by Packard and submitted to the NHDES. A copy of the August 5, 1992 NHDES letter is included in Appendix B of this report.

In 1995, Todd Malcolm, a graduate student in the Chemical Engineering Department at the University of New Hampshire, Durham, completed a Dye Recovery Project for L. W. Packard and Company. Packard operates an on-site wastewater pretreatment system to pretreat process wastewaters before they are discharged to the Town of Ashland's municipal wastewater treatment system. The study focused on developing methods for both the pretreatment plant and the municipal wastewater treatment plant to effectively process wastewater with fabric dyes. Photo 27 shows the on-site pretreatment system. This pretreatment system continues to operate and serves the two Packard commercial laundries.

4.5 Site History

Information on the past history of the Packard property includes information provided to ARC by Packard as well as information reviewed by ARC at the offices of the Town of Ashland, and Sanborn fire insurance maps.

Included in Appendix C of this report are copies of Sanborn fire insurance maps that include the Packard property for the years 1892, 1897, 1902, 1912, 1923, 1929, and 1929 with modifications made by the U. S. Bureau of the Census. The content of these maps can be summarized as follows:

1892. For the northeast part of the Packard property along the west side of the Squam River, there are three buildings associated with the R. H. Hart Woolen Mill. The outbuildings now owned by Packard along the west side of Mechanic Street also appear on this map, although Mechanic Street is not shown on this edition of the map. On the east side of the river, there is a building referred to as the Dexter Sanborn box shop and another building owned by Hiram Hodge.

South of Hill Street and east of the Squam River, there is a building shown as owned by the Ambrose Scribner Estate, at least part of which exists to this day as the red brick Scribner building. Further downstream is the C. B. Fosdick Buckskin Factory. On the west side of the Squam River is the Ashland Knitting Company. One boiler, probably coal fired, is associated with this complex of textile mill buildings.

For the extreme western part of the Packard property along Winter Street, there are three buildings associated with the Wilder and Company Paper Mill No. 3. There is also a railroad siding that serves this building.

1897. The outbuildings immediately north of the R. H. Hart Woolen Mill are no longer present. The building along the east side of the Squam River owned by Hiram Dodge is referred to as the H. C. Dearborn and Company leather board factory.

For the Ashland Knitting Company, this business has apparently taken over the buildings located south of Hill Street along the east side of the Squam River. There is also a dam along the Squam River just below the bridge over Hill Street.

For the extreme western part of the Packard property along Winter Street, there are no substantive changes from the 1892 map.

1902. The buildings along the east side of the Squam River have apparently been incorporated within the R. H. Hart woolen mill and a building has been constructed over the Squam River. The carbonizer building is shown as under construction and the boiler and coal storage area are clearly present. The lots on the west side of Mechanic Street, including outbuildings now owned by Packard, are more clearly delineated. Other buildings are also shown on the opposite side of the steel bridge over the Squam River.

South of Hill Street, the Ashland Knitting Company is referred to as a hosiery mill. There is also a boiler adjacent to the Scribner building.

For the extreme western part of the Packard property along Winter Street, the building is now referred to as the International Paper Company, paper mill no. 3. That portion of the Squam River that has been diverted under the building to provide water power for the building's operations is clearly shown. Also shown are a coal shed and boiler.

1912. This map indicates that the R. H. Hart woolen mill is now referred to as the Squam Lake Company Woolen Mill. Information for locations north and south of Hill Street have now been incorporated on the same map.

For the extreme western part of the Packard property along Winter Street, the building is now referred to as the Continental Paper Company, mill no. 3. The footprint of the mill building has been reconfigured and the location of the boiler and coal storage shed have been moved from their previous locations.

1923. The Squam Lake Woolen Company north of Hill Street is now referred to as L. W. Packard and Company, Inc. For both

the L. W. Packard and Company mill and the Ashland Knitting Company hosiery mill, there do not appear to be any substantive changes from the 1912 map, with the exception of a second boiler next to the original boiler. For the extreme west end of the property, along Winter Street, the building is now referred to as the Continental Paper and Bag Mills, mill no. 3.

1929. For both the L. W. Packard and Ashland Knitting mills, there do not appear to be any substantive changes from the 1923 map. For the extreme west end of the property, along Winter Street, the building is now referred to as the International Paper Company, Continental Paper and Bag Mills, mill no. 3. There do not appear to be any substantive changes from the 1912 map.

1929 with modifications. For the L. W. Packard, Ashland Knitting Mills and International Paper Company Mills, there do not appear to be any substantive changes from the 1929 maps.

5.0 RECOGNIZED ENVIRONMENTAL CONDITIONS

5.1 Underground and Aboveground Storage Tanks

A. Underground Storage Tanks

The NHDES list of UST sites does include the Packard property and there were formerly four USTs present. The NHDES UST facility registration number is 0112818.

Two twenty thousand gallon no. 6 fuel oil tanks were closed in 1988 by Jet Lines Services, Inc. A copy of the UST closure letter is included in Appendix B of this report. This Jet Line letter also indicated that there was one concrete 40,000 gallon no. 6 fuel oil UST. The 20,000 gallon USTs were removed from the property but the 40,000 gallon concrete UST was apparently filled in place. Before the 40,000 gallon tank was filled in place, it was cleaned. Soil samples taken from beneath this tank indicated that there were no releases from this tank. These three USTs were located adjacent to the boiler room, as shown on Figures 8 and 9. Additional information about these USTs is included in Appendix B of this report.

One 6,000 gallon mineral oil UST was closed on June 22, 1992. This UST was located in front of the Scribner Building, as shown on Figures 8 and 9. On June 24, 1992, the NHDES received notification from Packard that this UST had been closed. In response to this closure notification, the NHDES wrote to Packard on August 5, 1992 requesting information on soil quality conditions around this UST at the time of closure. Additional information about the former contents of this UST is included in Appendix B of this report.

B. Aboveground Storage Tanks

Two ASTs subject to regulation by the NHDES exist at the Packard property and the NHDES list of AST sites does include the Packard property. There is one 20,000 gallon no. 2 fuel oil AST that was installed in 1988 and is currently in use. There is a second 20,000 gallon fuel oil AST that was temporarily taken out of use in 2002. The NHDES AST facility registration number is 200009045.

5.2 Hazardous Waste Generation

The L. W. Packard Company is listed as a hazardous waste generator by the NHDES and has been assigned the EPA Hazardous Waste Generator identification number NHD001086230. Packard's hazardous waste generator status was last updated on March 26, 2003 when the NHDES was notified that hazardous waste generation activities were limited to the generation of universal wastes such as fluorescent light bulbs and batteries. Their current status also includes the designations *active* and *no size* (i.e., volume of waste per unit time).

Universal wastes are wastes that meet the definition of hazardous waste in the N. H. Hazardous Waste Rules, but which during accumulation and transport pose a relatively low risk compared to other hazardous wastes.

Packard also burns specification used oil as a boiler fuel. Specification used oil is a classification for used oil adopted by the NHDES for used oils that have not been impacted by various regulated contaminants.

When Packard was engaged in textile manufacturing in Ashland, the extent and nature of hazardous waste generation activities were considerably greater than at this time. Types of wastes that were reported to the NHDES included mineral spirits, high flash mineral spirits, combustible liquids, water/oil mixtures, no. 6 fuel oil sludges, PCBs, sulfuric acid, formic acid, mineral oil sludge, and

formic acid.

On December 1, 1997, Packard was issued a Hazardous Waste Limited Permit by the NHDES to allow for the operation of an elementary neutralization unit for process wastewaters.

5.3 Stained Soil

Staining was observed along the concrete retaining wall of the former underground storage tank area near the intersection of Hill and Mechanic Streets, as shown on Photo 8. In the past, before the no. 6 fuel oil USTs were closed, there were releases of no. 6 fuel oil to the soils around these USTs. There has also been some seepage of this fuel oil into the lower levels of the boiler room area and a basement foundation wall along the west side of the boiler room. Some of the impacted soil behind the foundation wall of the boiler room has been removed. These interior seeps are illustrated on Photos 18 and 22.

5.4 Floor Drains

There are numerous floor drains throughout the complex of mill buildings. When the Packard wastewater treatment system was upgraded, all floor drains were either sealed with concrete or routed to the on-site wastewater pre-treatment system.

Photo 16 shows one of these floor drains.

5.5 Electric Power Transformers/PCBs

There are numerous indoor and outdoor electric power transformers within and outside of the Packard buildings.

5.6 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons (man-made or natural), likely to hold or to have held hazardous substances or petroleum products, are located on the Packard property.

5.7 Solid Waste Disposal

No evidence of any substantive amounts of illegal solid waste disposal was observed at the Packard property on the days of the site inspection by ARC personnel.

5.8 Asbestos and Asbestos Abatement Activities

A. Current Presence of Asbestos

There was only limited evidence of asbestos containing material (ACM) observed on the days of the site inspection by ARC. For pipes covered with insulation that were observed by ARC, the insulation was fiberglass insulation. There was a very small amount of insulation, apparently composed of asbestos, that was observed on the floor in a small storage room in the very lowest level of the building that houses the office area. The possibility exists that asbestos containing insulation is present in either or both of the two boilers. ACM may also be present in roofing materials, siding materials and other construction materials within any of the buildings.

B. Past Asbestos Abatement Activities

In December 1989, American Abatement Associates, Rochester, New Hampshire, completed asbestos abatement activities that consisted of the removal of asbestos insulation covering about 730 linear feet of pipe in the boiler room, under the boiler house, in the short tunnel, in the Hill Street Tunnel, the dye house, the maintenance shop alley, and the generator room. Bradford Environmental Services, Bradford, Massachusetts, performed a post-abatement inspection. The results of this inspection indicated that all areas where asbestos abatement had been performed were in compliance with indoor air standards for asbestos materials.

In January and February 1991, American Abatement Associates, Rochester, New Hampshire, completed asbestos abatement activities that consisted of the removal of asbestos insulation covering about 280 linear feet of pipe in the second floor machine room.

In September 1993, Astec Asbestos Technologies, Inc., Merrimack, New Hampshire, disposed of transite that was shipped on textile equipment purchased by Packard from a manufacturer in Spain.

5.9 Lead Paint

Because of the age of all of the buildings except the most recently built concrete and steel framed new yarn plant, it is very likely that interior and exterior painted surfaces have been covered with paints that contain lead.

5.10 Wetlands, Source Water Protection, and Protected Shorelands

Wetlands do not exist at the Packard property.

According to the Flood Insurance Rate Map (Community Panel No. 330042-05, dated April 2, 1986), those portions of the Packard property closest to the Squam River are located in a flood hazard category A, which is within the 100 year flood hazard zone. The remaining portions of the Packard property are located in a flood hazard category C, which is in an area of minimal flooding.

The Packard property is not located within the source water protection area for a public water supply as designated by the NHDES.

The Packard property is not under the jurisdiction of the New Hampshire Comprehensive Shoreland Protection Act.

The Squam River has not been designated for protection under the New Hampshire Rivers Management and Protection Program, administered by the NHDES.

5.11 Radon

ARC personnel reviewed the U. S. EPA Map of Radon Zones for Grafton County, New Hampshire. This information indicated that predicted values for radon in indoor air ranged from about two to four picocuries per liter for Grafton County. This range of values has been determined by EPA to represent a moderate need for the implementation of radon abatement measures in new building construction. Values for radon in indoor air can vary widely within Grafton County and the values presented on the EPA map should not be used to predict site specific values or the need to implement abatement measures. Actual sampling is needed to determine levels of radon in indoor air. The fact that a building is constructed on an on-grade concrete foundation without a basement does not preclude exposures to radon in indoor air.

6.0 REGULATORY FILE REVIEW

6.1 Federal and State Records Review

A. Underground and Aboveground Storage Tanks

ARC personnel reviewed the NHDES OneStop database for all properties with USTs and ASTs located within $\frac{1}{4}$ mile of the Packard property, as of January 19, 2005. The Packard property is included on the NHDES listings of AST and UST sites. No abutting properties appear on the NHDES listing of registered UST or AST sites. There

are six listed UST facilities within about $\frac{1}{4}$ mile of the Packard property. There are two listed AST facilities within about $\frac{1}{4}$ mile of the Packard property, both of which are also UST facilities. Additional information about these UST and AST sites is provided below in Section 6.1F and on Table 2. Figure 5 shows the locations of these AST and UST sites.

With the exception of the Cumberland Farms UST site, all of these AST and UST sites are either sidegradient or downgradient of the Packard property. Therefore, it is very unlikely that any of these other sites have the potential to cause adverse environmental conditions at the Packard property.

B. Hazardous Waste Generators

ARC personnel reviewed the NHDES OneStop database for all properties located within $\frac{1}{4}$ mile of the Packard property that have been identified as generators of hazardous waste, as of January 19, 2004. The Packard property is listed as a hazardous waste generator. No hazardous waste generators abut the Packard property. There are eight hazardous waste generators within about $\frac{1}{4}$ mile of the Packard property. Figure 5 shows the locations of these hazardous waste generators. Additional information about these hazardous waste generators is included on Table 2.

None of these hazardous waste generators has been included in the NHDES site remediation program because of releases of hazardous waste to the environment. Accordingly, it is very unlikely that any of these sites, as hazardous waste generators, could have caused adverse environmental conditions at the Packard property.

C. CERCLA Sites

There are no properties within a one mile radius of the Packard property that have been designated as National Priorities List (NPL or Superfund) sites under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA).

D. CERCLIS Sites

There are no sites located within $\frac{1}{2}$ mile of the Packard property that are listed on the EPA's Comprehensive Environmental Response, Compensation, and Liability Information Systems (CERCLIS) database report updated to January 22, 2005.

There are no sites located within $\frac{1}{2}$ mile of the Packard property that are listed on the CERCLIS database of archived sites as of the same date.

E. National Response Center Database

The U. S. Coast Guard National Response Center's database (current to February 13, 2005) was reviewed by ARC personnel on February 23, 2005. This database did contain one incident report for the Packard property and one incident report for the abutting Ashland Fire Department property. For the Ashland Fire Department spill of December 18, 1998, this is discussed below in Section 6.1F. For the Packard property, on January 31, 1990, 3600 gallons of sulfuric acid were released to the Squam River because of a broken pipe.

F. Waste Management Division - Remediation Sites

The NHDES OneStop database lists sites where documented releases of petroleum products or hazardous wastes to the environment have occurred that require regulatory action. Listed active sites typically have soil and/or groundwater contamination at concentrations in excess of regulatory standards. This database also lists sites where remedial action has been completed (site closure), where site investigation activities revealed that no contamination was present, or where contamination was present but at levels below regulatory standards. Figure 5 is a copy of the NHDES OneStop map that includes the Packard property and nearby remediation sites.

The Packard property is not included on the NHDES list of remediation sites. No listed remediation sites abut the Packard property. There are six sites located within about ¼ mile of the Packard property that appear on the database of remediation sites. Additional information about these remediation sites is included in Table 2.

ARC's review and interpretation of the groundwater flow information presented on Figure 7 of this report indicates that only one of these six remediation sites could reasonably be expected to be upgradient of the Packard property. This upgradient site is the Cumberland Farms gasoline station at 2 Main Street. It is very unlikely that the remaining five sites, all of which are either sidegradient or downgradient of the Packard property, have the potential to cause adverse environmental conditions at the Packard property. For the Cumberland Farms site, the NHDES has not required a groundwater management permit for this site. They have also not required any further site investigation work beyond the initial site characterization phase. Accordingly, it is very unlikely that there have been any releases from this site that have the potential to cause adverse environmental conditions at the Packard property.

The NHDES OneStop database also includes a list of Initial Response Oil Spill Sites for incidents dating back to January 1995. This list indicates that one incident did occur at the abutting Ashland

Fire Department on Main Street in 1998. The spill file for this incident was closed and no environmental impacts were noted. There was also a spill incident at Buskey's Auto in 2000. No impacts were noted and the file has been closed on this incident. For the Packard property, there is one record of a spill since 1995. On May 30, 2000, there was a fifty gallon spill at one of the ASTs while this AST was being filled. The file for this incident has also been closed.

G. Analysis

Based on our review of NHDES, EPA, and National Response Center lists and databases as well as site specific NHDES files, it is the opinion of ARC Environmental Consultants, Inc., that the Packard property is not at risk from the migration of subsurface contaminants originating from off-site sources.

7.0 VISUAL INSPECTION

7.1 Observations

A. Introduction

Gary Ambelas and Jim Zeppieri of ARC Environmental Consultants, Inc., visually inspected the Packard property on January 27, 2005. At the time of the site inspection, the grounds were covered with a least one foot of snow. The site was also previously inspected by ARC on March 14, 2004. Photos 1 through 30 show various interior and exterior views of the Packard property. The photos included in this report are those taken by ARC on March 14, 2004.

With the exception of the recently constructed concrete and steel building referred to as the new yarn plant, the freestanding Scribner building, and the three outbuildings along Mechanic Street, the layout of the remaining buildings is relatively complex and reflects numerous additions and modifications that have been undertaken since the Packard property was first developed for textile manufacturing around 1840. A review of the Sanborn fire insurance maps included as Appendix C does provide some additional information on how the configuration of the buildings evolved in the late nineteenth and early twentieth centuries.

Although not shown on photographs in this report, and in addition to the building function areas delineated on Figure 8, there are numerous small rooms scattered throughout all of the older buildings that are or have been used for storage, building maintenance, systems maintenance or machinery maintenance.

B. Building Exteriors and Grounds

Photo 1 shows the offices in the left background and the former finishing (dry finishing) area in the right foreground. Photo 2 illustrates the freestanding Scribner building. Behind that building is a white wood framed building that houses the machine shop operations of Elpakco Electronics. To the left of the Scribner building is the building now used as the Packard Steam Laundry. In the foreground of Photo 2 is the Packard parking lot. Photos 3 and 4 show alternate views of the buildings shown in Photos 1 and 2. Photos 5 through 8 show areas used or formerly used for aboveground or underground storage tanks. Photo 9 shows the three utility buildings along Mechanic Street, looking southwest. Photo 10 shows a typical view of how the Squam River flows beneath the complex of mill buildings. Photos 11 through 14 provide additional views of the mill building complex. Photo 15 illustrates the upstream gatehouse building.

C. Building Interiors

Photos 16 through 30 illustrate various interior views. Photo 16 shows one of many floor drains observed throughout the building complex. Photo 17 illustrates one of several chemical storage racks also observed throughout the buildings. These racks were observed to store various types of hydraulic and lubricating oils used in the textile manufacturing machinery. Photo 18 shows seeps of no. 6 fuel oil from the former no. 6 fuel oil USTs along the foundation wall of the boiler room. Photo 22 shows additional seeps along a wall near the boiler room. Photo 20 illustrates the stream boilers. Photo 21 shows a parts washer in a corridor between the boiler room and a maintenance/machine shop. Photo 23 shows the Packard Steam Laundry, a currently operating L. W. Packard and Company subsidiary. Photo 24 illustrates an interior view of one of the two labs shown on Photo 10. Photos 25 and 26 illustrate the currently operating machine shop of the tenant, Elpakco Electronics. Photo 27 shows the wastewater pre-treatment plant in the lowest level of the building immediately south of Hill Street (private right of way running to Hill Street). Photo 28 illustrates the aboveground no. 6 fuel oil storage tanks that currently serve the boilers. One of these tanks was temporarily taken out of service in August 2002, according to the NHDES OneStop database for aboveground storage tanks.

Photos 29 and 30 show interior views of the upstream, off-site Gate House building that includes hydroelectric power generation machinery and equipment.

7.2 Hazardous Substance Identification

Regulated or potentially hazardous substances were observed both in storage and in use at the Packard property on the days of the site inspection by ARC personnel. These substances include chemicals formerly used in the manufacturing operations of Packard that are still present throughout the buildings; chemicals used in the commercial laundries; chemicals used in building maintenance such as boiler treatment chemicals and chemicals used in the on-site wastewater treatment system; chemicals stored within a portion of the building used as a warehouse by Performance Chemicals, a distributor of chemicals; and chemicals used by Elpakco, a machine shop.

7.3 Area Reconnaissance

Potential environmental concerns observed within $\frac{1}{4}$ mile of the Packard property include those sites listed on Table 2 of this report. There were no other potential environmental concerns observed within $\frac{1}{4}$ mile of the Packard property that can reasonably be expected to have caused adverse environmental conditions at the Packard property.

8.0 ENVIRONMENTAL SETTING

8.1 Topography

Topography at the Packard property has been affected by site development that began in the 1840s. Parts of the property, such as beyond the south side of the concrete and steel new yarn plant, are quite flat. There are some steep slopes along the riverbank of the Squam River. Ground surface elevations range from a high of 570 feet (referenced to NGVD) along the west side of Mechanic Street, to a low of about 490 feet along the bottom of the Squam River, adjacent to the former papermill building. The linear distance between these two extreme elevations is about 1500 feet.

8.2 Surface Water Characteristics

No site specific information has been either developed by ARC or provided to ARC concerning surface water quality characteristics. It is ARC's understanding that some surface water flows from the Packard property have been routed to the property's wastewater pre-treatment collection system.

8.3 Groundwater Characteristics

There is no known site specific information on groundwater quality characteristics.

The report *Geohydrology, Yield, and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central New Hampshire*, includes information on groundwater flow directions adjacent to the Packard property. This report indicates that the Squam River receives groundwater discharges from those areas immediately adjacent to the Packard property. Although this report does not specifically provide information about groundwater flow directions at the Packard property, it can reasonably be concluded that groundwater at the Packard property discharges to the Squam River.

For the extreme southern part of the Packard property, just off of Mill Street, groundwater probably discharges to Ames Brook. Figure 5 is a portion of Plate 2 from the report cited above that includes the Packard property. This figure also includes groundwater flow directions.

8.4 Site Geology

Site specific information on the geology of the Packard property is available from the report *Geohydrology, Yield, and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central New Hampshire*. This report indicates that the surficial materials at the Packard property are glacial till, except immediately along the Squam River, where the deposits are stratified drift composed of fine and medium sands; and sand and gravel. ARC expects some surficial materials are actually fill.

According to the Bedrock Geologic Map of New Hampshire, bedrock at the Packard property has been mapped as the Early Devonian Kinsman Granodiorite, a foliated granite, granodiorite, tonalite and minor quartz diorite, with large megacrysts of potassium feldspar.

9.0 SOIL AND SEDIMENT SAMPLING

9.1 Introduction

Because of the long history of use as a manufacturing plant, ongoing concerns with releases of fuel oil to soils, and potential releases of other chemicals to the ground, ARC performed two rounds of soil sample collection in April and June 2004.

The site-specific chemicals of concern include volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), poly aromatic

hydrocarbons (PAHs), acid and base neutral extractable compounds (ABNs), polychlorinated biphenyls (PCBs), and metals, expressed as the eight Resource Conservation and Recovery Act (RCRA) metals. VOCs are associated with petroleum products, certain textile dyes, tar removers used in wool fleece cleaning, and industrial solvents. PAHs are associated with the heavier petroleum constituents found in fuel oil. ABNs are associated with products derived from coal. Metals have been associated with coal ash and many types of industrial processes including leather tanning. PCBs are associated with electric power transformers. Additional analyses that were performed include reactive sulfide, reactive cyanide, and flashpoint. Flashpoint analyses are performed in order to help determine how contaminated soils can be transported off-site for treatment and disposal, if required.

9.2 Soil Sample Collection

On April 6, 2004, ARC Environmental Consultants, Inc., in conjunction with New Hampshire Boring, Inc., of Londonderry, New Hampshire, advanced 12 soil borings at the Packard property to determine on-site soil quality conditions. The soil borings were advanced using a Geoprobe® Model 6610 DT soil probing machine. During advancement of these soil borings, continuous soil samples were collected with Geoprobe tools at five foot intervals. The samples were collected in five foot long transparent plastic sleeves. These sample locations are shown on Figure 9. Table 6 provides a summary of the observations made by ARC personnel as the soil borings were performed.

On May 5, 2004, ARC collected samples from the drums that were filled with impacted soil that was removed from the interior of the papermill building. The samples were composited and submitted for analysis with the sample designation *Papermill-2*. In order to confirm that all impacted soils had been removed from inside the papermill building, a confirmation soil sample was collected with the sample designation *Conf*.

On June 21, 2004, ARC and New Hampshire Boring again mobilized at the Packard property with the same Geoprobe® Model 6610 DT soil probing machine to collect soil samples from an additional eight Geoprobe® soil borings. These locations are also shown on Figure 9.

Also on this day, additional soil samples were collected from the interior of the papermill building to better characterize soil quality characteristics. Composite samples were collected from the area where impacted soils had previously been removed and placed in drums. This sample was designated as *PM Conf. 2*. A second composite sample was taken from an area within the papermill building where no soils had previously been removed. This sample was given the

designation *PM Base*.

9.3 Sediment Collection

Because of the potential for past releases of wastes and process chemicals from the Packard plant to the Squam River, sediments from the bottom of the Squam River were collected from two locations on April 6, 2004. These locations are also shown on Figure 9. Samples were collected from locations that are relatively upstream and downstream, with respect to the Packard property.

9.4 Soil Field Screening

The samples from soil borings B1 through B12 were analyzed on-site, using headspace vapor methodology, with a Thermo Environmental Model 580B photoionization type organic vapor analyzer (OVA). The 580B OVA has a sensitivity of 0.1 parts per million (ppm), and was calibrated to a benzene standard using a reference gas of isobutylene. Ambient background levels and instrument drift displayed by the OVA were in the range of ± 0.1 ppm.

Each sample was placed in a new one gallon zipper lock plastic storage bag, which was then sealed. After the sample was gently agitated, the OVA probe was inserted through the seal into the headspace above the soil and the maximum vapor concentration, if any, was recorded.

The results of the OVA screening, presented in Table 5, indicate that low levels of VOCs were detected in some of the soil samples. Soil samples were not screened with the OVA during the June 2004 sampling round because samples were not submitted for VOC analyses. VOCs are typically the only suite of analytes that have a response with the OVA meter.

9.5 Soil Sample Preparation and Delivery

For those soil samples where analyses were performed for VOCs, five grams of soil were placed in clean 20 milliliter glass vials with teflon septum caps. Each sample was preserved with about 5 milliliters of methanol.

For those soil samples where analyses were performed for TPH, PAHs, ABNs, the eight RCRA metals, PCBs, reactive sulfide, reactive cyanide, and flashpoint, representative samples were transferred to clean four ounce glass jars with teflon lined screw down lids. The jars were packed as full as possible to minimize headspace.

All samples were placed in insulated coolers with ice packs immediately after collection for storage and transport. The soil

samples were delivered to Aquarian Analytical, Inc., in Canterbury, New Hampshire. Sample collection, transport, and delivery were performed following standard chain of custody protocol. Sediment samples were collected in the appropriate container for the respective analysis.

All soil laboratory analytical data and chain of custody documents are included in Appendix F.

9.6 Soil Analytical Methods and Results

A. Introduction

The analytical methods employed are those recommended in the NHDES sampling guidance document *Recommended Analytical Methods for Petroleum Contaminated Sites* and the NHDES *Risk Characterization and Management Policy* (RCMP).

The soil laboratory analyses are summarized on Tables 3 and 4. Concentrations of all analytes are expressed in milligrams per kilogram (mg/kg). The applicable NHDES soil standards are also listed for each compound where appropriate. For petroleum constituents (including lead), the applicable standards are from Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004. For all other chemicals, the standards are from the NHDES Risk Characterization and Management Policy (RCMP), revised May 2004. Concentrations in excess of the applicable standards are shown in bold type.

B. April 6, 2004 Sampling

For total petroleum hydrocarbons, levels were detected above applicable standards at the papermill sample, and from soil borings B5, B8, and B12. For these three soil borings, B5, B8, and B12, these impacts are attributable to releases from the former no. 6 fuel oil USTs.

For soil boring B2, at the location of the former 6,000 gallon UST, the soil samples collected by ARC did not appear to have been impacted by past releases from this UST and no samples were submitted for laboratory analysis.

For VOCs, levels were detected above the applicable standards from soil boring B5 only. For PAHs, levels were detected above standards from soil boring B12 only. Again, soil quality conditions at locations B5 and B12 have been impacted by the former fuel oil USTs.

For metals, levels were detected above applicable standards from soil boring B1 and the papermill no. 2 sample. The metals that were

detected at elevated levels were limited to lead and arsenic, which are typical for sites impacted by past industrial uses. For PCBs, levels were detected above the RCMP S-1 Soil Standards from the papermill no. 2 sample only.

C. May 5, 2004 Sampling

For the impacted soils placed in drums, represented as sample Papermill 2, the analytical results indicate levels of lead and PCBs above applicable standards. For the confirmation sample, represented as sample Conf., the levels of TPH were below applicable standards. No other analyses were performed for this confirmation sample.

D. June 21, 2004 Sampling

Although the number of soil borings advanced on this date was greater than the number in April 2004, the suite of analytes was not as extensive as in April 2004.

For PAHs, levels were detected above the NHDES standards from soil boring B20 only. For metals, levels were detected above standards from soil boring B16 only. The metal that was detected at an elevated level was arsenic, which is typical for sites impacted by past industrial uses. No other analytes were detected at levels above their respective soil standards for the samples taken from the soil borings.

For the two composite samples taken from the inside of the papermill building, total petroleum hydrocarbons were detected above standards from the sample designated as PM-CONF.2. This sample was taken within the former papermill building in order to provide additional information on whether or not past soil remedial activities were effective in meeting NHDES standards. For the sample taken from an area within the papermill building where no soils had been removed, all analytical parameters were below applicable standards.

D. Sediment Sampling

For the two sediment samples, analyses were performed by VOCs and the eight RCRA metals. For VOCs, none was detected. For the eight RCRA metals, the levels detected, if any, are expected to be well within the levels allowed by the NHDES December 2004 Draft Evaluation of Sediment Quality Guidance Document.

E. Significance of Data

For the elevated levels of TPH, VOCs and PAHs detected in samples

from soil borings B5, B8 and B12, these samples were obtained from at or near the former fuel oil USTs.

For the soil sample obtained from soil boring B2 at the location of the former 6,000 gallon UST, there were apparently no impacts to soil quality conditions from this UST.

For the sample designated as PM-CONF. 2, because the levels of TPH were above applicable standards, additional impacted soils in this area will need to be removed for off-site treatment and disposal.

10.0 CONCLUSIONS AND RECOMMENDATIONS

10.1 Conclusions

Based on the visual inspection, research, interviews, and other information gathered as part of this investigation, ARC Environmental Consultants, Inc., in its professional opinion, concludes the following:

- The Packard property, formerly used as an woolen textile mill manufacturing plant from around 1840 through 2002, is located along Mill, Mechanic, Hill and Winter Streets in Ashland, Grafton County, New Hampshire;
- The Packard property is included on the NHDES AST facility registration list, the NHDES UST facility registration list, the NHDES list of hazardous waste generators, and the NHDES list of oil spill response sites. It is also included on the U. S. Coast Guard National Response Center's database;
- The Packard property is not included on the NHDES lists of remediation sites, groundwater management permit sites, and solid waste sites. It is also not included on the EPA National Priorities List (Superfund) and the EPA CERCLIS list (active or archived);
- The following actual or potential adverse environmental conditions were noted: asbestos containing materials; surfaces covered with paints that contain lead; aboveground storage tanks for fuel oil; electric power transformers containing PCBs; fluorescent light bulbs and fluorescent light bulb fixtures; hazardous wastes and the presence of chemicals that, if determined to be wastes, would also be categorized as hazardous wastes; and the former presence of underground storage tanks that have impacted soil quality conditions;

- Groundwater at the Packard property is expected to discharge to the Squam River;
- ARC's review of lists and databases maintained by the NHDES and EPA indicates no sources of subsurface contamination, located within $\frac{1}{4}$ mile of the Packard property, which are expected to have impacted the Packard property;
- The results of soil analyses for samples taken from throughout the property by ARC in April and June 2004 show some impacts to soils, primarily in those soils around the former fuel oil underground storage tanks;
- A very limited program of sediment sampling and analysis did not document any impacts; and
- No information was developed by ARC to definitively assess groundwater quality conditions.

10.2 Recommendations

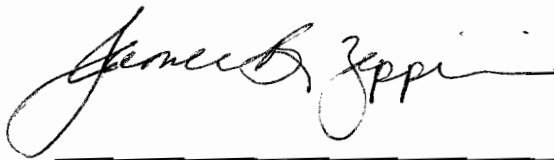
Based on the findings of this site assessment, ARC Environmental Consultants, Inc., makes the following recommendations:

- Before site redevelopment can begin, an inventory of all electric power transformer equipment both within and outside of the buildings needs to be conducted to determine which, if any, of these transformers contain PCBs;
- All chemicals associated with the former textile manufacturing operations of Packard will either need to be disposed of according to their respective waste characteristics or beneficially reused elsewhere;
- All spent fluorescent light bulbs will need to be disposed of as such;
- Active measures are needed to address impacts to soils from the former presence of no. 6 fuel oil underground storage tanks;
- Information needs to be provided to the Packard Company by Elpakco Electronics with respect to what is used as a parts cleaner and how this chemical is managed once it is spent;
- Environmental compliance inspections need to be performed at Elpakco Electronics, Bonyman Jig, and Performance Chemicals to determine if each of these businesses is being managed in an environmentally responsible manner;
- All tenants and all operations in the Packard complex of

buildings will need to continue to operate their respective businesses in an environmentally responsible manner;

- A report that summarizes the results of the year 2004 soil sampling needs to be submitted to the NHDES;
- Contaminated soil that was removed from the interior of the papermill building and stored on-site in drums needs to be disposed of according to its waste characteristics;
- Additional soil removal needs to be conducted inside the papermill building to remove those remaining soils that have levels of contaminants above applicable NHDES standards; and
- Activity and Use Restrictions will need to be adopted to address impacts to soil quality conditions in those areas where soil impacts are not attributable either to past uses of the papermill building or the former USTs.

ARC ENVIRONMENTAL CONSULTANTS, INC.

A handwritten signature in black ink, appearing to read "James B. Zeppieri", written over a horizontal line.

James B. Zeppieri, P.G.
Project Manager

11.0 REFERENCES

Federal:

U. S. Environmental Protection Agency:

CERCLIS Database for New Hampshire, (current to January 22, 2005).

Map of Radon Zones (indoor air quality),
www.epa.gov/iaq/radon/zonemap/zmapp30.htm.

U. S. Coast Guard:

National Response Center Database (current to February 13, 2005).

U. S. Department of the Interior:

Geohydrology, Yield, and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central New Hampshire, U. S. Geological Survey, Water Resources Investigations Report 94-4083, written by John Cotton and Joseph Olimpio, 1996.

Bedrock Geologic Map of New Hampshire, U. S. Geological Survey, Lyons, Bothner, Moench, & Thompson, 1997.

State:

New Hampshire Department of Environmental Services:

OneStop database for Public Water Systems, Hazardous Waste Generators, Remediation Sites, Initial Response Spill Sites, Groundwater Permit Sites, Aboveground Storage Tank Sites, Underground Storage Tank Sites, and Solid Waste Sites, current to January 19, 2005.

Draft Evaluation of Sediment Quality Guidance Document, December 2004.

Site specific files for those sites listed on Table 2; and spill response and town files for Ashland.

Local:

Sanborn fire insurance maps provided by the Concord, N. H. public library.

Property specific files at the offices of the Town of Ashland.

Table 1
Property Summary Table
L. W. Packard and Company, Inc.
Ashland, New Hampshire
All Land Within Ashland Tax Map 17

Block Number	Lot Number	Address	Area	Remarks
4	14	6 Mill St.	not known	Island in Squam River
	15	6 Mill St.	0.64 acres	Scribner Building, laundry and hydroelectric power station
	16	6 Mill St.	3 acres	Includes a portion of newest steel and concrete mill building
	20	39 Winter St.	0.56 acres	Building known as former papermill building
	22	6 Mill St.	2.32 acres	Includes a portion of newest steel and concrete mill building
7	7	6 Mill St.	0.72 acres	Building for aboveground storage tanks and two other buildings along Mechanic Street
8	2	14 Mill St.	7.92 acres	Includes all of mill buildings north of Hill St. and east of Mechanic St.
	3			
11	7	Mill St.	0.56 acres	Packard Parking Lot

Table 2
Hazardous Waste Generator, Initial Spill Response, Storage Tank and Remediation Sites Within About 1/4 Mile
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire

Site Designation Number(s)	Site Address	Site Name	Status and Remarks
0113708 - UST 198811024 - Site NHD510130677 - RCRA	North Main Street	Plymouth Stitching	No active tanks, one 10,000 gallon no. 2 heating oil UST closed in 1998. Inactive small quantity hazardous waste generator.
NHD000604512 - RCRA	North Main Street	Freudenberg-NOK	Active small quantity hazardous waste generator.
0110009 - UST 199301002 - Site Remediation, Spill Response and AST NHD510125719 - RCRA	89 Main Street	Buskeys Auto/Former Ashland Ecco	One closed 1,000 gallon kerosene aboveground storage tank; 2 closed gasoline USTs, 1 closed diesel UST, all three tanks closed in 1992; 2 active gasoline USTs; and active small quantity hazardous waste generator.
0111480 - UST 199504034 - Site NHD986482487 - RCRA	78 North Main Street	Ashland Mobil	4 gasoline USTs, 1 waste oil UST and 1 heating oil UST closed in 1988; 3 active gasoline USTs and 1 active diesel UST; and active small quantity hazardous waste generator.
0112904 - UST	School Street	Ashland High School	1 - 6,300 gallon no. 2 heating oil UST closed in 1991 and 1 active 5,000 gallon no. 2 UST.
NHD500008198 - RCRA	26 Winter Street	Winter Street Motors	Active small quantity generator

Table 2, Page 2
L. W. Packard and Company

Site Designation Number(s)	Site Address	Site Name	Status and Remarks
199811061 - AST	Collins Road	Public Service of New Hampshire, Ashland Substation	2 active ASTs
199910001 - Site Remediation 0112472 - UST NHD510016652 - RCRA	Collins Street	Ashland Electric Department	Has an active Groundwater Management Permit, SVE and air sparging system designed in 2004. Four USTs all of which were closed in 1999. No active USTs. Inactive small quantity hazardous waste generator as Ashland Highway Department.
199712033 - Site Remediation 0110749 - UST NHD982745150 - RCRA	2 Main Street	Cumberland Farms	File for site remediation programs closed. 3 active USTs and 3 closed USTs. Active small quantity hazardous waste generator.
198705020 - Site Remediation NHD510084635 - RCRA	East side of I- 93	Ashland Municipal Landfill	Active groundwater management permit. Active small quantity hazardous waste generator.
199812087 - Initial Response	Main Street	Ashland Fire Department	Closed initial response site.

Notes:

UST - underground storage tank.

AST - aboveground storage tank.

RCRA - Resource Conservation and Recovery Act (for hazardous waste generators).

Table 3
Sampling Analytical Results
L. W. Packard and Company, Inc.
Mill Street

Ashland, New Hampshire

Samples Collected on April 6, 2004 and May 5, 2004

All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION ¹	SED-1	SED-2	PAPERMILL	PAPERMILL-2	CONF.	B-1/S-4	B-5/S-4	B-8/S-4	B-12/S-1	NHDES Standard ²
CHEMICAL										
<i>Total Petroleum Hydrocarbons</i> (motor oil standard)	NS	NS	22,000	NS	6,300	ND	31,000	56,000	16,000	10,000
<i>Volatile Organic Compounds</i>										
sec-Butylbenzene	ND	ND	ND	NS	NS	ND	0.990	0.667	ND	130
Ethylbenzene	ND	ND	ND	NS	NS	ND	0.640	0.385	ND	140
Isopropylbenzene	ND	ND	ND	NS	NS	ND	0.464	0.280	ND	330
p-Isopropyltoluene	ND	ND	ND	NS	NS	0.741	0.338	ND	ND	390
Naphthalene	ND	ND	ND	NS	NS	ND	6.730	3.570	ND	5
n-Propylbenzene	ND	ND	ND	NS	NS	ND	1.020	0.589	ND	85
<i>Poly Aromatic Hydrocarbons</i>										
Benzo (ghi) perylene	NS	NS	ND	NS	NS	NS	ND	ND	1.40	870
Fluoranthene	NS	NS	ND	NS	NS	NS	ND	ND	1.70	1200
Indeno (1,2,3-cd) pyrene	NS	NS	ND	NS	NS	NS	ND	ND	1.20	1.2

Table 3, Page 2
L. W. Packard and Company

SAMPLING LOCATION CHEMICAL	SED-1	SED-2	PAPERMILL	PAPERMILL-2	CONF.	B-1/S-4	B-5/S-4	B-8/S-4	B-12/S-1	NHDES Standard
Phenanthrene	NS	NS	ND	NS	NS	NS	ND	ND	1.70	870
Pyrene	NS	NS	ND	NS	NS	NS	ND	ND	1.40	870
2-Methylnaphthalene	NS	NS	ND	NS	NS	NS	4.60	ND	ND	100
1-Methylnaphthalene	NS	NS	ND	NS	NS	NS	3.20	ND	ND	none
Acid Base Neutral Extractable Compounds										
Chrysene	NS	NS	NS	2.400	NS	ND	NS	NS	NS	120
Metals										
Arsenic	0.900	3.700	NS	4.000	NS	120.000	NS	NS	2.600	12
Barium	15.000	15.000	NS	110.000	NS	33.000	NS	NS	25.000	750
Chromium	4.300	11.000	NS	13.000	NS	7.000	NS	NS	11.000	1,000
Lead	64.000	8.500	NS	430.000	NS	43.000	NS	NS	73.000	400
Mercury	ND	ND	NS	3.300	NS	0.200	NS	NS	0.400	13
Selenium	ND	ND	NS	ND	NS	3.000	NS	NS	ND	260
Polychlorinated Biphenyls										
PCB 1248	NS	NS	NS	1.70	NS	NS	NS	NS	NS	1
Other Parameters										
Reactive Sulfide	NS	NS	NS	ND	NS	NS	NS	NS	NS	none
Reactive Cyanide	NS	NS	NS	ND	NS	NS	NS	NS	NS	100
Flash Point	NS	NS	NS	>165°F	NS	NS	NS	NS	NS	none

Notes for Table 3:

1. See Figure 9 for sample locations.
2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2004. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.
3. The soil standard for the total concentration of benzo (ghi) perylene; phenanthrene; and pyrene is 870 milligrams per kilogram.

Table 4
Sampling Analytical Results
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
Samples Collected on June 21, 2004
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION CHEMICAL	B-13 S-4	B-14 S-3	B-15 S-4	B-16 S-4	PSL B-1	PSL B-2	PM B-1	PM B-2	B-17 S-4	B-18 S-1	B-19 S-3	B-20 S-2	PM CONF. 2	PM BASE	NHDES Standard ²
Total Petroleum Hydrocarbons (motor oil standard)	NS	NS	NS	NS	NS	NS	360	260	ND	ND	190	190	14,000	1,000	10,000
Polyaromatic Hydrocarbons															
Acenaphthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	0.58	ND	ND	340
Anthracene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.58	ND	1.90	ND	ND	8700
Benzo (a) anthracene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.61	ND	3.00	ND	ND	1.2
Benzo (b) fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	4.10	ND	ND	1.2
Benzo (k) fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.48	ND	ND	ND	ND	12
Benzo (a) pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.63	ND	4.10	ND	ND	0.7
Chrysene	NS	NS	NS	NS	NS	NS	0.40	ND	ND	0.67	ND	2.60	ND	ND	120
Benzo (ghi) perylene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	3.10	ND	ND	870 ³
Fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	1.20	ND	ND	1200
Fluorene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	77
Indeno (1,2,3-cd) pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	1.2
Naphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	5
Phenanthrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	870 ³
Pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	870 ³
2-Methylnaphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	100
1-Methylnaphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	none
Metals															
Arsenic	1.40	1.500	3.800	87.00	3.900	2.900	2.500	3.000	NS	NS	4.000	6.0	3.0	4.000	12
Barium	NS	NS	NS	NS	NS	NS	82.00	30.00	NS	NS	28.00	43.0	34.0	41.00	750
Chromium	NS	NS	NS	NS	NS	NS	7.400	9.00	NS	NS	11.00	9.0	11.0	12.00	1,000

Table 4, Page 2
L. W. Packard and Company

SAMPLING LOCATION CHEMICAL	B-13 S-4	B-14 S-3	B-15 S-4	B-16 S-4	PSL B-1	PSL B-2	PM B-1	PM B-2	B-17 S-4	B-18 S-1	B-19 S-3	B-20 S-2	PM CONF. 2	PM BASE	NHDES Standard
Lead	NS	NS	NS	NS	NS	NS	35.00	110.0	NS	NS	9.000	120.0	77.0	49.00	400
Mercury	NS	NS	NS	NS	NS	NS	0.200	0.200	NS	NS	ND	0.10	0.70	0.700	13
Selenium	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	ND	ND	ND	ND	260
Polychlorinated Biphenyls															
PCB 1248	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	ND	0.66	ND	ND	1

Notes for Table 2:

1. See Figure 2 for sample locations.
2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2004. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.
3. The soil standard for the total concentration of benzo (ghi) perylene; phenanthrene; and pyrene is 870 milligrams per kilogram.

Table 5
OVA Headspace Screening of Soils for Volatile Organic Compounds
Samples Obtained on April 6, 2004
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire

Soil Boring	Sample	Sample Interval in Feet	OVA Reading in Parts per Million
1	S-1	0-5	0.5
	S-2	5-10	0.0
	S-3	10-15	0.5
	S-4*	15-20	9.4
	S-5	20-25	4.5
2	S-1	0-5	0.0
	S-2	5-10	0.2
3	S-1	0-5	0.5
	S-2	5-10	0.7
4	S-1	0-5	0.5
	S-2	5-10	0.6
5	S-1	0-5	0.0
	S-2	5-10	0.1
	S-3	10-15	0.1
	S-4*	15-19.5	13.9
6	S-1	0-5	0.0
	S-2	5-10	2.3
	S-3	10-15	5.7
	S-4	15-20	6.1
7	S-1	0-5	0.2
	S-2	5-10	0.1
8	S-1	0-5	0.0
	S-2	5-10	0.2
	S-3	10-15	0.0
	S-4*	15-17	18.2

Table 5, Page 2
L. W. Packard and Company

Soil Boring	Sample	Sample Interval in Feet	OVA Reading in Parts per Million
9	S-1	0-5	0.0
	S-2	5-10	0.5
	S-3	10-14	0.0
10	S-1	0-5	0.9
	S-2	5-10	0.0
	S-3	10-15	0.0
11	S-1	0-5	0.0
	S-2	5-10	0.0
	S-3	10-15	0.0
12	S-1*	0-5	0.2
	S-2	5-6.5	0.0

Note for Table 5:

* - Sample submitted for laboratory analysis.

Table 6
Summary of Field Observations for Soil Borings
L. W. Packard and Company
Mill Street, Ashland, New Hampshire
NHDES Site No. 200009045
Soil Borings Performed in April and June 2004

Boring Number	Observations
B1	Brown sand and gravel fill to about 15 feet with occasional occurrences of asphalt pavement and ash. From 15 to 20 feet, sand and gravel fill with a six inch layer of a black organic material and a malodorous light gray resinous substance. Dry to 20 feet. From 20 to 25 feet, wet native sand and gravel grading to silty fine sand at bottom of boring.
B2	Dark brown sand and gravel fill to 6 feet, wet only at bottom.
B3	Two inches of asphalt pavement at ground surface. Brown generally fine sand to 10 feet, dry to bottom.
B4	Two inches of asphalt pavement at ground surface. Black, dark brown, orange and tan fine sand to 10 feet. No sample recovered from 10 to 15 feet. Dry at bottom.
B5	Two inches of asphalt pavement at ground surface. Dark brown to black organic ash mixed with no. 6 fuel oil to 5 feet. From 5 to 15 feet, light brown fine to medium sand, dry to bottom. From 15 to 19.5 feet, tan fine sand underlain by 18 inches of black oily sand.
B6	Black and tan sand underlain by oily cinders to 5 feet. Dark brown and black fine sand mixed with oily cinders to 20 feet. Wet at 15 feet. Presence of no. 6 fuel oil from 15 to 20 feet.
B7	Two inches of asphalt pavement at ground surface. Black and dark brown brick fragments and coal to 5 feet. Dry tan fine sand to 10 feet, dry at bottom.
B8	Two inches of asphalt pavement at ground surface. Brown, tan and buff fine sand, dry to 15 feet. From 15 to 17 feet, red sand with no. 6 fuel oil from 16 to 17 feet.
B9	Medium to coarse brown sand and gravel to 10 feet, dry to five feet. From 10 to 14 feet, red brown fine to medium silty sand with organic layer near bottom.
B10	Brown and red sand and silt mixed with bricks and debris to about 12 feet. From 12 to 15 feet, gray silty fine sand, probably native.
B11	Dark brown and black sand and gravel with an ash layer at 5 feet. From 5 to 15 feet, orange and dark brown sand and gravel.
B12	Two inches of asphalt pavement at ground surface. Dry fine buff and brown sand with fuel oil odor.

Table 6, Page 2

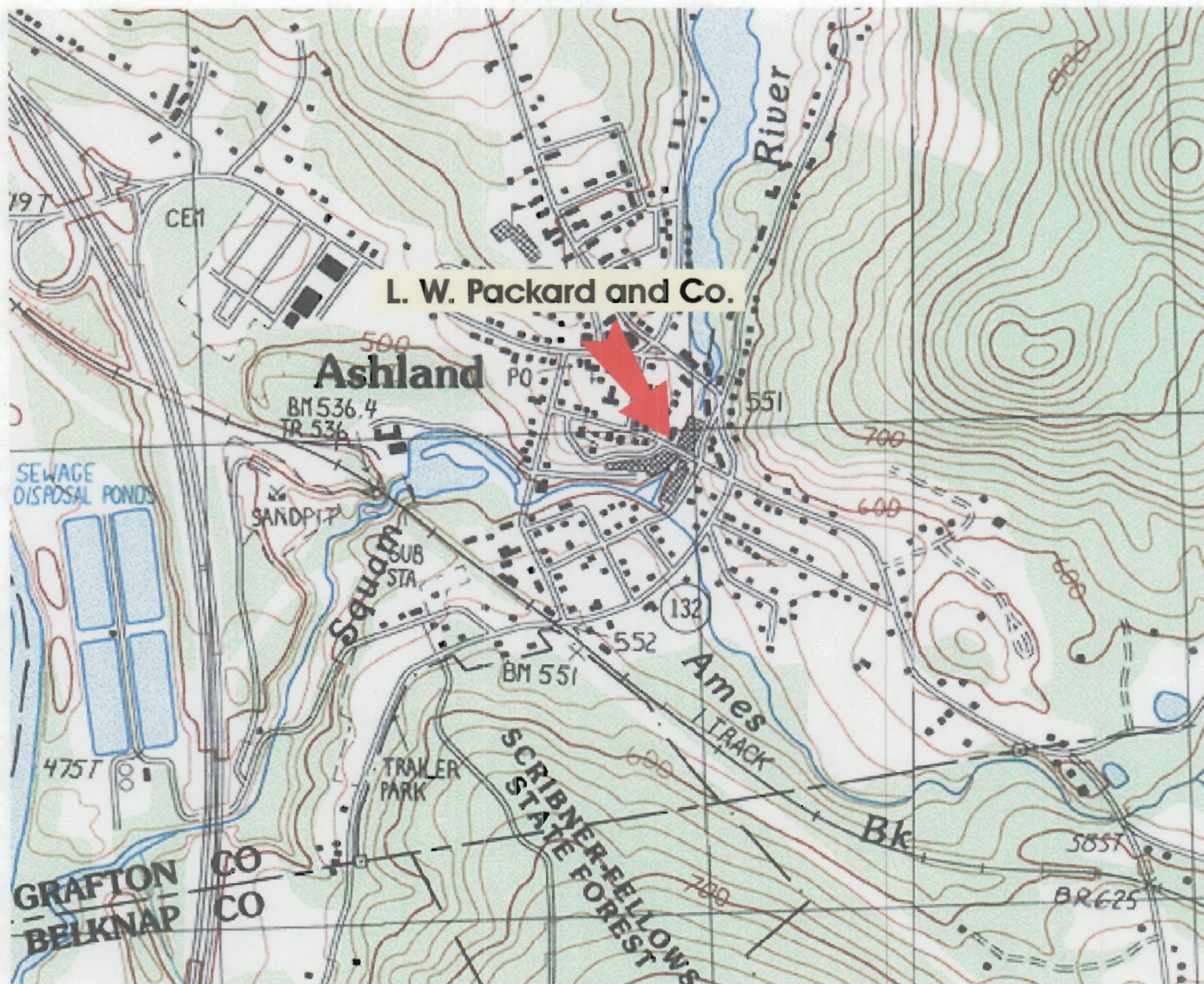
Ashland, L. W. Packard and Company, NHDES Site No. 200009045

Boring Number	Observations
B13	Fine to medium brown sand, fill. Tan, red, and dark brown fine sand with some sand and gravel layers to 20 feet. Coal layer at eight feet, dry to 17 feet.
B14	Brown, red, and tan fine to coarse sand and gravel, dry to 12.5 feet. From 12.5 to 15 feet, wet tan and red fine sand underlain by gray silty fine sand.
B15	Two inches of asphalt pavement at ground surface. To 18 feet, brown, reddish brown, and tan sand and gravel, moist at bottom.
B16	Brown fine to coarse sand and gravel, silty in places. Asphalt, coal, wood, organic and brick layers intermixed to 20 feet. Dry to bottom.
B17	Tan and orange fine sand to 10 feet. Medium to coarse sand and gravel from 10 to 20 feet.
B18	Coal debris to bottom, refusal at 4.2 feet.
B19	Two inches of asphalt pavement at ground surface. Coal, coal ash slag, sand and gravel to 10 feet, moist at bottom. Brown, tan and red sand and gravel from 10 to 15 feet.
B20	Silty brown fine to medium sand and gravel to about 8.5 feet. Peat and coal to 10 feet.

Note: All soil borings performed by New Hampshire Boring, Inc., with a Geoprobe 6610 DT soil probing machine. Samples were recovered in 5 foot long plastic sleeves.

Figures





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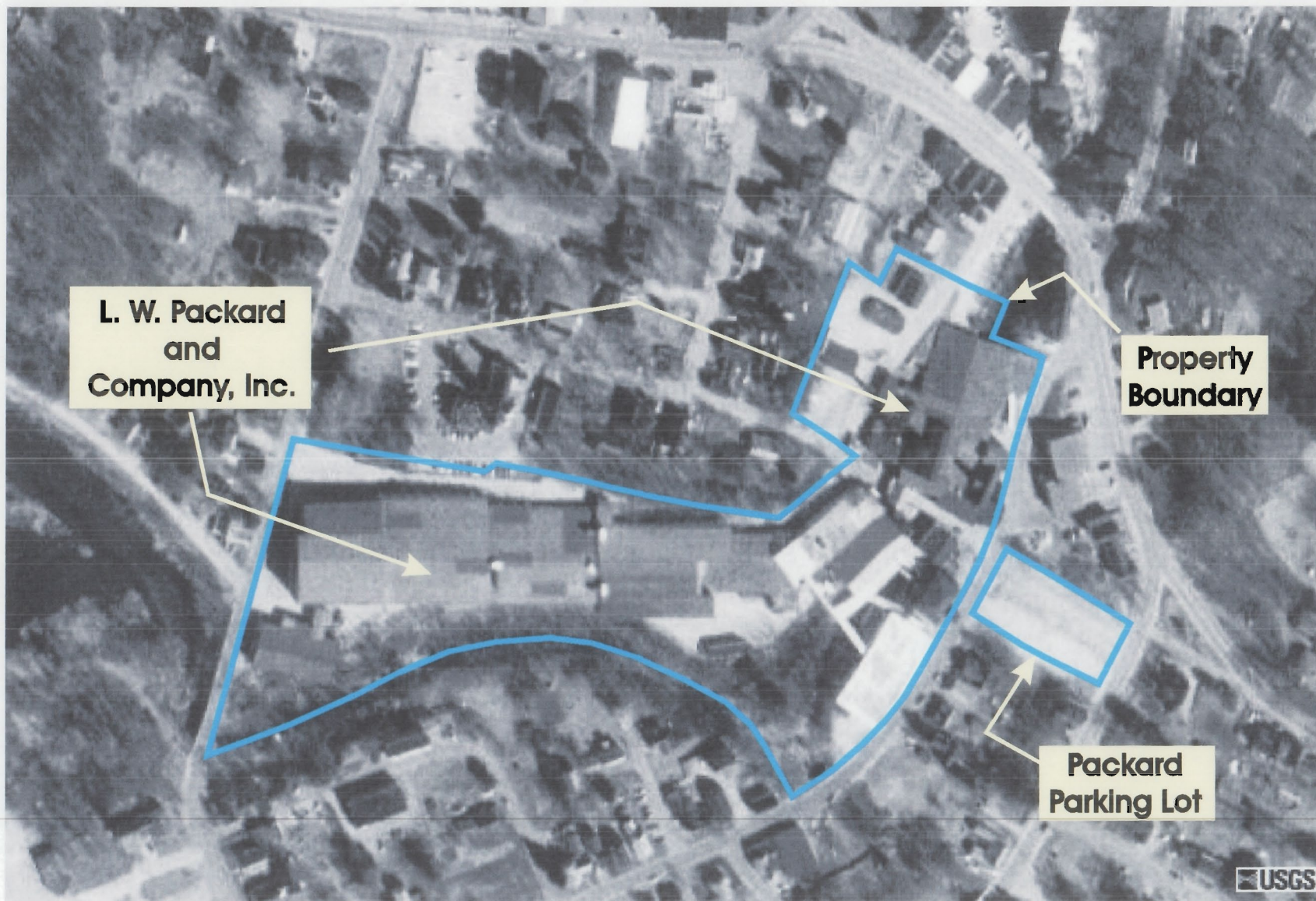
Subject Property:
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
NHDES Site No. 200009045



ARC
 Environmental Consultants, Inc.

Scale - 1:24,000

Figure 1
Site Location Map
Ashland, N. H.
USGS Topographic Map
7.5 Minute Series
February 2005

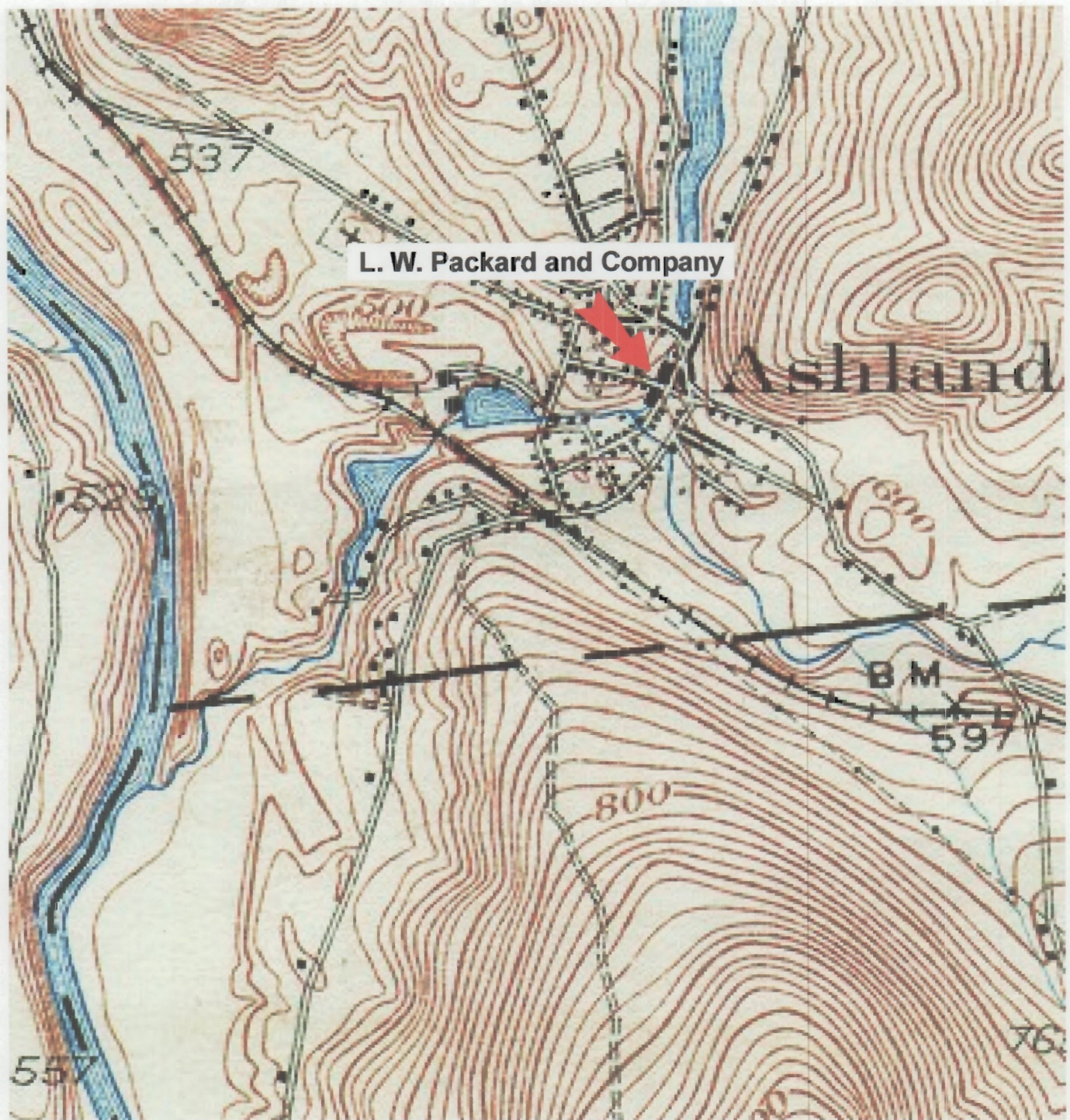


Scale
0 feet 200

Source of Map:
USGS Terra Server
April 12, 1998



Figure 2
Aerial Photo
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
January 2005

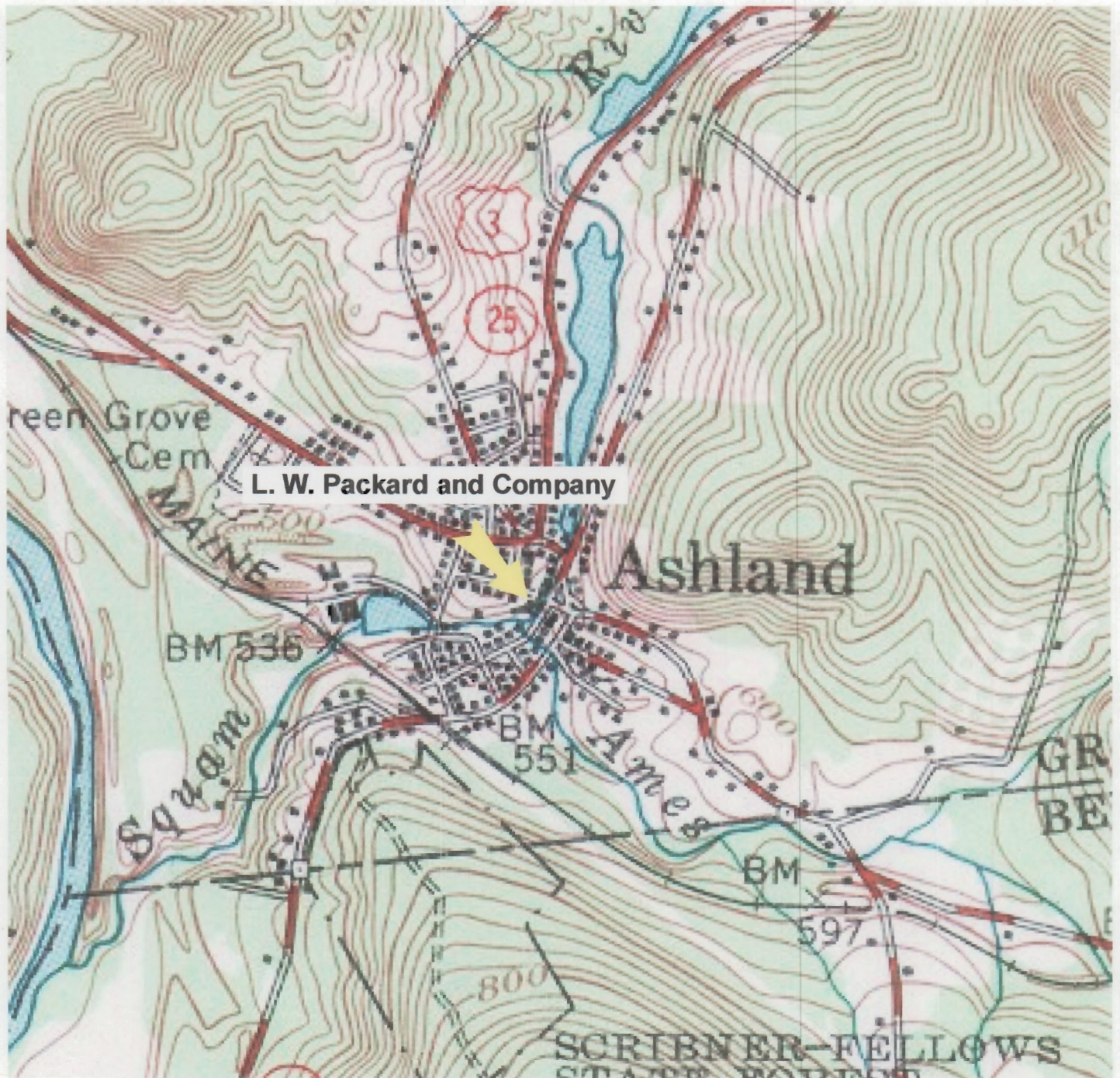


Scale:
1:62,500



ARC
Environmental Consultants, Inc.

Figure 3
1927 Historic Topographic Map
Holderness 15' Quadrangle
For
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
January 2005

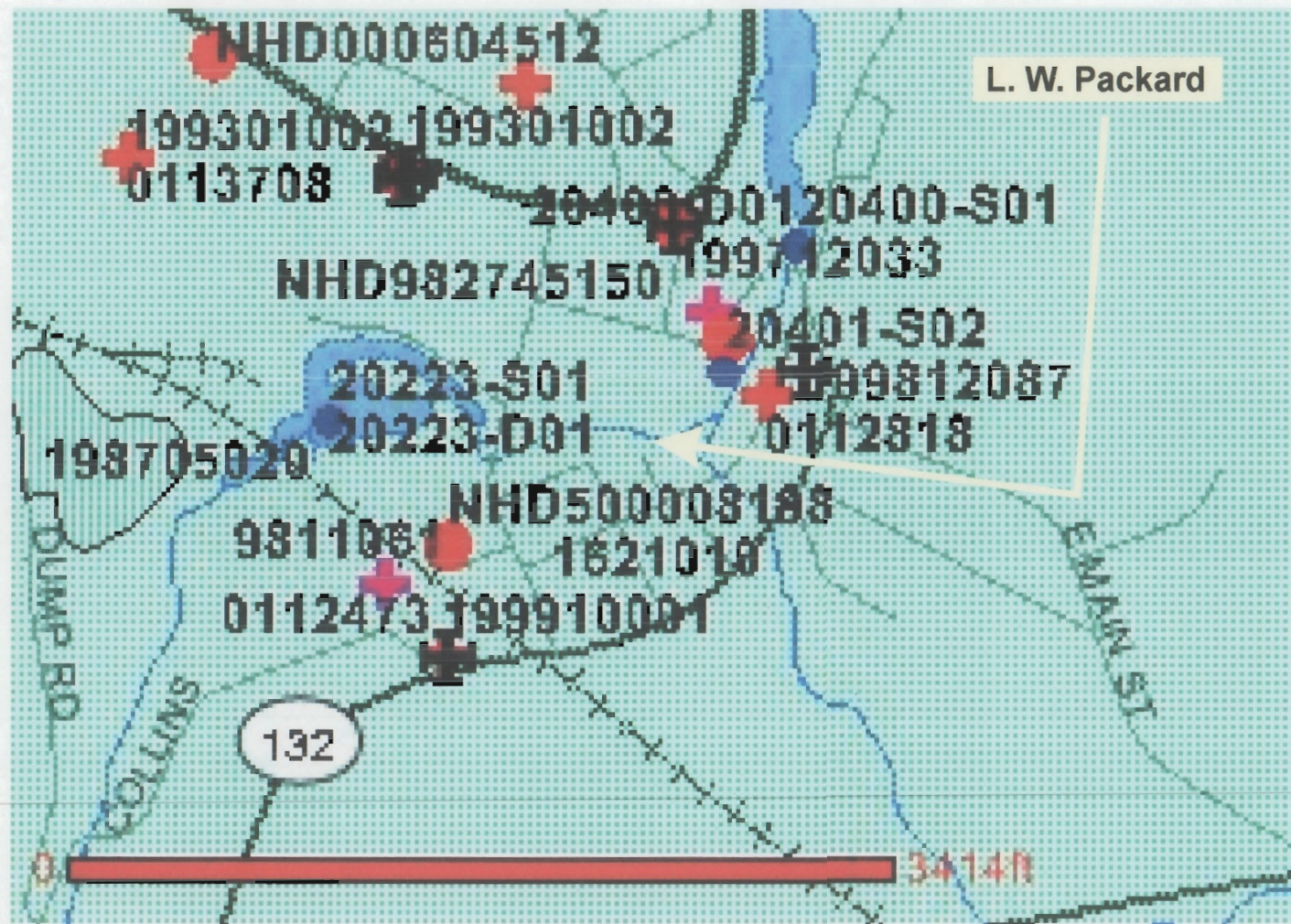


Scale:
1:62,500



Figure 4
1956 Historic Topographic Map
Holderness 15' Quadrangle
For
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
January 2005

Figure 5
NHDES OneStop
Database Map
L. W. Packard & Company
Mill Street
Ashland, N. H.
January 2005



MAP LEGEND

- + Aboveground Storage Tank Facility
- + Auto Salvage Yard
- Drinking Water Protection Area
- Wellhead Protection Area
- Hazardous Waste Generator
- Hazardous Waste Generator (polygon)
- ▲ Public Water Supply Source
- Registered Water Withdrawal
- + Remediation Site
- Remediation Site (polygon)
- + Underground Storage Tank Facility
- Water Well
- ~ River, stream
- - - Intermittent stream
- Open water
- Wetland
- + + + Railroads
- = Interstate Highway
- = Primary Highway
- = Secondary Highway
- = Other Road/Street
- - - Town Boundary
- - - County Boundary
- - - State Boundary



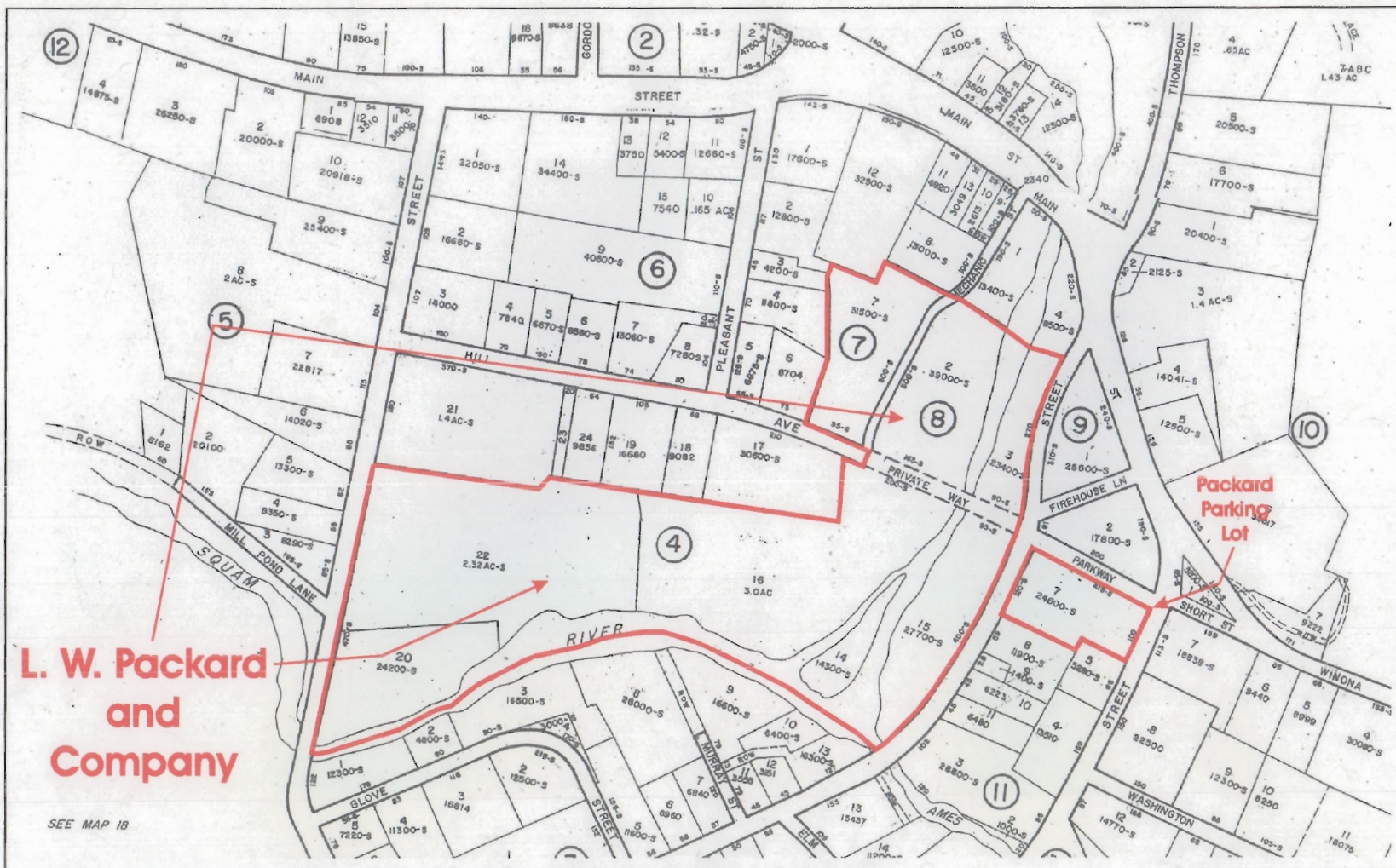


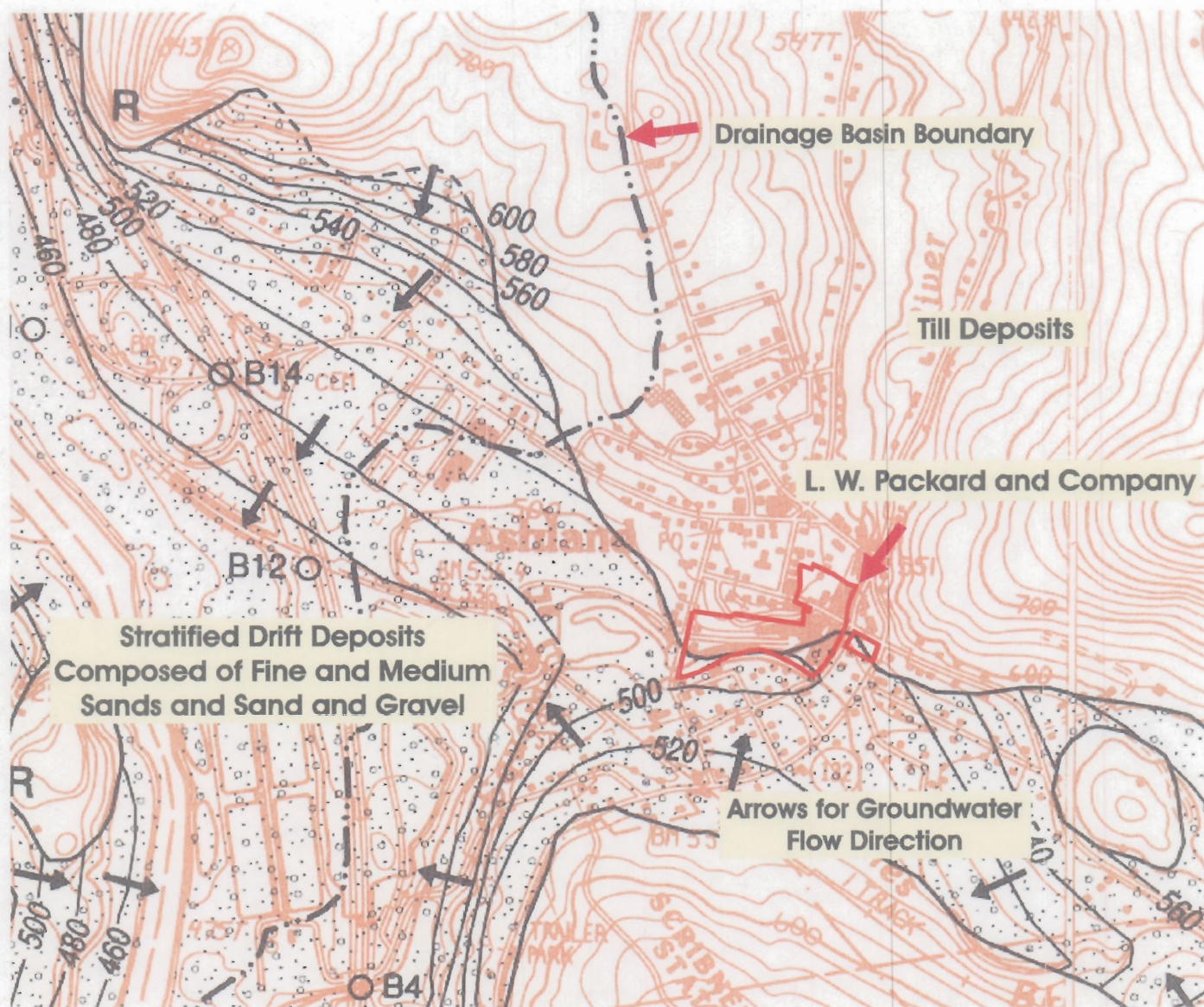
Figure based on
Ashland
Tax Map 17



Scale
0 feet 200



Figure 6
Tax Map
L. W. Packard and Company
Mill Street
Ashland, New Hampshire
January 2005



Map based on USGS Water Resources Investigations Report 94-4083, Geohydrology, Yield and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central N. H., 1996, Plate 2.

Contour lines indicate groundwater elevations in feet, contour interval 20 feet.



Environmental Consultants, Inc.

Figure 7
USGS Water Resources Map
L. W. Packard and Company
Mill Street
Ashland, N. H.
January 2005
Scale - 1:24,000

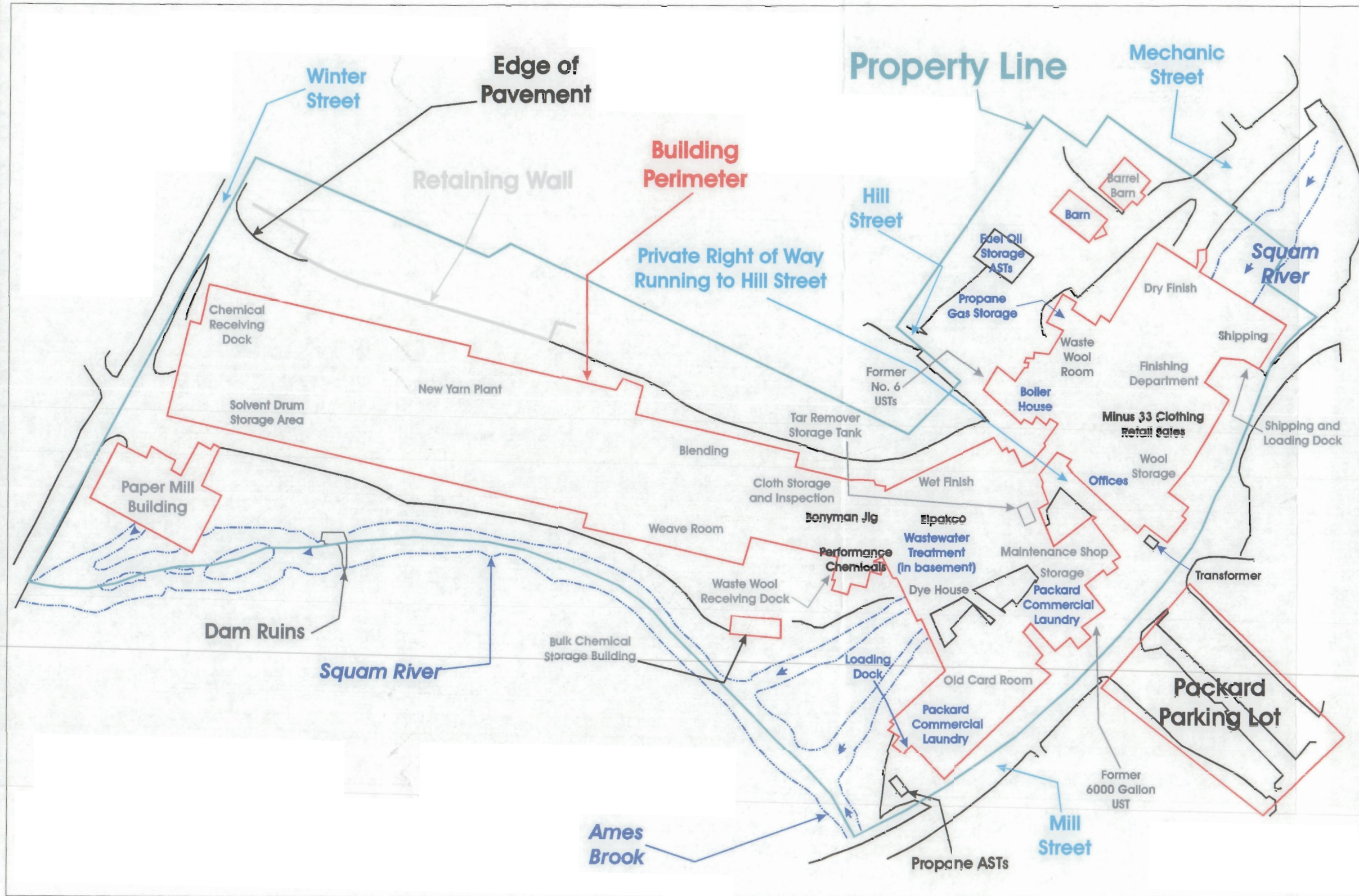
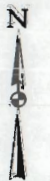


Figure 8
Site Plan
 L. W. Packard and Company, Inc.
 Mill Street
 Ashland, New Hampshire
 January 2005



Scale
 0 feet 100



Legend	
Minus 33 Clothing Retail Sales	Current Building Use
Wool Storage	Past Building Use
Offices	Past and Current Building Use

Plan based on Topographic Worksheet of the L. W. Packard Woolen Mill by Eastern Topographics March 1990 and Site Drainage Plan, L. W. Packard and Company, by GZA GeoEnvironmental, Inc. September 1996.

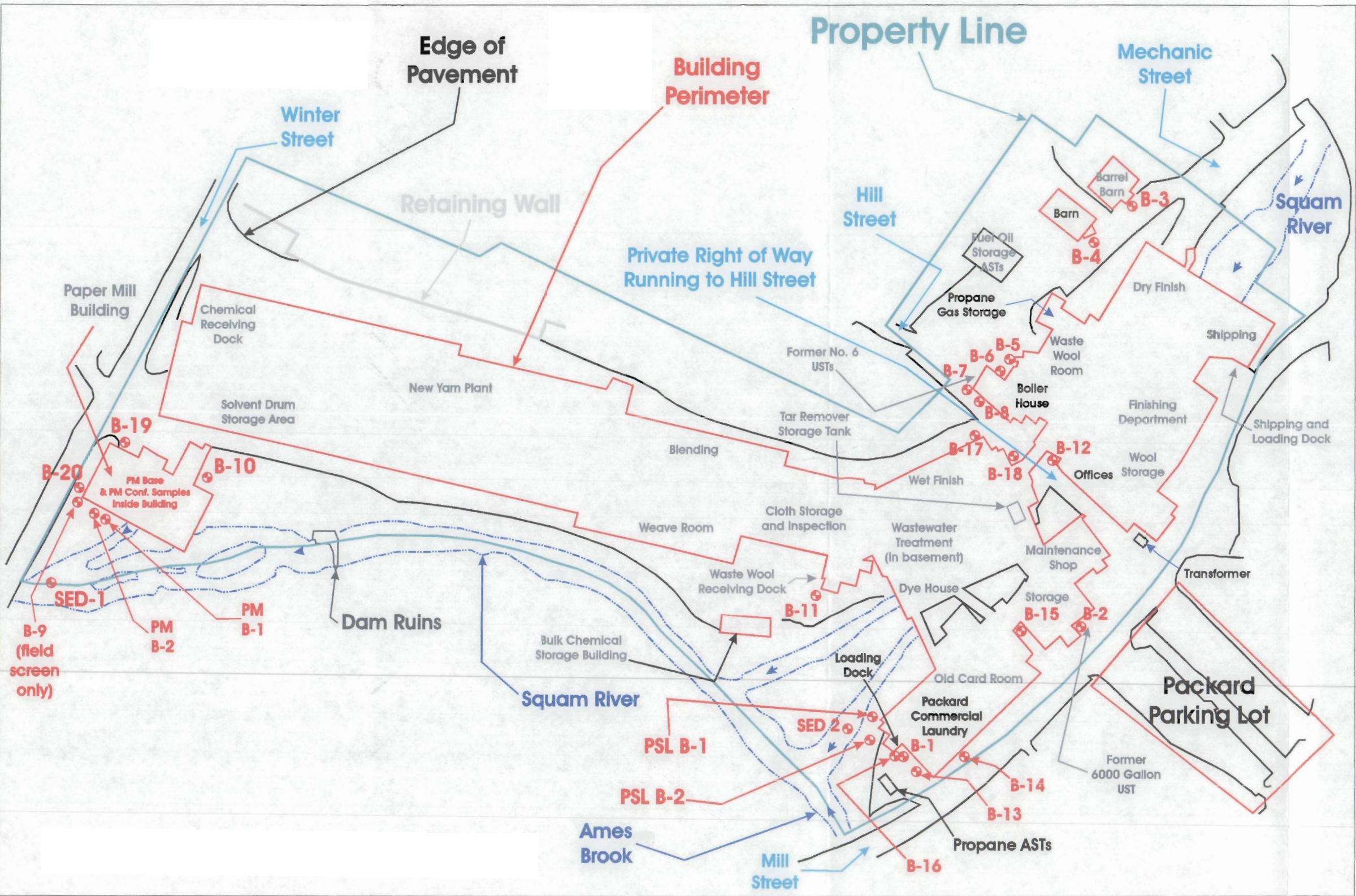
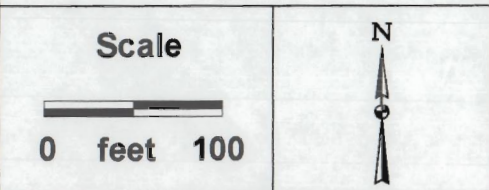


Figure 9
Soil and Sediment
Sample Locations
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
January 2005



Legend

● **Soil or Sediment Sample Location**

Plan based on Topographic Worksheet of the L. W. Packard Woolen Mill by Eastern Topographics March 1990 and Site Drainage Plan, L. W. Packard and Company, by GZA GeoEnvironmental, Inc. September 1996.

Photographs





Photo 1. View of L. W. Packard office building along Mill Street. Former Finishing Department building at right. Ashland Fire Department at left edge, looking southwest.



Photo 2. View of Scribner building along Mill Street, looking northwest. L. W. Packard parking lot in foreground. Buildings along Hill Street to right.



Photo 3. View of northeast side of Scribner Building from Hill Street, looking southwest. White building to right now houses operations of Elpakco Electronics. Outdoor electric power transformer at right bottom of photo.



Photo 4. View of Finish Department building look west toward L. W. Packard stack for boiler. Channel for Squam River in lower foreground.



Photo 5. View of north side of bulk chemical storage building looking southwest.



Photo 6. View of 275 gallon kerosene aboveground storage tank.



Photo 7. View of propane storage tank area along Mechanic Street.



Photo 8. View of concrete retaining wall for former no. 6 fuel oil underground storage tanks, looking north from Hill Street. Mechanic Street in left background.



Photo 9. View of storage buildings along northwest side of Mechanic Street, looking southwest. Former barrel barn in foreground.



Photo 10. View of dye mixing lab in center of photo lower level, wet lab on upper level, looking southwest. Channel for Squam River in center bottom of photo.

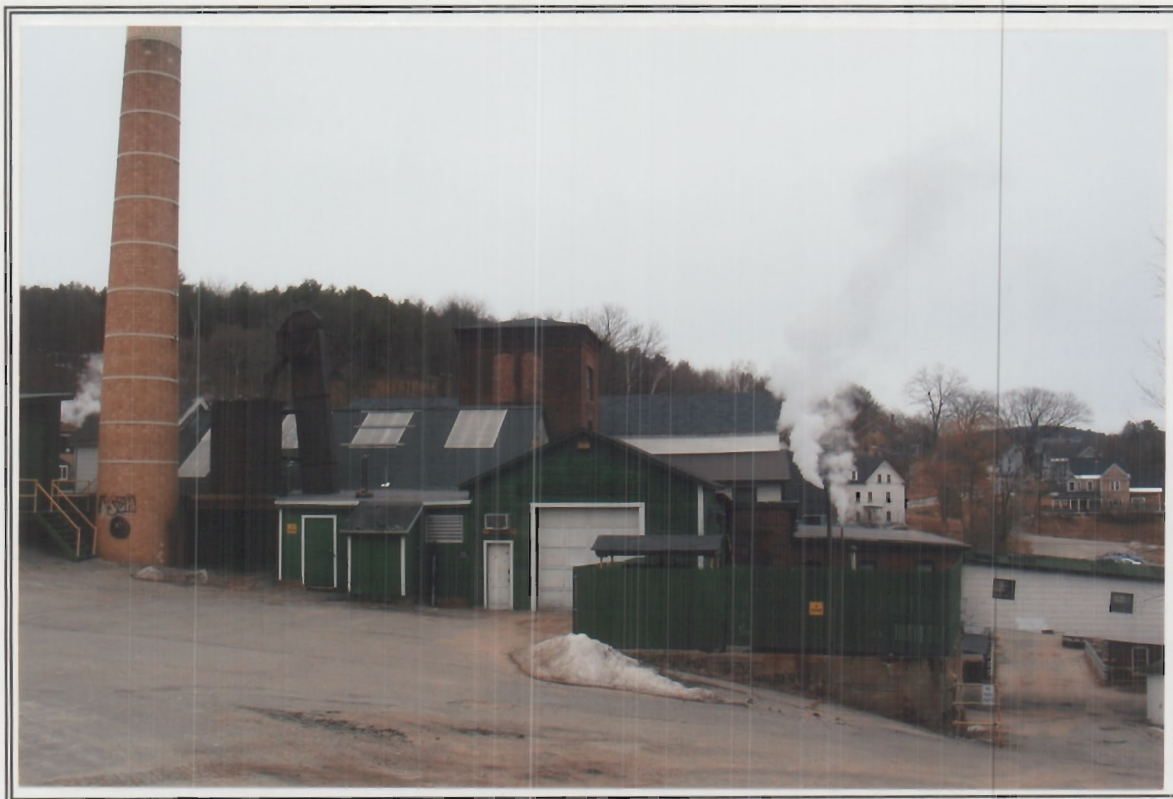


Photo 11. View of L. W. Packard buildings from Mechanic Street looking southeast. Hill Street to right. Boiler room and stack to left. Former UST area along corner of Mechanic and Hill Streets.



Photo 12. View of connector wing between new yarn plant and wet finish area, roadway to right, looking west.



Photo 13. View of south side of new yarn plant looking east. Squam River to right.



Photo 14. View of south side of new yarn plant to left, looking east. Bulk chemical storage building to far right. Loading dock for Performance Chemicals in center.



Photo 15. View of gatehouse building.



Photo 16. Floor drain, dry finish area within Finishing Department.



Photo 17. Chemical storage rack, within Finishing Department, near Minus 33 retail sales area. There are several of these chemical storage racks through the L. W. Packard building complex.



Photo 18. No. 6 fuel oil seep along back (northwest) wall of room below boiler room.



Photo 19. Condensate tank in room below boiler room.



Photo 20. Steam boilers in boiler room fueled by no. 6 fuel oil.



Photo 21. Parts washer (blue) and oily rag storage container (red) off of boiler room and near stairway to wastewater treatment room.



Photo 22. No. 6 fuel oil seeps along wall in storage room adjacent to boiler room.



Photo 23. Commercial laundry equipment in Packard Steam Laundry area, located in old card room area.



Photo 24. Dye mixing lab.



Photo 25. Machine shop area of Elpakco Electronics.



Photo 26. Another view of machine shop area of Elpakco Electronics.



Photo 27. Wastewater pre-treatment plant. Blue and white piping is discharge to Ashland municipal sewer system.



Photo 28. No. 6 fuel oil aboveground storage tanks in fuel oil storage building along Mechanic Street.



Photo 29. Penstock, water powered turbine and generator in Gate House building along Squam River, upstream of L. W. Packard building complex.



Photo 30. Another interior view of Gate House building showing mechanism for regulating water flow into water powered turbine.

Appendices



APPENDIX A

Limitations

1. The conclusions and recommendations presented in this report are based solely upon the described Scope of Work, and not on scientific tasks or procedures beyond the described Scope of Work or the time and budgetary constraints imposed by the Client. The stated conclusions and recommendations represent ARC's best professional judgement, and should not be construed as statements of scientific fact or certainty.

2. The observations of the subject property, including any structures thereon, contained in this report are based solely on conditions that existed at the stated time of investigation. Where access to portions of the property or to structures thereon was limited or unavailable, or where direct observation was obstructed or otherwise limited, ARC renders no opinion as to the presence of, or the potential for, hazardous materials or petroleum products in those portions of the property or structures.

3. In preparing this report, ARC has relied on information provided by state and local officials, and other parties herein referenced, and on information on record with various state and local agencies made available to ARC at the stated time of inspection. ARC did not attempt to independently verify the accuracy or completeness of all information received or reviewed as part of this investigation.

4. Observations or other evidence suggesting the presence of asbestos-containing materials (ACM) or polychlorinated biphenyls (PCBs) may have been noted in this report. However, unless otherwise specified in this report, ARC did not perform testing or analyses to confirm the presence or compute the concentration of these substances. Also, unless otherwise stated, ARC did not perform testing or analyses to confirm the presence of lead-based paints or airborne radon at the subject site.

5. This report may contain the results of quantitative analyses performed by an outside laboratory. In such cases, ARC has relied upon the data provided to formulate its stated conclusions and recommendations, and has not attempted to independently evaluate the reliability of these data.

6. During this investigation, ARC did not make a specific attempt to determine whether any and all activities performed on the subject property have been granted all required environmental permits or licenses. ARC makes no claim that the subject property and any activities performed thereon are in compliance with all applicable federal, state, or local laws, environmental or otherwise.

Appendix A (cont'd.)

7. In the event that the conclusions stated in this report express ARC's professional opinion that a release of hazardous substances or petroleum products to the environment has occurred at the subject site, ARC recommends that the Client consult with its legal counsel regarding the duty to report the discharge to the appropriate federal, state, or local authorities. If ARC is not notified in a timely manner that such duty to report has been discharged by another party, ARC may, under certain legal interpretations, be deemed to be a knowledgeable party, and may consult with its legal counsel regarding its duty to report or confirm the discharge to the appropriate authorities. Otherwise, ARC agrees to maintain in strictest confidence the information contained in this report.

8. This report was prepared for the exclusive use of L. W. Packard and Company, Inc., Ashland, New Hampshire. Except as described below, no other party may rely on the information herein contained. ARC hereby grants the Client permission to distribute this report, or copies thereof *in whole*, to his assigned agents, or, at the Client's discretion, to other parties having a direct financial interest in the subject property.

Appendix B

NHDES Correspondence and Documentation for Tank Closure

Notification for Underground Storage Tanks

FOR
TANKS
IN
NH

RETURN
COMPLETED
FORM
TO

LIST Registration
Water Supply & Pollution Control Commission
Hazen Drive, P.O. Box 95
Concord, NH 03301
(603) 271-3503

STATE USE ONLY
I.D. Number 0112818
Date Received

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, with certain exemptions, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owners must:

- (a) in the case of an underground storage tank in use on November 8, 1980, brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances; and
- (b) in the case of any underground storage tank in use before November 8, 1980, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel; and 2. industrial solvents, pesticides, herbicides or fungicides.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:
1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;

- 4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
- 5. surface impoundments, pits, ponds, or lagoons;
- 6. storm water or waste water collection systems;
- 7. flow-through process tanks;
- 8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
- 9. storage tanks situated in an underground area (such as a basement, cellar, mine, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 301 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

0

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

L.W. Packard & Co., Inc.

Street Address

6 Mill Street

County

Grafton

City

Ashland

State

NH

ZIP Code

03217

Area Code

603

Phone Number

968-3351

Type of Owner (Mark all that apply)

☒ Current

☐ State or Local Gov't

☒ Private/Not Corporate

☐ Former

☐ Federal Gov't (GSA facility I.D. no. _____)

☐ Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section I, mark box here ☒)

Facility Name or Company Site Identifier, as applicable

Street Address or State Road, as applicable

County

City (nearest)

State

ZIP Code

Indicate number of tanks at this location

3

INACTIVE

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands ☐

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ☐)

Ronald M. Abear

Job Title

Comptroller

Area Code

603-968-3351

Phone Number

IV. TYPE OF NOTIFICATION

☒ Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative

Ronald M. Abear Comptroller

Signature

Ronald Abear

Date Signed

6-12-1986

CONTINUE ON REVERSE SIDE

VEHICLE TANKS (including underground storage tanks) and other tanks

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No. 2	Tank No. 3	Tank No.	Tank No.
1. Status of Tank (Mark all that apply) Currently in Use Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86	☒	☒	☒ <i>DELETED OK 10/88</i>	☐	☐
2. Estimated Age (Years)	40	40	4		
3. Estimated Total Capacity (Gallons)	20,000	20,000	6,000		
4. Material of Construction (Mark one) Steel Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify:	☒ <i>Steel</i>	☒ <i>Steel</i>	☒ <i>REMOVED 6-22-92</i>	☐	☐
5. Internal Protection (Mark all that apply) Cathodic Protection Interior Lining (e.g., epoxy resins) None Unknown Other, Please Specify:	☐	☐	☒ <i>St. 8-17-92</i>	☐	☐
6. External Protection (Mark all that apply) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify:	☒	☒	☒	☐	☐
7. Piping (Mark all that apply) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify:	☒ <i>Galv</i>	☒ <i>Galv</i>	☒	☐	☐
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply) a. Empty b. Petroleum Diesel Kerosene Gasoline (including alcohol blends) Used Oil Other, Please Specify: <i>No. 6 oil</i> c. Hazardous Substance Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box ☐ if tank stores a mixture of substances d. Unknown	☐	☐	☐	☐	☐
9. Additional Information (for tanks permanently taken out of service) a. Estimated date last used (mo./yr) b. Estimated quantity of substance remaining (gal.) c. Mark box ☐ if tank was filled with inert material (e.g., sand, concrete)	☐	☐	☐	☐	☐

L.W. PACKARD & COMPANY, INC.

Woolen Manufacturers

6 Mill Street

Ashland, New Hampshire 03217

Telephone (603)968-3351

Telex # 754245

Sept. 22, 1988



Mr. Jack Chwasciak
State of New Hampshire
Dept. of Environmental Services
Water Supply & Pollution Control Div.
6 Hazen Drive
PO Box 95
Concord, NH 03301

Dear Jack:

Per our telephone conversation of Sept. 22, this is to notify your Department that L. W. Packard is in the process of installing a containment structure and two new 20,000 #6 fuel oil tanks. Estimated completion is October 30, 1988. At the same time the two in-ground tanks will be taken out of service. Removal or closure will be accomplished according to WS411.2 and/or WS410 at that time on these two in-ground tanks plus a concrete tank of approximately 30,000 gallon, which has been out of use for some time.

Please call me at 1-968-3351 if you have any questions.

Very truly yours,

L. W. PACKARD & CO., INC.

Calvin Brown

Calvin Brown, Plant Engineer

CB/mp

cc: J. Glidden

Town Ashland

PETROLEUM DISCHARGE INCIDENT REPORT
(Obtain as much information as possible)

1. Party Reporting Incident w/ phone No. Douglas Parsons (Jet-Line Services)
2. Location L.W. Packard Co. Mill St. Ashland, N.H.
3. Date and Time of Incident _____
4. Product and Amount No. 6 fuel oil
5. Responsible Party (name, company, address, phone) # 2
6. Cause of Incident L.U.S.T.
7. Land and/or Water Affected land
8. Nearest Surface Water _____ Nearest Well _____
9. Others Notified _____
10. Cleanup Action Taken Jet-Line Services
11. Follow-up/Notes/Directions/etc.: Jet-Line removing UST's (27 20000gal tanks)
one tank collapsed, some contamination encountered —
will remove tank and check soil.

Date 12/14/88 Time 1100 Message Taken by Phil Lavoie
Investigation by RPO

GROUNDWATER PROTECTION BUREAU

Record of Telephone Conversation

Date of Conversation: 12/16/88 Time: 1558 a.m./p.m.
Bureau Staff: RFB Title: ΣIV
Other Party's Name: Doug Parsons Telephone #: _____
Affiliation/Company: Jet-Line
Site: L.W. Rockard Ashland, N.H.

SUMMARY OF CONVERSATION

Steel
(2) 20,000 No. 6 oil tanks cleaned 1 wk ago
1 40,000 concrete (jackhammered holes in bottom, no contamination from
15000 gal water & 1' oil in tank (No. 6 oil) very old
tanks cleaned inside of tank hard oil
cold cut, under tank took samples

Phil Lavoie said remove tanks

2 tanks removed
down 27'

(Started Tue excavating
Wed removed 1st tank
2nd tank removed today
Still removing contaminated
soil.)

Will be at site again Mon.

W.T. prob. at 30'-40'

tanks had numerous holes in tops of tanks

tanks heavily corroded

Parking lot gave way collapsed 2nd tank

Now have (2) 20,000 gal tanks above ground
in bldg.

RB met at L.W. Packard with Charlie (Jet-Line)
No groundwater encountered -
Heavily contaminated soil excavated and
stockpiled, Jet-Line will arrange for disposal -
UST's removed.

L.W. PACKARD & COMPANY, INC.

Woolen Manufacturers

6 Mill Street

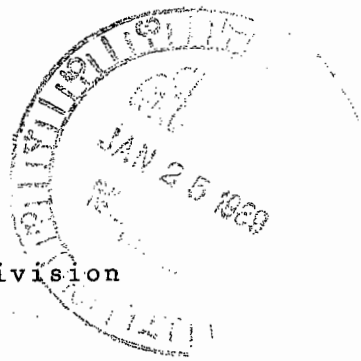
Ashland, New Hampshire 03217

Telephone (603)968-3351

Telex # 754245

January 17, 1989

Mr. Phil Lavoie
State of New Hampshire
Dept. of Environmental Services
Water Supply & Pollution Control Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03301



Dear Mr. Lavoie:

Please be advised that L.W. Packard & Co., Ashland, N.H. has removed the two 20,000 gallon metal underground #6 fuel tanks and cleaned the #6 fuel concrete bunker tank. Work was completed on Dec. 21, 1988. Verification herewith - *AUGMENT ON FILE* attached.

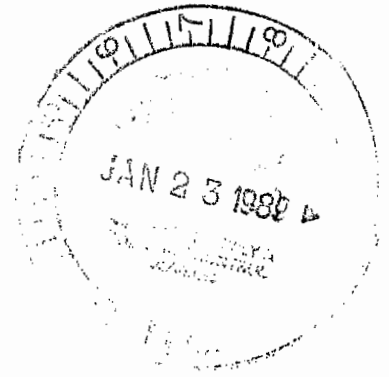
If you have any questions please call.

Sincerely,

Calvin Brown

Calvin Brown
PLANT ENGINEER

CB/lp



January 18, 1989

Mr. Phil Lavoie
State of New Hampshire
Division of Water Supply and Pollution Control
Tank Management Dept.
25 Hazen Drive
Concord, New Hampshire 03301

Re: Underground #6 fuel oil tanks, L. W. Packard Facility, 6 Mill Street,
Ashland, New Hampshire

Dear Mr. Lavoie;

Jet-Line Services, Inc. would like to submit the following chain of events regarding the removal of tanks at the L. W. Packard Co. in Ashland, New Hampshire.

November 29, 1988: Jet-Line Services, Inc. commenced work at the L. W. Packard facility in Ashland, New Hampshire under the following scope of work:

- a) Clean (01) underground 40,000 gallon concrete storage tank containing approximately (01) foot of #6 fuel oil sludge, solidified, and approximately 17,000 gallons of water. The water is believed to have entered the concrete tank through the top, rather than leaking in through the sides or bottom. This is due to a loose manhead cap and the manhole being in a down grade position from the crest of a hill, allowing the tank to capture street drainage.
- b) Transfer remaining good product from (02) underground 20,000 gallon #6 fuel oil tanks into their new 20,000 gallon above ground #6 fuel oil tanks.
- c) Clean the (02) 20,000 gallon underground #6 fuel oil tanks, for removal or filling
- d) Cold cut several holes through the bottom of the three tanks and take composite samples from the ground below the tanks as documentation of existent soil conditions.

These services were completed December 02, 1988. Our findings were as follows:

- a) Samples obtained from under the 40,000 gallon concrete tank, visual inspection of the samples indicated no contamination. The sample, which was composited from numerous locations under the tank is now undergoing the normal analytical procedures to document the soil conditions.
- b) The composite samples obtained from under the (02) 20,000 gallon underground #6 fuel oil tanks revealed heavy visual contamination.

Our recommendations to L. W. Packard, based on this information, was as follows:

- a) Call your office with the State of New Hampshire informing you of the contamination, informing you of the tanks being out of service, and suggesting tank removal in the Spring.
- b) Mr. Calvin Brown received notification, verbally, from the State of New Hampshire that the tanks should be removed prior to the spring.



- c) Jet-Line Services, Inc. responded to L. W. Packard Co. with a proposal for the removal of the tanks
- d) L. W. Packard Co. responded to the proposal with an immediate acceptance of the proposal
- e) Jet-Line Services, Inc. contacted Dig-Safe to obtain authorization to excavate, the normal 72 hour waiting period was observed, tank removal procedures were executed commencing December 13, 1988. The scope of services to include the removal of the (02) 20,000 gallon underground storage tanks and the contaminated soil. The excavation and removal phase of the project was completed December 21, 1988
- f) All contaminated soil was removed, with the excavation exceeding a depth of 30 feet. The depth of the bottom of the tanks was estimated at 15 feet below surface level. An estimated 250 cubic yards of contaminated soil was excavated.
- g) No free-flowing product was observed throughout the excavation
- h) Ground water was not encountered throughout the excavation
- g) Composite samples from the soil from the bottom of the excavation as documentation, and are now in the analytical process.
- h) We, Jet-Line feel that all contamination was removed from under the 20,000 gallon tanks.
- j) The site was inspected by Mr. Rick Berry with the State of New Hampshire Water Supply and Pollution Control Division, prior to the majority of the backfilling commencing.
- k) The stockpile of contaminated soil is stockpiled on 6 mil polyethylene and covered with the same.
- l) Samples of the contaminated soil are currently undergoing analytical procedures, once completed, we will approach the disposal of the contaminated material.
- M) The (02) 20,000 gallon tanks, having been properly cleaned, were transported to Bob's Heavy Equipment, Brentwood, New Hampshire, for final scrapping.

Should you have further inquiries regarding this situation, please contact Douglas Parsons at (603) 749-5735. Thank You.

Sincerely,
Jet-Line Services, Inc.

Douglas Parsons
Douglas Parsons

GROUNDWATER PROTECTION BUREAU

Complaint
Asland
100010
page ✓

Record of Telephone Conversation

Date of Conversation: 5/7/91 Time: 1100 (a.m./p.m.)
Bureau Staff: RPB Title: S-VII
Other Party's Name: Calvin Brown Telephone #: 968-3351
Affiliation/Company: L.W. Packard
Site: Asland.

SUMMARY OF CONVERSATION

UST's removed a couple of yrs ago by Jet Line Services some No. 6 oil contamination encountered, Jet Line thought they removed all the contaminated soil —

Approx. 6 months ago oil was observed seeping through foundation of bldg —

This am drilled 4 holes through wall (30" thick) some oil encountered, not sure what extent of the problem is —

Making arrangements to get a saw so that a hole can be cut through the footing wall —

Bored through floor, couldn't find anything — Footing goes to 12', this is about where Jet Line stopped; another footing at 14' —

RB stated may have to do some borings to determine extent of problem —

RB stated will send a DES rep. to site sometime w/in the next couple of days, will coordinate with Calvin Brown; he will be out Fri. —

Jack Chwasciak
Department of Environmental Services
P.O. Box 95
Concord, N.H. 03302

May 28, 1991

Dear Mr Chwasciak,

Approximately six months ago after a general clean up under the boiler, #6 oil was found on the floor. It was thought to have come from the oil heater leaking on the floor above. After having it cleaned up a couple of times, it was discovered that the oil was coming through the foundation. At that point I called Rick Berry and told him that L.W. Packard and Co., Inc. would proceed to investigate by digging through the floor. For further inspection, a hole was jackhammered through a 27" concrete foundation, picture #2 and holes were probed in a concrete floor buried below the first floor, see picture #1. The oil appears trapped up against the foundation wall. The oil came from old fuel tanks taken out of service. The oil seems to have come across a concrete floor buried below the floor taken out, picture #1, to the 27" wall and flowed down to ledge under the bottom floor, see sketch in elevation.

Contaminated dirt that has been removed has been encapsulated under two layers of poly. I have been in contact with Brox in Hudson for disposal.

The L.W. Packard requests that the oil be allowed to stay in place as it is 20 feet or more under ground and 15 feet inside the building footprint, with ledge underneath. There are plans to build a co-generation plant which would take in the oil site and would be fully remediated at that time. The developer of the co-gen plant is aware of the oil and agrees to remediation. The co-gen plant should be under construction within 3 yrs.

For the L.W. Packard and Co., Inc.

L. Brown

Calvin Brown, Plant Engineer.

Jack Chwasclah
D.E.S.
P.O. Box 95
Concord, N.H. 03302

May 29, 1991

Dear Jack,

I have enclosed the discovery statement, pictures and sketches of approximate location of the oil. If you need any more information, please call me.

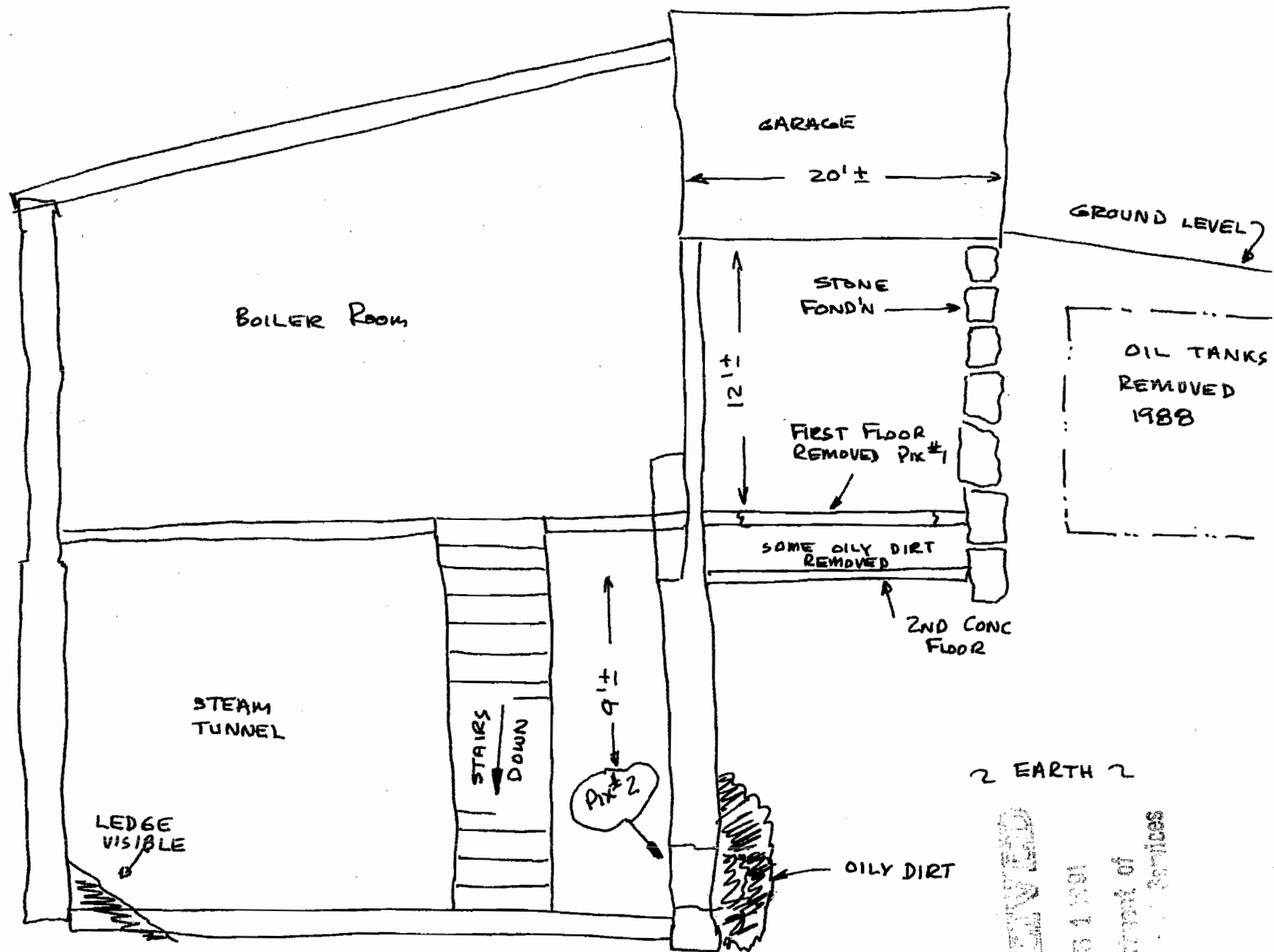
I will hold the contaminated soil for disposal at Bross in Hudson until I hear from you.

Calvin Brown.

RECEIVED

MAY 31 1991

Department of
Environmental Services



ELEVATION LOOKING S-W
NO SCALE

RECEIVED

NOV 14 1991

Department of
Services

CAR 5/2/91



ROBERT W. VARNEY
COMMISSIONER

EDWARD J. SCHMIDT, P.E., Ph.D.
DIRECTOR

RUSSELL A. NYLANDER, P.E.
CHIEF ENGINEER

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER SUPPLY & POLLUTION CONTROL DIVISION

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

603-271-3504

TTY/TDD 225-4033
Relay Service for Deaf/Speech Impaired

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WAYNE L. PATENAUDE
JEFFREY TAYLOR
JAMES VAROTSIS

June 15, 1991

Calvin Brown
L.W. Packard
6 Mill St.
Ashland, NH 03217

RE: ASHLAND, L.W. PARKARD, 6 MILL ST. (GPB #100010)

Dear Mr. Brown:

Please accept this letter as a follow-up to our recent telephone conversations and to your letter and site plans of May 29, 1991.

Given the very limited access and depth of the contaminated soil; your request to leave it in place until construction of the proposed co-generation plant in the subject area is begun, is granted. It is understood that at that time, the contaminated area will be fully remediated.

Please contact this office before that time if conditions change with respect to the amount of oil appearing within the building. In addition, contact us once a date is finalized as to the construction of the co-generation plant.

Thank you for your continued coopertion and feel free to contact me at 271-3644 if you have any questions.

Sincerely,

Jack Chwasciak
Environmentalist
Oil Compliance Section
Groundwater Protection Bureau

JC/1r1:5000h



ROBERT W. VARNEY
COMMISSIONER

EDWARD J. SCHMIDT, P.E., Ph.D.
DIRECTOR

RUSSELL A. NYLANDER, P.E.
CHIEF ENGINEER

Calvin Brown
L.W. Packard Co., Inc.
6 Mill Street
Ashland, NH 03217

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER SUPPLY & POLLUTION CONTROL DIVISION

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3504

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April 7, 1992

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WAYNE L. PATENAUDE
JEFFREY TAYLOR
JAMES VAROTSIS

RE: ASHLAND, L.W. PACKARD CO., INC., 6 MILL STREET (GPB #100010)

Dear Mr. Brown:

Please accept this letter as a follow-up to our meeting at the subject site on Wednesday, April 1st which was held to discuss the break-out of #6 fuel oil at the base of the foundation below the boiler room.

It is apparent an unknown amount of oil remains in association with the former underground tanks and/or piping which were located in that area.

While it is not apparent that there is a large amount of oil, some degree of investigation is required to determine the extent of the contamination. As discussed on Wednesday, two or three borings in the area of the former tanks will provide information as to the extent of the contamination and whether additional investigation or remediation is warranted. These borings should be forwarded to below this lower foundation or refusal; whichever is shallower.

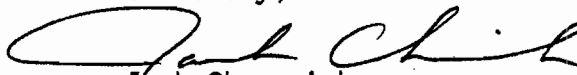
The observation of the soil from these borings shall be a visual check for #6 oil with written documentation during the process by L.W. Packard personnel. This office shall also be notified of the date of this work.

A copy of licensed technical well drillers is enclosed for your information. Any of these firms should be able to provide the boring services discussed above.

We trust that this work can be completed by June 15, 1992 with a written summary report submitted to NH Department of Environmental Services by the end of June.

Feel free to contact the undersigned at 271-3644 if you have any questions.

Sincerely,


Jack Chwasciak

JJC/jeh:6238

Enc: Technical Well Drillers

cc: Paul M. Currier, P.E., GPB

Lynn A. Woodard, P.E., OCS/GPB

File

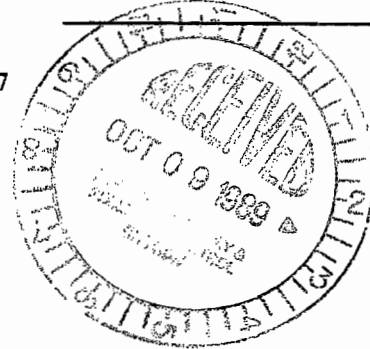
2818

L.W. PACKARD & COMPANY, INC.

FAX # (603)968-7649

Woolen Manufacturers
6 Mill Street
Ashland, New Hampshire 03217
Telephone (603)968-3351

Telex # 754245



October 5, 1989

Mr. Tim Denison
State of New Hampshire
Dept. of Environmental Services
Water Supply and Pollution Control Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03301

Dear Tim:

012818

Please be advised that the L.W. Packard & Company, Inc. underground mineral oil tank has passed the tightness test on October 4, 1989. Testing was performed by Jet-Line Services of Dover, NH.

Jet-Line will confirm to your Department by letter.

Please call me at 1-968-3351, if you have any questions.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Calvin Brown', is written above the typed name.

Calvin Brown
Plant Engineer

27. Sensor Calibration			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (u)			35. EACH READING		36. ACCUMULATED CHANGE					
LOG OF TEST PROCEDURES:			29. Reading No.		32. Product in Graduate		33. Product Replaced (-)		35. Thermal Sensor Reading		36. Change Higher (+) Lower (-)		37. Computation (d) = (a) - Expansion (+) or Contraction (-) (NTP) - (NTP)		38. Temperature Adjustment Volume Minus Expansion (+) or Contraction (-) (NTP) - (NTP)		39. At Low Level compute Change per Hour (NTPA criteria)	
DATE	TIME (24 hr.)	Record details of setting up and running test. (Use full length of line if needed.)		Standpipe Level in inches	Beginning of Reading	Level to which Restored	Before Reading	After Reading	Product Recovered (-)									
0730		ARRIVED AT Job SITE	1	42														
		THE TANK IS NOT FULL. WILL HAVE TO FILL	2	41.9	42		.865	.855	-.010			594	+2	+0.014	-.024			
		THE TOP OF THE TANK IS EXPOSED FOR THE RE-TEST. AIR ELIMINATORS ARE FIXED TO THE	3	41.8	42		.855	.840	-.015			596	+2	+0.014	-.029			
		MANWAY AND THE HIGH END OF THE TANK NEW VENT LINE AND FILL LINE ON TANK	4	41.8	42		.840	.825	-.015			598	+2	+0.014	-.029			
		TANK TOPPED OFF STARTED TO SET UP EQUIPMENT FOR TEST	5	41.9	42		.825	.820	-.005			604	+4	+0.029	-.034			
			6	41.8	42		.820	.805	-.015			606	+2	+0.014	-.029			
			7	41.8	42		.805	.795	-.010			608	+2	+0.014	-.024			
			8	41.8	42		.795	.780	-.015			610	+2	+0.014	-.029			
0900		PUMP PRIMED AND RUNNING																
1000		1st High Level Sensor Reading	1	42								12592			ACTIVE		.0072	
1015		START High level TEST	2	41.9	42		.865	.855	-.010			594	+2	+0.014	-.024			
1030		CONT " " "	3	41.8	42		.855	.840	-.015			596	+2	+0.014	-.029			
1045		" " " "	4	41.8	42		.840	.825	-.015			598	+2	+0.014	-.029			
1100		" " " "	5	41.9	42		.825	.820	-.005			604	+4	+0.029	-.034			
1115		" " " "	6	41.8	42		.820	.805	-.015			606	+2	+0.014	-.029			
1130		" " " "	7	41.8	42		.805	.795	-.010			608	+2	+0.014	-.024			
1145		" " " "	8	41.8	42		.795	.780	-.015			610	+2	+0.014	-.029			
		DROPPED TO low level																
1200		1st Low Level Reading	1	13.6	12		.380	.480	+0.100			612	+2	+0.014	+0.086			
1215		2nd " " "	2	12.7	12		.480	.520	+0.040			615	+3	+0.022	+0.018			
1220		START low level TEST	1	12.2	12		.520	.530	+0.010			616	+1	+0.007	+0.003	+0.003		
1225		CONT " " "	2	12.1	12		.530	.535	+0.005			617	+1	+0.007	-.002	+0.001		
1230		" " " "	3	12.1	12		.535	.540	+0.005			618	+1	+0.007	-.002	-.001		
1235		" " " "	4	12.1	12		.540	.545	+0.005			619	+1	+0.007	-.002	-.003		
1240		" " " "	5	12.1	12		.545	.550	+0.005			620	+1	+0.007	-.002	-.005		
1245		" " " "	6	12.1	12		.550	.555	+0.005			621	+1	+0.007	-.002	-.007		

1250		CONT low level TEST	7	12.1	12	.555	.560	+0.005			621	+0	+0.000	+0.005	-.002
1255		" " " "	8	12.1	12	.560	.565	+0.005			622	+1	+0.007	-.002	-.004
1300		" " " "	9	12	12	.565	.565	+0.000			622	+0	+0.000	+0.000	-.004
1305		" " " "	10	12	12	.565	.565	+0.000			622	+0	+0.000	+0.000	-.004
1310		" " " "	11	12	12	.565	.565	+0.000			623	+1	+0.007	-.007	-.011
1315		" " " "	12	12	12	.565	.565	+0.000			623	+0	+0.000	+0.000	-.011
1320		" " " "	13	12	12	.565	.565	+0.000			623	+0	+0.000	+0.000	-.011
1325		" " " "	14	12	12	.565	.565	+0.000			623	+0	+0.000	+0.000	-.011
1330		" " " "	15	12	12	.565	.565	+0.000			623	+0	+0.000	+0.000	-.011
1335		" " " "	16	12	12	.565	.565	+0.000			623	+0	+0.000	+0.000	-.011
1340		" " " "	17	12	12	.565	.565	+0.000			624	+1	+0.007	-.007	-.018
1345		" " " "	18	12	12	.565	.565	+0.000			624	+0	+0.000	+0.000	-.018
1350		" " " "	19	12	12	.565	.565	+0.000			624	+0	+0.000	+0.000	-.018
1355		" " " "	20	12	12	.565	.565	+0.000			624	+0	+0.000	+0.000	-.018
1400		" " " "	21	12	12	.565	.565	+0.000			624	+0	+0.000	+0.000	-.018
1405		" " " "	22	12	12	.565	.565	+0.000			624	+0	+0.000	+0.000	-.018
1410		" " " "	23	12	12	.565	.565	+0.000			624	+0	+0.000	+0.000	-.018
1415		" " " "	24	12	12	.565	.565	+0.000			624	+0	+0.000	+0.000	-.018
		STOP TEST													
								check +045					+0.063	= -.018	
													-.018	÷ 2 =	-.009 GPH

P-T Tank Test Data Chart
Additional Info

1. Net Volume Change at Conclusion of Precision Test -.009 gph
Signature of Tester: Don South
Date: 10-4-89

2. Statement:

☒ Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak.

OR

☐ Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of this system. Health Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator: Don South
Date: 10/4/89

Data Chart for Tank System Tightness Test

2818

23

PLEASE PRINT

1. OWNER: ☒ Property ☒ Tenant
 Name: L.W. PACKARD Address: MILLER ASHLAND NH Representative: KEVIN BROWN
 Name: L.W. PACKARD Address: MILLER ASHLAND NH
 Name: L.W. PACKARD Address: MILLER ASHLAND NH
 RE-TEST
 Name: KEVIN BROWN Address: L.W. PACKARD Company or Affiliation: MILLER ASHLAND NH
 Title: L.W. PACKARD
 Address: MILLER ASHLAND NH
 Telephone: 603-882-2894

2. OPERATOR: L.W. PACKARD

3. REASON FOR TEST: RE-TEST

4. WHO REQUESTED TEST AND WHEN: L.W. PACKARD

5. TANK INVOLVED: Side of Building, Capacity: 6000, Grade: MINERAL OIL, 6000, STEEL

6. INSTALLATION DATA: Location: East of Building, Depth to water table: below tank, Is the water over the tank? ☐ Yes ☒ No

7. UNDERGROUND WATER: Depth to the water table: below tank, Is the water over the tank? ☐ Yes ☒ No

8. FILL-UP ARRANGEMENTS: Tanks to be used: 1, Arranged by: L.W. PACKARD, Name: L.W. PACKARD, Telephone: 603-882-2894

9. CONTRACTOR, MECHANICS, or other contractor involved: J.E. Souders, Inc., 106 Main St., So. Portland, ME

10. OTHER INFORMATION OR REMARKS: Additional information on any item above. Official or others to be notified when testing is in progress or completed. Values or observations present during test, etc.

11. TEST RESULTS: Tank Identification: 6000 GALLON MINERAL OIL, Tight: YES, Leakage Indicated: 1009 G.P.H., Date Tested: 10-4-89

12. SENSOR CERTIFICATION: 10-4-89, J.E. Souders, Inc., 106 Main St., So. Portland, ME

14. L.W. PACKARD, MILLER ST, ASHLAND, NH, 10-4-89

15. TANK TO TEST: EAST SIDE OF BUILDING, MINERAL OIL

15a. BRIEF DIAGRAM OF TANK FIELD: 96" Tank Diameter, 96" Tank Diameter, 96" Tank Diameter

16. CAPACITY: Nominal Capacity: 6000 Gallons, By most accurate capacity chart available: 6000 Gallons

17. FILL-UP FOR TEST: Stick Water Bottom before Fill-up: 0, to 10" Gallons: 96, Tank Diameter: 96, Inventory: 96, Total Gallons as Reading: 6016, 6026, 6026

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK: ☐ Water in tank, ☐ Lines being tested with LVLLT, ☐ High water table in tank excavation

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY: Bottom of tank to grade: 30 in, Add 30" for "T" probe assembly, Total tubing to assembly - approximate: 30 in

20. EXTENSION HOSE SETTING: Tank top to grade: 30 in, Extend hose on suction tube 8" or more below tank top: 30 in

21. VAPOR RECOVERY SYSTEM: Stage 1: ☐ Stage 2: ☐

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD: Type of Product: MINERAL OIL, Hydrometer Employed: 3, Temperature in Tank After Circulation: 60.4, Temperature of Sample: 56, Difference (T₁-T₂): -4, Observed A.P.I. Gravity: 23.4, Reciprocal: 2612, Page # 100, Total quantity in full tank (16 or 17): 6026, Volume change in this tank per "F": 2.3070441, Transfer to Line 25c

24c. FOR TESTING WITH WATER: see Table C & D, Water Temperature after Circulation: Table C, Coefficient of Water: Table D, Added Surfactant? ☐ Yes ☐ No, Transfer COE to Line 25b

25. (a) Total quantity in full tank (16 or 17): 6026, (b) Coefficient of expansion for involved product: 3.21, (c) Volume change in this tank per "F": 2.3070441, This is test factor (f): 0.018

Lynn Woodard, P.E., Supervisor
Oil Compliance Section
Ground Water Protection Bureau
Department of Environmental Services
6 Hazen Drive
Concord, N.H. 03302

0112818
ASHLAND
RECEIVED
JUN 24 1992
DEPARTMENT OF
ENVIRONMENTAL SERVICES

Dear Lynn,

The L.W. Packard and Co., Inc. has removed its 6000 gal. underground mineral oil storage tank. The tank was still in good condition and there was no leakage. Date of removal was June 22, 1992. There are no more underground tanks on the L.W. Packard and Co., Inc. property.

For the L.W. Packard and Co., Inc.

Calvin Brown

Calvin A. Brown, Plant Engineer.



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

603-271-3503

FAX 603-271-2867

TDD Access: Relay NH 1-800-735-2964



August 5, 1992

Calvin A. Brown, Plant Engineer
L.W. Packard & Co.
6 Mill Street
Ashland, NH 03217

RE: ASHLAND, L.W. PACKARD & CO., CLOSURE REPORT (UST #0112818)

Dear Mr. Brown:

We were notified that underground storage tank(s) (USTs) located at the above listed facility was (were) permanently closed during the month of June 1992.

Results of the assessment including field screening and laboratory analysis of samples collected at the time of closure of the USTs must be submitted to this office immediately. Please submit the test data to:

New Hampshire Department of Environmental Services
Water Supply & Pollution Control Division
Oil Compliance Section
6 Hazen Drive, P.O. Box 95
Concord, NH 03302

Please note that the New Hampshire Department of Environmental Services records show that your facility is in non-compliance with the requirements of Env-Ws 411 and will remain a violation of these rules until the requested information is submitted.

Continued non-compliance with the requirements of Env-Ws 411 may result in fines and/or penalties as specified by RSA 146-C and Env-C 602.08.

Should you have any questions, please feel free to contact me at the Water Supply and Pollution Control Division at 271-3644.

Sincerely,

Nancy Kursewicz
Groundwater Protection Bureau

NMK/jeh/6579:9227

cc: Paul M. Currier, P.E., GPB
Lynn A. Woodard, P.E., OCS/GPB
File✓

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-1381

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-2900 FAX (603) 271-2456



December 1, 1997

Susan Francesco
L.W. Packard & Company, Inc.
6 Mill Street, P.O. Box 515
Ashland, N.H. 03217-515

**Subject: Hazardous Waste Limited Permit Application received on August 28, 1997
for the New Hampton Facility**

Dear Ms. Francesco:

The New Hampshire Department of Environmental Services, Waste Management Division has completed a review of the above referenced application to permit treatment of hazardous wastewaters at your facility. The requested Hazardous Waste Limited Permit, Permit No. DES-HW-LP-97-031, is herewith granted per the enclosed authorization, pursuant to RSA Chapter 147-A and Section Env-Wm 353.04(j), or (k) of the New Hampshire Hazardous Waste Rules.

Questions concerning the conditions of this Limited Permit should be directed to Kevin H. Hopkins or me at (603) 271-2942.

Sincerely,

John J. Duclos, Supervisor
Hazardous Waste Compliance Section
Waste Management Division

Enclosure: HW Limited Permit #DES-HW-LP-97-031
NHDES Permit Process Questionnaire

cc: GZA - R. Breton
DES-WRBP - T.J. Croteau
WD-WQ/PCB - G.F. Carlson, P.E.
DB/RCRA
HWLP file

k\hw\hw-lp97.031



HAZARDOUS WASTE LIMITED PERMIT

as authorized by the

NH Department of Environmental Services, Waste Management Division (Department)
pursuant to RSA 147-A and Part Env-Wm 353 of the New Hampshire Hazardous Waste Rules (Rules)

I. PERMIT/FACILITY IDENTIFICATION:

Permit No.: DES-HW-LP-97-031

Permittee: L.W. Packard & Company, Inc.

Facility Name: L.W. Packard & Company, Inc.

Facility Location: Route 132, One Packard Drive, New Hampton, N.H. 03862

EPA ID No.: NHD500020847

Type of Treatment: Elementary Neutralization Unit

II. FILE REFERENCE/RECORD OF APPLICATION:

Date(s) Received: August 28, 1997

WMD Log #(s): 1997-0000636

III. TERMS AND CONDITIONS: The facility shall comply with the following terms and conditions:

- (1) All operation and closure requirements in Part Env-Wm 353.04(e), (f), (g), (h) and (i).
- (2) Requirements for Hazardous Waste Generators in Chapter Env-Wm 500.
- (3) Manifest Requirements in Part Env-Wm 510.
- (4) Recordkeeping and Reporting Requirements in Parts Env-Wm 512 and Env-Wm 705.
- (5) Winnepesaukee River Basin Program - IDP0003

IV. EXPIRATION DATE: In accordance with Env-Wm 353.04(m), this Limited Permit shall expire on December 1, 2002. Renewal of this Limited Permit is subject to the requirements of Env-Wm 353.04(m).

V. AUTHORIZATION SIGNATURE: Pursuant to RSA Chapter 147-A and Part Env-Wm 353 of the New Hampshire Hazardous Waste Rules, this Limited Permit is hereby issued to the permittee identified in Section I above to treat hazardous wastewaters generated by the permittee at the facility identified in Section I above. Treatment of wastewaters and operation of the unit(s) shall be as described in documents cited in Section II above, subject to the terms and conditions provided in Section III above.

BY EXERCISING ANY RIGHTS UNDER THIS AUTHORIZATION, THE PERMITTEE HAS AGREED TO ALL TERMS AND CONDITIONS OF THE PERMIT. Failure to comply with the terms and conditions of the Limited Permit could result in civil, criminal and/or administrative penalties, suspension, or revocation of the Limited Permit. No liability is incurred by the State of New Hampshire by reason of any approval of this Limited Permit. Approval by the Department is based on plans and specifications provided by the applicant. No warranty or guarantee is intended by reason of any advice given by the Department or its staff.

This permit shall not eliminate the need to obtain all requisite federal, state or local permits, licenses or approvals, or to comply with all other applicable federal, state, district and local permits, ordinances, laws, approvals or conditions for the operation of the facility.


Philip J. O'Brien, Ph.D., Director
Waste Management Division

December 1, 1997

Date



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3644 FAX (603) 271-2181



October 06, 2000

Ms. Susan Francesco
L.W. Packard & Co., Inc.
6 Mill Street
Ashland, NH 03217

SUBJECT: **ASHLAND:** L.W. Packard & Co., Inc., 6 Mill Street; Acknowledgment of Aboveground Storage Tank Facility (AST) registration (DES Facility No. 200009045A)

Dear Ms. Francesco:

This letter is to inform you that on September 25, 2000, the New Hampshire Department of Environmental Services (DES) received and registered your aboveground petroleum storage tank (AST) facility. Enclosed is your registration acknowledgment card for this facility. Please retain this card with your files.

Registration of your facility is required for participation in the N.H. Petroleum Cleanup Fund program, however, the statutory deadline for registration of regulated ASTs was July 1, 1996, or 60 days following receipt of ownership, whichever is later. Therefore, you must request a waiver of the registration deadline to be eligible for cleanup cost reimbursement should a release of petroleum occur.

Please be advised that the Oil Fund Disbursement Board has determined that it will not take action on late registration waiver requests until a discharge occurs at an AST facility which results in the owner incurring cleanup related costs. DES records indicate that no discharge from this facility from ASTs has been reported. You must submit your waiver request at the time access to the reimbursement funds available under RSA 146-D or RSA 146-E, as applicable, is needed.

There is no need to do anything regarding the waiver now. The purpose of this letter is to inform you that you must request a waiver of the statutory deadline at the time of applying to the State of New Hampshire for reimbursement of funds expended to clean up an oil spill at your facility, should one occur.

Since this AST facility is regulated by DES, there are certain requirements associated with all active AST(s) that you should be aware of. These are:

1. Owners or operators of regulated ASTs must perform a visual inspection of the tank **at least monthly** to ensure that all equipment is functioning and there is no unusual condition associated with the tank or its appurtenances. You must document in writing that you have performed this inspection. To assist you, DES has prepared and enclosed fact sheet no. OIL-20 which explains in greater detail the inspection requirements.
2. Both New Hampshire and federal regulations require that you have a spill prevention control and countermeasure (SPCC) plan at your facility. You may recall that the registration form asked if you had one for your facility. If you checked "no" or left it blank, enclosed is a summary sheet providing guidance on the preparation of an SPCC plan. Federal regulation states that such a plan shall be certified by a licensed professional engineer (P.E.).

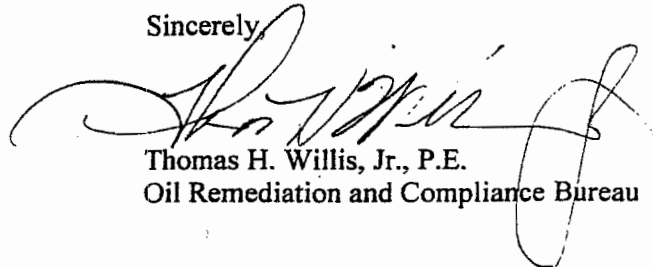
Additionally, you shall review this plan **every three years**. If the plan accurately reflects current conditions at the facility, you can make a dated notation that you have reviewed the plan. If there are changes to the facility, you must amend the plan. All amended plans shall be reviewed and certified by a PE.

3. By April 25, 2000, a facility owner must have a gauge and an independent high level alarm that is both audible and visible to the person filling the tank installed on each existing regulated tank greater than 660 gallons at the facility (vent alarms are suitable on tanks less than 660 gallons in capacity). The high level alarm must be set to activate when the product level reaches 90 percent of capacity, or three percent less than the maximum safe fill height for tanks greater than 12,000 gallons in capacity. Fact Sheet Oil-22 has been enclosed to provide you with more information.
4. By April 25, 2000, all regulated tanks must be marked with the markings described in fact sheet no. OIL-21 (enclosed).
5. If the petroleum in the tank is intended for: retail or wholesale distribution, operation of a fleet of five or more vehicles, or if any portion of the tank system (including piping) is in contact with the soil, the inventory shall be monitored to ensure that there are no unexplained losses of oil. This means that you should be aware that the amount of oil entering the tank is nearly equal to the amount of oil leaving the tank.

DES has requirements for the removal from service or dismantling of existing regulated ASTs. Additionally, all new regulated ASTs shall be approved by DES prior to installation. Additional guidance on these matters is contained in the AST regulations (Env-Wm 1402 - Control of Aboveground Petroleum Storage Tank Facilities). A copy of this can be obtained by calling DES' Public Information and Permitting Unit at (603) 271-2975 or can be downloaded from DES' Internet website at <http://www.des.state.nh.us>. Click on "Waste Management" under Environmental programs then the "Aboveground Storage Tank" link.

DES appreciates your efforts to comply with the AST program. Should you have any questions concerning the contents of this letter or on the registration form, or on the AST rules, please contact me at (603) 271-3644, or by e-mail at t_willis@des.state.nh.us.

Sincerely,



Thomas H. Willis, Jr., P.E.
Oil Remediation and Compliance Bureau

THW/m:/ast/deadwavr/wavr0180.ltr

Enclosures: Fact sheet OIL-20
Fact sheet OIL-21
Fact sheet OIL-22
Guidance on Minimum Standard for SPCC Plans as Required by US. EPA



State of New Hampshire
Department of Environmental Services
Waste Management Division

200009045

**Aboveground Petroleum Storage Tank (AST) Facility
Self-Inspection Checklist and Certification**

Name of Facility L.W. Packard & Co., Inc.
Address of Facility 6 Mill Street
Town/City Ashland AST Facility No. 200009045A
Inspector Joel Bean Date of Inspection 5/25/01

Tank Identification (corresponding to the AST Registration)	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. ____	Tank No. ____	Tank No. ____
Date of Installation?	11/88	11/88			
Capacity?	20,000	20,000			
Product Stored?	# 6	# 6			
Product Level Gauge? (note manufacturer and/or type) Env-Wm 1402.24(a)	☒ Yes ☐ No Petrometer Model 1329	☒ Yes ☐ No Petrometer Model 1329	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Independent High Level Alarm? (note manufacturer and/or type) Env-Wm 1402.24(b)	☒ Yes ☐ No Omntec Model LV2-LF	☒ Yes ☐ No Omntec Mod. LV2-LF	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Tank Markings? (note deficiencies as applicable) Env-Wm 1402.18(e)	☒ Yes ☐ No Deficiencies?	☒ Yes ☐ No Deficiencies?	☐ Yes ☐ No Deficiencies?	☐ Yes ☐ No Deficiencies?	☐ Yes ☐ No Deficiencies?
Secondary Containment? (post April 25, 1997 only) Env-Wm 1402.21	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
SPCC Plan Env-Wm 1402.30	On Site? ☒ Yes ☐ No Accessed? ☐ Yes ☒ No Engineer Certified? ☒ Yes ☐ No Date Last Reviewed: <u>5/2001</u> Comments: RECEIVED				
Contamination Noted? NHRSA 146-A:3	☐ Yes ☒ No Location: MAY 31 2001 Extent: DEPARTMENT OF ENVIRONMENTAL SERVICES				

Note: The purpose of this site inspection was to determine compliance with selected requirements of New Hampshire Administrative Rules Section Env-Wm 1402 regarding the control of aboveground petroleum storage tank (AST) facilities. This inspection did not review the entire AST facility to determine compliance with all the requirements of this administrative rule. Rather the purpose of this inspection was to determine compliance with elements for which a recent deadline had passed or is a continuous requirement.

Joel Bean
Signature of Inspector

5-30-01
Date



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3644 FAX (603) 271-2181



December 3, 2001

Joel Bean (maintenance)
6 Mill Street
Ashland NH 03217

RE: L.W. Packard & Co., Inc., 6 Mill Street; *Internal Tank Inspections*; Aboveground Petroleum Storage Tank (AST) Facility No. 000945A

Dear Mr. Bean:

The New Hampshire Department of Environmental Services (DES) is providing this mailing to all registered aboveground petroleum storage tank (AST) facilities having ASTs requiring internal inspections. Internal inspections are required in accordance with Env-Wm 1402.29(b) New Hampshire Code of Administrative Rules Env-Wm 1402, Control of Aboveground Petroleum Storage Facilities, (AST Rules).

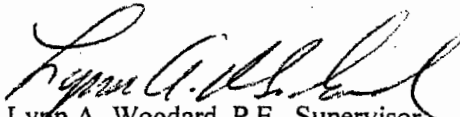
Enclosed you will find an attachment that serves as a reminder of the fast approaching deadline of April 25, 2002 for the inspection of tank interiors pursuant to Env-Wm 1402.29 of the AST Rules. Use the attached flowchart to determine if this requirement applies to any of the tanks at your facility. If your tank(s) are required to have an interior inspection performed by the April 25, 2002 deadline, please review Env-Wm 1402.29(e) of the AST Rules and make the necessary arrangements to have the tank(s) inspected. Please note that interior tank inspections shall be performed by an API certified inspector or a professional engineer with knowledge of tank testing procedures. We suggest that you contact a qualified inspector as soon as possible to schedule his/her services.

If you have already performed interior inspections on some or all of your tanks, **please forward copies of the inspection results for those tanks.** Results should identify the tank and include the inspector's findings regarding serviceability and the next recommended inspection date. The report must bear the API 653 certification number or the professional engineer's stamp, and be signed by the inspector.

Additional guidance on these matters is contained in the AST Rules, which are available at <http://www.des.state.nh.us/orcb/doclist/1402.pdf>. More information on the AST program, as well as registration and application forms, are available at <http://www.des.state.nh.us/orcb/astprog.htm>

DES appreciates your efforts in complying with the AST Rules. Should you have any questions concerning the content of this letter or any aspect of the AST program please contact Jack Chwasciak at (603) 271-3577 or myself at (603) 271-1165.

Sincerely,


Lynn A. Woodard, P.E., Supervisor
Oil Remediation and Compliance Bureau

LAW/gis/h:\mjuranty\massmail2001\interiorinsp.doc
Enc: Flowchart
Env-Wm 1402.29
cc: AST file

December 5, 2002

JOEL BEAN
L W PACKARD & CO INC
6 MILL ST
ASHLAND, NH 03217

**RE: ASHLAND; L W PACKARD & CO INC, 6 MILL ST; SPILL PREVENTION, CONTROL, AND
COUNTERMEASURE (SPCC) PLAN; ABOVEGROUND STORAGE TANK (AST) FACILITY NO.
200009045**

Dear Joel Bean:

The New Hampshire Department of Environmental Services (DES) is providing this mailing to all regulated aboveground petroleum storage tank (AST) facilities to inform facility owners of a recent amendment to Title 40 of the Code of Federal Regulations, Part 112 (40 CFR Part 112), and to explain what that means to you.

Env-Wm 1402.30 of the New Hampshire Code of Administrative Rules Env-Wm 1402, Control of Aboveground Petroleum Storage Facilities (AST Rules) requires that all AST facilities subject to this part shall have a SPCC Plan. The SPCC Plan shall be prepared in accordance with 40 CFR Part 112. DES requires that the SPCC Plan be current, reflecting all AST systems and changes to those AST systems, and be certified by a registered professional engineer (P.E.).

Please be aware that there are many amendments to 40 CFR Part 112, which became effective on August 16, 2002, that go beyond the scope of the AST Rules. For example, all facilities in operation prior to August 16, 2002, **must revise their existing SPCC Plan to reflect the amendments to 40 CFR Part 112 by February 17, 2003**. Also, owners must provide security measures at the facility such as fencing and lighting. Many owners may have to provide secondary containment, sized to hold the largest single tank of any loading/unloading tanker, for their loading/unloading rack. These are but a few of the requirements of 40 CFR Part 112 that are enforceable by the United States Environmental Protection Agency (EPA). A newsletter prepared by EPA as a brief explanation of the revisions to 40 CFR Part 112 has been included in this mailing for your information. We encourage you to become knowledgeable on the details of these federal requirements as they pertain to your facility.

For more information on SPCC Plans visit <http://www.epa.gov/oilspill>, or call Don Grant, Spill-SPCC Enforcement Coordinator at (617) 918-1768. More information on the state AST program, as well as registration and application forms, is available at <http://www.des.state.nh.us/orcb/astprog.htm>. Should you have any questions concerning the content of this letter or any aspect of the AST program please contact me at (603) 271-6058 or by e-mail at mjuranty@des.state.nh.us.

Sincerely,



Michael W. Juranty, P.E.
Oil Remediation and Compliance Bureau

Site #: 200009045

AST #: 000945A

AST Facility Inspection



Facility Information

Location: **L W PACKARD & CO INC**

6 MILL ST

ASHLAND

Joel Bean (603) 968-3351

Owner: **L W PACKARD & CO INC**

6 MILL ST

ASHLAND, NH

Inspection Date / Time 3 DEC 2003Inspector: P WERNER / S HIGGINSFacility Registration Date: Sep 12, 2000SPCC Plan Accessible? YESSPCC Last Review Date: 5/1/2001Is SPCC P.E. Certified? Unknown

Monthly Facility Inspections by Owner? _____

Monthly Inventory Monitoring? _____

Suspected Discharge, Evidence of Leaks/Spills? _____

Tank

Tank No.	Status	Capacity	Substance Stored	Date Installed	Construction Code	Type Cathodic Protection	Last Cathodic Protection Test Date	Secondary Containment	Interstitial Monitoring	Level Gauge	Independent High Level Alarm	Tank Markings	On Cradles?	Last Interior Inspection Date	Interior Inspection Results	Interior Inspection Due
1	Active	20000 gal.	#2 Heating	11/1/1988	Integrated Secondary Containment (E.G. "Tank-In-A-Box")			Y		YES PETROME	YES OMNTEC	YES	YES			
2	Active	20000 gal.	#2 Heating	1/1/1988	Integrated Secondary Containment (E.G. "Tank-In-A-Box")			Y		YES PETROME	YES OMNTEC	YES	YES			

Piping

System Type	Material Code	Type Cathodic Protection	Last Cathodic Protection Test Date	Secondary Containment
BG	STE			Y
BG	STE			Y

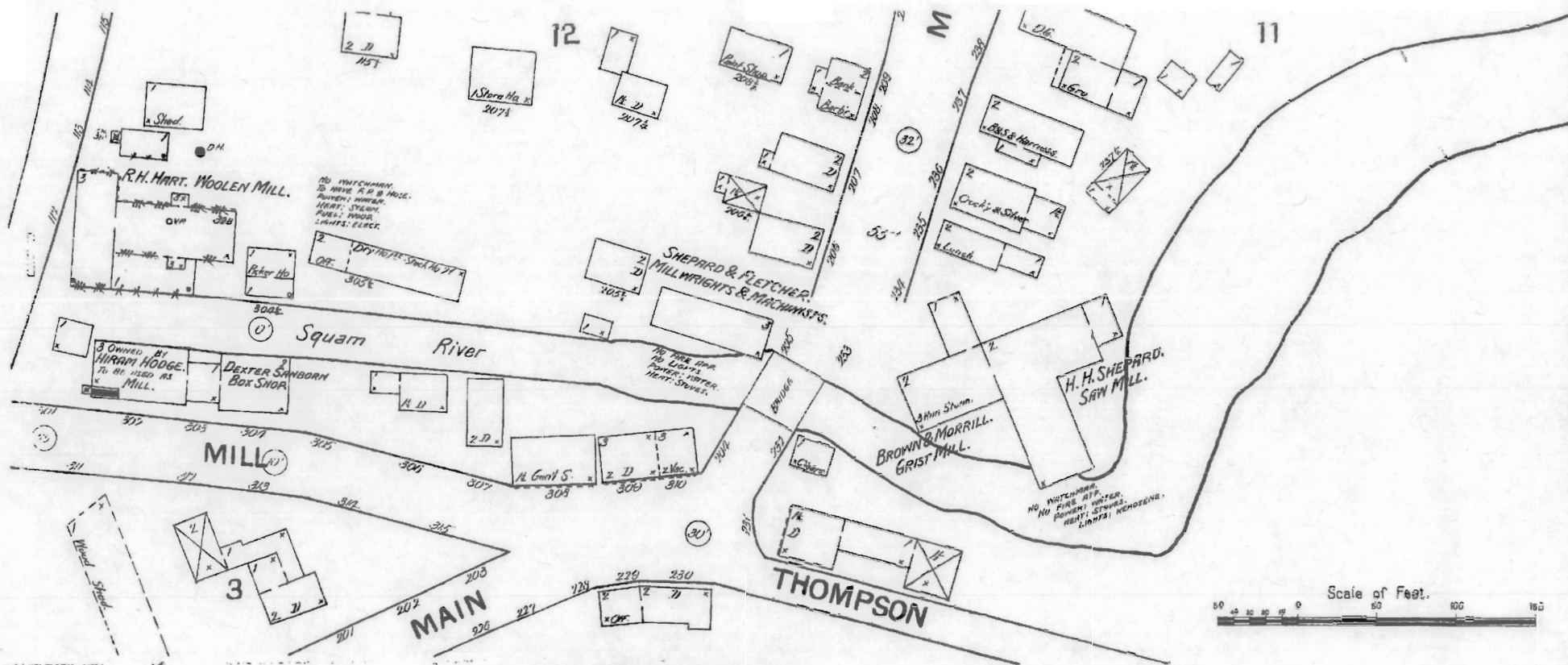
Comments:

Owner/ Representative Signature

000945A

Appendix C

Sanborn Fire Insurance Maps



1892 Sanborn
Map

Squam River

1892 Sanborn Map South of Hill Street

C.B. FOSDICK.
Buckskin Facy
6 FIRE EXTINGRS.
POWER: WATER.
HEAT: STEAM.
FUEL: WOOD.

Vac
Store No.

28 F.R.

Not In Use
owned by
Ambrose
S. S.

(Mutual Risk.)
ASHLAND KNITTING CO.
1 ROTARY N°4 FIRE PUMP.
AUT. SPRINKLERS (GRINNELL SYSTEM.)
2000' HOSE. PHLS. & BBLs. THROUGHOUT
MILL. POWER: WATER HEAT: STEAM.
FUEL: COAL & WOOD LIGHTS: ELEC.
NIGHT & SUNDAY WATCHMAN.

storage

Dyebox

Wool Sortg & Drying 1st
Tin Cl. Knitting 2nd
Cardg & Spinning
3rd & Attic.
picker
In Bst.

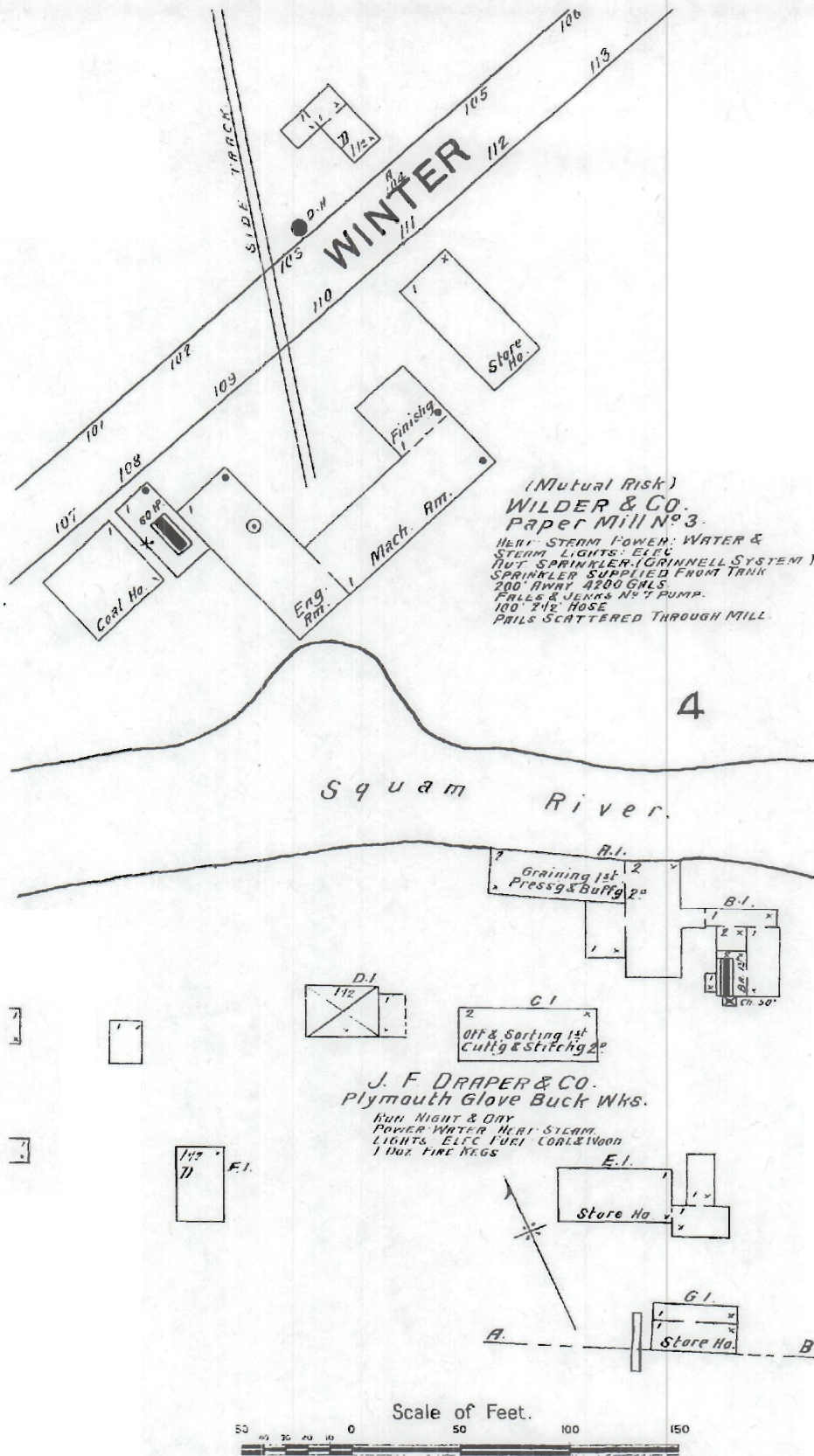
Finishing

Coal
Shed

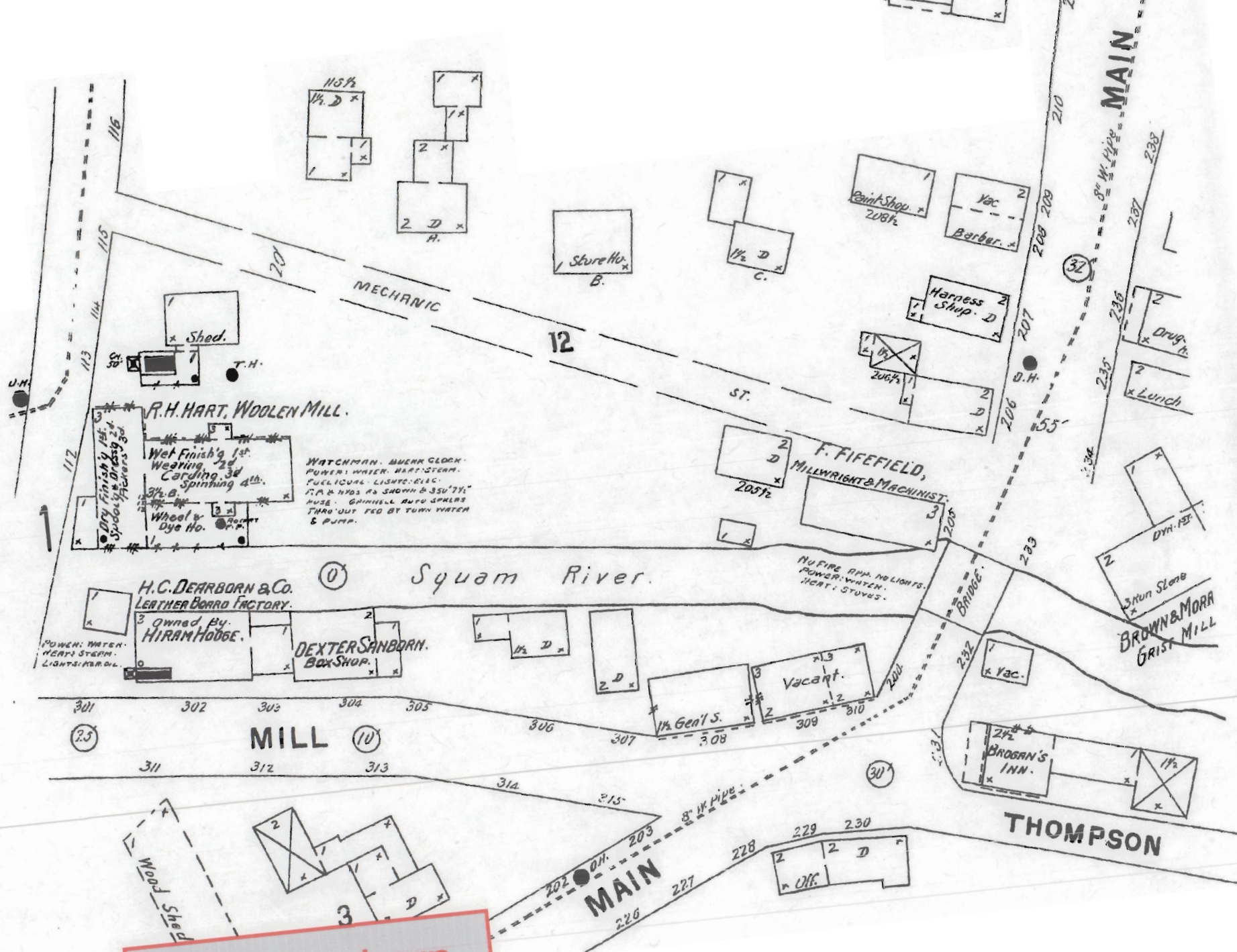
Packg

Map Division
Jul 29 '55
Library of Congress
Boardg Ho.

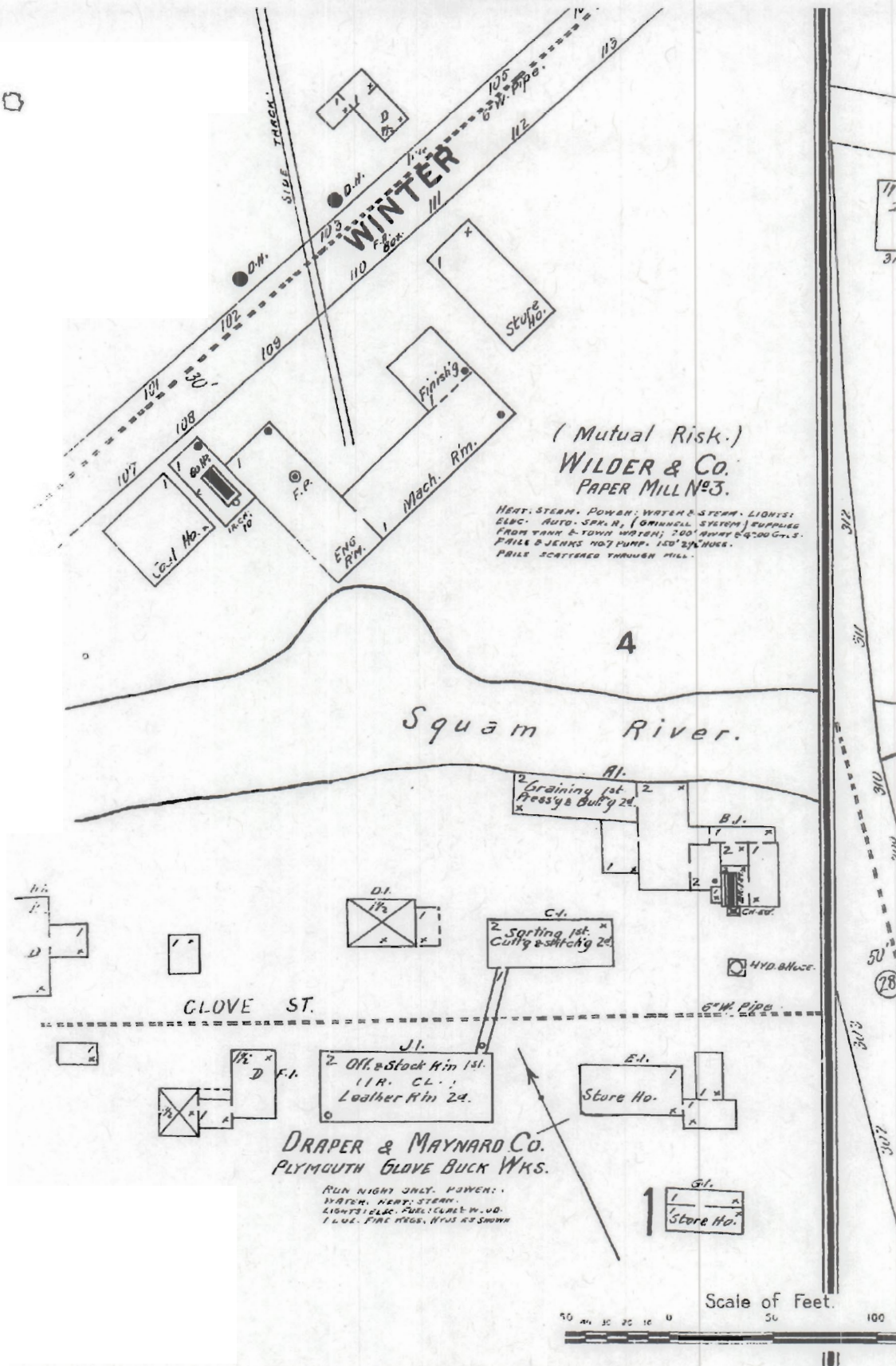
MITCHELL
9.12.1892



1892 Sanborn Map
West End of Property

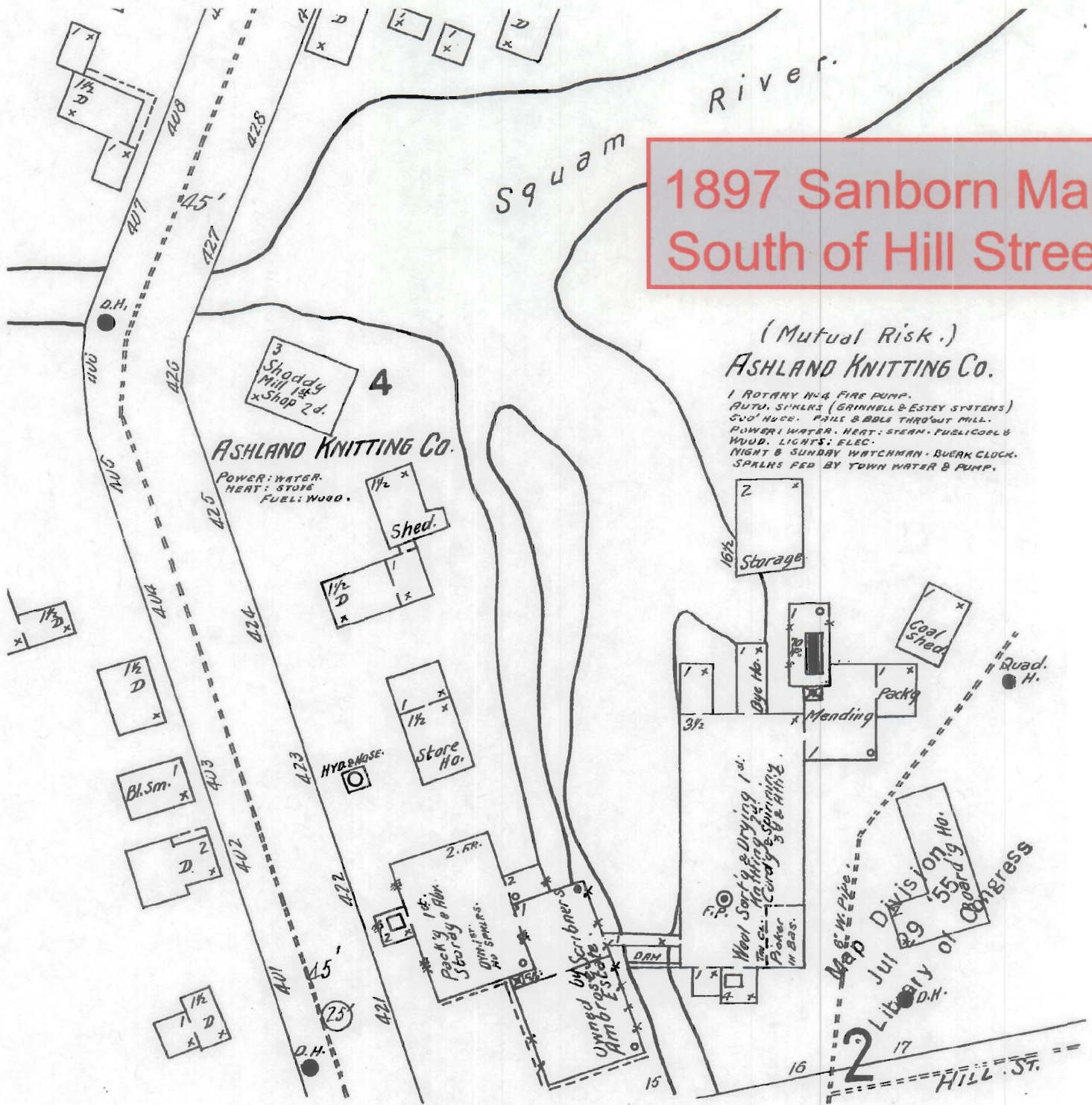


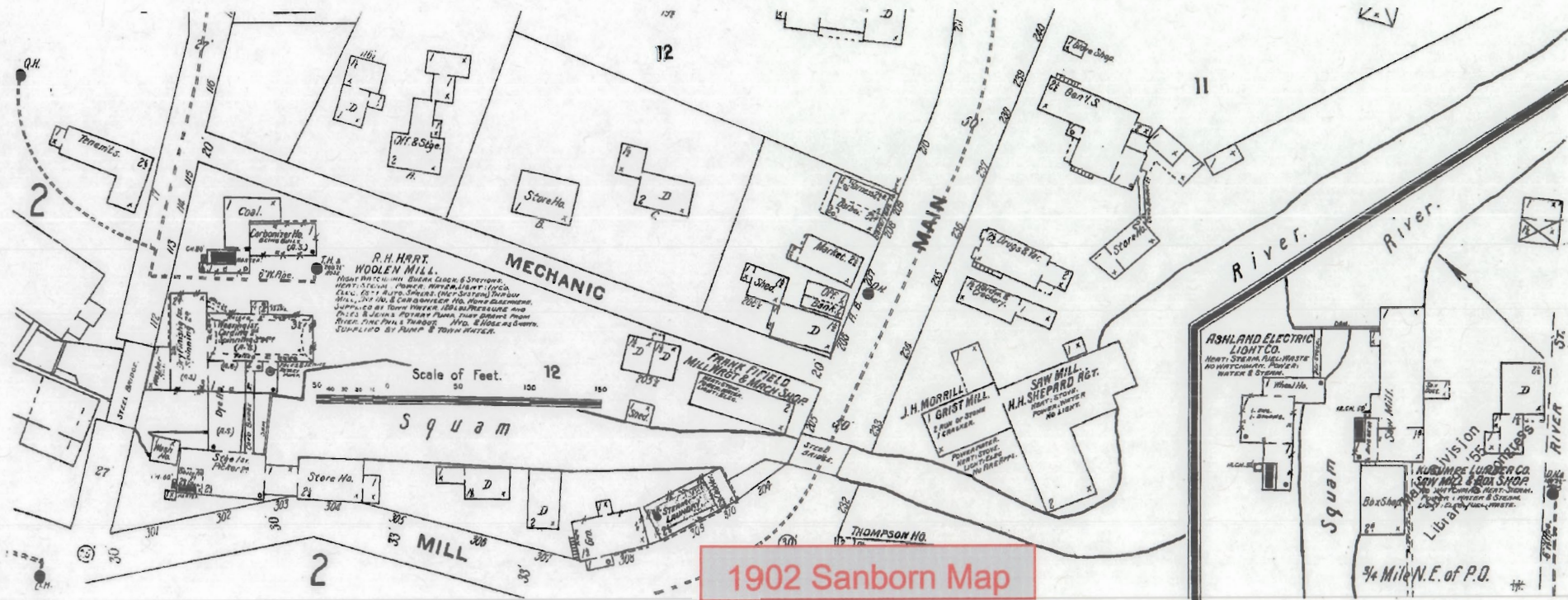
1897 Sanborn
Map



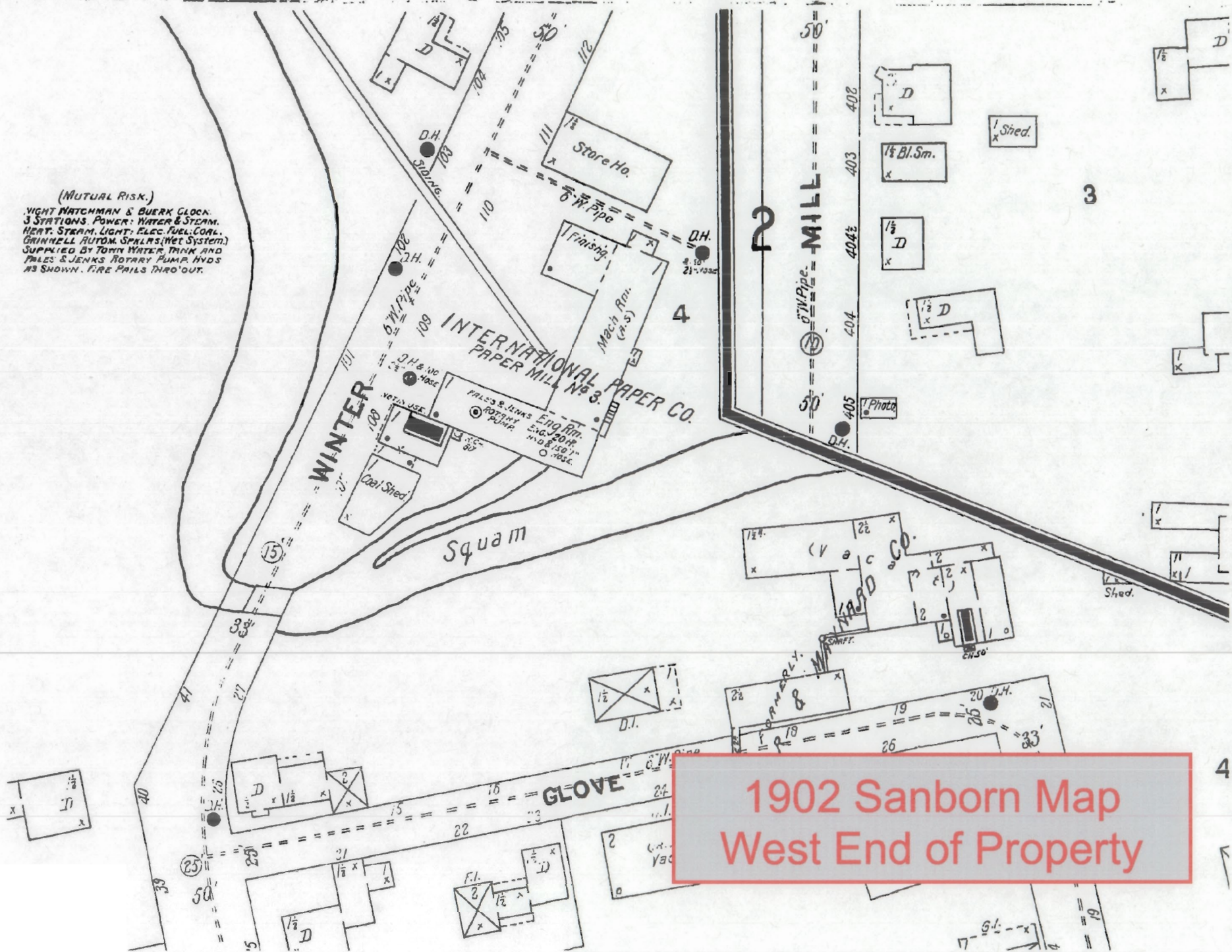
1897 Sanborn Map
West End of Property

1897 Sanborn Map South of Hill Street

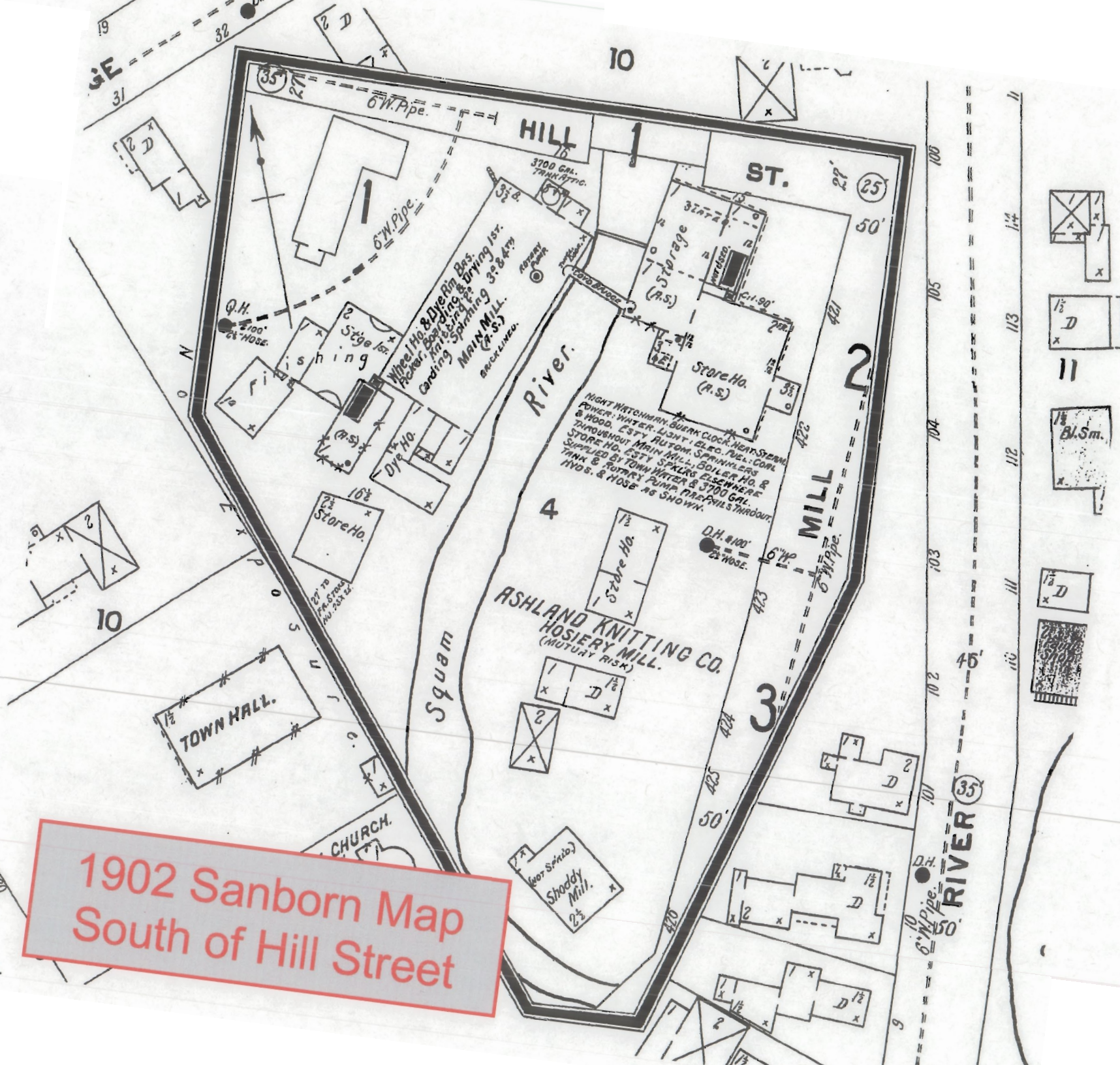


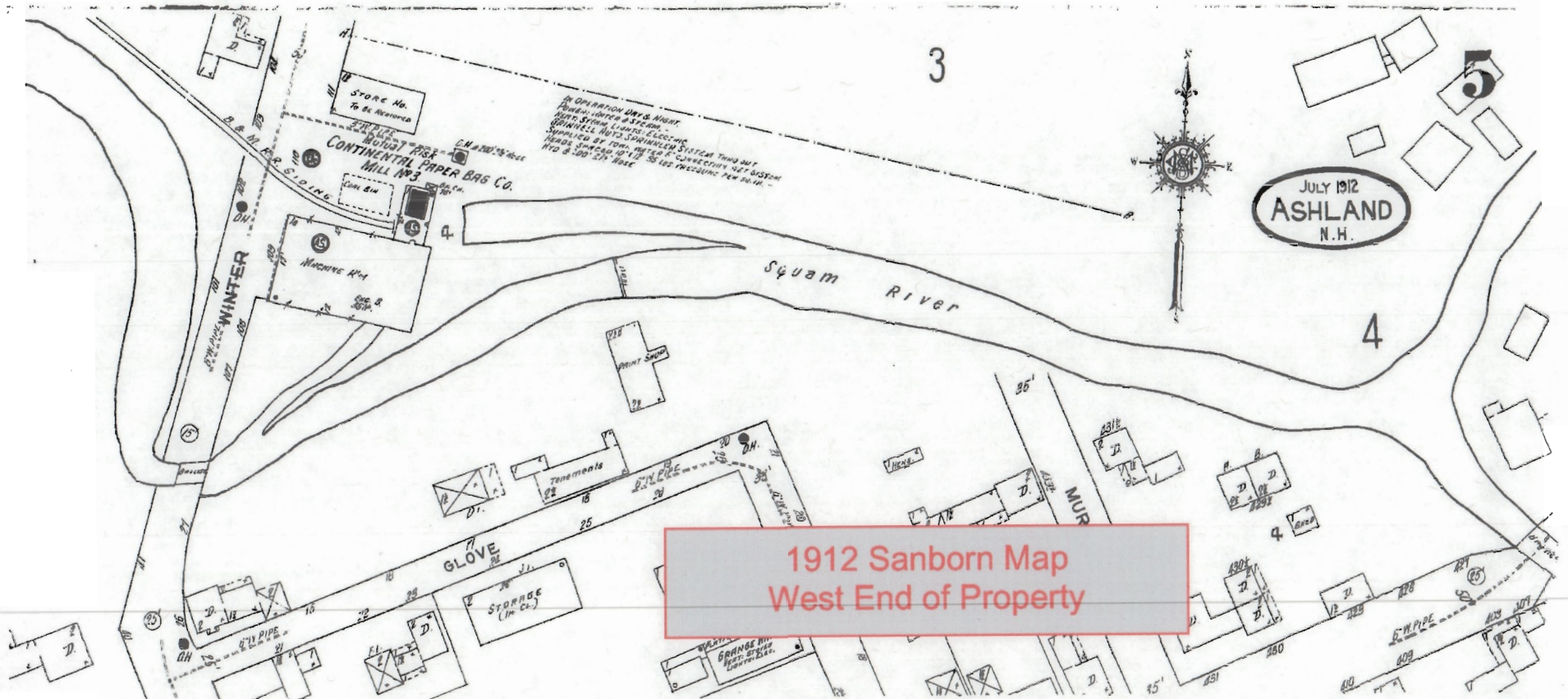


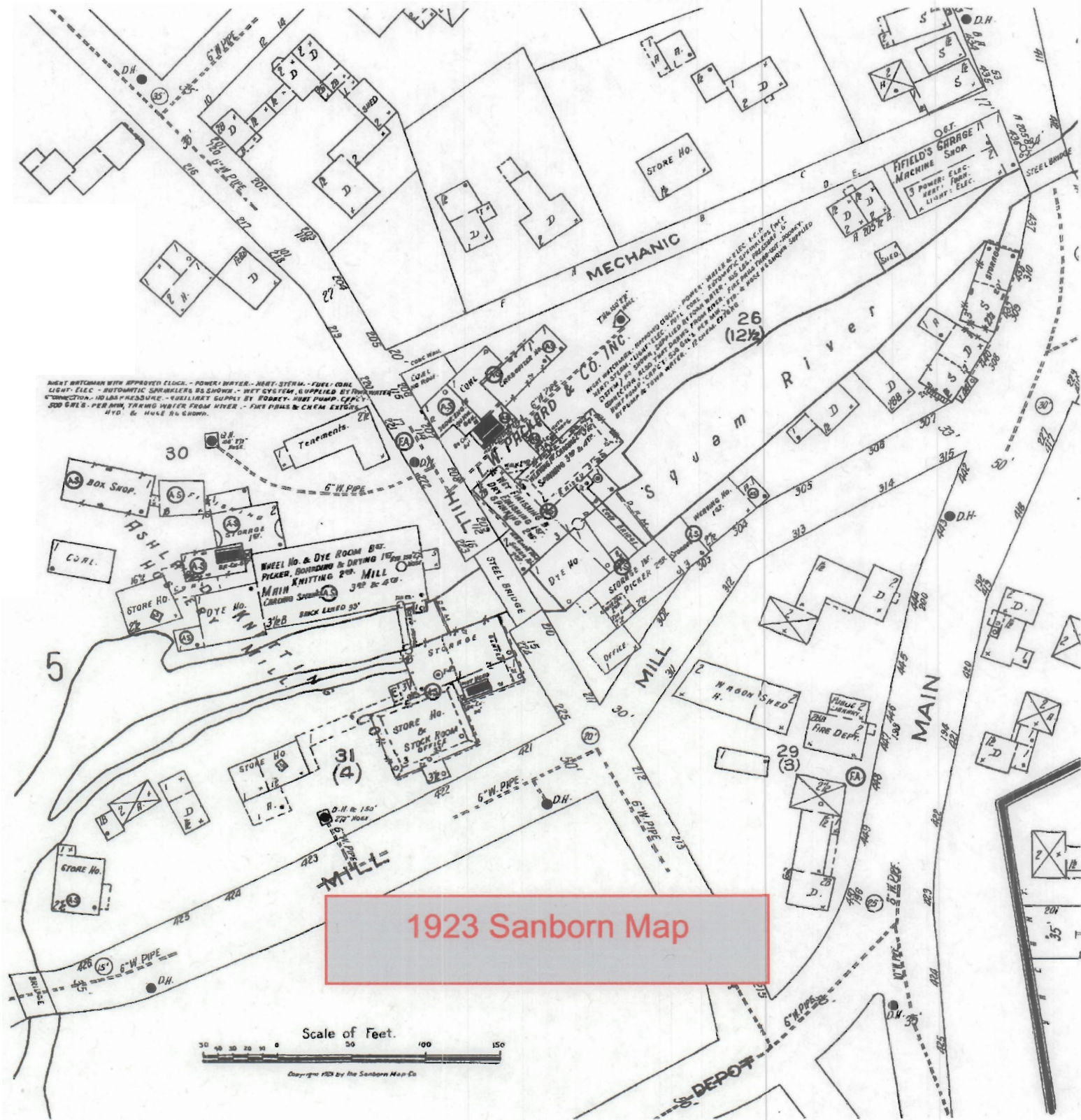
(MUTUAL RISK.)
 NIGHT WATCHMAN & BUERK CLOCK.
 3 STATIONS. POWER: WATER & STEAM.
 HEAT: STEAM. LIGHT: ELEC. FUEL: COAL.
 GRINNELL AUTOM. SPKLS. (WET SYSTEM).
 SUPPLIED BY TOWN WATER TANK AND
 PALES & JENKS ROTARY PUMP. HYDS
 AS SHOWN. FIRE PAILS THRO' OUT.

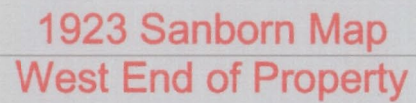


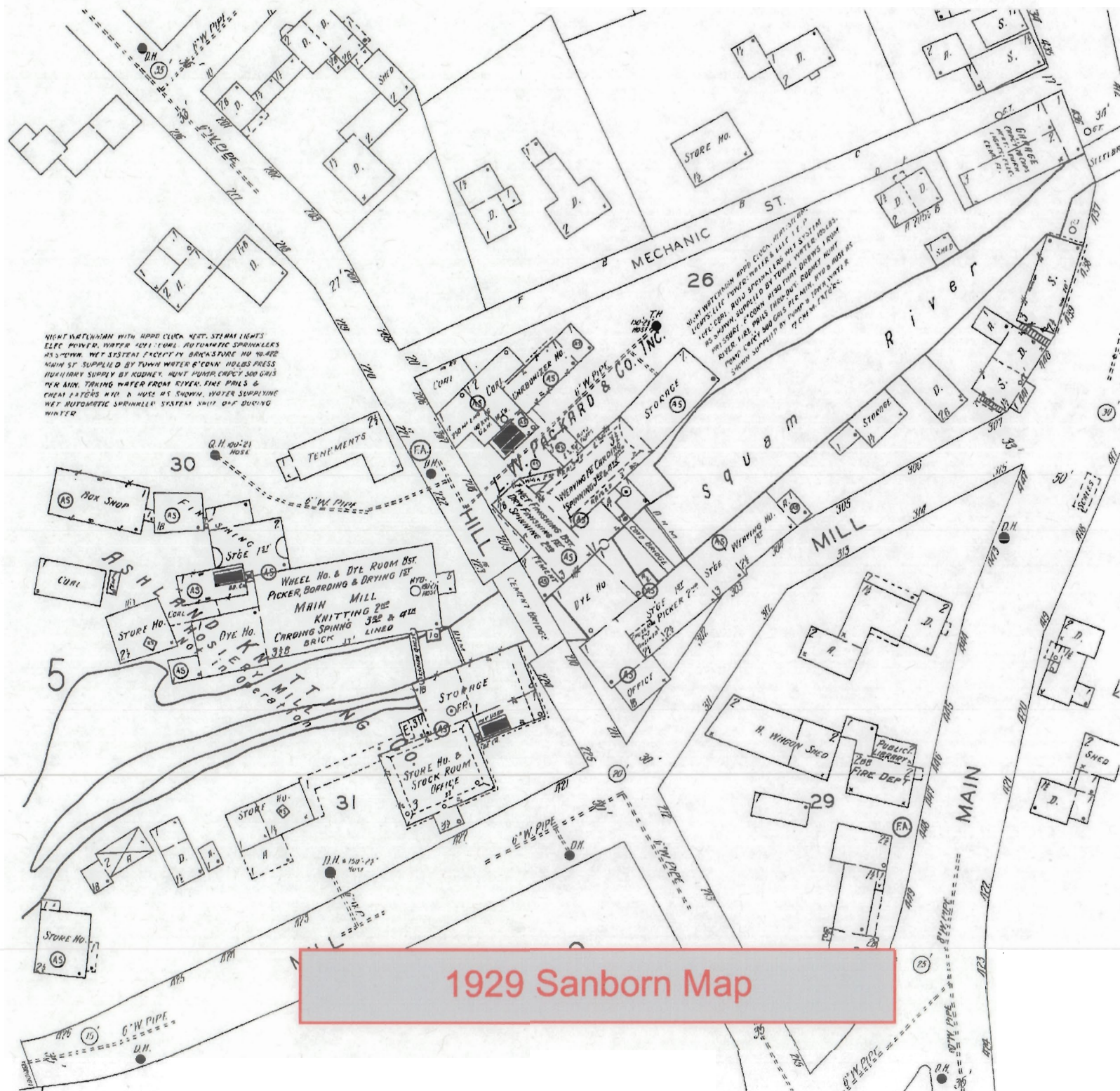
1902 Sanborn Map
South of Hill Street

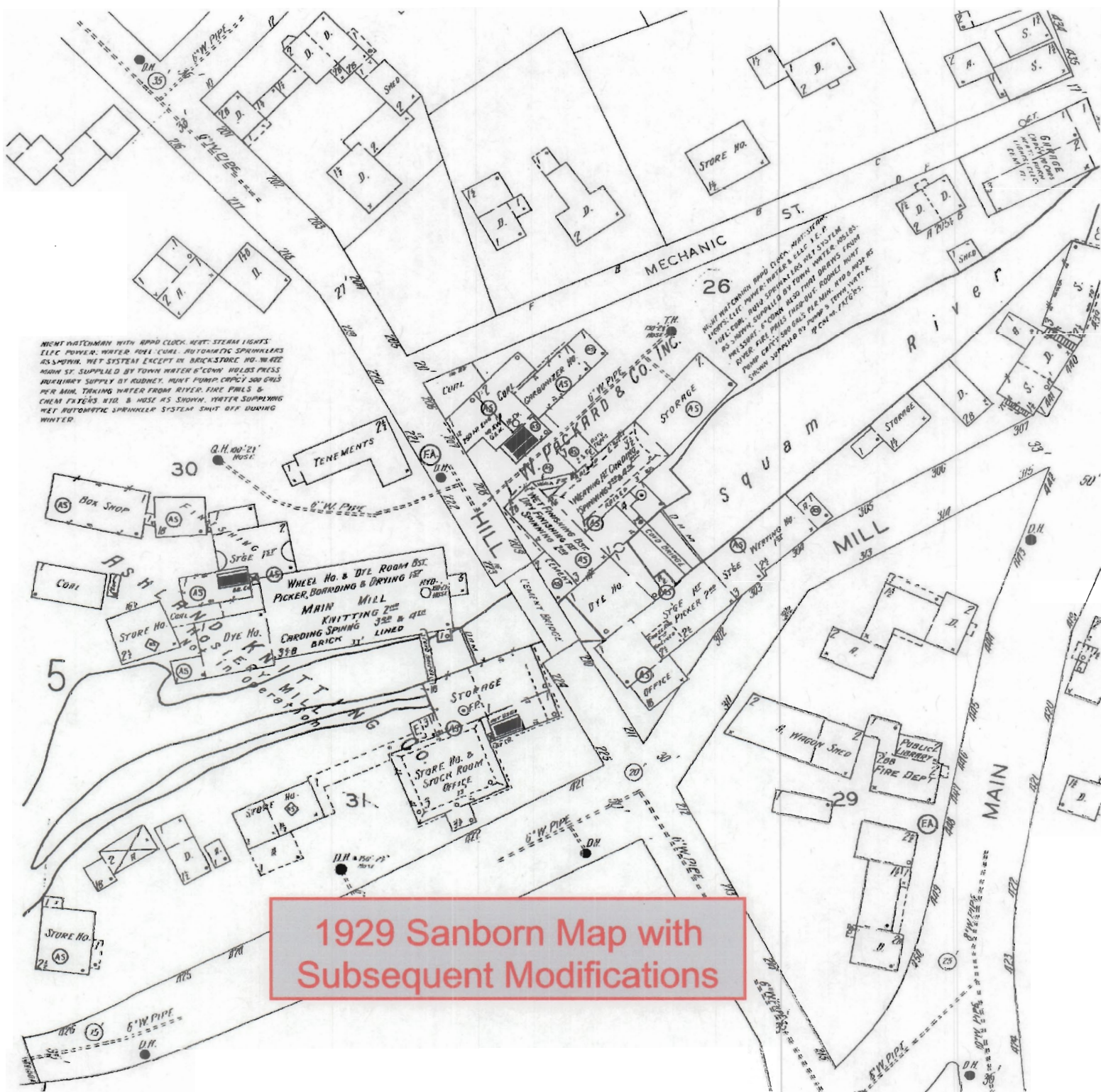


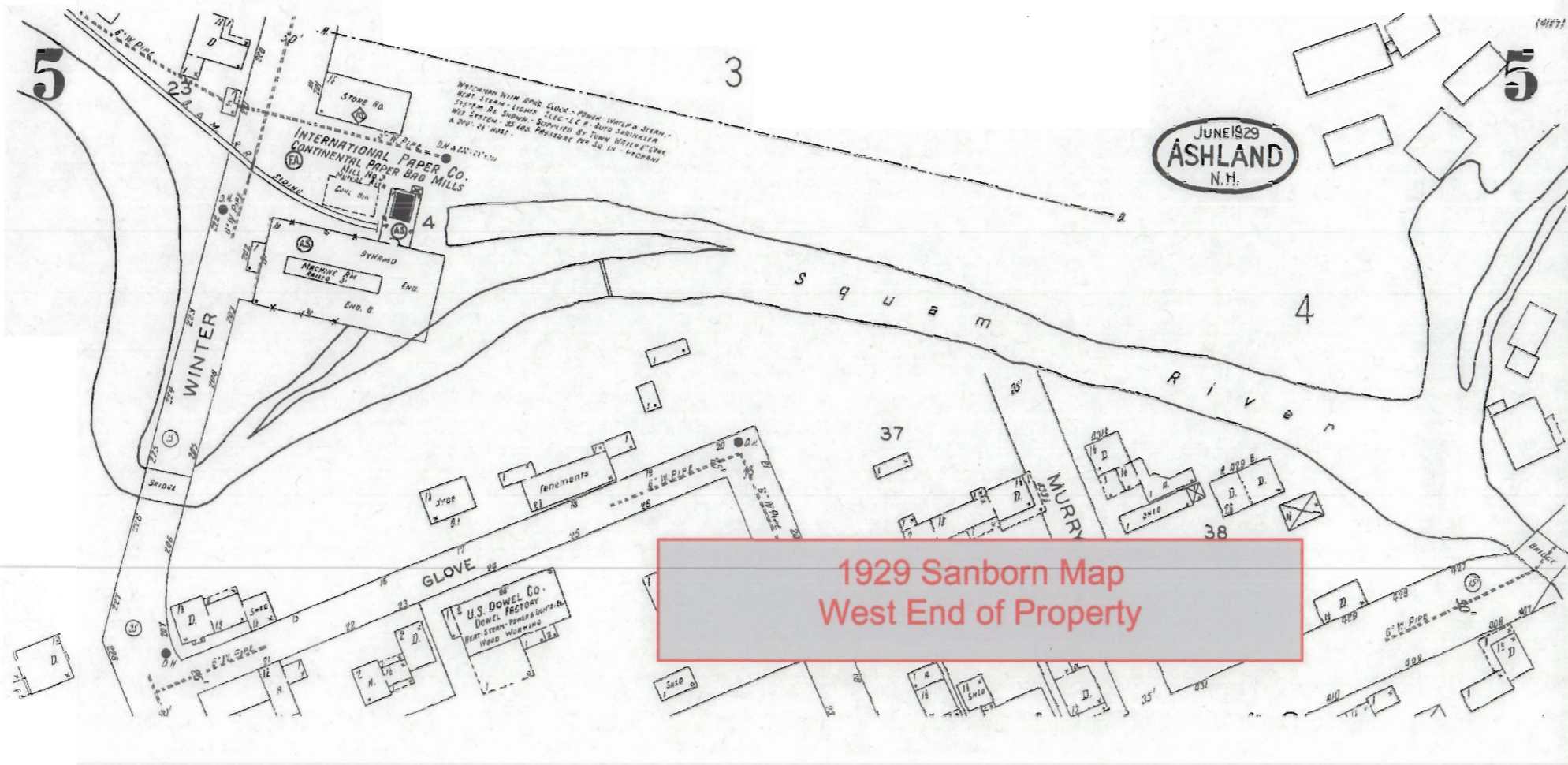












Appendix D

L. W. Packard Operations Information

Fine Fabrics for Coats and Jackets from America's Leading Woolen Mill

America's most prestigious and demanding manufacturers of coats, jackets and blazers rely on L. W. Packard & Co., Inc. for supply of their fine Wool, Cashmere, Camel Hair, Angora, Mohair, Alpaca and Llama fabrics. The mill, founded in 1840, built its reputation as the leading manufacturer of Woolen and precious fiber fabrics by consistently striving to meet world-wide demand for an extensive variety of fabrics with special finishes, textures and custom colors.

L. W. Packard engineers developed a completely vertical, high capacity production facility. The company, family owned and operated, blends its skilled craftsmen and highly trained personnel with continuous investments in the most modern, labor-saving textile manufacturing equipment available. Working together, the Packard Team designs efficient, high volume carding, spinning, weaving, dyeing and finishing systems to produce the finest fabrics at the lowest cost. This enables L. W. Packard to successfully compete with the world's best woolen mills.

Among the L. W. Packard's most sought after products are its luxurious Cashmere, Camel Hair, Angora, Mohair, Alpaca and Llama fabrics. These 100% pure precious fiber fabrics are also available in blends with other fibers to present the perfect style, finish and color required by coat and jacket designers throughout the world.

Fabrics produced under the L. W. Packard label are your guarantee that they contain 100% virgin fibers. Reprocessed fibers are never used. This conforms with U.S.A. labeling laws, considered to be the strictest in the world.

To provide customers with fast deliveries and competitive prices the mill invests early each season in very large inventories of carefully selected and tested raw fiber. Coat and jacket designers can rely on L. W. Packard to maintain abundant supplies of the best grades of virgin wool and precious fibers, especially Cashmere.

The mill's facilities are designed to maintain the purity of all fibers and ensure continuous inspections at all stages of carding, spinning, weaving, dyeing and finishing, including two final inspections. The result for Cashmere and all other L. W. Packard fabrics is a consistent quality that is ready for the "tailor's needle."

The complete range of L. W. Packard fabrics can be seen at the New York showroom of its exclusive sales associates, Warshaw Woolen Associates, Inc. Warshaw is recognized by coat and jacket manufacturers as one of America's most prestigious showrooms for woolen and precious fiber fabrics. In addition to managing all sales and marketing, Warshaw coordinates all customer requirements with the mill to

ensure timely deliveries and complete customer satisfaction. For samples and all information, contact:

Mr. William Warshaw
Warshaw Woolen Associates, Inc.
111 West 40th Street • New York, NY 10018 (U.S.A.)
Phone: 212-221-4800 • Fax: 212-302-1781
E-mail: bwarshaw@warshawwoolen.com

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[News](#)

[Contact Us](#)

[Send Gear](#)

**PACKARD
SAFETY
CLEANING**



TURNOUT GEAR CLEANING



Complete Cleaning Process to NFPA & Manufacturer's Guidelines

**From
This....**



**To This
!**



SPECIAL OFFERS - AVAILABLE FOR TRIAL SERVICE

**** Contact Us For Details***

Contact Information:

Telephone: 603-968-8375

FAX: 603-968-7649

Postal address: 22 Mill Street Ashland, NH 03217

Electronic mail:

General Information: psc@lwpackard.com

Sales: psc@lwpackard.com



You are visitor

3285

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SAFETY
CLEANING**

TURNOUT GEAR CLEANING

Complete Cleaning Process to [NFPA](#) & Manufacturer's Guidelines



Gear is carefully logged in and tracked throughout the entire process.



Garments are inspected for damage and wear, and liners are separated from their outer shells.



All Gear is spotted by hand. Zippers, Velcro, and snaps are closed for washing.



Garments are cleaned, disinfected, and deodorized using a special formula.



To prevent cross contamination liners and shells are washed separately.



All garments are dried at a specific temperature setting.



We have a clean and bright 10,000 square foot facility to best serve your needs.



All Gear is folded and packaged in clear laundry wrap.

Contact Information:

Telephone: 603-968-8375

FAX: 603-968-7649

Postal address: 22 Mill Street Ashland, NH 03217

Electronic mail:

General Information: psc@lwpackard.com

Sales: psc@lwpackard.com

Appendix E

Bonyman Jig and Elpakco Electronics Operations Information



Elpakco Electronics

Manufacturer of Interconnect Solutions

- Home
- About Us
- Product Line
- New Products
- Online Catalog
- Distributors
- Representatives
- Facilities
- Contact Us

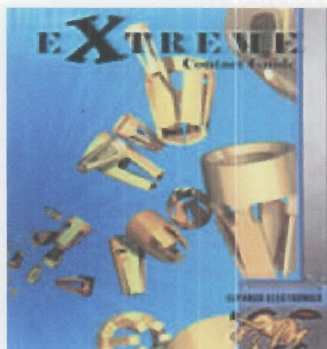
Elpakco, Inc.
2 Carl Thompson Road
Westford, MA 01886
Ph: 978-392-0400
Fax: 978-392-6814
E-mail: info@elpakco.com



Elpakco specializes in

Interconnect components ranging from standard DIP, SIP, and PGA sockets to customized solutions designed to fit your specific needs. We are also a major supplier to the Test Fixture Industry with products ranging from interface panels and wire wrap pins to personality pins and wiring blocks.

We provide equivalent parts for Advanced Interconnection, AMP, Andon, Aries, Augat, Cambion, Concord, Keystone, McKenzie, Mill-Max, PMP (Precision Metal Products), Robinson Nugent, Samtec, Tyco, Useco and many other Interconnect suppliers.



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If you would like more information on our capabilities please feel free to contact us via [e-mail](#) or simply give us a call (978-392-0400).

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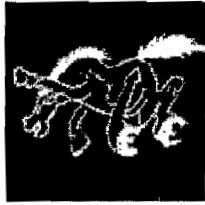
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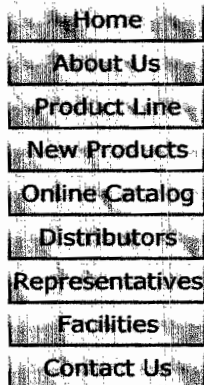
CQ Counter

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Elpakco Electronics

About Elpakco, Inc.



Elpakco, Inc.
2 Carl Thompson Road
Westford, MA 01886
Ph: 978-392-0400
Fax: 978-392-6814
E-mail: info@elpakco.com

History

Elpakco Incorporated began in 1984 as a value-added distributor, specializing in loose pins, receptacles, and machine contact type sockets. Shortly after the company's inception, it became apparent that the most effective way to develop and service customers was to sell directly under the Elpakco name. Elpakco transitioned into manufacturing and we produced our first catalog. With that change in direction, Elpakco developed into a niche manufacturer with an excellent reputation for producing a top quality product line with fast turn-around times.

As Elpakco's product line and customer base developed, so did our ability to change with the times. As the market brought closure to many competitors' specialty divisions, Elpakco capitalized on the downsizing trend to acquire the necessary machinery to fit Elpakco's manufacturing needs. Specialty molds and equipment came from the biggest names in the industry; Cambion, EMC, Key Precision, Precision Metal Products, Wells Electronics, Bic and Augat's Swiss Turning Machines, for example. Elpakco currently owns and operates over 150 Swiss turning machines with the necessary backup for processing parts from raw materials to finished connectors.

Since our inception the client base has reached global proportions and we have established Far East sources for those standard cross-the-board items to make our catalog one of the most complete of its kind in the industry.

Current Operations

Elpakco currently runs operations in Westford, Massachusetts, Ashland, New Hampshire, Worcester, Massachusetts and Bangkok, Thailand. Elpakco Incorporated is headquartered in Westford, Massachusetts, about 30 minutes outside of Boston. The Westford headquarters is where our sales, accounting and assembly departments are located. The Ashford, NH and Worcester, MA locations are machine shops that run most of our custom jobs and many of our standard parts. The Bangkok

facility runs some of the most standard Elpakco parts and also performs some assembly duties. Elpakco employs 25 people in the Westford, Worcester and Ashland locations.

Quality

Elpakco Incorporated prides itself on its top quality products. Many processes are in place to ensure customer satisfaction with every order. While we are not an ISO certified company we have our own company policies regarding our processes and quality control. We can supply certification and test data when required and our quality control department ensures that our customers receive only the highest quality work.

Customers

Elpakco Incorporated services customers such as: Motorola, Nortel Networks, Raytheon and Ironwood Electronics. Elpakco also services numerous companies involved in medical equipment, networking, circuit board designing and even aerospace and auto manufacturing. Elpakco also has a network of distributors that sell various Elpakco product lines. These distributors include Hardware Specialty, Century Fasteners and PUI (Projections Unlimited).

The Future

Elpakco Incorporated looks forward to the future. We are constantly re-inventing our product line. As parts continue to become more intricate in design and smaller in size, Elpakco is confident that companies will turn to us to provide top quality products and engineering know-how to get the job done.

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Elpakco Electronics

Our Facilities

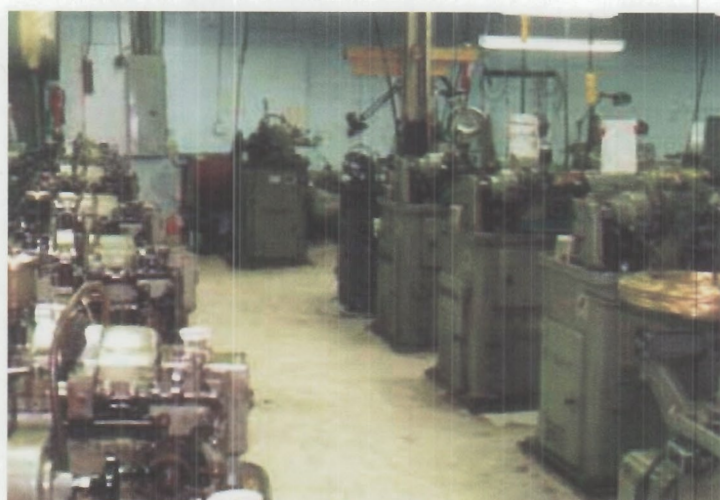
Elpakco, Inc. Corporate Headquarters in Westford, Massachusetts. Some assembly takes place here, as well as Sales, Marketing and all Corporate functions.

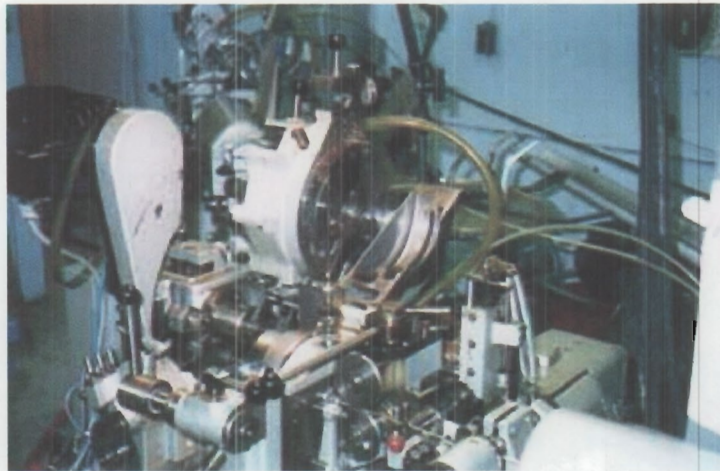
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2 Carl Thompson Road
Westford, MA 01886
Ph: 978-392-0400
Fax: 978-392-6814
E-mail: info@elpakco.com



Elpakco's Ashland, New Hampshire location. Most of our production takes place here with over 35 Escomatic Screw Machines and 50 Bechler Screw Machines. A full-time staff of talented operators help keep these machines running and lead-times short.





Elpakco's Worcester, Massachusetts location. A storage facility for DIP, SIP Plastic, Screw Machines and Screw Machine parts.



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Business Name History

Name	Name Type
PERFORMANCE CHEMICALS, LLC	Legal

358302 - New Hampshire - Information

Business ID:	422950
Status:	Active
Entity Creation Date:	12/19/2002
State of Business.:	NH
Principal Office Address:	225 CORN HILL ROAD BOSCAWEN NH 03303
Principal Mailing Address:	[Address Not Available] NH
Expiration Date:	Perpetual
Last Annual Report Filed Date:	4/1/2005
Last Annual Report Filed:	2005

Registered Agent

Agent Name:	MICHAEL ROBERT CURRIER
Office Address:	225 CORN HILL ROAD BOSCAWEN NH 03303
Mailing Address:	

Organizers

Name:	
Address:	225 Corn Hill Road Boscawen Nh 03303
Name:	
Address:	225 CORN HILL ROAD BOSCAWEN NH 03303

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Appendix F

Laboratory Data Sheets



AQUARIAN ANALYTICAL INC.

Laboratory Services

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Volatile Organic Report & Oxygenates

04-21-2004,15:19

Page 1 of 2

AAI Sample #	84687		
Project	L.W. PACKARD	Matrix	Soil/Solid
Date Sampled	04-06-2004,13:15	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004,10:16	Location	SED-1
Date of Analysis	04-11-2004	Town	ASHLAND
% Solids	78.63%		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Benzene	BD	0.040
Bromobenzene	BD	0.040
Bromodichloromethane	BD	0.040
Bromoform	BD	0.040
Bromomethane	BD	0.040
n-Butylbenzene	BD	0.040
sec-Butylbenzene	BD	0.040
tert-Butylbenzene	BD	0.040
Carbon-Tetrachloride	BD	0.040
Chlorobenzene	BD	0.040
Chloroethane	BD	0.040
Chloroform	BD	0.040
Chloromethane	BD	0.060
2-Chlorotoluene	BD	0.040
4-Chlorotoluene	BD	0.040
Dibromochloromethane	BD	0.040
1,2 Dibromo-3-Chloropropane	BD	0.040
1,2 Dibromoethane	BD	0.040
Dibromomethane	BD	0.040
1,2 Dichlorobenzene	BD	0.040
1,3 Dichlorobenzene	BD	0.040
1,4 Dichlorobenzene	BD	0.040
Dichlorodifluoromethane	BD	0.100
1,1 Dichloroethane	BD	0.040
1,2 Dichloroethane	BD	0.040
1,1 Dichloroethene	BD	0.040
cis-1,2 Dichloroethene	BD	0.040
trans-1,2 Dichloroethene	BD	0.040
1,2 Dichloropropane	BD	0.080
1,3 Dichloropropane	BD	0.040
2,2 Dichloropropane	BD	0.040
1,1 Dichloropropene	BD	0.040
cis-1,3 Dichloropropene	BD	0.040
trans-1,3 Dichloropropene	BD	0.040
Ethylbenzene	BD	0.040
Hexachlorobutadiene	BD	0.080
Isopropylbenzene	BD	0.040
p-Isopropyltoluene	BD	0.040



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Volatile Organic Report & Oxygenates

04-21-2004, 15:19

Sample 84687

Page 2 of 2

Project L.W. PACKARD
Location SED-1

Matrix Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Methylene Chloride	BD	0.100
Naphthalene	BD	0.080
n-Propylbenzene	BD	0.040
Styrene	BD	0.040
1,1,1,2 Tetrachloroethane	BD	0.040
1,1,2,2 Tetrachloroethane	BD	0.040
Tetrachloroethene	BD	0.040
Toluene	BD	0.040
1,2,3 Trichlorobenzene	BD	0.080
1,2,4 Trichlorobenzene	BD	0.080
1,1,1 Trichloroethane	BD	0.040
1,1,2 Trichloroethane	BD	0.040
Trichloroethene	BD	0.040
Trichlorofluoromethane	BD	0.080
1,2,3 Trichloropropane	BD	0.040
1,2,4 Trimethylbenzene	BD	0.040
1,3,5 Trimethylbenzene	BD	0.040
Vinyl Chloride	BD	0.040
o-Xylene	BD	0.040
m&p-Xylene	BD	0.040
Ethyl Ether	BD	0.600
Acetone	BD	2.000
Methylethylketone MEK	BD	1.000
Methylisobutylketone	BD	1.000
Tetrahydrofuran	BD	0.600
Methyl-t-butyl ether	BD	0.040
Diisopropyl ether	BD	0.080
Ethyltertbutyl ether	BD	0.080
Tertbutyl Alcohol	BD	0.400
Tertamylmethyl ether	BD	0.080

Comments:

Duplicate sample indicates heterogeneity, Cr, Pb.

Spike sample indicates matrix effect, Ba 63%.

Method of VOA Analysis = EPA-8260B

BD = Below Detection Limit - Results are in parts per million (ppm) unless noted.



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Volatile Organic Report & Oxygenates

04-21-2004, 15:19

Page 1 of 2

AAI Sample #	84688	Matrix	Soil/Solid
Project	L.W. PACKARD	Sampler	DOELLE/AMBELAS
Date Sampled	04-06-2004, 13:40	Location	SED-2
Date Logged In	04-07-2004, 10:18	Town	ASHLAND
Date of Analysis	04-11-2004		
% Solids	78.17%		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Benzene	BD	0.040
Bromobenzene	BD	0.040
Bromodichloromethane	BD	0.040
Bromoform	BD	0.040
Bromomethane	BD	0.040
n-Butylbenzene	BD	0.040
sec-Butylbenzene	BD	0.040
tert-Butylbenzene	BD	0.040
Carbon-Tetrachloride	BD	0.040
Chlorobenzene	BD	0.040
Chloroethane	BD	0.040
Chloroform	BD	0.040
Chloromethane	BD	0.060
2-Chlorotoluene	BD	0.040
4-Chlorotoluene	BD	0.040
Dibromochloromethane	BD	0.040
1,2 Dibromo-3-Chloropropane	BD	0.040
1,2 Dibromoethane	BD	0.040
Dibromomethane	BD	0.040
1,2 Dichlorobenzene	BD	0.040
1,3 Dichlorobenzene	BD	0.040
1,4 Dichlorobenzene	BD	0.040
Dichlorodifluoromethane	BD	0.100
1,1 Dichloroethane	BD	0.040
1,2 Dichloroethane	BD	0.040
1,1 Dichloroethene	BD	0.040
cis-1,2 Dichloroethene	BD	0.040
trans-1,2 Dichloroethene	BD	0.040
1,2 Dichloropropane	BD	0.080
1,3 Dichloropropane	BD	0.040
2,2 Dichloropropane	BD	0.040
1,1 Dichloropropene	BD	0.040
cis-1,3 Dichloropropene	BD	0.040
trans-1,3 Dichloropropene	BD	0.040
Ethylbenzene	BD	0.040
Hexachlorobutadiene	BD	0.080
Isopropylbenzene	BD	0.040
p-Isopropyltoluene	BD	0.040



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Volatile Organic Report & Oxygenates

04-21-2004, 15:20

Sample 84688

Page 2 of 2

Project L.W. PACKARD
Location SED-2

Matrix Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Methylene Chloride	BD	0.100
Naphthalene	BD	0.080
n-Propylbenzene	BD	0.040
Styrene	BD	0.040
1,1,1,2 Tetrachloroethane	BD	0.040
1,1,2,2 Tetrachloroethane	BD	0.040
Tetrachloroethene	BD	0.040
Toluene	BD	0.040
1,2,3 Trichlorobenzene	BD	0.080
1,2,4 Trichlorobenzene	BD	0.080
1,1,1 Trichloroethane	BD	0.040
1,1,2 Trichloroethane	BD	0.040
Trichloroethene	BD	0.040
Trichlorofluoromethane	BD	0.080
1,2,3 Trichloropropane	BD	0.040
1,2,4 Trimethylbenzene	BD	0.040
1,3,5 Trimethylbenzene	BD	0.040
Vinyl Chloride	BD	0.040
o-Xylene	BD	0.040
m&p-Xylene	BD	0.040
Ethyl Ether	BD	0.600
Acetone	BD	2.000
Methylethylketone MEK	BD	1.000
Methylisobutylketone	BD	1.000
Tetrahydrofuran	BD	0.600
Methyl-t-butyl ether	BD	0.040
Diisopropyl ether	BD	0.080
Ethyltertbutyl ether	BD	0.080
Tertbutyl Alcohol	BD	0.400
Tertamylmethyl ether	BD	0.080

Comments:

Method of VOA Analysis = EPA-8260B

BD = Below Detection Limit - Results are in parts per million (ppm) unless noted.



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Total RCRA Metals

04-21-2004, 16:12

Sample 84687

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 04-06-2004, 13:15 Sampler = DOELLE/AMBELAS
Date Logged In = 04-07-2004, 10:16 Location = SED-1
Date of Analysis = 04-12-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	0.900	0.500
Barium	6020	15.000	1.000
Cadmium	6020	BD	0.500
Chromium	6020	4.300	0.500
Lead	6020	64.000	0.500
Mercury	6020	BD	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

Duplicate sample indicates heterogeneity, Cr, Pb.

Spike sample indicates matrix effect, Ba 63%.

Results expressed in milligrams/kilogram, (ppm)



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Total RCRA Metals

04-21-2004, 16:13

Sample 84688

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 04-06-2004, 13:40 Sampler = DOELLE/AMBELAS

Date Logged In = 04-07-2004, 10:18 Location = SED-2

Date of Analysis = 04-12-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	3.700	0.500
Barium	6020	15.000	1.000
Cadmium	6020	BD	0.500
Chromium	6020	11.000	0.500
Lead	6020	8.500	0.500
Mercury	6020	BD	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

Results expressed in milligrams/kilogram, (ppm)

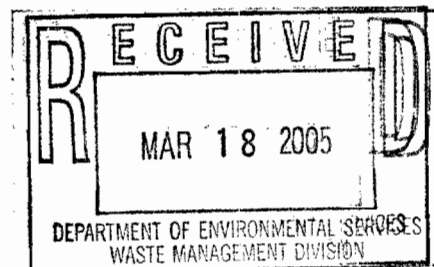


DEJ#200009045

March 16, 2005

Mr. William R. Evans
Oil Remediation and Compliance Bureau
Waste Management Division
New Hampshire Department of Environmental Services
P.O. Box 95
Concord, New Hampshire 03302-0095

Subject: L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
ARC Project No. LW-04742
NHDES Site No. 200009045

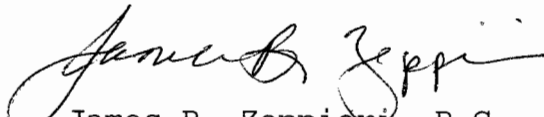


Dear Mr. Evans:

Enclosed for your review is ARC's Soil Sampling and Analysis Report for the L. W. Packard and Company, Inc., property in Ashland, New Hampshire.

Please call Jim Zeppieri at 746-4156 if you have questions.

Sincerely,
ARC ENVIRONMENTAL CONSULTANTS, INC.


James B. Zeppieri, P.G.
Project Manager

Soil Sampling and Analysis Report

L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
ARC Project No. LW-04742
NHDES Site No. 200009045
March 15, 2005

Prepared By:

James B. Zeppieri, P.G.
603-746-4156

Prepared For:

Mr. John Glidden
President
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire 03217

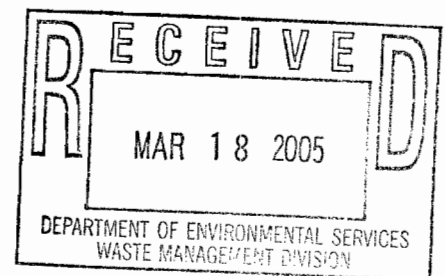


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L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
NHDES Site No. 200009045

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Soil Sampling and Analysis Report

L. W. Packard and Company, Inc.

Mill Street

Ashland, New Hampshire

ARC Project No. LW-04742

NHDES Site No. 200009045

1.0 INTRODUCTION

1.1 Introduction

On March 4, 2004, ARC Environmental Consultants, Inc., (ARC) completed a Phase I Environmental Site Assessment of the L. W. Packard and Company, Inc., property for L. W. Packard and Company, Inc., 6 Mill Street, Ashland, New Hampshire. One of the purposes of the Phase I Environmental Site Assessment was to detect the presence or potential presence of petroleum products at the Packard property. Included in this Phase I Environmental Site Assessment were the results of soil sampling and analysis performed by ARC in April, May and June 2004.

The results of soil analyses for samples taken from throughout the property by ARC in April, May and June 2004 show some impacts to soils at levels above applicable New Hampshire Department of Environmental Services (NHDES) soil standards, primarily to those soils around the former fuel oil underground storage tanks.

The purpose of this Soil Sampling and Analysis Report is to provide the NHDES with documentation on the results of the work performed at the Packard property by ARC in 2004. This report is subject to the limitations set forth in Appendix A.

The Packard property consists of a complex of contemporary and nineteenth century mill buildings built along the relatively narrow valley of the Squam River just beyond the town center of Ashland, Grafton County, New Hampshire. The Packard property has a total footprint of 15.72 acres. Textiles were first manufactured here in 1840. The L. W. Packard Company, Inc., is a well known manufacturer of fine woolen textiles and operated continuously in this complex of buildings between 1916 and 2002. Packard's manufacturing operations are now performed elsewhere. Administrative and sales offices remain at the Ashland location. Much of the infrastructure

associated with textile manufacturing and most of the textile machinery are being removed or have been removed from the building complex.

1.2 Scope of Work

The work tasks described in this report include the collection of soil samples from soil borings advanced at locations throughout the Packard property; field screening of samples collected from the soil borings; laboratory analyses of selected soil samples; and collection of soil samples from within the former papermill building.

1.3 Site Location

The Packard property consists of a complex of mill buildings located in a mixed residential and commercial area of Ashland, New Hampshire that formerly housed the textile manufacturing operations of the L. W. Packard and Company, Inc. The property location is depicted on Figure 1, Site Location Map.

1.4 Presence of Underground and Aboveground Storage Tanks

A. Underground Storage Tanks

The NHDES list of UST sites does include the Packard property and there were formerly four USTs present. The NHDES UST facility registration number is 0112818.

Two twenty thousand gallon no. 6 fuel oil tanks were closed in 1988 by Jet Lines Services, Inc. A copy of the UST closure letter is included in Appendix B of this report. This Jet Line letter also indicated that there was one concrete 40,000 gallon no. 6 fuel oil UST. The 20,000 gallon USTs were removed from the property but the 40,000 gallon concrete UST was apparently filled in place. Before the 40,000 gallon tank was filled in place, it was cleaned. Soil samples taken from beneath this tank indicated that there were no releases from this tank. These three USTs were located adjacent to the boiler room, as shown on Figure 2. Additional information about these USTs is included in Appendix B of this report.

One 6,000 gallon mineral oil UST was closed on June 22, 1992. This UST was located in front of the Scribner Building, as shown on Figure 2. On June 24, 1992, the NHDES received notification from Packard that this UST had been closed. In response to this closure notification, the NHDES wrote to Packard on August 5, 1992 requesting information on soil quality conditions around this UST at the time of closure. Additional information about the former contents of this UST is included in Appendix B of this report.

B. Aboveground Storage Tanks

Two ASTs subject to regulation by the NHDES exist at the Packard property and the NHDES list of AST sites does include the Packard property. There is one 20,000 gallon no. 2 fuel oil AST that was installed in 1988 and is currently in use. There is a second 20,000 gallon fuel oil AST that was temporarily taken out of use in 2002. The NHDES AST facility registration number is 200009045.

2.0 SOIL SAMPLING

2.1 Introduction

Because of the long history of use as a manufacturing plant, ongoing concerns with releases of fuel oil to soils, and potential releases of other chemicals to the ground, ARC collected soil samples at the Packard property in April, May and June 2004.

The site-specific chemicals of concern include volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), poly aromatic hydrocarbons (PAHs), acid and base neutral extractable compounds (ABNs), polychlorinated biphenyls (PCBs), and metals, expressed as the eight Resource Conservation and Recovery Act (RCRA) metals.

VOCs are associated with petroleum products, certain textile dyes, tar removers used in wool fleece cleaning, and industrial solvents. PAHs are associated with the heavier petroleum constituents found in fuel oil. ABNs are associated with products derived from coal. Metals have been associated with coal ash and many types of industrial processes including leather tanning. PCBs are associated with electric power transformers. Additional analyses that were performed include reactive sulfide, reactive cyanide, and flashpoint. Flashpoint analyses are performed in order to help determine how contaminated soils can be transported off-site for treatment and disposal, if required.

2.2 Soil Sample Collection

On April 6, 2004, ARC Environmental Consultants, Inc., in conjunction with New Hampshire Boring, Inc., of Londonderry, New Hampshire, advanced 12 soil borings at the Packard property to determine on-site soil quality conditions. The soil borings were advanced using a Geoprobe® Model 6610 DT soil probing machine. During advancement of these soil borings, continuous soil samples were collected with Geoprobe tools at five foot intervals. The samples were collected in five foot long transparent plastic sleeves. These sample locations are shown on Figure 2. Table 4

provides a summary of the observations made by ARC personnel as the soil borings were performed.

On May 5, 2004, ARC collected samples from the drums that were filled with impacted soil that was removed from the interior of the papermill building. The samples were composited and submitted for analysis with the sample designation *Papermill-2*. In order to confirm that all impacted soils had been removed from inside the papermill building, a confirmation soil sample was collected with the sample designation *Conf*.

On June 21, 2004, ARC and New Hampshire Boring again mobilized at the Packard property with the same Geoprobe® Model 6610 DT soil probing machine to collect soil samples from an additional eight Geoprobe® soil borings. These locations are also shown on Figure 2.

Also on this day, additional soil samples were collected from the interior of the papermill building to better characterize soil quality characteristics. Composite samples were collected from the area where impacted soils had previously been removed and placed in drums. This sample was designated as *PM Conf. 2*. A second composite sample was taken from an area within the papermill building where no soils had previously been removed. This sample was given the designation *PM Base*.

2.3 Soil Field Screening

The samples from soil borings B1 through B12 were analyzed on-site, using headspace vapor methodology, with a Thermo Environmental Model 580B photoionization type organic vapor analyzer (OVA). The 580B OVA has a sensitivity of 0.1 parts per million (ppm), and was calibrated to a benzene standard using a reference gas of isobutylene. Ambient background levels and instrument drift displayed by the OVA were in the range of ± 0.1 ppm.

Each sample was placed in a new one gallon zipper lock plastic storage bag, which was then sealed. After the sample was gently agitated, the OVA probe was inserted through the seal into the headspace above the soil and the maximum vapor concentration, if any, was recorded.

The results of the OVA screening, presented in Table 3, indicate that low levels of VOCs were detected in some of the soil samples. Soil samples were not screened with the OVA during the June 2004 sampling round because samples were not submitted for VOC analyses. VOCs are typically the only suite of analytes that have a response with the OVA meter.

2.4 Soil Sample Preparation and Delivery

For those soil samples where analyses were performed for VOCs, five grams of soil were placed in clean 20 milliliter glass vials with teflon septum caps. Each sample was preserved with about 5 milliliters of methanol.

For those soil samples where analyses were performed for TPH, PAHs, ABNs, the eight RCRA metals, PCBs, reactive sulfide, reactive cyanide, and flashpoint, representative samples were transferred to clean four ounce glass jars with teflon lined screw down lids. The jars were packed as full as possible to minimize headspace.

All samples were placed in insulated coolers with ice packs immediately after collection for storage and transport. The soil samples were delivered to Aquarian Analytical, Inc., in Canterbury, New Hampshire. Sample collection, transport, and delivery were performed following standard chain of custody protocol.

All soil laboratory analytical data and chain of custody documents are included in Appendix C.

2.5 Soil Analytical Methods and Results

A. Introduction

The analytical methods employed are those recommended in the NHDES sampling guidance document *Recommended Analytical Methods for Petroleum Contaminated Sites* and the NHDES *Risk Characterization and Management Policy* (RCMP).

The soil laboratory analyses are summarized on Tables 1 and 2. Concentrations of all analytes are expressed in milligrams per kilogram (mg/kg). The applicable NHDES soil standards are also listed for each compound where appropriate. For petroleum constituents (including lead), the applicable standards are from Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004. For all other chemicals, the standards are from the NHDES Risk Characterization and Management Policy (RCMP), revised May 2004. Concentrations in excess of the applicable standards are shown in bold type.

B. April 6, 2004 Sampling

For total petroleum hydrocarbons, levels were detected above applicable standards at the papermill sample, and from soil borings B5, B8, and B12. For these three soil borings, B5, B8, and B12, these impacts are attributable to releases from the former no. 6

fuel oil USTs.

For soil boring B2, at the location of the former 6,000 gallon UST, the soil samples collected by ARC did not appear to have been impacted by past releases from this UST and no samples were submitted for laboratory analysis.

For VOCs, levels were detected above the applicable standards from soil boring B5 only. For PAHs, levels were detected above standards from soil boring B12 only. Again, soil quality conditions at locations B5 and B12 have been impacted by the former fuel oil USTs.

For metals, levels were detected above applicable standards from soil boring B1 and the papermill no. 2 sample. The metals that were detected at elevated levels were limited to lead and arsenic, which are typical for sites impacted by past industrial uses. For PCBs, levels were detected above the RCMP S-1 Soil Standards from the papermill no. 2 sample only.

C. May 5, 2004 Sampling

For the impacted soils placed in drums, represented as sample Papermill 2, the analytical results indicate levels of lead and PCBs above applicable standards. For the confirmation sample, represented as sample Conf., the levels of TPH were below applicable standards. No other analyses were performed for this confirmation sample.

D. June 21, 2004 Sampling

Although the number of soil borings advanced on this date was greater than the number in April 2004, the suite of analytes was not as extensive as in April 2004.

For PAHs, levels were detected above the NHDES standards from soil boring B20 only. For metals, levels were detected above standards from soil boring B16 only. The metal that was detected at an elevated level was arsenic, which is typical for sites impacted by past industrial uses. No other analytes were detected at levels above their respective soil standards for the samples taken from the soil borings.

For the two composite samples taken from the inside of the papermill building, total petroleum hydrocarbons were detected above standards from the sample designated as PM-CONF.2. This sample was taken within the former papermill building in order to provide additional information on whether or not past soil remedial activities were effective in meeting NHDES standards. For the sample taken from an area within the papermill building where no

soils had been removed, all analytical parameters were below applicable standards.

D. Significance of Data

For the elevated levels of TPH, VOCs and PAHs detected in samples from soil borings B5, B8 and B12, these samples were obtained from at or near the former fuel oil USTs.

For the soil sample obtained from soil boring B2 at the location of the former 6,000 gallon UST, there were apparently no impacts to soil quality conditions from this UST.

For the sample designated as PM-CONF. 2, because the levels of TPH were above applicable standards, additional impacted soils in this area will need to be removed for off-site treatment and disposal.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

ARC Environmental Consultants, Inc., in its professional opinion, concludes the following:

- The results of soil analyses for samples taken from throughout the property by ARC in April, May and June 2004 show some impacts to soils at levels above applicable NHDES soil standards, primarily in those soils around the former fuel oil underground storage tanks.

3.2 Recommendations

Based on the findings of this Soil Sampling and Analysis Report, ARC Environmental Consultants, Inc., makes the following recommendations:

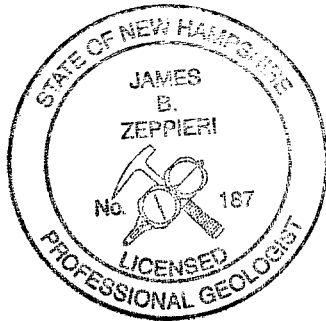
- Active measures are needed to address impacts to soils from the former presence of no. 6 fuel oil underground storage tanks where these impacts are above applicable NHDES soil standards;
- Contaminated soil that was removed from the interior of the papermill building and stored on-site in drums needs to be disposed of according to its waste characteristics;
- Additional soil removal needs to be conducted inside the papermill building to remove those remaining soils that have levels of contaminants above applicable NHDES standards; and

Ashland - L. W. Packard and Company, Inc.

NHDES Site No. 200009045

March 15, 2005, Page 8

- Activity and Use Restrictions will need to be adopted to address impacts to soil quality conditions in those areas where soil impacts are not attributable either to past uses of the papermill building or the former USTs.



ARC ENVIRONMENTAL CONSULTANTS, INC.

A handwritten signature in cursive script that reads "James B. Zeppieri".

James B. Zeppieri, P.G.
Project Manager

Table 1
Sampling Analytical Results
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
NHDES Site No. 200009045
Samples Collected on April 6, 2004 and May 5, 2004
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION ¹	PAPERMILL	PAPERMILL-2	CONF.	B-1/S-4	B-5/S-4	B-8/S-4	B-12/S-1	NHDES Standard ²
CHEMICAL								
Total Petroleum Hydrocarbons (motor oil standard)	22,000	NS	6,300	ND	31,000	56,000	16,000	10,000
Volatile Organic Compounds								
sec-Butylbenzene	ND	NS	NS	ND	0.990	0.667	ND	130
Ethylbenzene	ND	NS	NS	ND	0.640	0.385	ND	140
Isopropylbenzene	ND	NS	NS	ND	0.464	0.280	ND	330
p-Isopropyltoluene	ND	NS	NS	0.741	0.338	ND	ND	390
Naphthalene	ND	NS	NS	ND	6.730	3.570	ND	5
n-Propylbenzene	ND	NS	NS	ND	1.020	0.589	ND	85
Poly Aromatic Hydrocarbons								
Benzo (ghi) perylene	ND	NS	NS	NS	ND	ND	1.40	870
Fluoranthene	ND	NS	NS	NS	ND	ND	1.70	1200
Indeno (1,2,3-cd) pyrene	ND	NS	NS	NS	ND	ND	1.20	1.2

Ashland, L. W. Packard and Company, NHDES Site No. 200009045

Table 1, Page 2

SAMPLING LOCATION CHEMICAL	PAPERMILL	PAPERMILL-2	CONF.	B-1/S-4	B-5/S-4	B-8/S-4	B-12/S-1	NHDES Standard
Phenanthrene	ND	NS	NS	NS	ND	ND	1.70	870
Pyrene	ND	NS	NS	NS	ND	ND	1.40	870
2-Methylnaphthalene	ND	NS	NS	NS	4.60	ND	ND	100
1-Methylnaphthalene	ND	NS	NS	NS	3.20	ND	ND	none
<i>Acid Base Neutral Extractable Compounds</i>								
Chrysene	NS	2.400	NS	ND	NS	NS	NS	120
<i>Metals</i>								
Arsenic	NS	4.000	NS	120.000	NS	NS	2.600	12
Barium	NS	110.000	NS	33.000	NS	NS	25.000	750
Chromium	NS	13.000	NS	7.000	NS	NS	11.000	1,000
Lead	NS	430.000	NS	43.000	NS	NS	73.000	400
Mercury	NS	3.300	NS	0.200	NS	NS	0.400	13
Selenium	NS	ND	NS	3.000	NS	NS	ND	260
<i>Polychlorinated Biphenyls</i>								
PCB 1248	NS	1.70	NS	NS	NS	NS	NS	1
<i>Other Parameters</i>								
Reactive Sulfide	NS	ND	NS	NS	NS	NS	NS	none
Reactive Cyanide	NS	ND	NS	NS	NS	NS	NS	100
Flash Point	NS	>165°F	NS	NS	NS	NS	NS	none

Notes for Table 1:

1. See Figure 2 for sample locations.
2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2004. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.
3. The soil standard for the total concentration of benzo (ghi) perylene; phenanthrene; and pyrene is 870 milligrams per kilogram.

Table 2
Sampling Analytical Results
L. W. Packard and Company, Inc.
Mill Street, Ashland, New Hampshire
NHDES Site No. 200009045
Samples Collected on June 21, 2004
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION CHEMICAL	B-13 S-4	B-14 S-3	B-15 S-4	B-16 S-4	PSL B-1	PSL B-2	PM B-1	PM B-2	B-17 S-4	B-18 S-1	B-19 S-3	B-20 S-2	PM CONF. 2	PM BASE	NHDES Standard ²
Total Petroleum Hydrocarbons (motor oil standard)	NS	NS	NS	NS	NS	NS	360	260	ND	ND	190	190	14,000	1,000	10,000
Polyaromatic Hydrocarbons															
Acenaphthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	0.58	ND	ND	340
Anthracene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.58	ND	1.90	ND	ND	8700
Benzo (a) anthracene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.61	ND	3.00	ND	ND	1.2
Benzo (b) fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	4.10	ND	ND	1.2
Benzo (k) fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.48	ND	ND	ND	ND	12
Benzo (a) pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.63	ND	4.10	ND	ND	0.7
Chrysene	NS	NS	NS	NS	NS	NS	0.40	ND	ND	0.67	ND	2.60	ND	ND	120
Benzo (ghi) perylene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	3.10	ND	ND	870 ³
Fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	1.20	ND	ND	1200
Fluorene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	77
Indeno (1,2,3-cd) pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	1.2
Naphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	5
Phenanthrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	870 ³
Pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	870 ³
2-Methylnaphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	100
1-Methylnaphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	none
Metals															
Arsenic	1.40	1.500	3.800	87.00	3.900	2.900	2.500	3.000	NS	NS	4.000	6.0	3.0	4.000	12
Barium	NS	NS	NS	NS	NS	NS	82.00	30.00	NS	NS	28.00	43.0	34.0	41.00	750
Chromium	NS	NS	NS	NS	NS	NS	7.400	9.00	NS	NS	11.00	9.0	11.0	12.00	1,000

Table 2, Page 2
Ashland, L. W. Packard and Company, NHDES Site No. 200009045

SAMPLING LOCATION CHEMICAL	B-13 S-4	B-14 S-3	B-15 S-4	B-16 S-4	PSL B-1	PSL B-2	PM B-1	PM B-2	B-17 S-4	B-18 S-1	B-19 S-3	B-20 S-2	PM CONF. 2	PM BASE	NHDES Standard
Lead	NS	NS	NS	NS	NS	NS	35.00	110.0	NS	NS	9.000	120.0	77.0	49.00	400
Mercury	NS	NS	NS	NS	NS	NS	0.200	0.200	NS	NS	ND	0.10	0.70	0.700	13
Selenium	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	ND	ND	ND	ND	260
Polychlorinated Biphenyls															
PCB 1248	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	ND	0.66	ND	ND	1

Notes for Table 2:

1. See Figure 2 for sample locations.

2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2004. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.

3. The soil standard for the total concentration of benzo (ghi) perylene; phenanthrene; and pyrene is 870 milligrams per kilogram.

Table 3
OVA Headspace Screening of Soils for Volatile Organic Compounds
Samples Obtained on April 6, 2004
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
NHDES Site No. 200009045

Soil Boring	Sample	Sample Interval in Feet	OVA Reading in Parts per Million
1	S-1	0-5	0.5
	S-2	5-10	0.0
	S-3	10-15	0.5
	S-4*	15-20	9.4
	S-5	20-25	4.5
2	S-1	0-5	0.0
	S-2	5-10	0.2
3	S-1	0-5	0.5
	S-2	5-10	0.7
4	S-1	0-5	0.5
	S-2	5-10	0.6
5	S-1	0-5	0.0
	S-2	5-10	0.1
	S-3	10-15	0.1
	S-4*	15-19.5	13.9
6	S-1	0-5	0.0
	S-2	5-10	2.3
	S-3	10-15	5.7
	S-4	15-20	6.1
7	S-1	0-5	0.2
	S-2	5-10	0.1
8	S-1	0-5	0.0
	S-2	5-10	0.2
	S-3	10-15	0.0
	S-4*	15-17	18.2

Table 3, Page 2

Ashland, L. W. Packard and Company, NHDES Site No. 200009045

Soil Boring	Sample	Sample Interval in Feet	OVA Reading in Parts per Million
9	S-1	0-5	0.0
	S-2	5-10	0.5
	S-3	10-14	0.0
10	S-1	0-5	0.9
	S-2	5-10	0.0
	S-3	10-15	0.0
11	S-1	0-5	0.0
	S-2	5-10	0.0
	S-3	10-15	0.0
12	S-1*	0-5	0.2
	S-2	5-6.5	0.0

Note for Table 3:

* - Sample submitted for laboratory analysis.

Table 4
Summary of Field Observations for Soil Borings
L. W. Packard and Company
Mill Street, Ashland, New Hampshire
NHDES Site No. 200009045
Soil Borings Performed in April and June 2004

Boring Number	Observations
B1	Brown sand and gravel fill to about 15 feet with occasional occurrences of asphalt pavement and ash. From 15 to 20 feet, sand and gravel fill with a six inch layer of a black organic material and a malodorous light gray resinous substance. Dry to 20 feet. From 20 to 25 feet, wet native sand and gravel grading to silty fine sand at bottom of boring.
B2	Dark brown sand and gravel fill to 6 feet, wet only at bottom.
B3	Two inches of asphalt pavement at ground surface. Brown generally fine sand to 10 feet, dry to bottom.
B4	Two inches of asphalt pavement at ground surface. Black, dark brown, orange and tan fine sand to 10 feet. No sample recovered from 10 to 15 feet. Dry at bottom.
B5	Two inches of asphalt pavement at ground surface. Dark brown to black organic ash mixed with no. 6 fuel oil to 5 feet. From 5 to 15 feet, light brown fine to medium sand, dry to bottom. From 15 to 19.5 feet, tan fine sand underlain by 18 inches of black oily sand.
B6	Black and tan sand underlain by oily cinders to 5 feet. Dark brown and black fine sand mixed with oily cinders to 20 feet. Wet at 15 feet. Presence of no. 6 fuel oil from 15 to 20 feet.
B7	Two inches of asphalt pavement at ground surface. Black and dark brown brick fragments and coal to 5 feet. Dry tan fine sand to 10 feet, dry at bottom.
B8	Two inches of asphalt pavement at ground surface. Brown, tan and buff fine sand, dry to 15 feet. From 15 to 17 feet, red sand with no. 6 fuel oil from 16 to 17 feet.
B9	Medium to coarse brown sand and gravel to 10 feet, dry to five feet. From 10 to 14 feet, red brown fine to medium silty sand with organic layer near bottom.
B10	Brown and red sand and silt mixed with bricks and debris to about 12 feet. From 12 to 15 feet, gray silty fine sand, probably native.
B11	Dark brown and black sand and gravel with an ash layer at 5 feet. From 5 to 15 feet, orange and dark brown sand and gravel.
B12	Two inches of asphalt pavement at ground surface. Dry fine buff and brown sand with fuel oil odor.

Table 4, Page 2

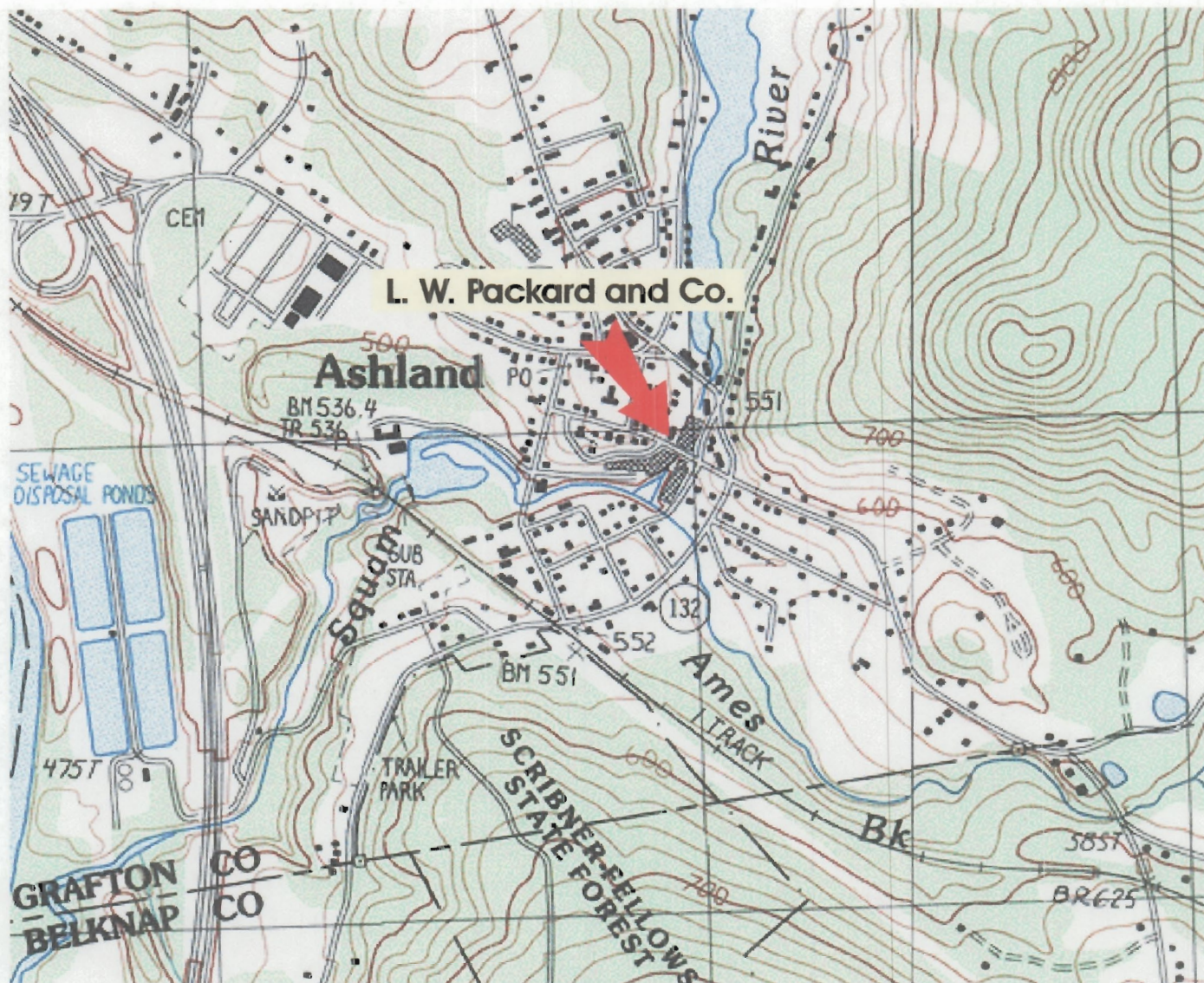
Ashland, L. W. Packard and Company, NHDES Site No. 200009045

Boring Number	Observations
B13	Fine to medium brown sand, fill. Tan, red, and dark brown fine sand with some sand and gravel layers to 20 feet. Coal layer at eight feet, dry to 17 feet.
B14	Brown, red, and tan fine to coarse sand and gravel, dry to 12.5 feet. From 12.5 to 15 feet, wet tan and red fine sand underlain by gray silty fine sand.
B15	Two inches of asphalt pavement at ground surface. To 18 feet, brown, reddish brown, and tan sand and gravel, moist at bottom.
B16	Brown fine to coarse sand and gravel, silty in places. Asphalt, coal, wood, organic and brick layers intermixed to 20 feet. Dry to bottom.
B17	Tan and orange fine sand to 10 feet. Medium to coarse sand and gravel from 10 to 20 feet.
B18	Coal debris to bottom, refusal at 4.2 feet.
B19	Two inches of asphalt pavement at ground surface. Coal, coal ash slag, sand and gravel to 10 feet, moist at bottom. Brown, tan and red sand and gravel from 10 to 15 feet.
B20	Silty brown fine to medium sand and gravel to about 8.5 feet. Peat and coal to 10 feet.

Note: All soil borings performed by New Hampshire Boring, Inc., with a Geoprobe 6610 DT soil probing machine. Samples were recovered in 5 foot long plastic sleeves.

Figures





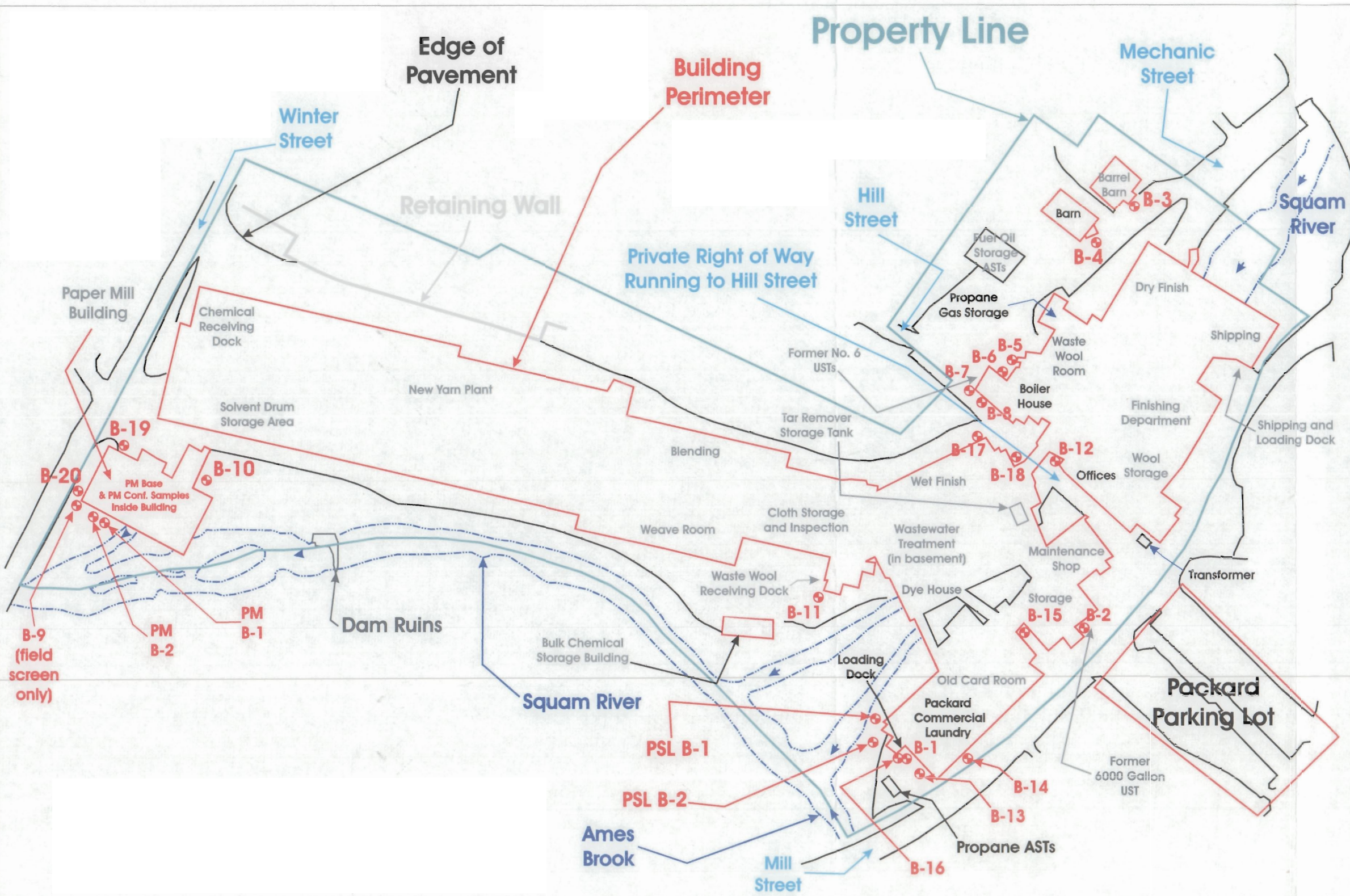
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Subject Property:
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
NHDES Site No. 200009046



Scale - 1:24,000

Figure 1
Site Location Map
Ashland, N. H.
USGS Topographic Map
7.5 Minute Series
February 2005



Appendices



Appendix A

Limitations

1. The conclusions and recommendations presented in this report are based solely upon the described Scope of Work, and not on scientific tasks or procedures beyond the described Scope of Work or the time and budgetary constraints imposed by the Client. The stated conclusions and recommendations represent ARC's best professional judgement, and should not be construed as statements of scientific fact or certainty.

2. In preparing this report, ARC may have relied on information provided by state and local officials, and other parties herein referenced, and on information on record with various state and local agencies made available to ARC at the stated time of inspection. ARC did not attempt to independently verify the accuracy or completeness of all information received or reviewed as part of this investigation.

3. This report may contain the results of quantitative analyses performed by an outside laboratory. In such cases, ARC has relied upon the data provided to formulate its stated conclusions and recommendations, and has not attempted to independently evaluate the reliability of these data.

4. In the event that the conclusions stated in this report express ARC's professional opinion that a release of hazardous substances or petroleum products to the environment has occurred at the subject site, ARC recommends that the Client consult with its legal counsel regarding the duty to report the discharge to the appropriate federal, state, or local authorities. If ARC is not notified in a timely manner that such duty to report has been discharged by another party, ARC may, under certain legal interpretations, be deemed to be a "knowledgeable party", and may consult with its legal counsel regarding its duty to report or confirm the discharge to the appropriate authorities. Otherwise, ARC agrees to maintain in strictest confidence the information contained in this report.

5. This report was prepared for the exclusive use of L. W. Packard and Company, Inc., Ashland, New Hampshire. Except as described below, no other party may rely on the information herein contained. ARC hereby grants L. W. Packard and Company, Inc., permission to distribute this report, or copies thereof in whole, to his affiliates, assigned agents, or, at the Client's discretion, to other parties having a direct financial interest in the subject property.

Appendix B

NHDES Correspondence and Documentation for Tank Closure

Notification for Underground Storage Tanks

FOR
TANKS
IN
NH

RETURN
COMPLETED
FORM
TO

UST Registration
Water Supply & Pollution Control Commission
Hazen Drive, P.O. Box 95
Concord, NH 03301
(603) 271-3503

I.D. Number

STATE USE ONLY

0112818

Date Received

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owners must:

(a) in the case of an underground storage tank in use on November 8, 1980, brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances; and

(u) in the case of any underground storage tank in use before November 8, 1980, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fungicides.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;

5. surface impoundments, pits, ponds, or lagoons;

6. storm water or waste water collection systems;

7. flow-through process tanks;

8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;

9. storage tanks situated in an underground area (such as a basement, cellar, mine, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

0

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

L.W. Packard & Co., Inc.

Street Address

6 Mill Street

County

Grafton

City

Ashland

State

NH

ZIP Code

03217

Area Code

603

Phone Number

968-3351

Type of Owner (Mark all that apply)

☒ Current

☐ State or Local Gov't

☒ Private/Not Corporate

☐ Former

☐ Federal Gov't (GSA facility I.D. no. _____)

☐ Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section I, mark box here ☒)

Facility Name or Company Site Identifier, as applicable

Street Address or State Road, as applicable

County

City (nearest)

State

ZIP Code

Indicate number of tanks at this location

3

INACTIVE

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands ☐

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ☐)

Ronald M. Abear

Job Title

Comptroller

Area Code

603-968-3351

Phone Number

IV. TYPE OF NOTIFICATION

☒ Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative

Ronald M. Abear, Comptroller

Signature

Ronald M. Abear

Date Signed

6-12-1986

CONTINUE ON REVERSE SIDE

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No. 2	Tank No. 3	Tank No.	Tank No.
1. Status of Tank (Mark all that apply ☐)					
Currently in Use	☒	☒	☒	☐	☐
Temporarily Out of Use	☐	☐	☐	☐	☐
Permanently Out of Use	☒	☒	☒	☐	☐
Brought into Use after 5/8/86	☐	☐	☐	☐	☐
2. Estimated Age (Years)	40	40	4		
3. Estimated Total Capacity (Gallons)	20,000	20,000	6,000		
4. Material of Construction (Mark one ☐)					
Steel	☒	☒	☒	☐	☐
Concrete	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify	12/21/90	6-22-92	REMOVED		
5. Internal Protection (Mark all that apply ☐)					
Cathodic Protection	☐	☐	☐	☐	☐
Interior Lining (e.g., epoxy resins)	☐	☐	☐	☐	☐
None	☒	☒	☒	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify			SA. 8-17-92		
6. External Protection (Mark all that apply ☐)					
Cathodic Protection	☐	☐	☐	☐	☐
Painted (e.g., asphaltic)	☒	☒	☒	☐	☐
Fiberglass Reinforced Plastic Coated	☐	☐	☐	☐	☐
None	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify					
7. Piping (Mark all that apply ☐)					
Bare Steel	☒	☒	☒	☐	☐
Galvanized Steel	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Cathodically Protected	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify					
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply ☐)					
a. Empty	☐	☐	☐	☐	☐
b. Petroleum					
Diesel	☐	☐	☐	☐	☐
Kerosene	☐	☐	☐	☐	☐
Gasoline (including alcohol blends)	☐	☐	☐	☐	☐
Used Oil	☒	☒	☐	☐	☐
Other, Please Specify	No. 6 oil	No. 6 oil	Mineral oil		
c. Hazardous Substance	☐	☐	☐	☐	☐
Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No.					
Mark box ☐ if tank stores a mixture of substances	☐	☐	☐	☐	☐
d. Unknown	☐	☐	☐	☐	☐
9. Additional Information (for tanks permanently taken out of service)					
a. Estimated date last used (mo/yr)	/	/	/	/	/
b. Estimated quantity of substance remaining (gal.)					
c. Mark box ☐ if tank was filled with inert material (e.g., sand, concrete)	☐	☐	☐	☐	☐

L.W. PACKARD & COMPANY, INC.

Woolen Manufacturers

6 Mill Street

Ashland, New Hampshire 03217

Telephone (603)968-3351

Telex # 754245

Sept. 22, 1988



Mr. Jack Chwasciak
State of New Hampshire
Dept. of Environmental Services
Water Supply & Pollution Control Div.
6 Hazen Drive
PO Box 95
Concord, NH 03301

Dear Jack:

Per our telephone conversation of Sept. 22, this is to notify your Department that L. W. Packard is in the process of installing a containment structure and two new 20,000 #6 fuel oil tanks. Estimated completion is October 30, 1988. At the same time the two in-ground tanks will be taken out of service. Removal or closure will be accomplished according to WS411.2 and/or WS410 at that time on these two in-ground tanks plus a concrete tank of approximately 30,000 gallon, which has been out of use for some time.

Please call me at 1-968-3351 if you have any questions.

Very truly yours,

L. W. PACKARD & CO., INC.

Calvin Brown

Calvin Brown, Plant Engineer

CB/mp

cc: J. Glidden

Town Ashland

PETROLEUM DISCHARGE INCIDENT REPORT
(Obtain as much information as possible)

1. Party Reporting Incident w/ phone No. Douglas Parsons (Jet-Line Service)
2. Location L.W. Packard Co. Mill St. Ashland, N.H.
3. Date and Time of Incident _____
4. Product and Amount No. 6 fuel oil
5. Responsible Party (name, company, address, phone) # 2
6. Cause of Incident L.U.S.T.
7. Land and/or Water Affected Land
8. Nearest Surface Water _____ Nearest Well _____
9. Others Notified _____
10. Cleanup Action Taken Jet-Line Services
11. Follow-up/Notes/Directions/etc.: Jet-Line removing UST's (21 20000 gal tanks)
one tank collapsed, some contamination encountered —
will remove tank and check soil.

Date 12/14/88 Time 1100 Message Taken by Phil Lavoie
Investigation by RPO

GROUNDWATER PROTECTION BUREAU

Record of Telephone Conversation

Date of Conversation: 12/16/88 Time: 1:55 a.m./p.m.
Bureau Staff: RFB Title: ETV
Other Party's Name: Doug Parsons Telephone #: _____
Affiliation/Company: Jet-Line
Site: L.W. Rockard Ashland, N.H.

SUMMARY OF CONVERSATION

(2) steel
20,000 gal No. 6 oil tanks cleaned 1 wk ago
1 40,000 concrete (jackhammered holes in bottom, no contamination from
15,000 gal water & 1 oil in tank (No. 6 oil) very old
tank cleaned inside of tank hard oil
cold cut, under tank took sample

Phil Lavoie said remove tanks

2 tanks removed

down 27'

(Started Tue excavating
Wed removed 1st tank
2nd tank removed today
still removing contaminated soil.)

will be at site again Mon.

W.T. prob. at 30'-40'

tanks had numerous holes in tops of tanks,

tanks heavily corroded

Parking lot gave way collapsed 2nd tank

Now have (2) 20,000 gal tanks above ground

in bldg.

RB met at L.W. Packard with Charlie (Jet-Line)
No groundwater encountered -
Heavily contaminated soil excavated and
stockpiled, Jet-Line will arrange for disposal -
UST's removed.

L.W. PACKARD & COMPANY, INC.

Woolen Manufacturers

6 Mill Street

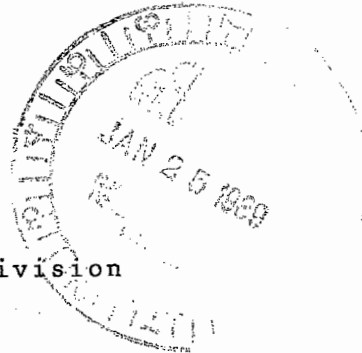
Ashland, New Hampshire 03217

Telephone (603)968-3351

Telex # 754245

January 17, 1989

Mr. Phil Lavoie
State of New Hampshire
Dept. of Environmental Services
Water Supply & Pollution Control Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03301



Dear Mr. Lavoie:

Please be advised that L.W. Packard & Co., Ashland, N.H. has removed the two 20,000 gallon metal underground #6 fuel tanks and cleaned the #6 fuel concrete bunker tank. Work was completed on Dec. 21, 1988. Verification herewith - *ALREADY ON FILE* attached.

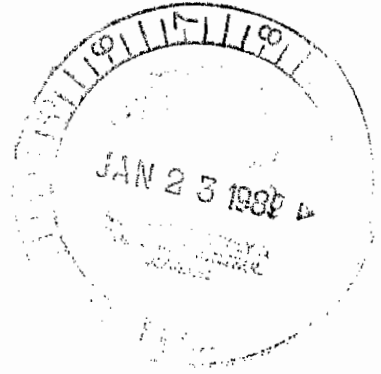
If you have any questions please call.

Sincerely,

A handwritten signature in cursive script that reads "Calvin Brown".

Calvin Brown
PLANT ENGINEER

CB/lp



January 18, 1989

Mr. Phil Lavoie
State of New Hampshire
Division of Water Supply and Pollution Control
Tank Management Dept.
25 Hazen Drive
Concord, New Hampshire 03301

Re: Underground #6 fuel oil tanks, L. W. Packard Facility, 6 Mill Street,
Ashland, New Hampshire

Dear Mr. Lavoie;

Jet-Line Services, Inc. would like to submit the following chain of events regarding the removal of tanks at the L. W. Packard Co. in Ashland, New Hampshire.

November 29, 1988: Jet-Line Services, Inc. commenced work at the L. W. Packard facility in Ashland, New Hampshire under the following scope of work:

- a) Clean (01) underground 40,000 gallon concrete storage tank containing approximately (01) foot of #6 fuel oil sludge, solidified, and approximately 17,000 gallons of water. The water is believed to have entered the concrete tank through the top, rather than leaking in through the sides or bottom. This is due to a loose manhead cap and the manhole being in a down grade position from the crest of a hill, allowing the tank to capture street drainage.
- b) Transfer remaining good product from (02) underground 20,000 gallon #6 fuel oil tanks into their new 20,000 gallon above ground #6 fuel oil tanks.
- c) Clean the (02) 20,000 gallon underground #6 fuel oil tanks, for removal or filling
- d) Cold cut several holes through the bottom of the three tanks and take composite samples from the ground below the tanks as documentation of existent soil conditions.

These services were completed December 02, 1988. Our findings were as follows:

- a) Samples obtained from under the 40,000 gallon concrete tank, visual inspection of the samples indicated no contamination. The sample, which was composited from numerous locations under the tank is now undergoing the normal analytical procedures to document the soil conditions.
- b) The composite samples obtained from under the (02) 20,000 gallon underground #6 fuel oil tanks revealed heavy visual contamination.

Our recommendations to L. W. Packard, based on this information, was as follows:

- a) Call your office with the State of New Hampshire informing you of the contamination, informing you of the tanks being out of service, and suggesting tank removal in the Spring.
- b) Mr. Calvin Brown received notification, verbally, from the State of New Hampshire that the tanks should be removed prior to the spring.



Page 02

- c) Jet-Line Services, Inc. responded to L. W. Packard Co. with a proposal for the removal of the tanks
- d) L. W. Packard Co. responded to the proposal with an immediate acceptance of the proposal
- e) Jet-Line Services, Inc. contacted Dig-Safe to obtain authorization to excavate, the normal 72 hour waiting period was observed, tank removal procedures were executed commencing December 13, 1988. The scope of services to include the removal of the (02) 20,000 gallon underground storage tanks and the contaminated soil. The excavation and removal phase of the project was completed December 21, 1988
- f) All contaminated soil was removed, with the excavation exceeding a depth of 30 feet. The depth of the bottom of the tanks was estimated at 15 feet below surface level. An estimated 250 cubic yards of contaminated soil was excavated.
- g) No free-flowing product was observed throughout the excavation
- h) Ground water was not encountered throughout the excavation
- g) Composite samples from the soil from the bottom of the excavation as documentation, and are now in the analytical process.
- h) We, Jet-Line feel that all contamination was removed from under the 20,000 gallon tanks.
- j) The site was inspected by Mr. Rick Berry with the State of New Hampshire Water Supply and Pollution Control Division, prior to the majority of the backfilling commencing.
- k) The stockpile of contaminated soil is stockpiled on 6 mil polyethylene and covered with the same.
- l) Samples of the contaminated soil are currently undergoing analytical procedures, once completed, we will approach the disposal of the contaminated material.
- M) The (02) 20,000 gallon tanks, having been properly cleaned, were transported to Bob's Heavy Equipment, Brentwood, New Hampshire, for final scrapping.

Should you have further inquiries regarding this situation, please contact Douglas Parsons at (603) 749-5735. Thank You.

Sincerely,
Jet-Line Services, Inc.

Douglas Parsons
Douglas Parsons

2818



George A. Goulston Co., Inc.

Specialists in Fibre Lubricants



700 N. JOHNSON STREET, P.O. BOX 5025 MONROE, NC 28110-0525 TELEPHONE: 704-289-6464 TWX: 810-649-1355 FAX: 704-283-9110

August 17, 1989

Mr. Tim Deneyson
State of New Hampshire
Water Supply and Pollution Control Division
6 Hazen Drive
Post Office Box 95
Concord, NH 03301

Dear Mr. Deneyson:

Pursuant to our phone conversation last week, I am enclosing the composition of Heatherlube B-7. As you will recall, this is the product which Packard Mills is proposing to store in their underground storage tank. As you will note when you review the formulation, the components which comprise Heatherlube B-7 are not considered hazardous under RCRA, CERCLA, or EPCRA.

I trust that this information will be adequate for your review. Please contact me if I can be of further assistance.

Cordially,

GEORGE A. GOULSTON CO., INC.

Thirby G. Harrill
Manager - Toxicology &
Environmental Affairs

TGH:jsh

Enclosures

cc: Mr. Calvin Brown
Packard Mills
Ms. Dyanne Moeller
Goulston, Scituate

Spoke E Calvin Brown
9/6/89. TR. 3
contains REGULATED "OIL"
must TEST, ETC.
TRD

technical data report

G GEORGE A. GOULSTON COMPANY

GEORGE A. GOULSTON CO., INC.

CONFIDENTIAL FORMULATION

HEATHERLUBE B-7

<u>CAS NUMBER</u>	<u>% by Weight</u>
64742-53-6	26.860
64742-52-5	11.512
64741-96-4	38.372
78330-12-8	9.609
111-46-6	2.737
1310-58-3	1.299
61790-12-3	5.695
66455-14-9	1.051
9016-45-9	1.841
68987-86-0	0.100
7732-18-5	0.828
828-00-2	0.096
	100.000

3 - PETROLEUM DISTILLATES

1067

GEORGE A. GOULSTON CO., INC.

704 N. JOHNSON ST., P.O. BOX 5025, MONROE, NORTH CAROLINA 28110

MATERIAL SAFETY DATA SHEET

Emergency telephone numbers, Mon-Fri, 8 AM-5 PM, Office - 704/289-6464
Nights and weekends, Thirby G. Harrill, 704-289-1775

Section I - Identification

Product name: Heatherlube B-7
Chemical Family: Mixture
Synonyms:

Section II - Physical and Chemical Data

Boiling point, 760 mm Hg, 101.325 kPa - More than 250 deg C
Pour point - Less than 0 deg C
Specific gravity, H₂O = 1 - Approximately 0.85
Vapor pressure @ 20 deg C - Less than 0.01 mm/Hg
Vapor density, air = 1 - More than 1
Solubility in water, % by wt. @ 20 deg C - Emulsifiable
Percent volatiles by volume - Nil
Evaporation rate, butyl acetate = 1 - Less than 1
Appearance - Clear amber liquid
Odor - Mild characteristic

Section III - Ingredients

Chemical Name	%	TLV / PEL	Hazard Reference
Mineral oil	>1%	5 mg/m3 (oil mists)	See Section V
Ethoxylated components	>1%	Not established	See Section V
Diethylene glycol	1-5%	Not established	See Section V

The specific chemical identity of the components is withheld as a trade secret.

Section IV - Fire and Explosion Hazard Data

Flash point (test method(s)) - More than 150°C, Penske Martin Closed Cup, ASTM D93
Flammable limits in air (% by volume) - Lower - n/a; Upper - n/a
Extinguishing media - Use water-spray, carbon dioxide, dry chemical, alcohol-type or universal-type foam applied by manufacturer's recommended technique.
Special fire fighting procedures - Use supplied breathing air and protective clothing. A solid stream of water directed into burning liquid can cause frothing.
Unusual fire and explosion hazards - None

Section V - Health Hazard Data

TLV/PEL and source - For oil mists, 5 mg/m3, ACGIH, OSHA. This product contains mineral oil. If the potential exists for this product to become a mist, precautions should be taken to assure that the TLV/PEL is not exceeded, and if so, personal protective equipment should be utilized.

Acute effects of overexposure:

Swallowing - May cause some nausea, abdominal pain, vomiting, and diarrhea. Ingestion of diethylene glycol can cause severe kidney damage, liver damage, and central nervous system depression.

Skin absorption - None currently known.

Inhalation - Inhalation of mist may cause headache, dizziness, or nausea.

Skin contact - May cause slight irritation.

Eye contact - Causes irritation.

Chronic effects of overexposure - None currently known.

Other health hazards - None currently known.

Emergency and first aid procedures:

Swallowing - If a substantial quantity has been swallowed, give 15 ml (2 tbs) Ipecac syrup with 1-2 glasses water. Get medical attention.

Skin - Remove clothing and wash affected area with soap and water.

Inhalation - Remove to fresh air.

Eyes - Rinse eyes with copious amounts of water. Call a physician.

Notes to physician:

This product contains diethylene glycol. If a significant quantity has been swallowed, the individual should be observed for signs of renal tubular dysfunction.

No acceptable information is available to confidently predict the effects of excessive human exposure to this mixture. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and clinical condition.

Section VI - Reactivity Data

Stability - Stable

Conditions to avoid - None

Incompatibility (materials to avoid) - None

Hazardous combustion or decomposition products - Burning can produce carbon monoxide and/or carbon dioxide.

Hazardous polymerization will not occur.

Conditions to avoid - None

Section VII - Spills or Disposal Procedures

Steps to be taken if material is released or spilled - Wear suitable protective equipment, especially eye protection. Flush small spills

experts regarding the results of the test conducted, the information is not to be taken as a warranty or representation for which the George A. Goulston Company assumes legal responsibility. It is offered solely for your consideration, investigation and verification. Any use of this information must be determined by the user to be in accordance with federal, state and local laws and regulations.

Date of preparation: 01/15/90

2818

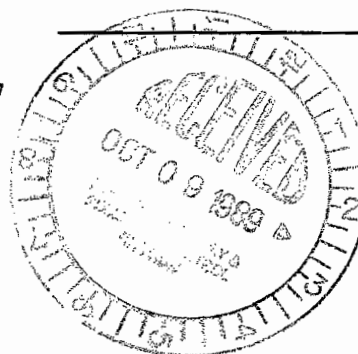
L.W. PACKARD & COMPANY, INC.

FAX # (603)968-7649

Woolen Manufacturers
6 Mill Street
Ashland, New Hampshire 03217
Telephone (603)968-3351

Telex # 754245

October 5, 1989



Mr. Tim Denison
State of New Hampshire
Dept. of Environmental Services
Water Supply and Pollution Control Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03301

Dear Tim:

012818

Please be advised that the L.W. Packard & Company, Inc. underground mineral oil tank has passed the tightness test on October 4, 1989. Testing was performed by Jet-Line Services of Dover, NH.

Jet-Line will confirm to your Department by letter.

Please call me at 1-968-3351, if you have any questions.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Calvin Brown'.

Calvin Brown
Plant Engineer

[illegible]Date 10/4/89

Data Chart for Tank System Tightness Test

2876
#3

PLEASE PRINT

1. OWNER: Property ☒ Tank (s) ☒	Name: L.W. Packard	Address: 11151 ASHLAND N.H.	Representative: Kevin Brown	Telephone: 603-713-1899
2. OPERATOR	Name: L.W. Packard	Address: 11151 ASHLAND N.H.	Representative: Kevin Brown	Telephone: 603-713-1899
3. REASON FOR TEST (Explain Fully)	RE-TEST			
4. WHO REQUESTED TEST AND WHEN	Name: Kevin Brown	Address: 11151 ASHLAND N.H.	Representative: Kevin Brown	Telephone: 603-713-1899
5. TANK INVOLVED	Capacity: 6000	Grade: MINERAL OIL	Approx. Age: 6 year	Serial/Flag: STEEL
6. INSTALLATION DATA	Location: East of building	Depth: 2"	Size: 2"	Pressure: N/A
7. UNDERGROUND WATER	Depth to water table: below tank	Is the water over the tank? ☐ Yes ☐ No		
8. FILL-UP ARRANGEMENTS	Tanks to be filled: 1	Date: 10-4-89	Name: Kevin Brown	Telephone: 603-713-1899
9. CONTRACTOR, MECHANICS, or other contractor involved	Donat Scauler			
10. OTHER INFORMATION OR REMARKS				
11. TEST RESULTS	Tank Identification: 6000 Gallon Mineral Oil	Tight: YES	Leakage Indicated: 10-4-89	Date Tested: 10-4-89
12. SENSOR CERTIFICATION	10-4-89			

14. L.W. Packard, 11151 ASHLAND N.H. 10-4-89

15. TANK TO TEST: East side of Building, MINERAL OIL

15a. BRIEF DIAGRAM OF TANK FIELD: [Diagram showing tank layout]

16. CAPACITY: Nominal Capacity 6000 Gallons

17. FILL-UP FOR TEST: Slick Water Bottom before Fill-up 0 to 1/4", Tank Diameter 96 in, Inventory 96 in, Total Gallons as Reading 6016, 6026

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK: [Checkboxes for water in tank, lines being tested, etc.]

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY: Bottom of tank to grade 30 in, Add 30" for "T" probe assembly, Total tubing to assembly - approximate 30 in.

20. EXTENSION HOSE SETTING: Tank top to grade 30 in, Extend hose on suction tube 8" or more below tank top, "H" Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation: 125.92, 60.61, 3.21

23. Digits per "F" in range of expected change: 3.21

COEFFICIENT OF EXPANSION (Complete after circulation)

24a. Corrected A.P.I. Gravity: 26.12, 26.12, 2.307044

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD: Type of Product MINERAL OIL, Hydrometer Employed 3, Temperature in Tank 60.4, After Circulation 56, Difference (°F) -4, Observed A.P.I. Gravity 23.9, Reciprocal 26.12, Page 100, 6026, 26.12, 2.307044

24c. FOR TESTING WITH WATER: see Table C & D, Water Temperature after Circulation Table D, Coefficient of Water Table D, Added Surfactant? ☐ Yes ☐ No, Transfer COE to Line 25b.

25. (a) Total quantity in full tank (16 or 17) x (b) Coefficient of expansion for involved product = (c) Volume change in this tank per "F" gallons

26. (a) 2.307044 x (b) 3.21 = (c) 007187054 This is test factor (d) 0072

PH1827

GROUNDWATER PROTECTION BUREAU

ASHLAND
ComplaintRecord of Telephone Conversation

Date of Conversation: 1/31/90 Time: 1002 (a.m.) / p.m.
Bureau Staff: RPB Title: E-IV
Other Party's Name: Duncan McGinnis Telephone #: X-2501
Affiliation/Company: NH. Fish & Game
Site: L.W. Packard - Ashland, N.H. (Contact Calvin Brown 968-335)

SUMMARY OF CONVERSATION

Duncan stated that F&G was notified at approx 0845 hrs today of a sulfuric acid spill to the Squam River in Ashland, NH. — 3600 gal of sulfuric acid missing, loss occurred sometime between Fri night 1/26/90 and Tues night 1/30/90; acid shortage was discovered Tues. night — Duncan stated that a biologist from Fish & Game would respond to site —

RB relayed info to Mike Galuszka (SWM) Mike stated that they had been notified and that Bob Carlson would be responding to site —

RB discussed situation with George Berlandi and Paul Currier; someone from Water Quality Section will respond to site —

≈ 1025 RB informed Duncan of personnel responding

* RB contacted approx 0950 hrs by Randy Rice - USEPA, RB referred Randy Rice to Mike Galuszka Re: "reporting an acid spill."

TOWN: Ashland SITE # 100019 PROJECT TYPE: SPILL/RLS page 1 of 1

DATE OF INCIDENT 09/5/90 ADDRESS OF INCIDENT _____

Hill St. Ashland, NH.

NH Department of Environmental Services-WSPCD
Petroleum Discharge Incident Report

Date Rec'd 9/5/90 Time 0935 Rec'd by John C.

1. Party Reporting Incident/Phone No. Calvin Brown 968-3351

L.W. Packard

2. Date and Time of Incident 9/5/90 / 0845

3. Type of Product/Amt mineral oil / 10 gal

4. Responsible Party (name, company, address, phone) _____

L.W. Packard

5. Cause of Incident Barrel from truck fell off onto High

6. UST Related? - Yes ☒ No ☐ Explain _____

7. Affected Area: Surface Water (name) _____

☒ Land Only pavement ☐ Groundwater _____ Nearest Water Supply Well _____

8. Agencies/Officials at Site Local F.D. notified

9. GWPB Investigator _____ Time Arrived _____ Time Departed _____

10. Clean-up Contractor Packard personnel Time Notified _____

Number of Personnel _____ Time Arrived _____ Time Departed _____

Equipment Utilized Speedy dig

~ 1 gal entered 10" corrugated pipe, with flush

11. Action Taken _____

Use Reverse Side for NARRATIVE

L.W. PACKARD & COMPANY, INC.

Woolen Manufacturers

FAX # (603)968-7649

6 Mill Street
Ashland, New Hampshire 03217

Telephone (603)968-3351

Sept. 6, 1990

Mr. Jeff Andrews
Dept. of Environmental Services
6 Hazen Drive
Concord, NH 03301

Dear Mr. Andrews:

At 8:45 on Sept. 5, 1990, Maintenance Manager Russell Cross informed me that the yardman had spilled oil on Hill Street. A barrel of mineral oil had fallen from the L. W. Packard truck and ruptured when it hit the pavement. The yardman immediately righted the barrel and dammed a small portion of the spill entering a culvert. A total of approximately 11 gallons were spilled with about one gallon entering the culvert. The oil stayed entirely on the paved surface.

At 9:10 the Town of Ashland was notified and at 9:15 the State of New Hampshire Dept. of Environmental Services was called.

The oil on the road surface was absorbed with speedy-dry and shovelled into drums. The culvert was washed out with 25 gallons of clean hot water. The effluent from the culvert was trapped absorbed with speedy-dry and shovelled into drums. The drums were taken to the Ashland land fill, placed on plastic and covered with plastic to be burned later. The cleanup was complete at 2:15 p.m.

Very truly yours,

L. W. PACKARD & COMPANY, INC.

Calvin Brown
Plant Engineer

CB/mp



GROUNDWATER PROTECTION BUREAU

Complaint
Ashland# 100010
page ✓Record of Telephone Conversation

Date of Conversation: 5/7/91 Time: 1100 (a.m.) / p.m.
Bureau Staff: RPB Title: S-VII
Other Party's Name: Calvin Brown Telephone #: 968-3351
Affiliation/Company: C.W. Packard
Site: Ashland.

SUMMARY OF CONVERSATION

UST's removed a couple of yrs ago by
Jet Line Services some NO.6 oil contamination
encountered, Jet Line thought they removed all the
contaminated soil —

Approx. 6 months ago oil was observed seeping
through foundation of bldg —

This am drilled 4 holes through wall (30" thick)
some oil encountered, not sure what extent of
the problem is —

Making arrangements to get a saw so that
a hole can be cut through the footing wall —
Bored through floor, couldn't find anything —
Footing goes to 12', this is about where Jet Line
stopped; another footing at 14' —

RB stated may have to do some borings to determine
extent of problem —

RB stated will send a DES rep. to site sometime
w/in the next couple of days, will coordinate
with Calvin Brown; he will be out FR. —

Jack Chwasciak
Department of Environmental Services
P.O. Box 95
Concord, N.H. 03302

May 28, 1991

Dear Mr Chwasciak,

Approximately six months ago after a general clean up under the boiler, #6 oil was found on the floor. It was thought to have come from the oil heater leaking on the floor above. After having it cleaned up a couple of times, it was discovered that the oil was coming through the foundation. At that point I called Rick Berry and told him that L.W. Packard and Co., Inc. would proceed to investigate by digging through the floor. For further inspection, a hole was jackhammered through a 27" concrete foundation, picture #2 and holes were probed in a concrete floor buried below the first floor, see picture #1. The oil appears trapped up against the foundation wall. The oil came from old fuel tanks taken out of service. The oil seems to have come across a concrete floor buried below the floor taken out, picture #1, to the 27" wall and flowed down to ledge under the bottom floor, see sketch in elevation.

Contaminated dirt that has been removed has been encapsulated under two layers of poly. I have been in contact with Brox in Hudson for disposal.

The L.W. Packard requests that the oil be allowed to stay in place as it is 20 feet or more under ground and 15 feet inside the building footprint, with ledge underneath. There are plans to build a co-generation plant which would take in the oil site and would be fully remediated at that time. The developer of the co-gen plant is aware of the oil and agrees to remediation. The co-gen plant should be under construction within 3 yrs.

For the L.W. Packard and Co., Inc.

L. Brown

Calvin Brown, Plant Engineer.

Jack Chwasciak
D.E.S.
P.O. Box 95
Concord, N.H. 03302

May 29, 1991

Dear Jack,

I have enclosed the discovery statement, pictures and sketches of approximate location of the oil. If you need any more information, please call me.

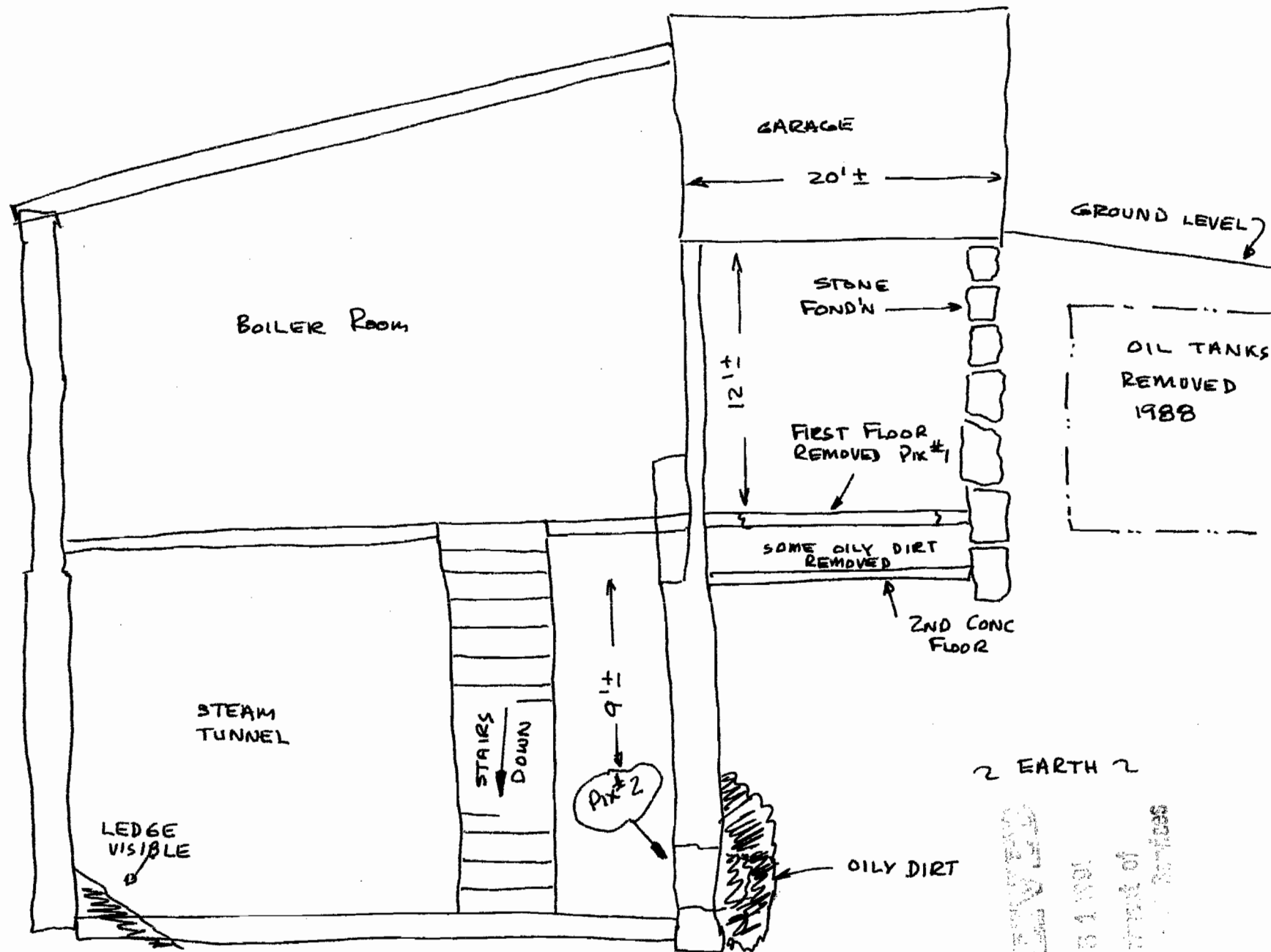
I will hold the contaminated soil for disposal at Brox in Hudson until I hear from you.

Calvin Brown.

RECEIVED

MAY 31 1991

Department of
Environmental Services



ELEVATION LOOKING S-W
NO SCALE



ROBERT W. VARNEY
COMMISSIONER

EDWARD J. SCHMIDT, P.E., Ph.D.
DIRECTOR

RUSSELL A. NYLANDER, P.E.
CHIEF ENGINEER

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER SUPPLY & POLLUTION CONTROL DIVISION

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

603-271-3504

TTY/TDD 225-4033
Relay Service for Deaf/Speech Impaired

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DONALD A. NORMANDEAU, Ph.D.
WAYNE L. PATENAUE
JEFFREY TAYLOR
JAMES VAROTSIS

June 15, 1991

Calvin Brown
L.W. Packard
6 Mill St.
Ashland, NH 03217

RE: ASHLAND, L.W. PARKARD, 6 MILL ST. (GPB #100010)

Dear Mr. Brown:

Please accept this letter as a follow-up to our recent telephone conversations and to your letter and site plans of May 29, 1991.

Given the very limited access and depth of the contaminated soil; your request to leave it in place until construction of the proposed co-generation plant in the subject area is begun, is granted. It is understood that at that time, the contaminated area will be fully remediated.

Please contact this office before that time if conditions change with respect to the amount of oil appearing within the building. In addition, contact us once a date is finalized as to the construction of the co-generation plant.

Thank you for your continued coopertion and feel free to contact me at 271-3644 if you have any questions.

Sincerely,

Jack Chwasciak
Environmentalist
Oil Compliance Section
Groundwater Protection Bureau

JC/lrl:5000h

Lynn Woodard, P.E., Supervisor
Oil Compliance Section
Ground Water Protection Bureau
Department of Environmental Services
6 Hazen Drive
Concord, N.H. 03302

0112818

ASHLAND

RECEIVED

JUN 24 1992

DEPARTMENT OF
ENVIRONMENTAL SERVICES

Dear Lynn,

The L.W. Packard and Co., Inc. has removed its 6000 gal. underground mineral oil storage tank. The tank was still in good condition and there was no leakage. Date of removal was June 22, 1992. There are no more underground tanks on the L.W. Packard and Co., Inc. property.

For the L.W. Packard and Co., Inc.

Calvin Brown

Calvin A. Brown, Plant Engineer.



ROBERT W. VARNEY
COMMISSIONER

EDWARD J. SCHMIDT, P.E., Ph.D.
DIRECTOR

RUSSELL A. NYLANDER, P.E.
CHIEF ENGINEER

Calvin Brown
L.W. Packard Co., Inc.
6 Mill Street
Ashland, NH 03217

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER SUPPLY & POLLUTION CONTROL DIVISION

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

603-271-3504

TTY/TDD 225-4033
Relay Service for Deaf/Speech Impaired

April 7, 1992

COUNCIL

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DONALD A. NORMANDEAU, Ph.D.
WAYNE L. PATENAUDE
JEFFREY TAYLOR
JAMES VAROTSIS

RE: ASHLAND, L.W. PACKARD CO., INC., 6 MILL STREET (GPB #100010)

Dear Mr. Brown:

Please accept this letter as a follow-up to our meeting at the subject site on Wednesday, April 1st which was held to discuss the break-out of #6 fuel oil at the base of the foundation below the boiler room.

It is apparent an unknown amount of oil remains in association with the former underground tanks and/or piping which were located in that area.

While it is not apparent that there is a large amount of oil, some degree of investigation is required to determine the extent of the contamination. As discussed on Wednesday, two or three borings in the area of the former tanks will provide information as to the extent of the contamination and whether additional investigation or remediation is warranted. These borings should be forwarded to below this lower foundation or refusal; whichever is shallower.

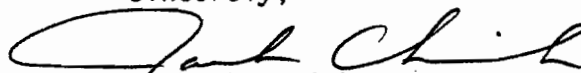
The observation of the soil from these borings shall be a visual check for #6 oil with written documentation during the process by L.W. Packard personnel. This office shall also be notified of the date of this work.

A copy of licensed technical well drillers is enclosed for your information. Any of these firms should be able to provide the boring services discussed above.

We trust that this work can be completed by June 15, 1992 with a written summary report submitted to NH Department of Environmental Services by the end of June.

Feel free to contact the undersigned at 271-3644 if you have any questions.

Sincerely,


Jack Chwasciak

JJC/jeh:6238

Enc: Technical Well Drillers

cc: Paul M. Currier, P.E., GPB

Lynn A. Woodard, P.E., OCS/GPB

File



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

603-271-3503 FAX 603-271-2867

TDD Access: Relay NH 1-800-735-2964



August 5, 1992

Calvin A. Brown, Plant Engineer
L.W. Packard & Co.
6 Mill Street
Ashland, NH 03217

RE: ASHLAND, L.W. PACKARD & CO., CLOSURE REPORT (UST #0112818)

Dear Mr. Brown:

We were notified that underground storage tank(s) (USTs) located at the above listed facility was (were) permanently closed during the month of June 1992.

Results of the assessment including field screening and laboratory analysis of samples collected at the time of closure of the USTs must be submitted to this office immediately. Please submit the test data to:

New Hampshire Department of Environmental Services
Water Supply & Pollution Control Division
Oil Compliance Section
6 Hazen Drive, P.O. Box 95
Concord, NH 03302

Please note that the New Hampshire Department of Environmental Services records show that your facility is in non-compliance with the requirements of Env-Ws 411 and will remain a violation of these rules until the requested information is submitted.

Continued non-compliance with the requirements of Env-Ws 411 may result in fines and/or penalties as specified by RSA 146-C and Env-C 602.08.

Should you have any questions, please feel free to contact me at the Water Supply and Pollution Control Division at 271-3644.

Sincerely,

Nancy Kursewicz

Nancy Kursewicz
Groundwater Protection Bureau

NMK/jeh/6579:9227

cc: Paul M. Currier, P.E., GPB
Lynn A. Woodard, P.E., OCS/GPB
File✓

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-1381

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-2900 FAX (603) 271-2456



December 1, 1997

Susan Francesco
L.W. Packard & Company, Inc.
6 Mill Street, P.O. Box 515
Ashland, N.H. 03217-515

**Subject: Hazardous Waste Limited Permit Application received on August 28, 1997
for the New Hampton Facility**

Dear Ms. Francesco:

The New Hampshire Department of Environmental Services, Waste Management Division has completed a review of the above referenced application to permit treatment of hazardous wastewaters at your facility. The requested Hazardous Waste Limited Permit, Permit No. DES-HW-LP-97-031, is herewith granted per the enclosed authorization, pursuant to RSA Chapter 147-A and Section Env-Wm 353.04(j), or (k) of the New Hampshire Hazardous Waste Rules.

Questions concerning the conditions of this Limited Permit should be directed to Kevin H. Hopkins or me at (603) 271-2942.

Sincerely,

John J. Duclos, Supervisor
Hazardous Waste Compliance Section
Waste Management Division

Enclosure: HW Limited Permit #DES-HW-LP-97-031
NHDES Permit Process Questionnaire

cc: GZA - R. Breton
DES-WRBP - T.J. Croteau
WD-WQ/PCB - G.F. Carlson, P.E.
DB/RCRA
HWLP file

k\hw\hw-lp97.031



HAZARDOUS WASTE LIMITED PERMIT

as authorized by the
NH Department of Environmental Services, Waste Management Division (Department)
pursuant to RSA 147-A and Part Env-Wm 353 of the New Hampshire Hazardous Waste Rules (Rules)

I. PERMIT/FACILITY IDENTIFICATION:

Permit No.: DES-HW-LP-97-031
Permittee: L.W. Packard & Company, Inc.
Facility Name: L.W. Packard & Company, Inc.
Facility Location: Route 132, One Packard Drive, New Hampton, N.H. 03862
EPA ID No.: NHD500020847
Type of Treatment: Elementary Neutralization Unit

II. FILE REFERENCE/RECORD OF APPLICATION:

Date(s) Received: August 28, 1997
WMD Log #(s): 1997-0000636

III. TERMS AND CONDITIONS: The facility shall comply with the following terms and conditions:

- (1) All operation and closure requirements in Part Env-Wm 353.04(e), (f), (g), (h) and (i).
- (2) Requirements for Hazardous Waste Generators in Chapter Env-Wm 500.
- (3) Manifest Requirements in Part Env-Wm 510.
- (4) Recordkeeping and Reporting Requirements in Parts Env-Wm 512 and Env-Wm 705.
- (5) Winnepesaukee River Basin Program - IDP0003

IV. EXPIRATION DATE: In accordance with Env-Wm 353.04(m), this Limited Permit shall expire on December 1, 2002. Renewal of this Limited Permit is subject to the requirements of Env-Wm 353.04(m).

V. AUTHORIZATION SIGNATURE: Pursuant to RSA Chapter 147-A and Part Env-Wm 353 of the New Hampshire Hazardous Waste Rules, this Limited Permit is hereby issued to the permittee identified in Section I above to treat hazardous wastewaters generated by the permittee at the facility identified in Section I above. Treatment of wastewaters and operation of the unit(s) shall be as described in documents cited in Section II above, subject to the terms and conditions provided in Section III above.

BY EXERCISING ANY RIGHTS UNDER THIS AUTHORIZATION, THE PERMITTEE HAS AGREED TO ALL TERMS AND CONDITIONS OF THE PERMIT. Failure to comply with the terms and conditions of the Limited Permit could result in civil, criminal and/or administrative penalties, suspension, or revocation of the Limited Permit. No liability is incurred by the State of New Hampshire by reason of any approval of this Limited Permit. Approval by the Department is based on plans and specifications provided by the applicant. No warranty or guarantee is intended by reason of any advice given by the Department or its staff.

This permit shall not eliminate the need to obtain all requisite federal, state or local permits, licenses or approvals, or to comply with all other applicable federal, state, district and local permits, ordinances, laws, approvals or conditions for the operation of the facility.


Philip J. O'Brien, Ph.D., Director
Waste Management Division

December 1, 1997
Date

WASTE MANAGEMENT DIVISION

IRSFILL ✓
DES # 200009045

Record of Telephone Conversation

Date of Conversation: 6/1/00 Time: 1340 a.m./p.m. (p.m.)
Bureau Staff: RFB Title: PHONE 968-3351 EXT 314
Other Party's Name: Sue Francesco Telephone #: FAX # 968-7649
Affiliation/Company: L.W. Packard
Site: L.W. Packard 6 Mill St. Ashland

SUMMARY OF CONVERSATION

Sue calling to report an oil spill —

The spill occurred 5/30/00 —

Approx 50 gal of No. 6 oil was spilled due to the overfilling of a 20,000 gal AST —

Spill confined to the concrete containment structure around the tank —

In house response team cleaned up the spill using sorbents and speedy dri —

Spill debris placed in 3-55 gal drums for disposal. 961 LBS. one drum contains PPE the other 2 drums contain the oil/speedy dri —

Spill cleanup completed —

Transporter was J. P. Noonan —

L. W. "ACKARD & COMPANY, INC.

FAX # (603)968-7649

P.O. Box 515
6 Mill Street
Ashland, New Hampshire 03217-0515

271-2181

Telephone (603)968-3351
X314

FAX

Date 6/2/00
To Rick Berry
From Sue Francisco
Total # pages 2 including this cover

Rick:

To follow The letter which we
have discussed. It would be most
appreciative if you could sign this &
return via fax (968 7649).

Additionally, for your report - The
Trucking Co. delivering the oil was J.P.
Noonan. As previously stated - They are
not @ fault - This was an internal
L.W.P. error.

Thanks so much for your help.

Sincerely

Susan Francisco

L. W. PACKARD & COMPANY, INC.

FAX # (603)968-7649 P.O. Box 515
6 Mill Street Telephone (603)968-3351
Ashland, New Hampshire 03217-0515

June 2, 2000

Waste Management-Turnkey
PO Box 7063
Rochester, NH 03839
Attn: Ellen Bellio

RE: Disposal of Virgin Oil Contaminated Spill Debris

Dear Ellen:

The L. W. Packard & Co., Inc. Hazmat Team recently responded to and performed clean-up operations for a release of virgin oil at our facility, located in Ashland, New Hampshire. Specifically, the 50 gallon, #6 fuel oil spill was 100% contained within the concrete containment structure.

During the course of the cleanup operations, miscellaneous virgin oil contaminated sorbents, speedy dry and other debris was removed from the containment structure and consolidated into three (3), fifty-five (55) gallon open top steel drums. These drums remain at the facility awaiting disposal by landfill at your facility.

Please use this letter as verification that the material and debris to be brought to your facility is contaminated with virgin oil product only and does not contain any unique or unexpected contaminants not usually associated with fuel oil. Please contact me at (603) 968- 3351 ext. 314 if you have any questions or comments regarding this information.

Sincerely,

L. W. Packard & Co. Inc.

Susan Francesco
Susan Francesco
Safety & Environmental Coordinator

CC: John Stevens, Waste Management, PO Box 98, Meredith Center Rd, Laconia, NH 03257-0098

New Hampshire Department of Environmental Services (NHDES) Endorsement

Richard P Berry
Signature of NHDES Representative

6/2/00
Date

Richard P BERRY
Name (print or type)

CHIEF, INITIAL RESPONSE
Title/Department



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3644 FAX (603) 271-2181



October 06, 2000

Ms. Susan Francesco
L.W. Packard & Co., Inc.
6 Mill Street
Ashland, NH 03217

SUBJECT: **ASHLAND:** L.W. Packard & Co., Inc., 6 Mill Street; Acknowledgment of Aboveground Storage Tank Facility (AST) registration (DES Facility No. 200009045A)

Dear Ms. Francesco:

This letter is to inform you that on September 25, 2000, the New Hampshire Department of Environmental Services (DES) received and registered your aboveground petroleum storage tank (AST) facility. Enclosed is your registration acknowledgment card for this facility. Please retain this card with your files.

Registration of your facility is required for participation in the N.H. Petroleum Cleanup Fund program, however, the statutory deadline for registration of regulated ASTs was July 1, 1996, or 60 days following receipt of ownership, which ever is later. Therefore, you must request a waiver of the registration deadline to be eligible for cleanup cost reimbursement should a release of petroleum occur.

Please be advised that the Oil Fund Disbursement Board has determined that it will not take action on late registration waiver requests until a discharge occurs at an AST facility which results in the owner incurring cleanup related costs. DES records indicate that no discharge from this facility from ASTs has been reported. You must submit your waiver request at the time access to the reimbursement funds available under RSA 146-D or RSA 146-E, as applicable, is needed.

There is no need to do anything regarding the waiver now. The purpose of this letter is to inform you that you must request a waiver of the statutory deadline at the time of applying to the State of New Hampshire for reimbursement of funds expended to clean up an oil spill at your facility, should one occur.

Since this AST facility is regulated by DES, there are certain requirements associated with all active AST(s) that you should be aware of. These are:

1. Owners or operators of regulated ASTs must perform a visual inspection of the tank **at least monthly** to ensure that all equipment is functioning and there is no unusual condition associated with the tank or its appurtenances. You must document in writing that you have performed this inspection. To assist you, DES has prepared and enclosed fact sheet no. OIL-20 which explains in greater detail the inspection requirements.
2. Both New Hampshire and federal regulations require that you have a spill prevention control and countermeasure (SPCC) plan at your facility. You may recall that the registration form asked if you had one for your facility. If you checked "no" or left it blank, enclosed is a summary sheet providing guidance on the preparation of an SPCC plan. Federal regulation states that such a plan shall be certified by a licensed professional engineer (P.E.).

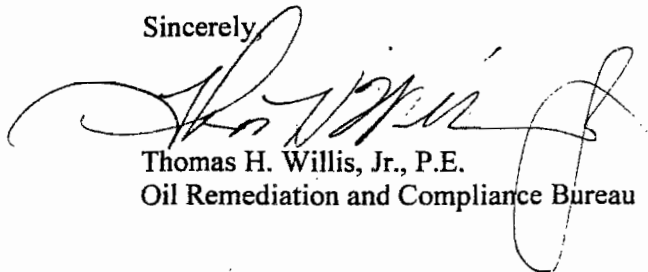
Additionally, you shall review this plan **every three years**. If the plan accurately reflects current conditions at the facility, you can make a dated notation that you have reviewed the plan. If there are changes to the facility, you must amend the plan. All amended plans shall be reviewed and certified by a PE.

3. By April 25, 2000, a facility owner must have a gauge and an independent high level alarm that is both audible and visible to the person filling the tank installed on each existing regulated tank greater than 660 gallons at the facility (vent alarms are suitable on tanks less than 660 gallons in capacity). The high level alarm must be set to activate when the product level reaches 90 percent of capacity, or three percent less than the maximum safe fill height for tanks greater than 12,000 gallons in capacity. Fact Sheet Oil-22 has been enclosed to provide you with more information.
4. By April 25, 2000, all regulated tanks must be marked with the markings described in fact sheet no. OIL-21 (enclosed).
5. If the petroleum in the tank is intended for: retail or wholesale distribution, operation of a fleet of five or more vehicles, or if any portion of the tank system (including piping) is in contact with the soil, the inventory shall be monitored to ensure that there are no unexplained losses of oil. This means that you should be aware that the amount of oil entering the tank is nearly equal to the amount of oil leaving the tank.

DES has requirements for the removal from service or dismantling of existing regulated ASTs. Additionally, all new regulated ASTs shall be approved by DES prior to installation. Additional guidance on these matters is contained in the AST regulations (Env-Wm 1402 - Control of Aboveground Petroleum Storage Tank Facilities). A copy of this can be obtained by calling DES' Public Information and Permitting Unit at (603) 271-2975 or can be downloaded from DES' Internet website at <http://www.des.state.nh.us>. Click on "Waste Management" under Environmental programs then the "Aboveground Storage Tank" link.

DES appreciates your efforts to comply with the AST program. Should you have any questions concerning the contents of this letter or on the registration form, or on the AST rules, please contact me at (603) 271-3644, or by e-mail at t_willis@des.state.nh.us.

Sincerely,



Thomas H. Willis, Jr., P.E.
Oil Remediation and Compliance Bureau

THW/m:/ast/deadwavr/wavr0180.ltr

Enclosures: Fact sheet OIL-20
Fact sheet OIL-21
Fact sheet OIL-22
Guidance on Minimum Standard for SPCC Plans as Required by US. EPA



State of New Hampshire
Department of Environmental Services
Waste Management Division

200009045

**Aboveground Petroleum Storage Tank (AST) Facility
Self-Inspection Checklist and Certification**

Name of Facility L.W. Packard & Co., Inc.
Address of Facility 6 Mill Street
Town/City Ashland AST Facility No. 200009045A
Inspector Joel Bean Date of Inspection 5/25/01

Tank Identification (corresponding to the AST Registration)	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. ____	Tank No. ____	Tank No. ____
Date of Installation?	11/88	11/88			
Capacity?	20,000	20,000			
Product Stored?	# 6	# 6			
Product Level Gauge? (note manufacturer and/or type) Env-Wm 1402.24(a)	☒ Yes ☐ No Petrometer Model 1329	☒ Yes ☐ No Petrometer Model 1329	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Independent High Level Alarm? (note manufacturer and/or type) Env-Wm 1402.24(b)	☒ Yes ☐ No Omntec Model LV2-LF	☒ Yes ☐ No Omntec Mod. LV2-LF	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Tank Markings? (note deficiencies as applicable) Env-Wm 1402.18(e)	☒ Yes ☐ No Deficiencies?	☒ Yes ☐ No Deficiencies?	☐ Yes ☐ No Deficiencies?	☐ Yes ☐ No Deficiencies?	☐ Yes ☐ No Deficiencies?
Secondary Containment? (post April 25, 1997 only) Env-Wm 1402.21	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
SPCC Plan Env-Wm 1402.30	On Site? ☒ Yes ☐ No Accessed? ☐ Yes ☒ No Engineer Certified? ☒ Yes Date Last Reviewed: <u>5/2001</u> Comments: RECEIVED				
Contamination Noted? NHRSA 146-A.3	☐ Yes ☒ No Location: MAY 31 2001 Extent: DEPARTMENT OF ENVIRONMENTAL SERVICES				

Note: The purpose of this site inspection was to determine compliance with selected requirements of New Hampshire Administrative Rules Section Env-Wm 1402 regarding the control of aboveground petroleum storage tank (AST) facilities. This inspection did not review the entire AST facility to determine compliance with all the requirements of this administrative rule. Rather the purpose of this inspection was to determine compliance with elements for which a recent deadline had passed or is a continuous requirement.

Joel Bean
Signature of Inspector

5-30-01
Date



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3644 FAX (603) 271-2181

200007045



December 3, 2001

Joel Bean (maintenance)
6 Mill Street
Ashland NH 03217

RE: L.W. Packard & Co., Inc., 6 Mill Street; *Internal Tank Inspections*; Aboveground Petroleum Storage Tank (AST) Facility No. 000945A

Dear Mr. Bean:

The New Hampshire Department of Environmental Services (DES) is providing this mailing to all registered aboveground petroleum storage tank (AST) facilities having ASTs requiring internal inspections. Internal inspections are required in accordance with Env-Wm 1402.29(b) New Hampshire Code of Administrative Rules Env-Wm 1402, Control of Aboveground Petroleum Storage Facilities, (AST Rules).

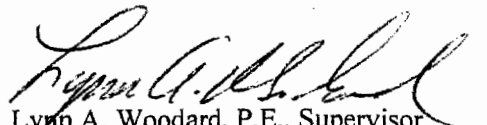
Enclosed you will find an attachment that serves as a reminder of the fast approaching deadline of April 25, 2002 for the inspection of tank interiors pursuant to Env-Wm 1402.29 of the AST Rules. Use the attached flowchart to determine if this requirement applies to any of the tanks at your facility. If your tank(s) are required to have an interior inspection performed by the April 25, 2002 deadline, please review Env-Wm 1402.29(e) of the AST Rules and make the necessary arrangements to have the tank(s) inspected. Please note that interior tank inspections shall be performed by an API certified inspector or a professional engineer with knowledge of tank testing procedures. We suggest that you contact a qualified inspector as soon as possible to schedule his/her services.

If you have already performed interior inspections on some or all of your tanks, **please forward copies of the inspection results for those tanks.** Results should identify the tank and include the inspector's findings regarding serviceability and the next recommended inspection date. The report must bear the API 653 certification number or the professional engineer's stamp, and be signed by the inspector.

Additional guidance on these matters is contained in the AST Rules, which are available at <http://www.des.state.nh.us/orcb/doclist/1402.pdf>. More information on the AST program, as well as registration and application forms, are available at <http://www.des.state.nh.us/orcb/astprog.htm>

DES appreciates your efforts in complying with the AST Rules. Should you have any questions concerning the content of this letter or any aspect of the AST program please contact Jack Chwasciak at (603) 271-3577 or myself at (603) 271-1165.

Sincerely,


Lynn A. Woodard, P.E., Supervisor
Oil Remediation and Compliance Bureau

LAW/gis/h:\mjuranty\massmail2001\interiorinsp.doc
Enc: Flowchart
Env-Wm 1402.29
cc: AST file

December 5, 2002

JOEL BEAN
L W PACKARD & CO INC
6 MILL ST
ASHLAND, NH 03217

**RE: ASHLAND; L W PACKARD & CO INC, 6 MILL ST; SPILL PREVENTION, CONTROL, AND
COUNTERMEASURE (SPCC) PLAN; ABOVEGROUND STORAGE TANK (AST) FACILITY NO.
200009045**

Dear Joel Bean:

The New Hampshire Department of Environmental Services (DES) is providing this mailing to all regulated aboveground petroleum storage tank (AST) facilities to inform facility owners of a recent amendment to Title 40 of the Code of Federal Regulations, Part 112 (40 CFR Part 112), and to explain what that means to you.

Env-Wm 1402.30 of the New Hampshire Code of Administrative Rules Env-Wm 1402, Control of Aboveground Petroleum Storage Facilities (AST Rules) requires that all AST facilities subject to this part shall have a SPCC Plan. The SPCC Plan shall be prepared in accordance with 40 CFR Part 112. DES requires that the SPCC Plan be current, reflecting all AST systems and changes to those AST systems, and be certified by a registered professional engineer (P.E.).

Please be aware that there are many amendments to 40 CFR Part 112, which became effective on August 16, 2002, that go beyond the scope of the AST Rules. For example, all facilities in operation prior to August 16, 2002, **must revise their existing SPCC Plan to reflect the amendments to 40 CFR Part 112 by February 17, 2003**. Also, owners must provide security measures at the facility such as fencing and lighting. Many owners may have to provide secondary containment, sized to hold the largest single tank of any loading/unloading tanker, for their loading/unloading rack. These are but a few of the requirements of 40 CFR Part 112 that are enforceable by the United States Environmental Protection Agency (EPA). A newsletter prepared by EPA as a brief explanation of the revisions to 40 CFR Part 112 has been included in this mailing for your information. We encourage you to become knowledgeable on the details of these federal requirements as they pertain to your facility.

For more information on SPCC Plans visit <http://www.epa.gov/oilspill>, or call Don Grant, Spill-SPCC Enforcement Coordinator at (617) 918-1768. More information on the state AST program, as well as registration and application forms, is available at <http://www.des.state.nh.us/orcb/astprog.htm>. Should you have any questions concerning the content of this letter or any aspect of the AST program please contact me at (603) 271-6058 or by e-mail at mjuranty@des.state.nh.us.

Sincerely,



Michael W. Juranty, P.E.
Oil Remediation and Compliance Bureau

Site #: 200009045

AST #: 000945A

New Hampshire Department of Environmental Services (603) 271-3644

AST Facility Inspection



Facility Information

Location: **L W PACKARD & CO INC**Owner: **L W PACKARD & CO INC****6 MILL ST****6 MILL ST****ASHLAND****ASHLAND, NH**

Joel Bean (603) 968-3351

Inspection Date / Time 3 JUL 2003Inspector: P WERNER / S HANAWELLFacility Registration Date: Sep 12, 2000SPCC Plan Accessable? YESSPCC Last Review Date: 5/1/2001Is SPCC P.E. Certified? Unknown

Monthly Facility Inspections by Owner? _____ Monthly Inventory Monitoring? _____ Suspected Discharge, Evidence of Leaks/Spills? _____

Tank

Tank No.	Status	Capacity	Substance Stored	Date Installed	Construction Code	Type Cathodic Protection	Last Cathodic Protection Test Date	Secondary Containment	Interstitial Monitoring	Level Gauge	Independent High Level Alarm	Tank Markings	On Cradles?	Last Interior Inspection Date	Interior Inspection Results	Interior Inspection Due
1	Active	20000 gal.	#2 Heating	11/1/1988	Integrated Secondary Containment (E.G. "Tank-In-A-Box")			Y		YES PETROME	YES OMNTEC	YES	YES			
2	Active	20000 gal.	#2 Heating	1/1/1988	Integrated Secondary Containment (E.G. "Tank-In-A-Box")			Y		YES PETROME	YES OMNTEC	YES	YES			

Piping

System Type	Material Code	Type Cathodic Protection	Last Cathodic Protection Test Date	Secondary Containment
BG	STE			Y
BG	STE			Y

Comments:

Joel C. Bean
 Owner/ Representative Signature

000945A

Appendix C

Laboratory Data Sheets



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

04-21-2004, 15:26

Ms. Martha Doelle
ARC Environmental Consultants
P.O. Box 116
Gilmanton I.W., N.H. 03837-0116

Dear Ms. Doelle:

Please find enclosed the reports, and invoice for the samples that were logged in on, 04-07-2004.

AAI Sample	Date Sampled	Project Description	Sample Location
84687	04-06-2004	L.W. PACKARD	SED-1
84688	04-06-2004	L.W. PACKARD	SED-2
84689	04-06-2004	L.W. PACKARD	PAPER MILL
84690	04-06-2004	L.W. PACKARD	B-1/S-4
84691	04-06-2004	L.W. PACKARD	B-5/S-4
84692	04-06-2004	L.W. PACKARD	B-8/S-4
84693	04-06-2004	L.W. PACKARD	B-12/S-1

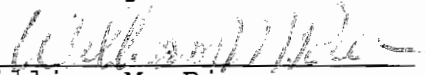
To perform these analyses, the following methods were used:

QTY. EPA Methodologies/Applications

2	EPA-8260	VOA Soil/Solid
4	VOC+PAH+TPH	EPA-8260+8270+8015/8100
1	VOA + TPH	Soil fuel oil Mod. 8260/8100
1	Acid-Base-Neutral	EPA-8270/625
4	Soil Digestion	EPA-3051A
28	Metals analysis	(excluding mercury)
4	Mercury analysis	

Thank you for using Aquarian Analytical Inc. on this project.
If I can be of any further help, please feel free to call.

Sincerely,


William M. Rice

Laboratory Director

Total Pages = 38

doc. # L20372



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As part of Aquarian's ongoing quality assurance program, all analyses included the following quality assurance measures.

Samples were received in an acceptable condition.

Samples were prepared and analyzed within the appropriate hold time specified in the method referred to on the analyses sheet.

The instrument that was used for the analyses was calibrated and/or tuned at the required frequency.

A daily calibration check was performed.

A daily blank was run, and contamination was not observed at levels that would affect the analyses.

For all work, internal standards, and surrogates gave appropriate response levels.

Matrix spikes were added where appropriate, and recoveries were within the acceptable range.

Duplicates were run at the frequency specified in the applicable state or federal regulations.

In addition to the above steps, all original-raw data is on file at Aquarian Analytical's offices for inspection when required.

Exceptions (if any)



Certification



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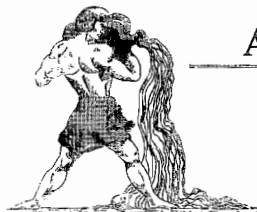
Volatile Organic Report & Oxygenates

04-21-2004, 15:20

Page 1 of 2

AAI Sample #	84689		
Project	L.W. PACKARD	Matrix	Soil/Solid
Date Sampled	04-06-2004, 12:50	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004, 10:18	Location	PAPER MILL
Date of Analysis	04-13-2004	Town	ASHLAND
% Solids	84.32%		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Benzene	BD	0.040
Bromobenzene	BD	0.040
Bromodichloromethane	BD	0.040
Bromoform	BD	0.040
Bromomethane	BD	0.040
n-Butylbenzene	BD	0.040
sec-Butylbenzene	BD	0.040
tert-Butylbenzene	BD	0.040
Carbon-Tetrachloride	BD	0.040
Chlorobenzene	BD	0.040
Chloroethane	BD	0.040
Chloroform	BD	0.040
Chloromethane	BD	0.060
2-Chlorotoluene	BD	0.040
4-Chlorotoluene	BD	0.040
Dibromochloromethane	BD	0.040
1,2 Dibromo-3-Chloropropane	BD	0.040
1,2 Dibromoethane	BD	0.040
Dibromomethane	BD	0.040
1,2 Dichlorobenzene	BD	0.040
1,3 Dichlorobenzene	BD	0.040
1,4 Dichlorobenzene	BD	0.040
Dichlorodifluoromethane	BD	0.100
1,1 Dichloroethane	BD	0.040
1,2 Dichloroethane	BD	0.040
1,1 Dichloroethene	BD	0.040
cis-1,2 Dichloroethene	BD	0.040
trans-1,2 Dichloroethene	BD	0.040
1,2 Dichloropropane	BD	0.080
1,3 Dichloropropane	BD	0.040
2,2 Dichloropropane	BD	0.040
1,1 Dichloropropene	BD	0.040
cis-1,3 Dichloropropene	BD	0.040
trans-1,3 Dichloropropene	BD	0.040
Ethylbenzene	BD	0.040
Hexachlorobutadiene	BD	0.080
Isopropylbenzene	BD	0.040
p-Isopropyltoluene	BD	0.040



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Volatile Organic Report & Oxygenates

04-21-2004, 15:20

Sample 84689

Page 2 of 2

Project L.W. PACKARD
Location PAPER MILL

Matrix Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Methylene Chloride	BD	0.100
Naphthalene	BD	0.080
n-Propylbenzene	BD	0.040
Styrene	BD	0.040
1,1,1,2 Tetrachloroethane	BD	0.040
1,1,2,2 Tetrachloroethane	BD	0.040
Tetrachloroethene	BD	0.040
Toluene	BD	0.040
1,2,3 Trichlorobenzene	BD	0.080
1,2,4 Trichlorobenzene	BD	0.080
1,1,1 Trichloroethane	BD	0.040
1,1,2 Trichloroethane	BD	0.040
Trichloroethene	BD	0.040
Trichlorofluoromethane	BD	0.080
1,2,3 Trichloropropane	BD	0.040
1,2,4 Trimethylbenzene	BD	0.040
1,3,5 Trimethylbenzene	BD	0.040
Vinyl Chloride	BD	0.040
o-Xylene	BD	0.040
m&p-Xylene	BD	0.040
Ethyl Ether	BD	0.600
Acetone	BD	2.000
Methylethylketone MEK	BD	1.000
Methylisobutylketone	BD	1.000
Tetrahydrofuran	BD	0.600
Methyl-t-butyl ether	BD	0.040
Diisopropyl ether	BD	0.080
Ethyltertbutyl ether	BD	0.080
Tertbutyl Alcohol	BD	0.400
Tertamylmethyl ether	BD	0.080

Comments:

TPH was performed with motor oil as the standard.

Method of VOA Analysis = EPA-8260B

BD = Below Detection Limit - Results are in parts per million (ppm) unless noted.



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Poly Aromatic Hydrocarbon Report

04-21-2004, 15:21

Sample 84689

Date Sampled	04-06-2004, 12:50	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004, 10:18	Location	PAPER MILL
Analysis Date	04-20-2004	Town	ASHLAND
Extraction Date	04-09-2004	Matrix	Soil/Solid
% Solids	84.32 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	1.20
Acenaphthylene	BD	1.20
Anthracene	BD	1.20
Benzo (a) anthracene	BD	1.20
Benzo (b) fluoranthene	BD	1.20
Benzo (k) fluoranthene	BD	1.20
Benzo (ghi) perylene	BD	1.20
Benzo (a) pyrene	BD	1.20
Chrysene	BD	1.20
Dibenzo (a,h) anthracene	BD	1.20
Fluoranthene	BD	1.20
Fluorene	BD	1.20
Indeno (1,2,3-cd) pyrene	BD	1.20
Naphthalene	BD	1.20
Phenanthrene	BD	1.20
Pyrene	BD	1.20
2-Methylnaphthalene	BD	1.20
1-Methylnaphthalene	BD	1.20

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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TPH only Report

04-21-2004, 15:22
Sample 84689

Project = L.W. PACKARD

Date Sampled = 04-06-2004, 12:50

Date Logged In = 04-07-2004, 10:18

Date Analyzed = 04-07-2004

Person Sampling = DOELLE/AMBELAS

Location = PAPER MILL

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	22000	30
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	84.32	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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Volatile Organic Report & Oxygenates

04-22-2004,15:56

Page 1 of 2

AAI Sample #	84690		
Project	L.W. PACKARD	Matrix	Soil/Solid
Date Sampled	04-06-2004,09:00	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004,10:19	Location	B-1/S-4
Date of Analysis	04-13-2004	Town	ASHLAND
% Solids	55.58%		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Benzene	BD	0.160
Bromobenzene	BD	0.160
Bromodichloromethane	BD	0.160
Bromoform	BD	0.160
Bromomethane	BD	0.160
n-Butylbenzene	BD	0.160
sec-Butylbenzene	BD	0.160
tert-Butylbenzene	BD	0.160
Carbon-Tetrachloride	BD	0.160
Chlorobenzene	BD	0.160
Chloroethane	BD	0.160
Chloroform	BD	0.160
Chloromethane	BD	0.240
2-Chlorotoluene	BD	0.160
4-Chlorotoluene	BD	0.160
Dibromochloromethane	BD	0.160
1,2 Dibromo-3-Chloropropane	BD	0.160
1,2 Dibromoethane	BD	0.160
Dibromomethane	BD	0.160
1,2 Dichlorobenzene	BD	0.160
1,3 Dichlorobenzene	BD	0.160
1,4 Dichlorobenzene	BD	0.160
Dichlorodifluoromethane	BD	0.400
1,1 Dichloroethane	BD	0.160
1,2 Dichloroethane	BD	0.160
1,1 Dichloroethene	BD	0.160
cis-1,2 Dichloroethene	BD	0.160
trans-1,2 Dichloroethene	BD	0.160
1,2 Dichloropropane	BD	0.320
1,3 Dichloropropane	BD	0.160
2,2 Dichloropropane	BD	0.160
1,1 Dichloropropene	BD	0.160
cis-1,3 Dichloropropene	BD	0.160
trans-1,3 Dichloropropene	BD	0.160
Ethylbenzene	BD	0.160
Hexachlorobutadiene	BD	0.320
Isopropylbenzene	BD	0.160
p-Isopropyltoluene	0.741	0.160



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Volatile Organic Report & Oxygenates

04-22-2004, 15:56

Sample 84690

Page 2 of 2

Project L.W. PACKARD
Location B-1/S-4

Matrix Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Methylene Chloride	BD	0.400
Naphthalene	BD	0.320
n-Propylbenzene	BD	0.160
Styrene	BD	0.160
1,1,1,2 Tetrachloroethane	BD	0.160
1,1,2,2 Tetrachloroethane	BD	0.160
Tetrachloroethene	BD	0.160
Toluene	BD	0.160
1,2,3 Trichlorobenzene	BD	0.320
1,2,4 Trichlorobenzene	BD	0.320
1,1,1 Trichloroethane	BD	0.160
1,1,2 Trichloroethane	BD	0.160
Trichloroethene	BD	0.160
Trichlorofluoromethane	BD	0.320
1,2,3 Trichloropropane	BD	0.160
1,2,4 Trimethylbenzene	BD	0.160
1,3,5 Trimethylbenzene	BD	0.160
Vinyl Chloride	BD	0.160
o-Xylene	BD	0.160
m&p-Xylene	BD	0.160
Ethyl Ether	BD	2.400
Acetone	BD	8.000
Methylethylketone MEK	BD	4.000
Methylisobutylketone	BD	4.000
Tetrahydrofuran	BD	2.400
Methyl-t-butyl ether	BD	0.160
Diisopropyl ether	BD	0.320
Ethyltertbutyl ether	BD	0.320
Tertbutyl Alcohol	BD	1.600
Tertamylmethyl ether	BD	0.320

Comments:

TPH was performed with #2 fuel oil as the standard.

Phenol surrogates gave low recoveries due to soil's pH > 10.0

Method of VOA Analysis = EPA-8260B

BD = Below Detection Limit - Results are in parts per million (ppm) unless noted.



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Laboratory Services

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Volatile Organic Report & Oxygenates

04-21-2004,15:20

Page 1 of 2

AAI Sample #	84691		
Project	L.W. PACKARD	Matrix	Soil/Solid
Date Sampled	04-06-2004,11:00	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004,10:21	Location	B-5/S-4
Date of Analysis	04-13-2004	Town	ASHLAND
% Solids	91.25%		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Benzene	BD	0.220
Bromobenzene	BD	0.220
Bromodichloromethane	BD	0.220
Bromoform	BD	0.220
Bromomethane	BD	0.220
n-Butylbenzene	BD	0.220
sec-Butylbenzene	0.990	0.220
tert-Butylbenzene	BD	0.220
Carbon-Tetrachloride	BD	0.220
Chlorobenzene	BD	0.220
Chloroethane	BD	0.220
Chloroform	BD	0.220
Chloromethane	BD	0.330
2-Chlorotoluene	BD	0.220
4-Chlorotoluene	BD	0.220
Dibromochloromethane	BD	0.220
1,2 Dibromo-3-Chloropropane	BD	0.220
1,2 Dibromoethane	BD	0.220
Dibromomethane	BD	0.220
1,2 Dichlorobenzene	BD	0.220
1,3 Dichlorobenzene	BD	0.220
1,4 Dichlorobenzene	BD	0.220
Dichlorodifluoromethane	BD	0.550
1,1 Dichloroethane	BD	0.220
1,2 Dichloroethane	BD	0.220
1,1 Dichloroethene	BD	0.220
cis-1,2 Dichloroethene	BD	0.220
trans-1,2 Dichloroethene	BD	0.220
1,2 Dichloropropane	BD	0.440
1,3 Dichloropropane	BD	0.220
2,2 Dichloropropane	BD	0.220
1,1 Dichloropropene	BD	0.220
cis-1,3 Dichloropropene	BD	0.220
trans-1,3 Dichloropropene	BD	0.220
Ethylbenzene	0.640	0.220
Hexachlorobutadiene	BD	0.440
Isopropylbenzene	0.464	0.220
p-Isopropyltoluene	0.338	0.220



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Volatile Organic Report & Oxygenates

04-21-2004, 15:20

Sample 84691

Page 2 of 2

Project L.W. PACKARD
Location B-5/S-4

Matrix Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Methylene Chloride	BD	0.550
Naphthalene	6.730	0.440
n-Propylbenzene	1.020	0.220
Styrene	BD	0.220
1,1,1,2 Tetrachloroethane	BD	0.220
1,1,2,2 Tetrachloroethane	BD	0.220
Tetrachloroethene	BD	0.220
Toluene	BD	0.220
1,2,3 Trichlorobenzene	BD	0.440
1,2,4 Trichlorobenzene	BD	0.440
1,1,1 Trichloroethane	BD	0.220
1,1,2 Trichloroethane	BD	0.220
Trichloroethene	BD	0.220
Trichlorofluoromethane	BD	0.440
1,2,3 Trichloropropane	BD	0.220
1,2,4 Trimethylbenzene	BD	0.220
1,3,5 Trimethylbenzene	BD	0.220
Vinyl Chloride	BD	0.220
o-Xylene	BD	0.220
m&p-Xylene	BD	0.220
Ethyl Ether	BD	3.300
Acetone	BD	11.000
Methylethylketone MEK	BD	5.500
Methylisobutylketone	BD	5.500
Tetrahydrofuran	BD	3.300
Methyl-t-butyl ether	BD	0.220
Diisopropyl ether	BD	0.440
Ethyltertbutyl ether	BD	0.440
Tertbutyl Alcohol	BD	2.200
Tertamylmethyl ether	BD	0.440

Comments:

TPH was performed with motor oil as the standard.

Method of VOA Analysis = EPA-8260B

BD = Below Detection Limit - Results are in parts per million (ppm) unless noted.



AQUARIAN ANALYTICAL INC.

Laboratory Services

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Canterbury, N.H. 03224

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Volatile Organic Report & Oxygenates

04-21-2004, 15:20

Page 1 of 2

AAI Sample #	84692		
Project	L.W. PACKARD	Matrix	Soil/Solid
Date Sampled	04-06-2004, 12:00	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004, 10:22	Location	B-8/S-4
Date of Analysis	04-13-2004	Town	ASHLAND
% Solids	93.29%		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Benzene	BD	0.200
Bromobenzene	BD	0.200
Bromodichloromethane	BD	0.200
Bromoform	BD	0.200
Bromomethane	BD	0.200
n-Butylbenzene	BD	0.200
sec-Butylbenzene	0.667	0.200
tert-Butylbenzene	BD	0.200
Carbon-Tetrachloride	BD	0.200
Chlorobenzene	BD	0.200
Chloroethane	BD	0.200
Chloroform	BD	0.200
Chloromethane	BD	0.300
2-Chlorotoluene	BD	0.200
4-Chlorotoluene	BD	0.200
Dibromochloromethane	BD	0.200
1,2 Dibromo-3-Chloropropane	BD	0.200
1,2 Dibromoethane	BD	0.200
Dibromomethane	BD	0.200
1,2 Dichlorobenzene	BD	0.200
1,3 Dichlorobenzene	BD	0.200
1,4 Dichlorobenzene	BD	0.200
Dichlorodifluoromethane	BD	0.500
1,1 Dichloroethane	BD	0.200
1,2 Dichloroethane	BD	0.200
1,1 Dichloroethene	BD	0.200
cis-1,2 Dichloroethene	BD	0.200
trans-1,2 Dichloroethene	BD	0.200
1,2 Dichloropropane	BD	0.400
1,3 Dichloropropane	BD	0.200
2,2 Dichloropropane	BD	0.200
1,1 Dichloropropene	BD	0.200
cis-1,3 Dichloropropene	BD	0.200
trans-1,3 Dichloropropene	BD	0.200
Ethylbenzene	0.385	0.200
Hexachlorobutadiene	BD	0.400
Isopropylbenzene	0.280	0.200
p-Isopropyltoluene	BD	0.200



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Volatile Organic Report & Oxygenates

04-21-2004, 15:20

Sample 84692

Page 2 of 2

Project L.W. PACKARD
Location B-8/S-4

Matrix Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Methylene Chloride	BD	0.500
Naphthalene	3.570	0.400
n-Propylbenzene	0.589	0.200
Styrene	BD	0.200
1,1,1,2 Tetrachloroethane	BD	0.200
1,1,2,2 Tetrachloroethane	BD	0.200
Tetrachloroethene	BD	0.200
Toluene	BD	0.200
1,2,3 Trichlorobenzene	BD	0.400
1,2,4 Trichlorobenzene	BD	0.400
1,1,1 Trichloroethane	BD	0.200
1,1,2 Trichloroethane	BD	0.200
Trichloroethene	BD	0.200
Trichlorofluoromethane	BD	0.400
1,2,3 Trichloropropane	BD	0.200
1,2,4 Trimethylbenzene	BD	0.200
1,3,5 Trimethylbenzene	BD	0.200
Vinyl Chloride	BD	0.200
o-Xylene	BD	0.200
m&p-Xylene	BD	0.200
Ethyl Ether	BD	3.000
Acetone	BD	10.000
Methylethylketone MEK	BD	5.000
Methylisobutylketone	BD	5.000
Tetrahydrofuran	BD	3.000
Methyl-t-butyl ether	BD	0.200
Diisopropyl ether	BD	0.400
Ethyltertbutyl ether	BD	0.400
Tertbutyl Alcohol	BD	2.000
Tertamylmethyl ether	BD	0.400

Comments:

TPH was performed with motor oil as the standard.

Method of VOA Analysis = EPA-8260B

BD = Below Detection Limit - Results are in parts per million (ppm) unless noted.



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

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Volatile Organic Report & Oxygenates

04-21-2004, 15:21

Page 1 of 2

AAI Sample #	84693		
Project	L.W. PACKARD	Matrix	Soil/Solid
Date Sampled	04-06-2004, 14:50	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004, 10:23	Location	B-12/S-1
Date of Analysis	04-13-2004	Town	ASHLAND
% Solids	85.02%		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Benzene	BD	0.092
Bromobenzene	BD	0.092
Bromodichloromethane	BD	0.092
Bromoform	BD	0.092
Bromomethane	BD	0.092
n-Butylbenzene	BD	0.092
sec-Butylbenzene	BD	0.092
tert-Butylbenzene	BD	0.092
Carbon-Tetrachloride	BD	0.092
Chlorobenzene	BD	0.092
Chloroethane	BD	0.092
Chloroform	BD	0.092
Chloromethane	BD	0.138
2-Chlorotoluene	BD	0.092
4-Chlorotoluene	BD	0.092
Dibromochloromethane	BD	0.092
1,2 Dibromo-3-Chloropropane	BD	0.092
1,2 Dibromoethane	BD	0.092
Dibromomethane	BD	0.092
1,2 Dichlorobenzene	BD	0.092
1,3 Dichlorobenzene	BD	0.092
1,4 Dichlorobenzene	BD	0.092
Dichlorodifluoromethane	BD	0.230
1,1 Dichloroethane	BD	0.092
1,2 Dichloroethane	BD	0.092
1,1 Dichloroethene	BD	0.092
cis-1,2 Dichloroethene	BD	0.092
trans-1,2 Dichloroethene	BD	0.092
1,2 Dichloropropane	BD	0.184
1,3 Dichloropropane	BD	0.092
2,2 Dichloropropane	BD	0.092
1,1 Dichloropropene	BD	0.092
cis-1,3 Dichloropropene	BD	0.092
trans-1,3 Dichloropropene	BD	0.092
Ethylbenzene	BD	0.092
Hexachlorobutadiene	BD	0.184
Isopropylbenzene	BD	0.092
p-Isopropyltoluene	BD	0.092



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Volatile Organic Report & Oxygenates

04-21-2004, 15:21

Sample 84693

Page 2 of 2

Project L.W. PACKARD
Location B-12/S-1

Matrix Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Methylene Chloride	BD	0.230
Naphthalene	BD	0.184
n-Propylbenzene	BD	0.092
Styrene	BD	0.092
1,1,1,2 Tetrachloroethane	BD	0.092
1,1,2,2 Tetrachloroethane	BD	0.092
Tetrachloroethene	BD	0.092
Toluene	BD	0.092
1,2,3 Trichlorobenzene	BD	0.184
1,2,4 Trichlorobenzene	BD	0.184
1,1,1 Trichloroethane	BD	0.092
1,1,2 Trichloroethane	BD	0.092
Trichloroethene	BD	0.092
Trichlorofluoromethane	BD	0.184
1,2,3 Trichloropropane	BD	0.092
1,2,4 Trimethylbenzene	BD	0.092
1,3,5 Trimethylbenzene	BD	0.092
Vinyl Chloride	BD	0.092
o-Xylene	BD	0.092
m&p-Xylene	BD	0.092
Ethyl Ether	BD	1.380
Acetone	BD	4.600
Methylethylketone MEK	BD	2.300
Methylisobutylketone	BD	2.300
Tetrahydrofuran	BD	1.380
Methyl-t-butyl ether	BD	0.092
Diisopropyl ether	BD	0.184
Ethyltertbutyl ether	BD	0.184
Tertbutyl Alcohol	BD	0.920
Tertamylmethyl ether	BD	0.184

Comments:

TPH was performed with motor oil as the standard.

Method of VOA Analysis = EPA-8260B

BD = Below Detection Limit - Results are in parts per million (ppm) unless noted.



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TPH only Report

04-21-2004, 15:22
Sample 84690

Project = L.W. PACKARD

Date Sampled = 04-06-2004, 09:00

Date Logged In = 04-07-2004, 10:19

Date Analyzed = 04-13-2004

Person Sampling = DOELLE/AMBELAS

Location = B-1/S-4

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	BD	10
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	55.58	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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TPH only Report

04-21-2004, 15:22
Sample 84691

Project = L.W. PACKARD
Date Sampled = 04-06-2004, 11:00
Date Logged In = 04-07-2004, 10:21
Date Analyzed = 04-07-2004
Person Sampling = DOELLE/AMBELAS
Location = B-5/S-4
Town = ASHLAND
Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	31000	50
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	91.25	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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TPH only Report

04-21-2004, 15:23
Sample 84692

Project = L.W. PACKARD

Date Sampled = 04-06-2004, 12:00

Date Logged In = 04-07-2004, 10:22

Date Analyzed = 04-07-2004

Person Sampling = DOELLE/AMBELAS

Location = B-8/S-4

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	56000	50
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	93.29	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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TPH only Report

04-21-2004, 15:23
Sample 84693

Project = L.W. PACKARD
Date Sampled = 04-06-2004, 14:50
Date Logged In = 04-07-2004, 10:23
Date Analyzed = 04-07-2004
Person Sampling = DOELLE/AMBELAS
Location = B-12/S-1
Town = ASHLAND
Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	16000	40
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	85.02	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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Page 1 of 2

Base Neutral Report

04-22-2004, 15:07

Sample 84690

Date Sampled = 04-06-2004, 09:00 Sampler = DOELLE/AMBELAS
Date Logged In = 04-07-2004, 10:19 Location = B-1/S-4
Analysis Date = 04-20-2004 Town = ASHLAND
Matrix = Soil/Solid

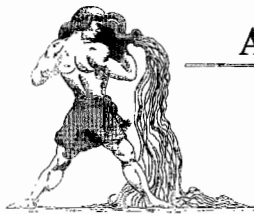
Organic Compound	Result mg/kg	Det. Lim. mg/kg
Naphthalene, 2-chloro	BD	0.400
Ether, bis (2-chloroethyl)	BD	0.400
Ether, bis (2-chloroisopropyl)	BD	0.400
Ether, 2-chloroethyl vinyl	BD	0.400
Ether, 4-bromophenyl phenyl	BD	0.400
Ether, 4-chlorophenyl phenyl	BD	0.400
Methane, bis (2-chloroethoxy)	BD	0.400
Benzene, nitro	BD	0.400
Toluene, 2,4-dinitro	BD	0.400
Toluene, 2,6-dinitro	BD	0.400
Phthalate, dimethyl	BD	0.400
Phthalate, diethyl	BD	1.600
Phthalate, di-n-octyl	BD	1.200
Phthalate, bis (2-ethylhexyl)	BD	1.200
Phthalate, butyl benzyl	BD	0.400
Acenaphthene	BD	0.400
Acenaphthylene	BD	0.400
Anthracene	BD	0.400
Benzo (a) anthracene	BD	0.400
Benzo (b) fluoranthene	BD	0.400
Benzo (k) fluoranthene	BD	0.400
Benzo (ghi) perylene	BD	0.400
Benzo (a) pyrene	BD	0.400
Chrysene	BD	0.400
Dibenzo (a,h) anthracene	BD	0.400
Fluoranthene	BD	0.400
Fluorene	BD	0.400
Benzene, hexachloro	BD	0.400
Indeno (1,2,3-cd) pyrene	BD	0.400
Naphthalene	BD	0.400
Phenanthrene	BD	0.400
Pyrene	BD	0.400
Nitrosamine, dimethyl - (DMN)	BD	0.400
Nitrosamine, diphenyl-	BD	0.400
Nitrosamine, di-n-propyl-	BD	0.400
Ethane, hexachloro	BD	0.400
Benzoic Acid	BD	1.600
Pyridine	BD	0.400
Phthlate, di-n-butyl	BD	2.400
Hexachloroethane	BD	0.400
2-Methylnaphthalene	BD	0.400
1-Methylnaphthalene	BD	0.400
4-Chloroaniline	BD	1.600

Comments:

BD = Below Detection Limit

Method of Analyses = EPA-8270.

All Results are in parts per million (ppm), except as noted.



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Page 2 of 2

Acid Fraction Report
04-22-2004, 15:07
Sample 84690

Date Sampled = 04-06-2004, 09:00 Sampler = DOELLE/AMBELAS
Date Logged In = 04-07-2004, 10:19 Location = B-1/S-4
Analysis Date = 04-20-2004 Town = ASHLAND
Matrix = Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Phenol, 4-chloro-3-methyl	BD	4.000
Cresol, (meta & para)	BD	4.000
Cresol, ortho	BD	4.000
Phenol	BD	4.000
Phenol, 2-chloro-	BD	4.000
Phenol, 2,4 dichloro-	BD	4.000
Phenol, 2,4,6 trichloro-	BD	4.000
Phenol, pentachloro-	BD	4.000
Phenol, 2 nitro-	BD	4.000
Phenol, 4 nitro-	BD	16.000
Phenol, 2,4 dinitro-	BD	16.000
Phenol, 2,4 dimethyl-	BD	12.000
Cresol, 4,6 dinitro-o-	BD	16.000

Comments:

TPH was performed with #2 fuel oil as the standard.
Phenol surrogates gave low recoveries due to soil's pH > 10.0

BD = Below Detection Limit

Method of Analyses = EPA-8270, All Results are in parts
per million (ppm), except as noted.



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Poly Aromatic Hydrocarbon Report

04-21-2004, 15:21

Sample 84691

Date Sampled	04-06-2004, 11:00	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004, 10:21	Location	B-5/S-4
Analysis Date	04-20-2004	Town	ASHLAND
Extraction Date	04-09-2004	Matrix	Soil/Solid
% Solids	91.25 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	2.40
Acenaphthylene	BD	2.40
Anthracene	BD	2.40
Benzo (a) anthracene	BD	2.40
Benzo (b) fluoranthene	BD	2.40
Benzo (k) fluoranthene	BD	2.40
Benzo (ghi) perylene	BD	2.40
Benzo (a) pyrene	BD	2.40
Chrysene	BD	2.40
Dibenzo (a,h) anthracene	BD	2.40
Fluoranthene	BD	2.40
Fluorene	BD	2.40
Indeno (1,2,3-cd) pyrene	BD	2.40
Naphthalene	BD	2.40
Phenanthrene	BD	2.40
Pyrene	BD	2.40
2-Methylnaphthalene	4.60	2.40
1-Methylnaphthalene	3.20	2.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Poly Aromatic Hydrocarbon Report 04-21-2004, 15:21 Sample 84692

Date Sampled	04-06-2004, 12:00	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004, 10:22	Location	B-8/S-4
Analysis Date	04-20-2004	Town	ASHLAND
Extraction Date	04-09-2004	Matrix	Soil/Solid
% Solids	93.29 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	2.40
Acenaphthylene	BD	2.40
Anthracene	BD	2.40
Benzo (a) anthracene	BD	2.40
Benzo (b) fluoranthene	BD	2.40
Benzo (k) fluoranthene	BD	2.40
Benzo (ghi) perylene	BD	2.40
Benzo (a) pyrene	BD	2.40
Chrysene	BD	2.40
Dibenzo (a,h) anthracene	BD	2.40
Fluoranthene	BD	2.40
Fluorene	BD	2.40
Indeno (1,2,3-cd) pyrene	BD	2.40
Naphthalene	BD	2.40
Phenanthrene	BD	2.40
Pyrene	BD	2.40
2-Methylnaphthalene	BD	2.40
1-Methylnaphthalene	BD	2.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Poly Aromatic Hydrocarbon Report

04-21-2004, 15:22

Sample 84693

Date Sampled	04-06-2004, 14:50	Sampler	DOELLE/AMBELAS
Date Logged In	04-07-2004, 10:23	Location	B-12/S-1
Analysis Date	04-20-2004	Town	ASHLAND
Extraction Date	04-09-2004	Matrix	Soil/Solid
% Solids	85.02 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	1.20
Acenaphthylene	BD	1.20
Anthracene	BD	1.20
Benzo (a) anthracene	BD	1.20
Benzo (b) fluoranthene	BD	1.20
Benzo (k) fluoranthene	BD	1.20
Benzo (ghi) perylene	1.40	1.20
Benzo (a) pyrene	BD	1.20
Chrysene	BD	1.20
Dibenzo (a,h) anthracene	BD	1.20
Fluoranthene	1.70	1.20
Fluorene	BD	1.20
Indeno (1,2,3-cd) pyrene	1.20	1.20
Naphthalene	BD	1.20
Phenanthrene	1.70	1.20
Pyrene	1.40	1.20
2-Methylnaphthalene	BD	1.20
1-Methylnaphthalene	BD	1.20

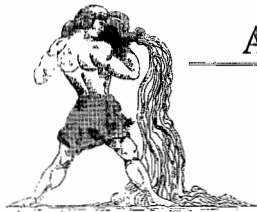
Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Total RCRA Metals

04-21-2004, 16:13

Sample 84690

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 04-06-2004, 09:00 Sampler = DOELLE/AMBELAS

Date Logged In = 04-07-2004, 10:19 Location = B-1/S-4

Date of Analysis = 04-12-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	120.000	1.000
Barium	6020	33.000	2.000
Cadmium	6020	BD	1.000
Chromium	6020	7.000	1.000
Lead	6020	43.000	1.000
Mercury	6020	0.200	0.200
Selenium	6020	3.000	2.000
Silver	6020	BD	2.000

Comments:

TPH was performed with #2 fuel oil as the standard.

Phenol surrogates gave low recoveries due to soil's pH > 10.0

Results expressed in milligrams/kilogram, (ppm)



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Total RCRA Metals

04-21-2004, 16:13

Sample 84693

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 04-06-2004, 14:50 Sampler = DOELLE/AMBELAS

Date Logged In = 04-07-2004, 10:23 Location = B-12/S-1

Date of Analysis = 04-12-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	2.600	0.500
Barium	6020	25.000	1.000
Cadmium	6020	BD	0.500
Chromium	6020	11.000	0.500
Lead	6020	73.000	0.500
Mercury	6020	0.400	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

TPH was performed with motor oil as the standard.

Results expressed in milligrams/kilogram, (ppm)



Aquarian Analytical, Inc.

Laboratory Services

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Canterbury, NH 03224
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Fax: (603) 783-0360
www.aquarianlab.com

Turnaround Requirements (check one)					Project Information																													
RUSH SAMPLES NEED PRIOR APPROVAL ____ Same day turnaround (150% upcharge) ____ 24 hour turnaround (100% upcharge) ____ 48 hour turnaround (50% upcharge) ____ 72 hour turnaround (25% upcharge) ☒ Normal turnaround					Project #: Project Name: <u>LW Pachard</u> Town/Site: <u>ASHland NH</u> Sampler: <u>MMD / GA</u> Company: <u>ARC</u> Account #: <u>G1076</u>										Project Manager: <u>MH Doelle</u> Report to: <u>Gary Ambelas</u> Invoice to: Phone: Fax:																			
Sample Information					VOC's-SVOC's					Additional			Metals			Other (list)																		
AAI ID#	Sample ID	Date/Time	Sample Matrix	Number of Containers	EPA 524.2 Drinking Water	EPA 8260 / EPA 8260B	EPA 8240 / EPA 824	BTEX / MTBE	BTEX+MTBE+Naphthalene	Chlorinated only	EPA 8270 A-B/N	EPA 8270 PAH	EPA 8015M Gasoline	EPA 8100M Fuel Oil	N.H. Petroleum Short List	N.H. Haz. Waste Short List	Fingerprint	13 Priority Pollutants	RCRA 8	TCLP:	Field Filtered:	Lab Filtered:	Total:	EPA 608 PCBs	EPA 8081 Pesticide	EPA 8150 Herbicides	EPA SW846-7 Reactivity	EPA 1010 Flashpoint / Ignitability	EPA 150.1 / 9045 pH	Alkalinity	Methane	EPA 300.0 Nitrate	EPA 300.0 Sulfate	EPA 300.0 Chloride
84687	SED-1	4/6/04 1515	S	2	X														X															
84688	SED-2	4/6/04 1540	S	2	X														X															
84689	Paper Mill	4/6/04 1250	S	2	X							X	X																					
84690	B-1/S-4	4/6/04 0900	S	2	X					X			X						X															
84691	B-5/S-4	4/6/04 1100	S	2	X							X	X																					
84692	B-8/S-4	4/6/04 1200	S	2	X					X			X																					
84693	B-12/S-1	4/6/04 1400	S	2	X							X	X						X															
Relinquished by: <u>[Signature]</u>					Date: <u>4/6/04</u>					Received by: <u>[Signature]</u>					Notes: <u>> BDFP on cold point</u> Temperature _____ °C																			
Relinquished by:					Date:					Received by:																								
Relinquished by:					Date:					Received by:																								



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P.O. Box 186

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05-24-2004, 10:34

Ms. Martha Doelle
ARC Environmental Consultants
P.O. Box 116
Gilmanton I.W., N.H. 03837-0116

Dear Ms. Doelle:

Please find enclosed the reports, and invoice for the samples that were logged in on, 05-05-2004.

AAI	Date		
Sample	Sampled	Project Description	Sample Location
85880	05-05-2004	L.W. PACKARD	PAPERMILL-2
85881	05-05-2004	L.W. PACKARD	CONF.

To perform these analyses, the following methods were used:

QTY. EPA Methodologies/Applications

- 1 Acid-Base-Neutral EPA-8270/625
- 1 Soil Digestion EPA-3051A
- 7 Metals analysis (excluding mercury)
- 1 Mercury analysis
- 1 PCB Only (Soil/Water)
- 1 Reactivity
- 1 Flash point EPA-1010
- 1 TPH only Soil fuel oil Mod. EPA-8100

Thank you for using Aquarian Analytical Inc. on this project.
If I can be of any further help, please feel free to call.

Sincerely,


William M. Rice
Laboratory Director
Total Pages = 11

doc. # L20616



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05-24-2004,10:34

As part of Aquarian's ongoing quality assurance program, all analyses included the following quality assurance measures.

Samples were received in an acceptable condition.

Samples were prepared and analyzed within the appropriate hold time specified in the method referred to on the analyses sheet.

The instrument that was used for the analyses was calibrated and/or tuned at the required frequency.

A daily calibration check was performed.

A daily blank was run, and contamination was not observed at levels that would affect the analyses.

For all work, internal standards, and surrogates gave appropriate response levels.

Matrix spikes were added where appropriate, and recoveries were within the acceptable range.

Duplicates were run at the frequency specified in the applicable state or federal regulations.

In addition to the above steps, all original-raw data is on file at Aquarian Analytical's offices for inspection when required.

Exceptions (if any)

Certification



AQUARIAN ANALYTICAL INC.

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Page 1 of 2

Base Neutral Report

05-24-2004, 10:30

Sample 85880

Date Sampled = 05-05-2004 Sampler = M. DOELLE
Date Logged In = 05-05-2004, 14:05 Location = PAPERMILL-2
Analysis Date = 05-12-2004 Town = ASHLAND
Extraction Date = 05-06-2004 Matrix = Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Naphthalene, 2-chloro	BD	2.400
Ether, bis (2-chloroethyl)	BD	2.400
Ether, bis (2-chloroisopropyl)	BD	2.400
Ether, 2-chloroethyl vinyl	BD	2.400
Ether, 4-bromophenyl phenyl	BD	2.400
Ether, 4-chlorophenyl phenyl	BD	2.400
Methane, bis (2-chloroethoxy)	BD	2.400
Benzene, nitro	BD	2.400
Toluene, 2,4-dinitro	BD	2.400
Toluene, 2,6-dinitro	BD	2.400
Phthalate, dimethyl	BD	2.400
Phthalate, diethyl	BD	9.600
Phthalate, di-n-octyl	BD	7.200
Phthalate, bis (2-ethylhexyl)	BD	7.200
Phthalate, butyl benzyl	BD	2.400
Acenaphthene	BD	2.400
Acenaphthylene	BD	2.400
Anthracene	BD	2.400
Benzo (a) anthracene	BD	2.400
Benzo (b) fluoranthene	BD	2.400
Benzo (k) fluoranthene	BD	2.400
Benzo (ghi) perylene	BD	2.400
Benzo (a) pyrene	BD	2.400
Chrysene	2.400	2.400
Dibenzo (a,h) anthracene	BD	2.400
Fluoranthene	BD	2.400
Fluorene	BD	2.400
Benzene, hexachloro	BD	2.400
Indeno (1,2,3-cd) pyrene	BD	2.400
Naphthalene	BD	2.400
Phenanthrene	BD	2.400
Pyrene	BD	2.400
Nitrosamine, dimethyl - (DMN)	BD	2.400
Nitrosamine, diphenyl-	BD	2.400
Nitrosamine, di-n-propyl-	BD	2.400
Ethane, hexachloro	BD	2.400
Benzoic Acid	BD	9.600
Pyridine	BD	2.400
Phthlate, di-n-butyl	BD	14.400
Hexachloroethane	BD	2.400
2-Methylnaphthalene	BD	2.400
1-Methylnaphthalene	BD	2.400
4-Chloroaniline	BD	9.600

Comments:

BD = Below Detection Limit

Method of Analyses = EPA-8270.

All Results are in parts per million (ppm), except as noted.



AQUARIAN ANALYTICAL INC.

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Canterbury, N.H. 03224

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Page 2 of 2

Acid Fraction Report
05-24-2004, 10:31
Sample 85880

Date Sampled = 05-05-2004 Sampler = M. DOELLE
Date Logged In = 05-05-2004, 14:05 Location = PAPERMILL-2
Analysis Date = 05-12-2004 Town = ASHLAND
Extraction Date = 05-06-2004 Matrix = Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Phenol, 4-chloro-3-methyl	BD	24.000
Cresol, (meta & para)	BD	24.000
Cresol, ortho	BD	24.000
Phenol	BD	24.000
Phenol, 2-chloro-	BD	24.000
Phenol, 2,4 dichloro-	BD	24.000
Phenol, 2,4,6 trichloro-	BD	24.000
Phenol, pentachloro-	BD	24.000
Phenol, 2 nitro-	BD	24.000
Phenol, 4 nitro-	BD	96.000
Phenol, 2,4 dinitro-	BD	96.000
Phenol, 2,4 dimethyl-	BD	72.000
Cresol, 4,6 dinitro-o-	BD	96.000

Comments:

BD = Below Detection Limit

Method of Analyses = EPA-8270, All Results are in parts per million (ppm), except as noted.



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Total RCRA Metals

05-24-2004, 10:31

Sample 85880

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 05-05-2004 Sampler = M. DOELLE

Date Logged In = 05-05-2004, 14:05 Location = PAPERMILL-2

Date of Analysis = 05-10-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	4.000	1.000
Barium	6020	110.000	2.000
Cadmium	6020	BD	1.000
Chromium	6020	13.000	1.000
Lead	6020	430.000	1.000
Mercury	6020	3.300	0.200
Selenium	6020	BD	2.000
Silver	6020	BD	2.000

Comments:

Results expressed in milligrams/kilogram, (ppm)



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PCB Report

05-24-2004, 10:31

Sample 85880

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 05-05-2004 Sampler = M. DOELLE
Login Date = 05-05-2004, 14:05 Location = PAPERMILL-2
Date of Analysis = 05-18-2004 Town = ASHLAND

Organic Compound	Result (ppm)	Det. Lim. (ppm)
PCB 1016	BD	0.50
PCB 1221	BD	0.50
PCB 1232	BD	0.50
PCB 1242	BD	0.50
PCB 1248	1.70	0.50
PCB 1254	BD	0.50
PCB 1260	BD	0.50

Comments:

BD = Below Detection Limit
Method of Analyses = EPA-8082

doc. pcb



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Miscellaenous Tests

05-24-2004, 10:32

Sample 85880

Sample Matrix = Soil/Solid
Date Sampled = 05-05-2004 Sampler = M. DOELLE
Date Logged In = 05-05-2004, 14:05 Location = PAPERMILL-2
Date Sulfide = 05-20-2004 Town = ASHLAND
Date Cyanide = 05-20-2004

Type of Test	EPA Method	Result	Det. Lim./units	
Reactive Sulfide SW-846	7.3.4.1	BD	110.00	mg/kg
Reactive Cyanide SW-846	7.3.3.2	BD	80.00	mg/kg

Comments:

BD = Below Detection



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Flash Point Report

05-24-2004, 10:32
Sample 85880

Date Sampled = 05-05-2004
Date Logged In = 05-05-2004, 14:05
Date Completed = 05-07-2004
Person Sampling = M. DOELLE
Location = PAPERMILL-2

Test Description		Result	
Flash Point, degrees F. EPA-1010	>	165	Degrees Fahrenheit

Comments:



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TPH only Report

05-24-2004, 10:32
Sample 85881

Project = L.W. PACKARD

Date Sampled = 05-05-2004

Date Logged In = 05-05-2004, 14:06

Date Analyzed = 05-06-2004

Person Sampling = M. DOELLE

Location = CONF.

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	6300	10
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	88.50	results are in percent, %

Comments:

BD = Below Detection Limit



Aquarian Analytica, Inc.

Laboratory Services

153 West Road
Canterbury, NH 03224
Phone:(603)783-9097
Fax:(603)783-0360
www.aquarianlab.com

Turnaround Requirements (check one)					Project Information																														
RUSH SAMPLES NEED PRIOR APPROVAL ☐ Same day turnaround (150% upcharge) ☐ 24 hour turnaround (100% upcharge) ☐ 48 hour turnaround (50% upcharge) ☐ 72 hour turnaround (25% upcharge) ☒ Normal turnaround					Project #: Project Name: LW Packard Town/Site: Ashland NH Sampler: mm Doelle Company: ARC Environ. Account #: 61670										Project Manager: mm Doelle Report to: Gary A. Invoice to: Phone: Fax:																				
Sample Information					VOC's-SVOC's					Additional			Metals			Other (list)																			
AAI ID#	Sample ID	Date/Time	Sample Matrix	Number of Containers	EPA 524.2 Drinking Water	EPA 8260 / EPA 8260B	EPA 8240 / EPA 624	BTEX / MTBE	BTEX+MTBE+Naphthalene	Chlorinated only	EPA 8270 A-B/N	EPA 8270 PAH	EPA 8015M Gasoline	EPA 8100M Fuel Oil	N.H. Petroleum Short List	N.H. Haz. Waste Short List	Fingerprint	13 Priority Pollutants	RCRA 8 TOTAL	TCLP:	Field Filtered:	Lab Filtered:	Total:	EPA 608 PCBs	EPA 8081 Pesticide	EPA 8150 Herbicides	EPA SW846-7 Reactivity	EPA 1010 Flashpoint / Ignitability	EPA 150.1 / 9045 pH	Alkalinity	Methane	EPA 300.0 Nitrate	EPA 300.0 Sulfate	EPA 300.0 Chloride	
05880	Papernmill-2	5/5/04	CS	2																															
05881	Conf.	5/5/04	CS	1																															
Relinquished by: <i>[Signature]</i>					Date: 5/5/04					Received by: <i>[Signature]</i>					Notes:																				
Relinquished by:					Date:					Received by:																									
Relinquished by:					Date:					Received by:					Temperature 8.5 EDFF on ice °C																				



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07-06-2004, 12:53

Ms. Martha Doelle
ARC Environmental Consultants
P.O. Box 116
Gilmanton I.W., N.H. 03837-0116

Dear Ms. Doelle:

Please find enclosed the reports, and invoice for the samples that were logged in on, 06-22-2004.

AAI Sample	Date Sampled	Project Description	Sample Location
87002	06-21-2004	L.W. PACKARD	B-13/S-4
87003	06-21-2004	L.W. PACKARD	B-14/S-3
87004	06-21-2004	L.W. PACKARD	B-15/S-4
87005	06-21-2004	L.W. PACKARD	B-16/S-4
87006	06-21-2004	L.W. PACKARD	PSL/B-1
87007	06-21-2004	L.W. PACKARD	PSL/B-2
87008	06-21-2004	L.W. PACKARD	PM/B-1
87009	06-21-2004	L.W. PACKARD	PM/B-2
87010	06-21-2004	L.W. PACKARD	B-17/S-4
87011	06-21-2004	L.W. PACKARD	B-18/S-1
87012	06-21-2004	L.W. PACKARD	B-19/S-3
87013	06-21-2004	L.W. PACKARD	B-20/S-2
87014	06-21-2004	L.W. PACKARD	PM-CONF 2
87015	06-21-2004	L.W. PACKARD	PM-BASE

To perform these analyses, the following methods were used:

QTY. EPA Methodologies/Applications

10	Soil Digestion EPA-3051A
48	Metals analysis (excluding mercury)
6	Mercury analysis
8	EPA-625/8270 PAH only
7	TPH only Soil fuel oil Mod. EPA-8100
6	PCB Only (Soil/Water)

Thank you for using Aquarian Analytical Inc. on this project.
If I can be of any further help, please feel free to call.

Sincerely,


William M. Rice

Laboratory Director

Total Pages = 34

doc. # L20866



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07-06-2004,12:54

As part of Aquarian's ongoing quality assurance program, all analyses included the following quality assurance measures.

Samples were received in an acceptable condition.

Samples were prepared and analyzed within the appropriate hold time specified in the method referred to on the analyses sheet.

The instrument that was used for the analyses was calibrated and/or tuned at the required frequency.

A daily calibration check was performed.

A daily blank was run, and contamination was not observed at levels that would affect the analyses.

For all work, internal standards, and surrogates gave appropriate response levels.

Matrix spikes were added where appropriate, and recoveries were within the acceptable range.

Duplicates were run at the frequency specified in the applicable state or federal regulations.

In addition to the above steps, all original-raw data is on file at Aquarian Analytical's offices for inspection when required.

Exceptions (if any)



Certification



AQUARIAN ANALYTICAL INC.

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Ph. 603-783-9097 • Fax 603-783-0360

Total Arsenic

07-06-2004,12:0

Sample 87002

Sample Matrix = Soil

Project = L.W. PACKARD

Date Sampled = 06-21-2004,09:00 Sampler = DOELLE/AMBELAS

Date Logged In = 06-22-2004,12:24 Location = B-13/S-4

Date Completed = 06-24-2004 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	1.4000	0.5000

Comments:

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



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Total Arsenic

07-06-2004, 12:0

Sample 87003

Sample Matrix = Soil

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 09:30 Sampler = DOELLE/AMBELAS

Date Logged In = 06-22-2004, 12:25 Location = B-14/S-3

Date Completed = 06-24-2004 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	1.5000	0.5000

Comments:

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



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Total Arsenic

07-06-2004,12:0

Sample 87004

Sample Matrix = Soil

Project = L.W. PACKARD

Date Sampled = 06-21-2004,11:00 Sampler = DOELLE/AMBELAS

Date Logged In = 06-22-2004,12:25 Location = B-15/S-4

Date Completed = 06-24-2004 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	3.8000	0.5000

Comments:

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



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Total Arsenic

07-06-2004,12:0

Sample 87005

Sample Matrix = Soil

Project = L.W. PACKARD

Date Sampled = 06-21-2004,12:00 Sampler = DOELLE/AMBELAS

Date Logged In = 06-22-2004,12:25 Location = B-16/S-4

Date Completed = 06-24-2004 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	87.0000	0.5000

Comments:

Internal standard exceeds limits for calibration check.

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



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Total Arsenic

07-06-2004, 12:0

Sample 87006

Sample Matrix = Soil

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 10:00 Sampler = DOELLE/AMBELAS

Date Logged In = 06-22-2004, 12:26 Location = PSL/B-1

Date Completed = 06-24-2004 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	3.9000	0.5000

Comments:

Internal standard exceeds limits for calibration check.

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



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Total Arsenic

07-06-2004,12:0

Sample 87007

Sample Matrix = Soil

Project = L.W. PACKARD

Date Sampled = 06-21-2004,10:20 Sampler = DOELLE/AMBELAS

Date Logged In = 06-22-2004,12:26 Location = PSL/B-2

Date Completed = 06-24-2004 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	2.9000	0.5000

Comments:

Internal standard exceeds limits for calibration check.

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



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Total RCRA Metals

07-06-2004,12:08

Sample 87008

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004,10:50 Sampler = DOELLE/AMBELAS
Date Logged In = 06-22-2004,12:26 Location = PM/B-1
Date of Analysis = 06-24-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	2.500	0.500
Barium	6020	82.000	1.000
Cadmium	6020	BD	0.500
Chromium	6020	7.400	0.500
Lead	6020	35.000	0.500
Mercury	6020	0.200	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

TPH was performed with motor oil as the standard.

Internal standard exceeds limits for calibration check, metals.

Results expressed in milligrams/kilogram, (ppm)



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Total RCRA Metals

07-06-2004,12:08

Sample 87009

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004,11:00 Sampler = DOELLE/AMBELAS
Date Logged In = 06-22-2004,12:27 Location = PM/B-2
Date of Analysis = 06-25-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	3.000	1.000
Barium	6020	30.000	1.000
Cadmium	6020	BD	1.000
Chromium	6020	9.000	1.000
Lead	6020	110.000	1.000
Mercury	6020	0.200	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

TPH was performed with motor oil as the standard.

Results expressed in milligrams/kilogram, (ppm)



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Total RCRA Metals

07-06-2004,12:08

Sample 87012

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 06-21-2004,15:00 Sampler = DOELLE/AMBELAS

Date Logged In = 06-22-2004,12:29 Location = B-19/S-3

Date of Analysis = 06-25-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	4.000	1.000
Barium	6020	28.000	1.000
Cadmium	6020	BD	1.000
Chromium	6020	11.000	1.000
Lead	6020	9.000	1.000
Mercury	6020	BD	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

TPH was performed with #2 fuel oil as the standard.

Results expressed in milligrams/kilogram, (ppm)



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Total RCRA Metals

07-06-2004, 12:08

Sample 87013

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004, 15:30 Sampler = DOELLE/AMBELAS
Date Logged In = 06-22-2004, 12:31 Location = B-20/S-2
Date of Analysis = 06-25-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	6.000	1.000
Barium	6020	43.000	1.000
Cadmium	6020	BD	1.000
Chromium	6020	9.000	1.000
Lead	6020	120.000	1.000
Mercury	6020	0.100	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

TPH was performed with #6 fuel oil as the standard.

Results expressed in milligrams/kilogram, (ppm)



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PCB Report

07-06-2004, 12:09

Sample 87008

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004, 10:50 Sampler = DOELLE/AMBELAS
Login Date = 06-22-2004, 12:26 Location = PM/B-1
Date of Analysis = 06-24-2004 Town = ASHLAND

Organic Compound	Result (ppm)	Det. Lim. (ppm)
PCB 1016	BD	0.50
PCB 1221	BD	0.50
PCB 1232	BD	0.50
PCB 1242	BD	0.50
PCB 1248	BD	0.50
PCB 1254	BD	0.50
PCB 1260	BD	0.50

Comments:

BD = Below Detection Limit
Method of Analyses = EPA-8082

doc. pcb



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PCB Report

07-06-2004, 12:09

Sample 87009

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004, 11:00 Sampler = DOELLE/AMBELAS
Login Date = 06-22-2004, 12:27 Location = PM/B-2
Date of Analysis = 06-24-2004 Town = ASHLAND

Organic Compound	Result (ppm)	Det. Lim. (ppm)
PCB 1016	BD	0.50
PCB 1221	BD	0.50
PCB 1232	BD	0.50
PCB 1242	BD	0.50
PCB 1248	BD	0.50
PCB 1254	BD	0.50
PCB 1260	BD	0.50

Comments:

BD = Below Detection Limit
Method of Analyses = EPA-8082

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PCB Report

07-06-2004, 12:09

Sample 87012

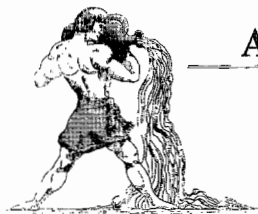
Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004, 15:00 Sampler = DOELLE/AMBELAS
Login Date = 06-22-2004, 12:29 Location = B-19/S-3
Date of Analysis = 06-24-2004 Town = ASHLAND

Organic Compound	Result (ppm)	Det. Lim. (ppm)
PCB 1016	BD	0.50
PCB 1221	BD	0.50
PCB 1232	BD	0.50
PCB 1242	BD	0.50
PCB 1248	BD	0.50
PCB 1254	BD	0.50
PCB 1260	BD	0.50

Comments:

BD = Below Detection Limit
Method of Analyses = EPA-8082

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PCB Report

07-06-2004, 12:09

Sample 87013

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004, 15:30 Sampler = DOELLE/AMBELAS
Login Date = 06-22-2004, 12:31 Location = B-20/S-2
Date of Analysis = 07-02-2004 Town = ASHLAND

Organic Compound	Result (ppm)	Det. Lim. (ppm)
PCB 1016	BD	0.50
PCB 1221	BD	0.50
PCB 1232	BD	0.50
PCB 1242	BD	0.50
PCB 1248	0.66	0.50
PCB 1254	BD	0.50
PCB 1260	BD	0.50

Comments:

BD = Below Detection Limit
Method of Analyses = EPA-8082

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Canterbury, N.H. 03224

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Poly Aromatic Hydrocarbon Report

07-06-2004, 16:17

Sample 87008

Date Sampled	06-21-2004, 10:50	Sampler	DOELLE/AMBELAS
Date Logged In	06-22-2004, 12:26	Location	PM/B-1
Analysis Date	06-24-2004	Town	ASHLAND
Extraction Date	06-24-2004	Matrix	Soil/Solid
% Solids	90.08 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	0.40
Acenaphthylene	BD	0.40
Anthracene	BD	0.40
Benzo (a) anthracene	BD	0.40
Benzo (b) fluoranthene	BD	0.40
Benzo (k) fluoranthene	BD	0.40
Benzo (ghi) perylene	BD	0.40
Benzo (a) pyrene	BD	0.40
Chrysene	0.40	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	0.76	0.40
Fluorene	BD	0.40
Indeno (1,2,3-cd) pyrene	BD	0.40
Naphthalene	BD	0.40
Phenanthrene	BD	0.40
Pyrene	0.67	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Poly Aromatic Hydrocarbon Report

07-06-2004, 12:06

Sample 87009

Date Sampled	06-21-2004, 11:00	Sampler	DOELLE/AMBELAS
Date Logged In	06-22-2004, 12:27	Location	PM/B-2
Analysis Date	06-24-2004	Town	ASHLAND
Extraction Date	06-24-2004	Matrix	Soil/Solid
% Solids	93.61 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	1.20
Acenaphthylene	BD	1.20
Anthracene	BD	1.20
Benzo (a) anthracene	BD	1.20
Benzo (b) fluoranthene	BD	1.20
Benzo (k) fluoranthene	BD	1.20
Benzo (ghi) perylene	BD	1.20
Benzo (a) pyrene	BD	1.20
Chrysene	BD	1.20
Dibenzo (a,h) anthracene	BD	1.20
Fluoranthene	2.50	1.20
Fluorene	BD	1.20
Indeno (1,2,3-cd) pyrene	BD	1.20
Naphthalene	BD	1.20
Phenanthrene	1.50	1.20
Pyrene	2.10	1.20
2-Methylnaphthalene	BD	1.20
1-Methylnaphthalene	BD	1.20

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Poly Aromatic Hydrocarbon Report

07-06-2004, 12:06

Sample 87010

Date Sampled	06-21-2004, 14:30	Sampler	DOELLE/AMBELAS
Date Logged In	06-22-2004, 12:28	Location	B-17/S-4
Analysis Date	06-25-2004	Town	ASHLAND
Extraction Date	06-25-2004	Matrix	Soil/Solid
% Solids	82.69 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	0.40
Acenaphthylene	BD	0.40
Anthracene	BD	0.40
Benzo (a) anthracene	BD	0.40
Benzo (b) fluoranthene	BD	0.40
Benzo (k) fluoranthene	BD	0.40
Benzo (ghi) perylene	BD	0.40
Benzo (a) pyrene	BD	0.40
Chrysene	BD	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	BD	0.40
Fluorene	BD	0.40
Indeno (1,2,3-cd) pyrene	BD	0.40
Naphthalene	BD	0.40
Phenanthrene	BD	0.40
Pyrene	BD	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Poly Aromatic Hydrocarbon Report

07-06-2004, 12:06

Sample 87011

Date Sampled	06-21-2004, 14:45	Sampler	DOELLIE/AMBELAS
Date Logged In	06-22-2004, 12:28	Location	B-18/S-1
Analysis Date	06-25-2004	Town	ASHLAND
Extraction Date	06-25-2004	Matrix	Soil/Solid
% Solids	90.27 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	0.40
Acenaphthylene	BD	0.40
Anthracene	BD	0.40
Benzo (a) anthracene	0.58	0.40
Benzo (b) fluoranthene	0.61	0.40
Benzo (k) fluoranthene	0.48	0.40
Benzo (ghi) perylene	BD	0.40
Benzo (a) pyrene	0.63	0.40
Chrysene	0.67	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	0.99	0.40
Fluorene	BD	0.40
Indeno (1,2,3-cd) pyrene	0.49	0.40
Naphthalene	BD	0.40
Phenanthrene	0.44	0.40
Pyrene	0.96	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



AQUARIAN ANALYTICAL INC.

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P.O. Box 186

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Poly Aromatic Hydrocarbon Report

07-06-2004, 12:06

Sample 87012

Date Sampled	06-21-2004, 15:00	Sampler	DOELLE/AMBELAS
Date Logged In	06-22-2004, 12:29	Location	B-19/S-3
Analysis Date	06-25-2004	Town	ASHLAND
Extraction Date	06-25-2004	Matrix	Soil/Solid
% Solids	90.38 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	0.40
Acenaphthylene	BD	0.40
Anthracene	BD	0.40
Benzo (a) anthracene	BD	0.40
Benzo (b) fluoranthene	BD	0.40
Benzo (k) fluoranthene	BD	0.40
Benzo (ghi) perylene	BD	0.40
Benzo (a) pyrene	BD	0.40
Chrysene	BD	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	BD	0.40
Fluorene	BD	0.40
Indeno (1,2,3-cd) pyrene	BD	0.40
Naphthalene	BD	0.40
Phenanthrene	BD	0.40
Pyrene	BD	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



AQUARIAN ANALYTICAL INC.

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Poly Aromatic Hydrocarbon Report

07-06-2004, 12:06

Sample 87013

Date Sampled	06-21-2004, 15:30	Sampler	DOELLE/AMBELAS
Date Logged In	06-22-2004, 12:31	Location	B-20/S-2
Analysis Date	06-25-2004	Town	ASHLAND
Extraction Date	06-25-2004	Matrix	Soil/Solid
% Solids	77.92 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	0.58	0.40
Acenaphthylene	BD	0.40
Anthracene	1.90	0.40
Benzo (a) anthracene	3.00	0.40
Benzo (b) fluoranthene	4.10	0.40
Benzo (k) fluoranthene	4.10	0.40
Benzo (ghi) perylene	1.20	0.40
Benzo (a) pyrene	2.60	0.40
Chrysene	3.10	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	7.20	0.40
Fluorene	0.74	0.40
Indeno (1,2,3-cd) pyrene	1.70	0.40
Naphthalene	0.48	0.40
Phenanthrene	6.90	0.40
Pyrene	5.80	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Laboratory Services

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TPH only Report

07-06-2004, 12:07

Sample 87008

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 10:50

Date Logged In = 06-22-2004, 12:26

Date Analyzed = 06-23-2004

Person Sampling = DOELLE/AMBELAS

Location = PM/B-1

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	360	10
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	90.08	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

Internal standard exceeds limits for calibration check, metals.

BD = Below Detection Limit



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TPH only Report

07-06-2004, 12:07
Sample 87009

Project = L.W. PACKARD
Date Sampled = 06-21-2004, 11:00
Date Logged In = 06-22-2004, 12:27
Date Analyzed = 06-23-2004
Person Sampling = DOELLE/AMBELAS
Location = PM/B-2
Town = ASHLAND
Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	260	40
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	93.61	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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TPH only Report

07-06-2004, 12:07
Sample 87010

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 14:30

Date Logged In = 06-22-2004, 12:28

Date Analyzed = 06-23-2004

Person Sampling = DOELLE/AMBELAS

Location = B-17/S-4

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	BD	10
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	82.69	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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TPH only Report

07-06-2004, 12:07
Sample 87011

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 14:45

Date Logged In = 06-22-2004, 12:28

Date Analyzed = 06-23-2004

Person Sampling = DOELLE/AMBELAS

Location = B-18/S-1

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	BD	10
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	90.27	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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TPH only Report

07-06-2004, 12:07
Sample 87012

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 15:00

Date Logged In = 06-22-2004, 12:29

Date Analyzed = 06-24-2004

Person Sampling = DOELLE/AMBELAS

Location = B-19/S-3

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	190	40
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	90.38	results are in percent, %

Comments:

TPH was performed with #2 fuel oil as the standard.

BD = Below Detection Limit



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TPH only Report

07-06-2004, 12:07
Sample 87013

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 15:30

Date Logged In = 06-22-2004, 12:31

Date Analyzed = 06-24-2004

Person Sampling = DOELLE/AMBELAS

Location = B-20/S-2

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	190	30
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	77.92	results are in percent, %

Comments:

TPH was performed with #6 fuel oil as the standard.

BD = Below Detection Limit



Aquarian Analytical, Inc.

Laboratory Services

153 West Road
Canterbury, NH 03224
Phone: (603) 783-9097
Fax: (603) 783-0360
www.aquarianlab.com

Turnaround Requirements (check one)				Project Information																														
☐ RUSH SAMPLES NEED PRIOR APPROVAL ☐ Same day turnaround (150% upcharge) ☐ 24 hour turnaround (100% upcharge) ☐ 48 hour turnaround (50% upcharge) ☐ 72 hour turnaround (25% upcharge) ☒ Normal turnaround				Project #: Project Name: <u>LW Packard</u> Town/Site: <u>Ashland NH</u> Sampler: <u>mm Doelle / G. Ambela</u> Company: <u>ARC Environmental</u> Account #: <u>61070</u>										Project Manager: <u>mm Doelle</u> Report to: <u>Gary Ambela</u> Invoice to: <u>G</u> Phone: Fax:																				
Sample Information				VOC's SVOC's				Additional				Metals				Other (list)																		
AAI ID#	Sample ID	Date/Time	Sample Matrix	Number of Containers	EPA 524.2 Drinking Water	EPA 8260 / EPA 8260B	EPA 8240 / EPA 624	BTEX / MTBE	BTEX+MTBE+Naphthalene	Chlorinated only	EPA 8270 A-B/N	EPA 8270 PAH	EPA 8015M Gasoline	EPA 8100M Fuel Oil	N.H. Petroleum Short List	N.H. Haz. Waste Short List	Fingerprint	13 Priority Pollutants	RCRA 8	TCLP:	Field Filtered:	Lab Filtered:	Total: <u>ARSENIC</u>	EPA 608 PCBs	EPA 8081 Pesticide	EPA 8150 Herbicides	EPA SW846-7 Reactivity	EPA 1010 Flashpoint / Ignitability	EPA 150.1 / 9045 pH	Alkalinity	Methane	EPA 300.0 Nitrate	EPA 300.0 Sulfate	EPA 300.0 Chloride
87002	B-13/S-4	6/21/04 11:00	S	1																			X											
87003	B-14/S-3	6/21/04 11:00	S	1																			X											
87004	B-15/S-4	6/21/04 11:00	S	1																			X											
87005	B-16/S-4	6/21/04 12:00	S	1																			X											
87006	PSL/B-1	6/21/04 10:00	S	1																			X											
87007	PSL/B-2	6/21/04 10:20	S	1																			X											
87008	PM/B-1	6/21/04 10:50	S	2							X			X						X				X										
87009	PM/B-2	6/21/04 11:00	S	2							X			X						X				X										
87010	B-17/S-4	6/21/04 11:00	S	1							X			X																				
87011	B-18/S-1	6/21/04 11:00	S	1							X			X																				
Inquished by: <u>[Signature]</u>				Date: <u>6/21/04</u>				Received by: <u>[Signature]</u>				Notes:																						
Inquished by:				Date: <u>1700</u>				Received by:																										
Inquished by:				Date:				Received by:																										
Inquished by:				Date:				Received by:																										

Sample Receipt Conditions & Client Conversations

AAI #s 87002 - 87015 Date 6-21-04 ~~6-22-04~~ Time 1700

Client ARC Contact Martha Delle

Project LW Pachard

Sample received at 11 °C BDFP

Discrepancy _____

Resolution _____

Changes _____



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

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TPH only Report

07-06-2004, 12:07
Sample 87015

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 16:15

Date Logged In = 06-22-2004, 12:34

Date Analyzed = 06-24-2004

Person Sampling = DOELLE/AMBELAS

Location = PM-BASE

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	1000	30
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	93.85	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



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Poly Aromatic Hydrocarbon Report

07-06-2004, 12:06

Sample 87015

Date Sampled	06-21-2004, 16:15	Sampler	DOELLE/AMBELAS
Date Logged In	06-22-2004, 12:34	Location	PM-BASE
Analysis Date	07-02-2004	Town	ASHLAND
Extraction Date	06-29-2004	Matrix	Soil/Solid
% Solids	93.85 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	0.40
Acenaphthylene	BD	0.40
Anthracene	BD	0.40
Benzo (a) anthracene	BD	0.40
Benzo (b) fluoranthene	BD	0.40
Benzo (k) fluoranthene	BD	0.40
Benzo (ghi) perylene	BD	0.40
Benzo (a) pyrene	BD	0.40
Chrysene	BD	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	0.45	0.40
Fluorene	BD	0.40
Indeno (1,2,3-cd) pyrene	BD	0.40
Naphthalene	BD	0.40
Phenanthrene	BD	0.40
Pyrene	0.49	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Total RCRA Metals

07-06-2004,12:09

Sample 87015

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004,16:15 Sampler = DOELLE/AMBELAS
Date Logged In = 06-22-2004,12:34 Location = PM-BASE
Date of Analysis = 06-25-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	4.000	1.000
Barium	6020	41.000	1.000
Cadmium	6020	BD	1.000
Chromium	6020	12.000	1.000
Lead	6020	49.000	1.000
Mercury	6020	0.700	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

TPH was performed with motor oil as the standard.

Results expressed in milligrams/kilogram, (ppm)



AQUARIAN ANALYTICAL INC.

Laboratory Services

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PCB Report

07-06-2004, 12:10

Sample 87015

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004, 16:15 Sampler = DOELLE/AMBELAS
Login Date = 06-22-2004, 12:34 Location = PM-BASE
Date of Analysis = 06-24-2004 Town = ASHLAND

Organic Compound	Result (ppm)	Det. Lim. (ppm)
PCB 1016	BD	0.50
PCB 1221	BD	0.50
PCB 1232	BD	0.50
PCB 1242	BD	0.50
PCB 1248	BD	0.50
PCB 1254	BD	0.50
PCB 1260	BD	0.50

Comments:

BD = Below Detection Limit
Method of Analyses = EPA-8082

doc. pcb



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

TPH only Report

07-06-2004, 16:18

Sample 87014

Project = L.W. PACKARD

Date Sampled = 06-21-2004, 16:00

Date Logged In = 06-22-2004, 12:33

Date Analyzed = 07-06-2004

Person Sampling = DOELLE/AMBELAS

Location = PM-CONF 2

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	14000	10
Method = modified EPA 8100/8015B FID		TPH results are expressed in parts per million (ppm)
Percent Solids	94.94	results are in percent, %

Comments:

TPH was performed with motor oil as the standard.

BD = Below Detection Limit



AQUARIAN ANALYTICAL INC.

Laboratory Services

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Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Poly Aromatic Hydrocarbon Report

07-06-2004, 12:06

Sample 87014

Date Sampled	06-21-2004, 16:00	Sampler	DOELLE/AMBELAS
Date Logged In	06-22-2004, 12:33	Location	PM-CONF 2
Analysis Date	07-02-2004	Town	ASHLAND
Extraction Date	06-29-2004	Matrix	Soil/Solid
% Solids	94.94 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	1.00
Acenaphthylene	BD	1.00
Anthracene	BD	1.00
Benzo (a) anthracene	BD	1.00
Benzo (b) fluoranthene	BD	1.00
Benzo (k) fluoranthene	BD	1.00
Benzo (ghi) perylene	BD	1.00
Benzo (a) pyrene	BD	1.00
Chrysene	BD	1.00
Dibenzo (a,h) anthracene	BD	1.00
Fluoranthene	1.20	1.00
Fluorene	BD	1.00
Indeno (1,2,3-cd) pyrene	BD	1.00
Naphthalene	BD	1.00
Phenanthrene	1.10	1.00
Pyrene	1.10	1.00
2-Methylnaphthalene	BD	1.00
1-Methylnaphthalene	BD	1.00

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



AQUARIAN ANALYTICAL INC.

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PCB Report

07-06-2004,12:09

Sample 87014

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 06-21-2004,16:00 Sampler = DOELLE/AMBELAS
Login Date = 06-22-2004,12:33 Location = PM-CONF 2
Date of Analysis = 07-02-2004 Town = ASHLAND

Organic Compound	Result (ppm)	Det. Lim. (ppm)
PCB 1016	BD	0.50
PCB 1221	BD	0.50
PCB 1232	BD	0.50
PCB 1242	BD	0.50
PCB 1248	BD	0.50
PCB 1254	BD	0.50
PCB 1260	BD	0.50

Comments:

BD = Below Detection Limit
Method of Analyses = EPA-8082

doc. pcb



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Total RCRA Metals

07-06-2004,12:08

Sample 87014

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 06-21-2004,16:00 Sampler = DOELLE/AMBELAS

Date Logged In = 06-22-2004,12:33 Location = PM-CONF 2

Date of Analysis = 06-25-2004 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	3.000	1.000
Barium	6020	34.000	1.000
Cadmium	6020	BD	1.000
Chromium	6020	11.000	1.000
Lead	6020	77.000	1.000
Mercury	6020	0.700	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

TPH was performed with motor oil as the standard.

Results expressed in milligrams/kilogram, (ppm)



Aquarian Analytical, Inc.

Laboratory Services

153 West Road
Carterbury, NH 03224
Phone: (603) 783-9097
Fax: (603) 783-0360
www.aquarianlab.com

Turnaround Requirements (check one)					Project Information																														
RUSH SAMPLES NEED PRIOR APPROVAL ☐ Same day turnaround (150% upcharge) ☐ 24 hour turnaround (100% upcharge) ☐ 48 hour turnaround (50% upcharge) ☐ 72 hour turnaround (25% upcharge) ☒ Normal turnaround					Project #: Project Name: <i>LW Packard</i> Town/Site: <i>Ashland NH</i> Sampler: <i>mm Deere</i> Company: <i>ARC Environmental</i> Account #: <i>61070</i>										Project Manager: <i>mm Doe</i> Report to: <i>Gary Ambelas</i> Invoice to: <i>"</i> Phone: Fax:																				
Sample Information					VOC's-SVOC's					Additional			Metals			Other (list)																			
AAI ID#	Sample ID	Date/Time	Sample Matrix	Number of Containers	EPA 524.2 Drinking Water	EPA 8260 / EPA 8260B	EPA 8240 / EPA 624	BTEX / MTBE	BTEX+MTBE+Naphthalene	Chlorinated only	EPA 8270 A-BIN	EPA 8270 PAH	EPA 8015M Gasoline	EPA 8100M Fuel Oil	N.H. Petroleum Short List	N.H. Haz. Waste Short List	Fingerprint	13 Priority Pollutants	RCRA 8	TCLP:	Field Filtered:	Lab Filtered:	Total:	EPA 608 PCBs	EPA 8081 Pesticide	EPA 8150 Herbicides	EPA SW846-7 Reactivity	EPA 1010 Flashpoint / Ignitability	EPA 150.1 / 9045 pH	Alkalinity	Methane	EPA 300.0 Nitrate	EPA 300.0 Sulfate	EPA 300.0 Chloride	
87012	B-19/S-3	6/21/04 1530	S	2																															
87013	B-20/S-2	6/21/04 1530	S	2																															
87014	PM-CONF 2	6/21/04 1600	S	2																															
87015	PM-Base	6/21/04 1615	S	2																															
Relinquished by: <i>[Signature]</i>					Date: <i>6/21/04</i>					Received by: <i>[Signature]</i>					Notes:																				
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Relinquished by:					Date:					Received by:																									



May 6, 2005

The State of New Hampshire
Department of Environmental Services

Michael P. Nolin
Commissioner



Mr. John Glidden, President
L.W. Packard and Company, Inc.
6 Mill Street
Ashland, New Hampshire 03217

SUBJECT: **ASHLAND** – L.W. Packard and Company, Inc., 6 Mill Street, Soil Sampling and Analysis Report dated March 15, 2005, (DES #200009045)

Dear Mr. Glidden:

The Hazardous Waste Remediation Bureau (HWRB) of the New Hampshire Department of Environmental Services (Department) has reviewed the above referenced "Soil Sampling and Analysis Report" (report) for the L.W. Packard and Company, Inc., Site (site) located at 6 Mill Street in Ashland. The report was prepared by ARC Environmental Consultants, Inc. (ARC) on behalf of L.W. Packard and Company, Inc. (Packard) in connection with an environmental site assessment requested by Packard. The HWRB's comments are provided below.

COMMENTS

1. The Report refers to a "Phase I Environmental Site Assessment" (ESA report) completed by ARC on March 4, 2004. The Department was not provided with a copy of the ESA report. Therefore, the Department cannot assess whether the sampling locations and analytical program were sufficient to characterize environmental conditions at the site. A complete copy of the ESA report including color copies of photographs (if available) should be submitted to the Department before May 30, 2005.
2. The chain of custody form for the samples collected on February 21, 2004 included sediment samples SED-1 and SED-2. The laboratory data sheets for these samples were not provided with the report and the sampling locations were not shown on Figure 2. Please provide the laboratory data sheets and a revised site plan to the Department before June 30, 2005.
3. The specific locations at which soil samples PM Base, PM Conf., PM-Conf 2, Papermill, and Papermill-2 were obtained were not shown on Figure 2. Please submit a plan showing the specific locations to the Department before June 30, 2005.
4. As a stand alone document, the report did not provide a rationale for the specific soil and sediment sampling locations, sampling depths, and the selected subsurface exploration and analytical program. Therefore, the Department cannot assess whether the sampling locations and analytical program were adequate to characterize environmental conditions at the site. Furthermore, the Department's review of Figure 2 and the analytical data indicates that the subsurface exploration program does not appear to have been adequately designed to assess potential site contamination sources.

Specifically, Figure 2 and the report indicate the former presence of a machine shop, a chemical receiving dock, a solvent drum storage area, and a commercial laundry. These activities commonly involve the use and storage of volatile organic compounds (VOCs). Numerous manufacturing machines were also reportedly previously located at places throughout the site buildings. Maintenance of these machines likely involved the use of chlorinated solvents. Additionally, the lubricating oils in these machines could have contained polychlorinated biphenyls (PCBs). The detection of PCBs above the S-1 standard established in the Department's Risk Characterization and Management Policy (RCMP) in soil sample Papermill-2 indicates a release of PCBs at the site. The total petroleum hydrocarbon (TPH) concentrations in the soil samples obtained from this area within the paper mill indicate the PCBs may potentially be linked to the petroleum product present in the site soils.

Based on Figure 2, the direction of groundwater flow at the site is interpreted to most likely be toward the southeast, south, and southwest, in the general direction of the Squam River. Due to the general hit or miss nature of soil sampling, the general industry practice for assessing the potential for releases of contaminants at a manufacturing facility is to install groundwater monitoring wells hydraulically downgradient from potential source areas. No groundwater monitoring wells were installed for the ESA. Furthermore, no soil samples obtained downgradient of the maintenance shop (B-2 and B-15), dye house (B-11), and paper mill (PMB-1, PMB-2, and B-9) were analyzed for VOCs or PCBs. No soil or groundwater samples were obtained and analyzed from locations immediately downgradient from the main manufacturing building or the Bulk Chemical Storage Building.

5. The laboratory data sheets indicate samples Paper Mill, B-1/S-4 (vicinity of boiler house), B-5/S-4 (vicinity of boiler house), B-8/S-4 (vicinity of boiler house), B-12/S-4 (vicinity of boiler house), PM/B-1 (vicinity of paper mill), PM/B-2 (vicinity of paper mill), B-17/S-4 (vicinity of boiler house), B-18/S-4 (vicinity of boiler house), PM-Base (within the paper mill), and PM-Conf 2 (within the paper mill) were analyzed for TPH with motor oil as the standard. Please provide the Department with the rationale for use of the motor oil standard for these soil samples while other samples were analyzed using #2 fuel oil and #6 fuel oil standards.

Specifically, was the choice of the petroleum standard a reflection of ARC's or Aquarian's expectation or interpretation of the petroleum product present or likely to be present? If the petroleum product at these locations is interpreted to be motor oil or lubricating oil, duplicate soil samples from these locations should be analyzed for PCBs and RCRA 8 metals. The apparent distribution of "motor oil/lubricating oil" across the site indicates potential widespread ground surface application of waste oil. Therefore, additional site wide surface soil sampling for TPH, VOCs, polynuclear aromatic hydrocarbons (PAHs), RCRA 8 metals and PCBs and groundwater sampling and analysis for VOCs, PAHs, dissolved metals, and PCBs is required to adequately assess site conditions.

6. Composite soil sample Papermill-2 was prepared from grab samples from drummed soils that had been removed from the interior of the paper mill building. PCBs (1.7 mg/kg) and lead (430 mg/kg) were detected in composite sample Papermill-2 at concentrations that exceeded the S-1 soil standards of 1.0 mg/kg and 400 mg/kg, respectively. However, post-excavation confirmatory soil sample Conf. was not analyzed for PCBs and RCRA 8 metals. TPH was detected in sample Conf. at a concentration of 6,300 mg/kg relative to the S-1 standard of 10,000 mg/kg. The analytical data for sample Conf. indicates that the remaining soils still show impacts from the unidentified petroleum release (potential waste oil) and that compliance with the PCB and lead S-

1 standards has not been demonstrated. Therefore, additional soil sampling and analyses for PCBs and lead is required to determine the vertical and lateral limits of the contaminated soils and to determine whether the soil removal program achieved compliance with the S-1 soil standards. Additionally, it is not clear whether sample Conf. was a composite sample or a discrete sample. The dimensions of the final excavation were not provided in the report so the Department cannot determine whether the confirmatory soil sampling was adequate to demonstrate compliance with the S-1 soil standards. Therefore, additional soil sampling and TPH analysis may be required to demonstrate compliance with the S-1 TPH standard of 10,000 mg/kg.

The Department notes that composite soil sample PM Conf. 2 was reportedly obtained from the same excavation as sample Conf. PCBs were not detected in composite sample PM Conf. 2 and lead was detected in this composite soil sample at a concentration below the S-1 standard. However, the Department concludes that the analytical results for sample PM Conf. 2 are inconclusive because the sample was a composite sample prepared from several discrete samples.

7. PCBs (0.66 mg/kg) were detected in soil sample B-20/S-2 (adjacent to the paper mill building) at a concentration below the S-1 standard of 1 mg/kg. The depth at which this sample was obtained was not provided. However, Table 3 of the report indicates that soil samples were apparently obtained at five foot sampling intervals at most of the test boring locations during the subsurface exploration program. Therefore, the depth range at which soil sample B-20/S-2 was obtained is interpreted to be approximately 5 feet to 10 feet below the ground surface. No test boring logs or data indicating the depth to groundwater were provided with the report. Therefore, the depth to groundwater is interpreted to likely exceed 10 feet. Therefore, the presence of a detectable concentration of PCBs is interpreted to be indicative of a potential surface release of PCBs. Therefore, greater concentrations of PCBs, potentially exceeding the S-1 standard may be present at the ground surface in this area of the site. Additional soil sampling and analysis for TPH, VOCs, RCRA 8 metals, and PCBs is required to assess the significance of the PCB detection in this portion of the site.
8. Various PAHs were detected in soil samples at concentrations above the S-1 soil standards. Some of the soil samples were obtained in test borings where coal, coal cinders, coal and or wood ash, or asphalt were present. The Department does not regulate sites where PAHs and various metals are present in soils at concentrations above the S-1 standards solely due to the presence of coal, coal cinders, coal and wood ash, or asphalt. However, the Department recommends appropriate capping and recordation of a Notice of Activity and Use Restriction (AUR) to manage the potential direct exposure risk associated with these soils. Sufficient information must be submitted to support the claim that the PAHs and metals detected in the soils are present solely due to the presence of coal, coal cinders, coal and wood ash, or asphalt.

The Department does regulate sites where PAHs and metals associated with coal, coal cinders, coal and wood ash, or asphalt are present in the groundwater at concentrations above the applicable groundwater standards.

REQUESTED ACTIONS

The Department requests submittal of a work scope to conduct a site investigation to the Department no later than June 30, 2005. The work scope should include the requisite site investigation work necessary to:

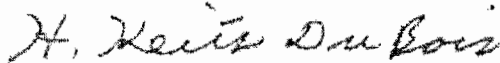
1. Assess the vertical and horizontal limits of all soil contaminants detected at the site at concentrations exceeding the S-1 soil standards, excluding TPH identified as #6 fuel oil and the individual constituents specifically associated with #6 fuel oil. The #6 fuel contamination was already addressed in the Oil Remediation & Compliance Bureau (ORCB) site investigation request dated March 28, 2005.
2. Assess the distribution of motor oil/lubricating oil, RCRA 8 metals, PAHs, and PCBs in the surface soils across the site.
3. Assess all past and present potential contaminant sources in full accordance with Env-Wm 1403.07 (d) (10) Groundwater Management and Groundwater Release Detection Permits – Site Investigation.
4. Assess site groundwater quality downgradient of all past and present potential contamination sources.

The information requested in comments #1, #2, #3, and #5 should be provided with the work scope.

The site investigation work requested in the Department's letter dated March 28, 2005, prepared by the ORCB, solely addresses the #6 fuel oil contamination at the site. The above work requested by the HWRB is not eligible for reimbursement under the New Hampshire Petroleum Storage Facility Fund.

If you have any questions or need additional information, please contact me at (603) 271-2987.

Sincerely,



H. Keith DuBois, P.G.
Hazardous Waste Remediation Bureau

H:\HWRB\Admin\H K DuBois\200009045 0505 lt.doc

cc: Michael Wimsatt, P.G. - NHDES/HWRB (via e-mail)
Karlee Kenison, P.G. - NHDES/HWRB (via e-mail)
Gary Lynn, P.G. - NHDES/ORCB (via e-mail)
William Evans, NHDES/ORCB (via e-mail)
James Zeppieri, P.G. - ARC Environmental Consultants, Inc.
Ashland Health Officer
File 2000009045



Soil and Groundwater Sampling and Analysis Report

L. W. Packard and Company, Inc.
Parcel E
Mill Street
Ashland, New Hampshire
NHDES Site No. 200009045
UST Facility ID No. 0112818

Prepared By:
James B. Zeppieri, P.G.
603-746-4156
September 29, 2006

Prepared For:
Mr. John Glidden
President
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire 03217

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Mill Street
Ashland, New Hampshire
NHDES Site No. 200009045

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- B. NHDES Correspondence
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SOIL AND GROUNDWATER SAMPLING AND ANALYSIS REPORT

**Parcel E
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire**

1.0 INTRODUCTION

1.1 Introduction

ARC Environmental Consultants, Inc., (ARC) has completed this Soil and Groundwater Sampling and Analysis Report on behalf of L. W. Packard and Company, Inc., Ashland, New Hampshire. On March 15, 2005, ARC submitted a Soil Sampling and Analysis Report for the entire L. W. Packard complex of textile manufacturing buildings to the New Hampshire Department of Environmental Services (NHDES). On May 6, 2005, the NHDES responded to ARC's March 15, 2005 report with a letter requesting additional site investigation work to better define potential soil and groundwater impacts throughout the entire Packard property.

The scope of this report is limited to that portion of the Packard property now referred to as "Parcel E." This parcel is virtually the same as that referred to as Town of Ashland Tax Map 17, Block 4, Lot 15.

This report is subject to the limitations set forth in Appendix A. Appendix B contains the NHDES correspondence of May 6, 2005.

1.2 Objectives

This report has been prepared to better define the nature, extent, and magnitude of soil and groundwater impacts attributable to past manufacturing uses and waste management practices at property owned by L. W. Packard and Company, Inc., now referred to as Packard Parcel E. ARC's March 2005 report did document some impacts to soil quality conditions from arsenic within Parcel E. For two samples at the same location, the levels of these impacts were above the NHDES Risk Characterization and Management Policy (RCMP) S-1 Soil Standards. These impacts are expected to be attributable to the presence of coal ash or other coal combustion wastes generated during the burning of coal as a fuel by Packard or other previous

owners of the Parcel E property. Alternatively, some of these impacts could have been caused by wood ash disposal on the Parcel E property.

ARC's 2004 site assessment work, reported in March 2005, did not collect any information on groundwater quality conditions for Parcel E. This report includes the results of a comprehensive assessment of groundwater quality conditions at the Parcel E area.

1.3 Scope of Work

This investigation comprised the following tasks:

- Dig Safe pre-marking of the Parcel E area.
- Collection and field screening of soil samples from the loading dock area at the southwest corner of the Packard Steam Laundry building on Parcel E where previous soil sampling indicated elevated levels of arsenic in the soils.
- Collection and field screening of soil samples from one soil boring at the former location of the 6,000 gallon underground storage tank (UST) that was adjacent to the southeast side of the Scribner building on Parcel E. In past correspondence between Packard and the NHDES, this UST has been referred to as the *mineral oil UST*.
- Collection and field screening of soil samples from one soil boring at the northeast loading dock for the Packard Parcel E property, near the northwestern and downgradient boundary of this parcel.
- Collection and field screening of soil samples from one soil boring at the upgradient northeast corner of Parcel E.
- Collection of soil samples from the soil borings for laboratory analyses.
- The installation of groundwater monitoring wells in each of the four soil borings.
- Installation of a shallow observation well between the southwest corner of the Packard Steam Laundry building and the Squam River.
- The collection of one round of groundwater samples from each

of the four groundwater monitoring wells and the one observation well.

- Measurement of groundwater elevations.
- Preparation of this Soil and Groundwater Sampling and Analysis Report.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Site Location

The L. W. Packard property is located along the Squam River in the Town of Ashland, Grafton County, New Hampshire. The property location is depicted on Figure 1, the site location map. Figure 2 is a portion of Ashland tax map 17 that includes Packard Parcel E. Figure 3 is the site plan.

2.2 Site Description

The Packard property consists of a complex of nineteenth and twentieth century mill buildings located in a mixed residential, institutional, and commercial area of Ashland, New Hampshire, that formerly housed the textile manufacturing operations of L. W. Packard and Company, Inc. Textiles were first manufactured here in 1840.

Parcel E, about 0.67 acres in size, includes two buildings. The one story concrete block building, constructed in 1975, currently houses the operations of the Packard Steam Laundry and Packard Safety Cleaning. Packard Steam Laundry provides linen services to commercial and institutional customers in central New Hampshire. Packard Safety Cleaning provides specialized cleaning services for firefighters' uniforms. The three story red brick Scribner building, constructed around 1880, currently houses hydroelectric generation equipment, fed by the flow of the Squam River. Parcel E is a portion of the Packard property, all of which is currently for sale, being redeveloped as the Ashland Business Center.

2.3 Site Registration Information

The NHDES has designated the property owned by L. W. Packard and Company, Inc., as remediation site number 200009045 for concerns related to both petroleum and non-petroleum impacts.

For the former 6,000 gallon UST adjacent to the Scribner building on Parcel E that was closed on June 22, 1992, this UST has been given the UST registration number 0112818. Appendix B of this report includes a letter sent by NHDES to L. W. Packard concerning the closure of this UST. Appendix D of this report includes information supplied to Packard by the George A. Goulston Company concerning the specific composition of the oil stored in this tank, used in textile manufacturing.

This UST was used to store a type of oil with the trade name Heatherlube B-7, manufactured by the George A. Goulston Company, Inc., Monroe, North Carolina.

ARC used the online database maintained by the U. S. National Institutes of Health, National Library of Medicine, to better determine the chemical composition of the constituents of the oil formerly stored in this tank, using the Chemical Abstracts Service (CAS) numbers provided by the manufacturer. This information is included on ARC's table in Appendix D.

3.0 PREVIOUS INVESTIGATIONS

3.1 Introduction

On March 4, 2005, ARC completed a Phase I Environmental Site Assessment Report for the entire L. W. Packard complex of buildings along the Squam River in Ashland. On March 15, 2005, ARC completed a Soil Sampling and Analysis Report for the entire Packard property that was based on the results of the Phase I Report. Both reports summarized field work undertaken by ARC in April, May, and June 2004. These reports were then submitted to the NHDES in March and May 2005. The findings of these reports are summarized below.

Included in ARC's Phase I Site Assessment Report were portions of various Sanborn fire insurance maps. Figure 6 of this Soil and Groundwater Sampling and Analysis Report includes the 1902 Sanborn map for the Parcel E area. This map makes reference to the use of coal and wood as fuels at the Scribner building.

In April and June 2004, a total of six Geoprobe soil borings were advanced on that part of the Packard property now referred to as Parcel E. These soil borings were designated by ARC as B-1, B-2, B-13, B-14, B-15, and B-16. Continuous soil samples were collected at five foot intervals in five foot long clear plastic sleeves.

In June 2004, additional soil samples were obtained manually by ARC along the steep embankment between the Packard Steam Laundry building and the Squam River. These samples were designated as PSL (Packard Steam Laundry) B-1 and PSL B-2. Both samples were taken at two feet below the ground surface.

In addition to the soil sampling, a sample of the sediment in the Squam River adjacent to Parcel E was collected for laboratory analyses. This sample was designated as SED-2. ARC's Site Investigation Report for the L. W. Packard no. 6 fuel oil USTs, submitted to the NHDES on June 15, 2005, contains a complete discussion of the results of this sediment sampling and NHDES sediment quality guidelines.

3.2 April 6, 2004 Soil Sampling

Based on past site usage, field screening, and visual observations, ARC submitted selected samples from the B-1 location for laboratory analyses. Table 1 of this report summarizes these laboratory results. Tables 1 through 5 immediately follow the text of this report.

The laboratory results for the April 6, 2004 sampling can be summarized as follows:

- For the eight RCRA metals, only the level of arsenic was above its NHDES Risk Characterization and Management Policy (RCMP) S-1 soil standard for the soil sample taken from soil boring B-1 at a depth of 15 to 20 feet. The S-1 soil standard for arsenic is 11 milligrams per kilogram (mg/kg). The results for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and acid and base neutral extractable compounds (ABNs) were all either non-detect or well below applicable standards.

For soil boring B-2, at the location of the former 6,000 gallon UST, the soil samples collected by ARC did not appear to have been impacted by past releases from this UST and no samples were submitted for laboratory analysis.

3.3 June 21, 2004 Soil Sampling

Based on the results of the April 2004 soil sampling, ARC then revisited the Packard property, including the Parcel E area, on June 21, 2004 to collect additional soil samples. Samples collected on June 21, 2004 were also submitted for laboratory analyses from both PSL locations.

Samples from locations B-13, B-14, B-15, B-16, PSL-1, and PSL-2 were collected for arsenic analysis. These results are summarized on Table 2.

The laboratory results for the June 21, 2004 sampling can be summarized as follows:

- For arsenic, only the sample from soil boring B-16 had levels above the S-1 soil standard for this chemical. The B-16 location was in very close proximity to the April 2004 B-1 location.

3.4 Interpretation of 2004 Soil Data

A review of ARC's field notes for the April and June 2004 soil borings indicates that, for B-1, fill materials were present for the first 20 feet, including asphalt pavement and ash. For B-16, these field notes indicate the presence of asphalt, coal, wood, organic and brick layers intermixed from the ground surface to 20 feet. For these two borings, elevated levels of arsenic were detected in both samples obtained at depths from 15 to 20 feet below the ground surface. The arsenic values for B-1 and B-16 were 120 mg/kg and 87 mg/kg, respectively.

4.0 CURRENT SUBSURFACE INVESTIGATION

4.1 Soil Borings

On August 22 and August 23, 2006, ARC, in conjunction with New Hampshire Boring, Inc., advanced four soil borings at the L. W. Packard site. Figure 3 shows the locations of these soil borings.

The soil borings were performed using a Mobile Drill B59 truck mounted drilling rig. Soil boring B-1 was advanced at the southwest corner of the Packard Stream Laundry building on Parcel E. Previous soil sampling at this location, as discussed above, revealed the presence of elevated levels of arsenic.

During advancement of the soil boring at this location, continuous soil samples were collected at two foot intervals with a two inch diameter two foot long split spoon sampler that was driven into the ground with a 140 pound weight. At this soil boring, those materials below 19 feet are expected to be native, while those above 19 appear to be fill. For all four soil borings, soil samples were recovered from the split spoon sample tool and transferred to

clean plastic storage bags for field screening.

For soil boring B-2, this boring was done adjacent to the former location of the closed 6,000 gallon UST. Continuous soil samples were collected from the ground surface to almost 15 feet, where split spoon refusal was encountered. This borehole was extended to 20 feet using a roller bit without further sample collection. The materials below 15 feet are expected to have been sand and gravel. Alternatively, the split spoon refusal may represent the bedrock surface. At this soil boring, the materials at 11 feet and below appeared to be native.

For the TPH soil analysis done at the B-2 location, ARC asked Aquarian Analytical to review the chemical composition data included in Appendix D to best determine which TPH standard to use. Aquarian indicated that the most appropriate match between the analytical standard and the reported tank contents would be TPH for fuel oil.

For soil boring B-3, this boring was done as close as possible to the western downgradient edge of the Parcel E property, at a location expected to be downgradient of the B-2 (6,000 gallon UST) location and upgradient of the Squam River. Continuous soil samples were collected from the ground surface to 20 feet. The borehole was extended to 25 feet using the roller bit without further sample collection. The materials below 20 feet are expected to have been sand and gravel, but no sampling was done to confirm this. At this location, the materials below six feet appear to be native.

For soil boring B-4, this boring was done at an upgradient location to collect information on upgradient (background) soil and groundwater quality conditions. Continuous soil samples were collected from the ground surface to six feet. At 6.5 feet, split spoon refusal was encountered. This hole was extended to 20 feet with a roller bit without further sample collection. Based on the driller's observations and ARC's examination of the cuttings, the bedrock surface was encountered at 6.5 feet. No rock coring was done to confirm these observations, however.

4.2 Soil Field Screening

The soil samples were analyzed on-site, using headspace vapor methodology, with a Thermo Environmental Model 580B photo-ionization type organic vapor analyzer (OVA). The 580B OVA has a sensitivity of 0.1 parts per million (ppm), and was calibrated to a benzene standard using a reference gas of isobutylene. Ambient

background levels and instrument drift displayed by the OVA were in the range of ± 0.1 ppm.

Once the sample was placed in the sealed plastic storage bag, the sample was gently agitated and the OVA probe was inserted through the seal into the headspace above the soil. The maximum vapor concentration, if any, was recorded.

The results of the OVA screenings are summarized on the soil boring logs included in Appendix C of this report. On these logs, OVA concentrations are given in parts per million. In general, VOCs were either not detected or detected at very low levels in the soil samples.

4.3 Soil Sample Collection and Delivery

For VOC analyses from each sample, five grams of soil were placed in a clean 20 milliliter glass vial with a teflon septum cap. Each sample was preserved with about 5 milliliters of methanol.

As part of the VOC analytical procedure, soil samples were also transferred to clean four ounce glass jars with teflon lined screw down lids. Samples for TPH, metals, PCBs, and PAH analyses were also collected in these same types of jars. The jars were packed as full as possible to minimize headspace. All jars and vials were placed in an insulated cooler with ice packs immediately after field screening for storage and transport. The soil samples were delivered to Aquarian Analytical, Inc., in Canterbury, New Hampshire, for laboratory analyses. All sample collection, transport, and delivery procedures were performed following standard chain of custody protocol.

4.4 Soil Sample Results

Soil Boring B-1

For the soil samples from soil boring B-1, analyses were performed for arsenic at the depths of 9 to 11 feet, 11 to 13 feet, 13 to 15 feet, 15 to 17 feet, and 17 to 19 feet. For all analyses, the levels of arsenic were below the NHDES soil standard of 11 milligrams per kilogram. For the sample from 13 to 15 feet, additional analyses were done for the remaining seven RCRA metals. These results were all below the applicable soil standards.

Soil Boring B-2

For the soil samples from soil boring B-2 advanced at the former location of the 6,000 gallon UST, analyses were performed for VOCs, TPH, and PAHs. For VOCs and PAHs, there were no detections. For TPH, 44 mg/kg were detected, well below the NHDES standard of 10,000 mg/kg.

Soil Boring B-3

For the soil samples from soil boring B-3 advanced downgradient of B-2 and near the downgradient edge of Parcel E, analyses were performed for the RCRA 8 metals and PAHs to help determine if the dark staining observed in the S-1 sample was attributable to coal ash. For the five RCRA metals that were detected in this sample, including arsenic, the levels of detection were below their NHDES soil standards. For the three PAHs detected, the levels were also below standards.

Soil Boring B-4

For the soil samples from soil boring B-4 advanced at an upgradient location, analyses were performed for arsenic and PCBs. For arsenic, the level detected was below its soil standard. For PCBs, there were no detections. PCB analyses were performed at this location because of the past presence of an electric power transformer station adjacent to the Scribner building.

The results of the soil sample analyses are summarized on Table 3 of this report. All soil laboratory analytical data and chain of custody documents are included in Appendix E.

4.5 Interpretation of Soil Sample Results

For the dark colors observed in samples from soil borings B-1 through B-3, collected in August 2006, the presence of coal ash, other coal combustion products, and possibly wood ash, is expected to account for the darker colors observed in these soil samples, when compared with other deeper samples collected from the same soil borings that are expected to be native. These observed colors are also darker than those observed in native soils near the former Packard no. 6 fuel oil USTs, on the opposite side of the Squam River.

For those soils that were impacted at levels above the S-1 Soil Standard for arsenic adjacent to the southwest loading dock at the Packard Steam Laundry building, these impacts are expected to be attributable to the presence of coal and/or wood combustion wastes

observed in the fill materials adjacent to this building. If soils are impacted by metals or PAHs, solely caused by combustion wastes from coal or wood, then these impacts to soils are not subject to regulation by the NHDES. According to provisions of the NHDES *Hazardous Waste Rules*, Env Wm 401.03(b)(4), Exemptions, coal combustion wastes are exempt from regulation by these rules.

It is not unreasonable to expect that coal and/or wood combustion wastes were used as fill materials in the area between Mill Street and the Squam River, given the past commercial uses of this property, either as a matter of convenience, or to raise land levels adjacent to the river.

5.0 SITE HYDROGEOLOGY AND GEOLOGY

5.1 Groundwater Elevations and Flow Directions

The elevations of the newly installed groundwater monitoring wells MW-1 through MW-4 and the observation well (OW-1) were measured on August 31, 2006, using a meridian level and survey leveling rod. All elevations are referenced to the NGVD. The datum used by ARC for the elevation survey was the top of the PVC riser pipe for MW-3, the downgradient groundwater monitoring well previously installed by ARC in conjunction with site investigation work for the no. 6 fuel oil USTs at the Packard site. The location of MW-3 is shown on Figure 4.

Depths to groundwater was measured in groundwater monitoring wells MW-1 through MW-4 and OW-1 using an electronic water level indicator manufactured by Slope Indicator Company, Model 51453.

Monitoring well elevations and depths to groundwater are listed on Table 4. A groundwater contour map, Figure 4, was prepared using the groundwater elevation data from Table 4. ARC's interpretation of the August 2006 groundwater elevation data is that groundwater flows to the west.

5.2 Site Geology

Figure 4 of this report includes an interpretation of the fill and stratified drift materials encountered in the four soil borings. In general, the materials encountered below fill are dense light olive brown silts and fine sands underlain by dense brown and orange brown coarse sands and gravel.

For supporting information on the surficial geology of the Parcel E area, ARC reviewed the report *Geohydrology, Yield, and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central New Hampshire*, published by the U. S. Geological Survey. Figure 5 includes a portion of Plate 2 from the USGS report that includes the Ashland area. This figure indicates that the surficial materials at Parcel E are stratified drift composed of fine and medium sands; and sand and gravel.

According to the Bedrock Geologic Map of New Hampshire, bedrock underlying the unconsolidated deposits at the Packard property is the Kinsman Granodiorite, also known as the Kinsman Quartz Monzonite. This Early Devonian rock formation is part of the New Hampshire Plutonic suite of crystalline rocks and has been described as a foliated granite, granodiorite, tonalite, and minor quartz diorite with characteristic large megacrysts of potassium feldspar.

6.0 GROUNDWATER SAMPLING AND ANALYSIS

6.1 Groundwater Monitoring Well Installation

On August 22 and 23, 2006, groundwater monitoring wells were installed at the B-1 through B-4 soil boring locations.

Monitoring well construction details and soil boring logs are included in Appendix C. A groundwater observation well, OW-1, was installed about three feet from the shoreline of the Squam River by ARC personnel. This well was screened in the sand and gravel materials encountered at this location.

The groundwater monitoring wells were constructed with two inch PVC well screen (0.010 inch slots), two inch PVC riser pipe, and flush mounted 10 inch deep steel protective roadboxes.

6.2 Groundwater Sampling

One round of groundwater samples was collected by ARC personnel on August 31, 2006. Samples were collected from monitoring wells MW-1 through MW-4 and OW-1. Samples were analyzed for VOCs using EPA method 8260B, for PAHs using EPA method 8270, and for the eight RCRA metals using EPA method 200.8.

Prior to groundwater sample collection, all monitoring wells were purged of a minimum of three standing borehole volumes of water

using dedicated, pre-cleaned, disposable polyethylene bailers. After a brief recharge period, groundwater samples were carefully collected from each well using the dedicated bailers.

Samples for VOC analysis were placed in clean 40 milliliter glass vials with teflon septum caps. Each sample was preserved with 2-3 drops of hydrochloric acid (1:1 HCl). For PAH analyses, samples were placed in clean one liter amber glass jars preserved with about 20 drops of hydrochloric acid. Samples collected for analysis of the eight RCRA metals were field filtered using 0.45 micron filters and placed in 250 milliliter HDPE plastic bottles preserved with nitric acid.

All samples were placed in an insulated cooler with ice packs immediately after collection for storage and transport. All groundwater samples were delivered on the day of collection to Aquarian Analytical, Inc., Canterbury, New Hampshire. All sample collection, transport, and delivery procedures were performed following standard chain of custody protocol.

7.0 GROUNDWATER ANALYSIS RESULTS AND INTERPRETATION

7.1 Groundwater Sample Results

For the round of groundwater monitoring conducted in August 2006, VOCs and PAHs were not detected in any of the five samples. For the eight RCRA metals, only arsenic and barium were detected. For arsenic, 2 micrograms per liter ($\mu\text{g/l}$) were detected in the sample from MW-2, at the location of the former 6,000 gallon mineral oil UST. The NHDES Ambient Groundwater Quality Standard for arsenic is 10 $\mu\text{g/l}$. There were no detections for arsenic at the remaining four sampling points. For barium, double digit $\mu\text{g/l}$ concentrations were detected at all five sample points. The AGQS for barium is 2,000 $\mu\text{g/l}$. Table 5 summarizes the results of the groundwater sampling. Appendix E includes the laboratory data sheets for the groundwater analyses.

7.2 Interpretation of Groundwater Quality Data

Based on the lack of detection of VOCs and PAHs at any of the five groundwater sampling points on Parcel E, it is unlikely that there have been any impacts to groundwater quality conditions attributable to solvent use, underground storage tanks, or coal combustion wastes from any of these suites of chemicals, to the extent that these impacts are above applicable standards.

For the eight RCRA metals, there were some very low level detections of arsenic and barium, but the levels detected were at least one order of magnitude below the AGQS for each chemical. Therefore, impacts to groundwater quality conditions from coal combustion products such as arsenic and lead have not been documented at Parcel E.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Conclusions

Based on the subsurface analytical data, visual observations, and review of previously performed site investigation work, ARC Environmental Consultants, Inc., in its professional opinion, concludes the following:

- For VOCs and PAHs at all five groundwater sampling points, there were no detections.
- For the eight RCRA metals, there were some low levels of arsenic and barium detected in groundwater, but the levels detected were well below AGQS.
- Arsenic was detected in several of the soil samples taken at locations where elevated levels of arsenic had been detected in 2004. The levels detected in the August 2006 soil sampling were below the NHDES soil standard for arsenic.
- At two of the soil borings, including the soil boring adjacent to the 2004 soil boring where elevated arsenic levels were detected, coal clinkers and coal ash were observed in the samples.
- For PCBs in soils, for the one sample taken near a former electric power transformer station, there were no detections.
- For the closed 6,000 gallon UST, there were apparently no releases from this tank that have impacted soil or groundwater conditions above applicable NHDES standards. TPH was detected at a very low level in a soil sample analyzed from this location.
- Soil samples were analyzed for PAHs at three of the four August 2006 soil boring locations. Low levels of PAHs were detected in both samples taken at opposite ends of the laundry

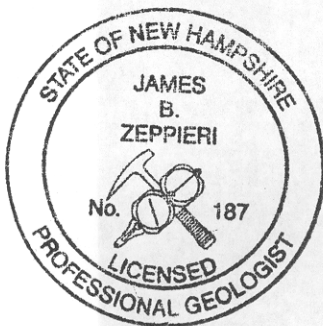
building. For the UST location, PAHs were not detected in the one soil sample at this location.

- For VOCs in soil, there were no detections in the sample taken at the mineral oil UST location.
- The site investigation work documented in this report meets the substantive requirements of the August 15, 1992 NHDES letter to L. W. Packard concerning the need to conduct post closure soil sampling at the 6,000 gallon UST location.

8.2 Recommendations

ARC recommends the following:

- Because the elevated levels of arsenic detected in the soil samples taken from the loading dock area at the southwest end of the Packard Steam Laundry building appear to be attributable solely to the presence of coal combustion wastes, no further measures are needed to address these elevated levels of arsenic.
- Because there are no substantive impacts to soils and no violations of groundwater quality standards at or downgradient of the former 6,000 gallon UST, no further site investigation or site remediation work is needed for this closed UST.
- The lack of groundwater impacts at the Parcel E property from past uses and waste management practices at this property and the absence of soil impacts from sources other than coal combustion products warrants the issuance of a Certificate of No Further Action for Parcel E by the NHDES.



ARC ENVIRONMENTAL CONSULTANTS, INC.

James B. Zeppieri, P.G.

James B. Zeppieri
Project Manager

Table 1
Analytical Results for Soils
L. W. Packard and Company, Inc. Parcel E
Mill Street
Ashland, New Hampshire
Samples Collected on April 6, 2004
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION¹	B-1/S-4 (15-20 feet deep)	NHDES Standard²
CHEMICAL		
Total Petroleum Hydrocarbons (motor oil standard)	BD ⁴	10,000
Volatile Organic Compounds		
p-Isopropyltoluene	0.741	390
Poly Aromatic Hydrocarbons	ANP	
Acid Base Neutral Extractable Compounds	BD	Chemical Specific
Metals		
Arsenic	120.000	11
Barium	33.000	750
Chromium	7.000	1,000
Lead	43.000	400
Mercury	0.200	13
Selenium	3.000	260
Polychlorinated Biphenyls	ANP	

Notes for Table 1:

1. See Figure 3 for sample locations.

2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges; and the NHDES Risk Characterization and Management Policy. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.

3. ANP - Analysis not performed for that chemical or that suite of chemicals.

4. BD - Below Detection, chemical not detected at a level above its method detection limit.

Table 2
Analytical Results for Soils
L. W. Packard and Company, Inc. Parcel E
Mill Street
Ashland, New Hampshire
Samples Collected on June 21, 2004
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION AND SAMPLE DEPTH ¹	B-13 S-4 15-20'	B-14 S-3 10-15'	B-15 S-4 14-18'	B-16 S-4 15-20'	PSL B-1	PSL B-2	NHDES Standard ²
CHEMICAL							
<i>Total Petroleum Hydrocarbons</i> (motor oil standard)	ANP ³						10,000
<i>Polyaromatic Hydrocarbons</i>	ANP						Chemical Specific
<i>Metals</i>							
Arsenic	1.40	1.50	3.80	87.00	3.90	2.90	11
<i>Polychlorinated Biphenyls</i>	ANP						1

Notes for Table 2:

1. See Figure 3 for sample locations.

2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2004. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.

3. ANP - Analysis not performed for that chemical or that suite of chemicals.

Table 3
Soil Sample Analytical Results
L. W. Packard and Company, Inc. Parcel E
Ashland, New Hampshire
NHDES Site No. 200009045
Samples Collected on August 22 and 23, 2006
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION AND DEPTH ¹	B1 S3 9-11'	B1 S4 11-13'	B1 S5 13-15'	B1 S6 15-17'	B1 S7 17-19'	B2 S4 6-8'	B3 S1 0-2'	B4 S1 0-2'	NHDES Soil Standard ²
CHEMICAL									
<i>RCRA 8 Metals</i>									
arsenic	5.00	5.00	4.00	2.00	3.00	ANP ³	3.00	3.00	11
barium	ANP	30.00	54.00	ANP	ANP	ANP	41.00	ANP	750
cadmium	ANP	BD ⁴	BD	ANP	ANP	ANP	BD	ANP	32
chromium	ANP	6.00	12.00	ANP	ANP	ANP	8.00	ANP	1,000
lead	ANP	49.00	150.00	ANP	ANP	ANP	59.00	ANP	400
mercury	ANP	BD	0.200	ANP	ANP	ANP	0.100	ANP	13
selenium	ANP	BD	BD	ANP	ANP	ANP	BD	ANP	260
silver	ANP	BD	BD	ANP	ANP	ANP	BD	ANP	45
<i>Volatile Organic Compounds</i>	ANP	ANP	ANP	ANP	ANP	none detected	ANP	ANP	chemical specific
<i>Total Petroleum Hydrocarbons</i> (fuel oil standard)	ANP	ANP	ANP	ANP	ANP	44	ANP	ANP	10,000

SAMPLING LOCATION AND DEPTH ¹	B1 S3 9-11'	B1 S4 11-13'	B1 S5 13-15'	B1 S6 15-17'	B1 S7 17-19'	B2 S4 6-8'	B3 S1 0-2'	B4 S1 0-2'	NHDES Soil Standard ²
CHEMICAL									
<i>Polyaromatic Hydrocarbons</i>									
benzo (a) anthracene	ANP	ANP	BD	ANP	ANP	BD	0.46	ANP	1.2
fluoranthene	ANP	ANP	BD	ANP	ANP	BD	0.61	ANP	1,200
pyrene	ANP	ANP	0.49	ANP	ANP	BD	0.62	ANP	870 ⁵
<i>Polychlorinated Biphenyls (PCBs)</i>	ANP	ANP	ANP	ANP	ANP	ANP	ANP	none detected	1

Notes for Table 3:

1. See Figure 3 for sample locations.

2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2005. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.

3. ANP - Analysis not performed for that chemical or that suite of chemicals.

4. BD - Below detection, chemical not detected at a level above its method detection limit.

5. The soil standard for the total concentration of benzo (ghi) perylene, phenanthrene, and pyrene is 870 milligrams per kilogram.

Table 4
Groundwater Elevations
L. W. Packard and Company, Inc. Parcel E
Mill Street
Ashland, New Hampshire
NHDES Site No. 200009045
All Elevations Recorded in Feet and Referenced to NGVD

Well Designation	Date	Elevation (top of PVC casing)	Depth to Groundwater	Groundwater Elevation
MW-1	08/31/06	518.18	18.52	499.66
MW-2	08/31/06	524.35	12.30	512.05
MW-3	08/31/06	519.59	18.36	501.23
MW-4	08/31/06	523.00	1.78	521.22
OW-1	08/31/06	503.75	4.33	499.42
Squam River at Bridge	08/31/06	529.23 (reference point at bridge)	18.22 (depth to surface flow in river)	511.01 (assumed elevation of water table at river)

Table 5
Groundwater Sample Analytical Results
L. W. Packard and Company Parcel E
Ashland, New Hampshire
NHDES Site No. 200009045
All results expressed in micrograms per liter (µg/l)

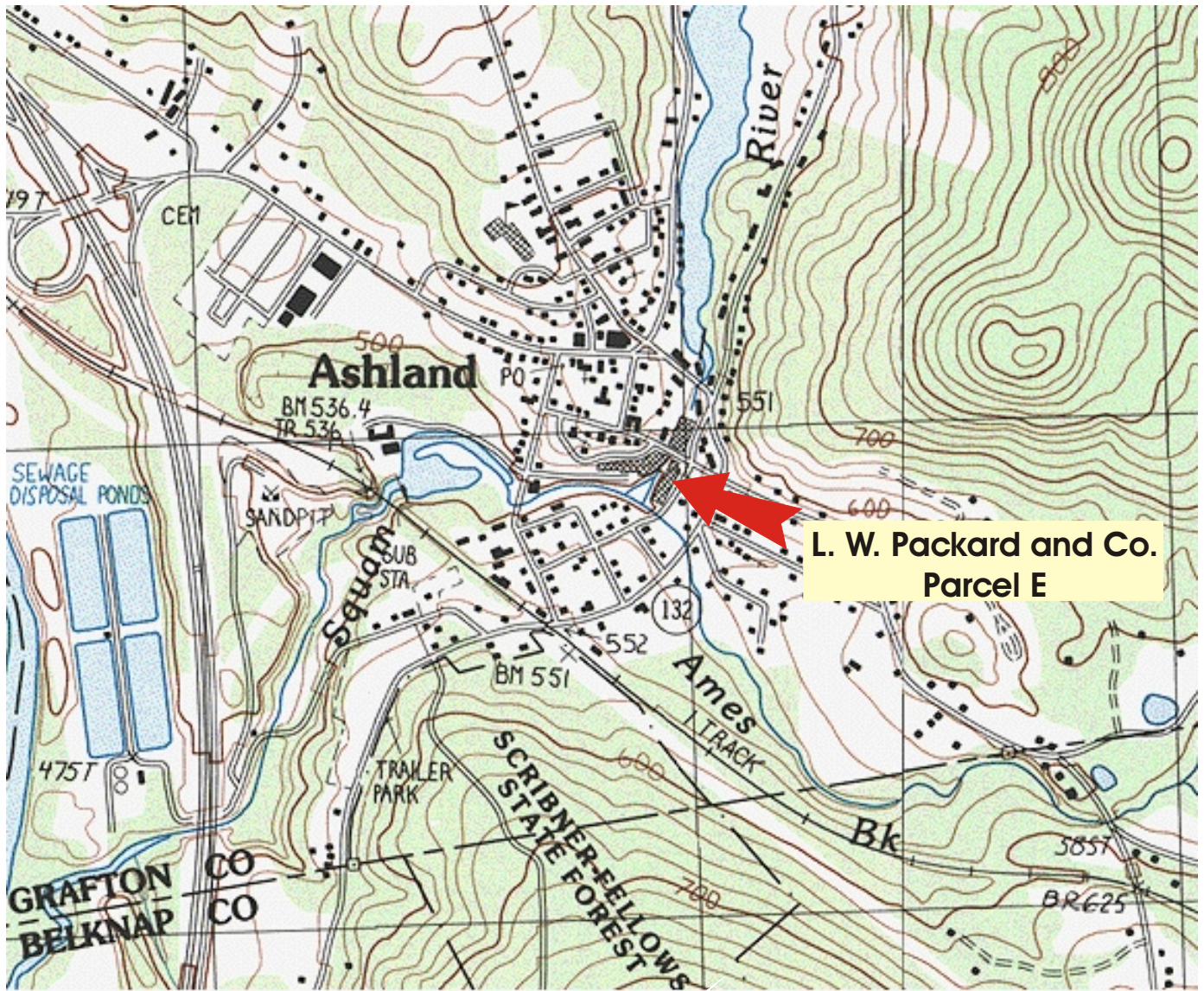
Sample Designation	Date	MW-1	MW-2	MW-3	MW-4	OW-1	AGQS ¹
Chemical							
<i>Poly Aromatic Hydrocarbons</i>	08/31/06	BD ²	BD	BD	BD	BD	chemical specific
<i>Volatile Organic Compounds</i>	08/31/06	BD	BD	BD	BD	BD	chemical specific
<i>RCRA 8 Metals</i>							
arsenic ³	08/31/06	BD	2	BD	BD	BD	10
barium	08/31/06	56	59	62	96	62	2,000

Notes for Table 5:

1. AGQS - Ambient Groundwater Quality Standards.
2. BD - below detection, analyte not detected above the laboratory method detection limit.
3. Arsenic and barium were the only metals detected in the samples.

Figures



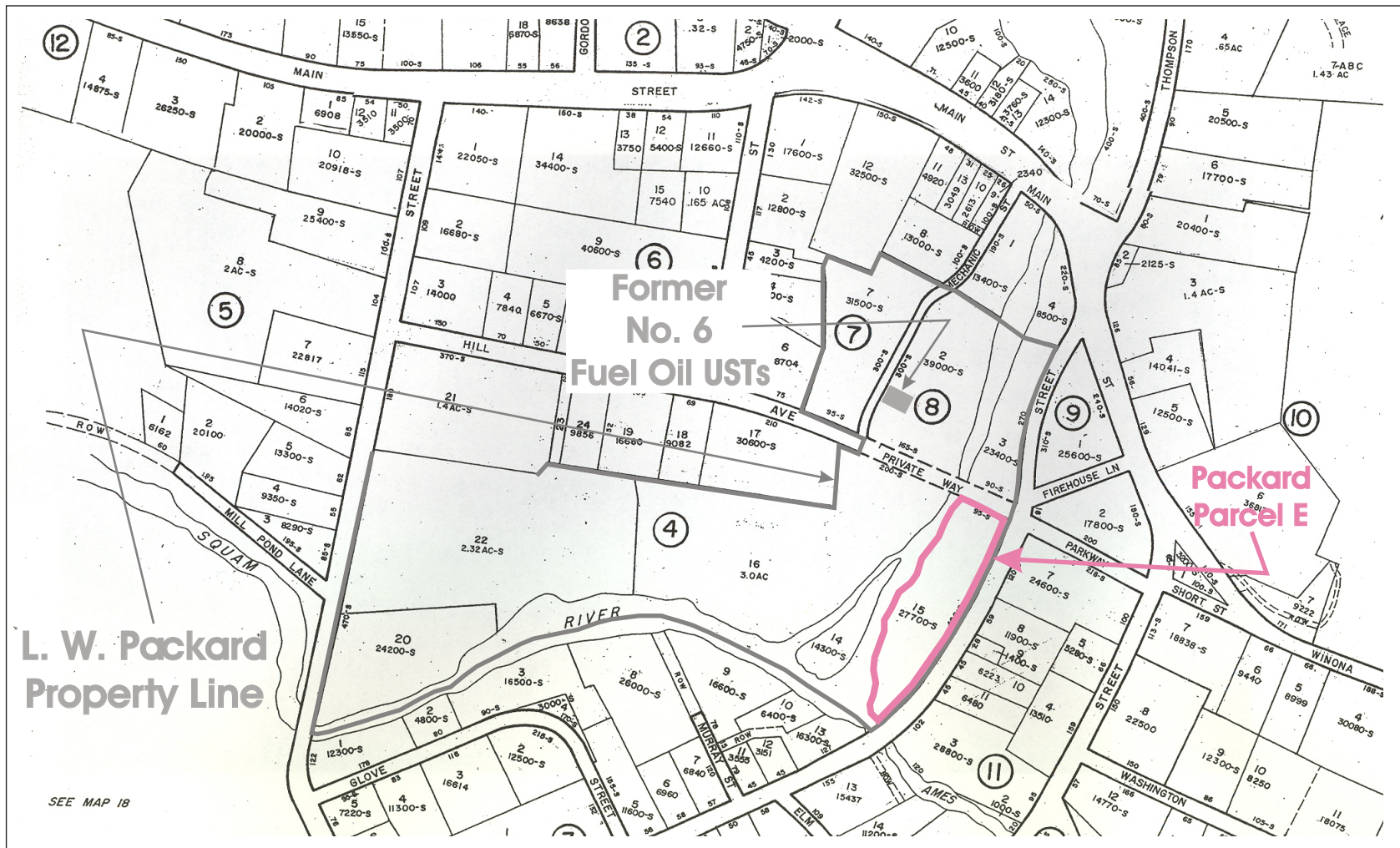


Subject Property:
L. W. Packard and Company, Inc.
Parcel E
Mill Street
Ashland, New Hampshire
NHDES Site No. 200009045



Scale - 1:12,000

Figure 1
Site Location Map
Ashland, N. H.
USGS Topographic Map
7.5 Minute Series
September 2006



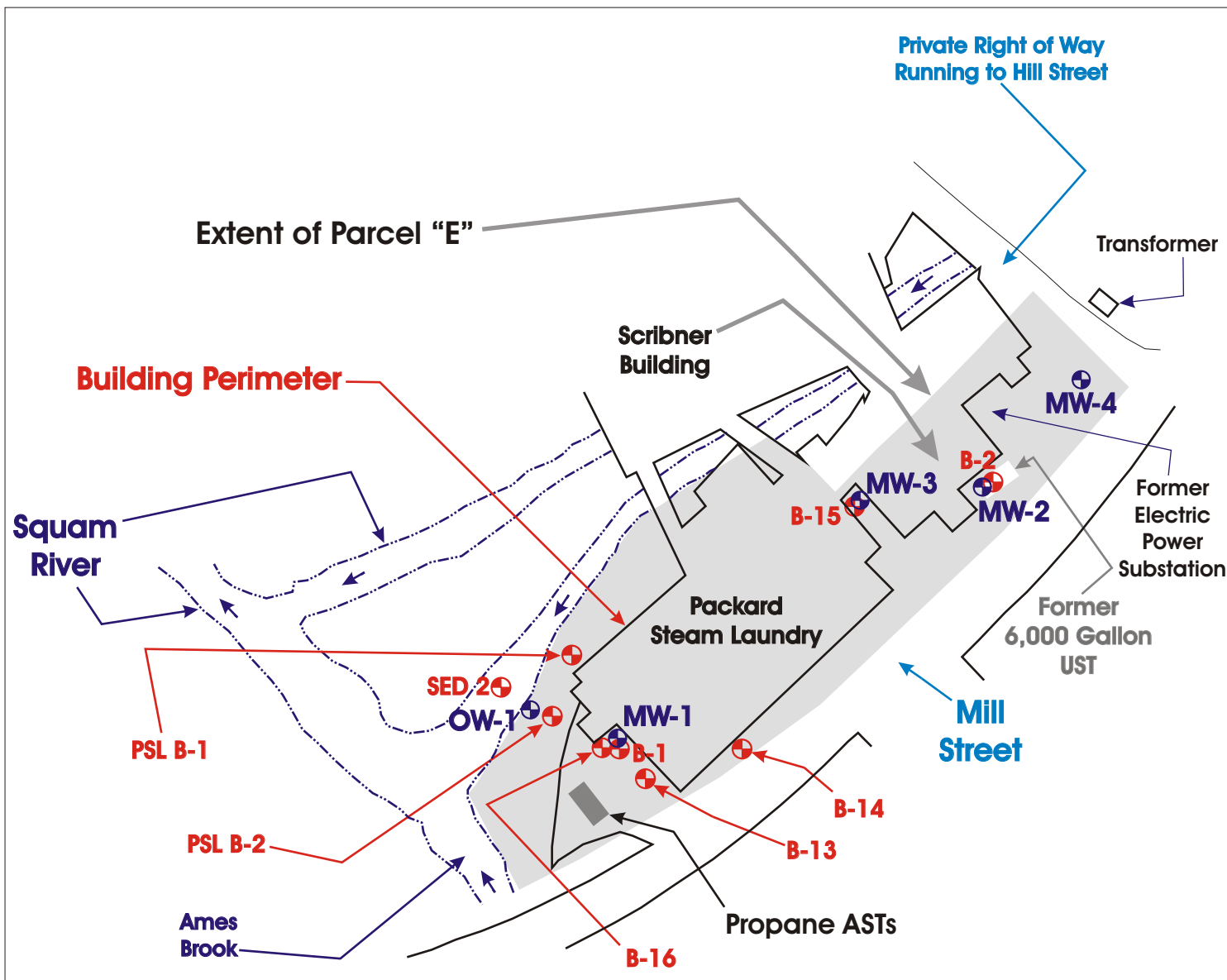


Figure 3
Site Plan - Parcel E
 L. W. Packard and Company, Inc.
 Mill Street
 Ashland, New Hampshire
 September 2006



Scale

0 feet 50

Legend

- ⊕ 2004 Soil or Sediment Sample Location
- ⊕ Groundwater Monitoring Well, Installed August 2006

Plan based on Topographic Worksheet of the L. W. Packard Woolen Mill by Eastern Topographics March 1990 and Site Drainage Plan, L. W. Packard and Company, by GZA GeoEnvironmental, Inc. September 1996.

Figure 4
Groundwater Contour Map
L. W. Packard and Company, Inc.
Parcel E
Mill Street
Ashland, New Hampshire
September 2006



Scale

0 feet 60

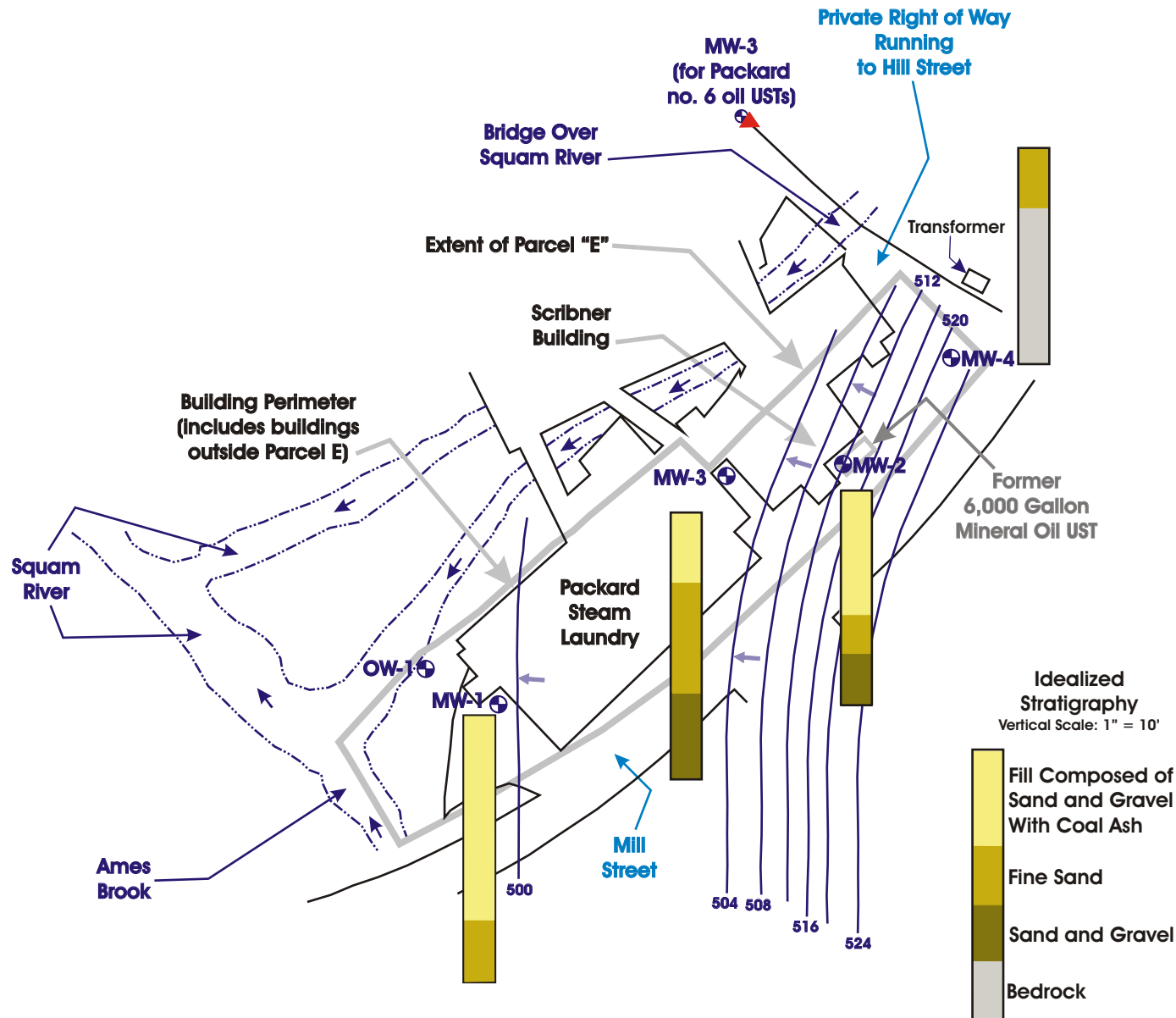
Legend

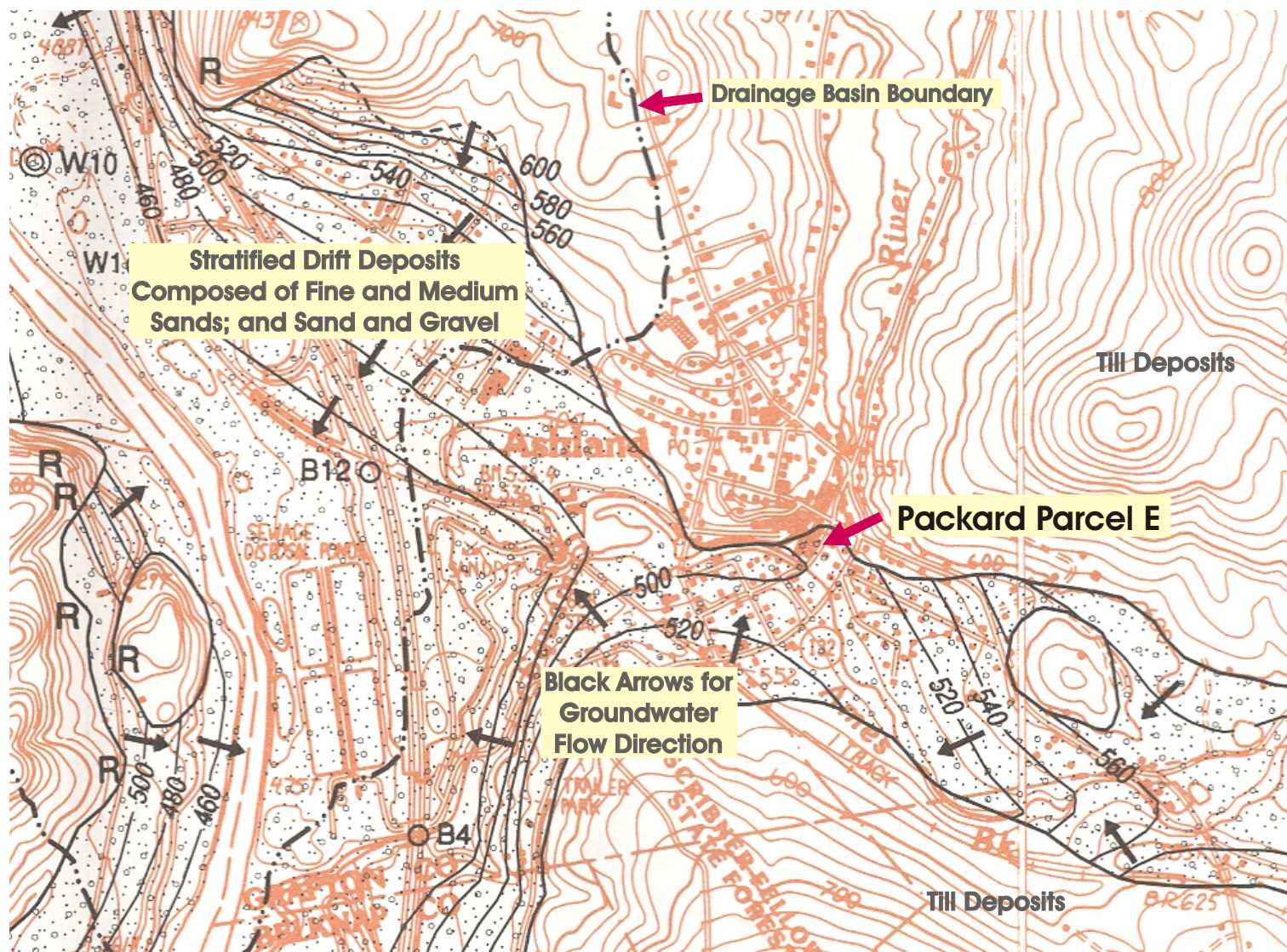
- ▲ Datum, Elevation Referenced to NGVD, Based on MW-3 From No. 6 Oil UST Report
- ⊕ Groundwater Monitoring Well
- 500 Groundwater Contour in Feet, Referenced to NGVD, Contour Interval 4 Feet
- Inferred Groundwater Flow Direction

Groundwater Elevations In Feet

August 31, 2006

MW-1	499.66
MW-2	512.05
MW-3	501.23
MW-4	521.22
OW-1	499.42





Map based on USGS Water Resources Investigations Report 94-4083, Geohydrology, Yield and Water Quality of Stratified-Drift Aquifers in the Pemigewasset River Basin, Central N. H., 1996, Plate 2. Contour lines indicate groundwater elevations in feet, contour interval 20 feet.



Figure 5
USGS Water Resources Map
L. W. Packard and Company
Parcel E
Mill Street
Ashland, N. H.
September 2006
NHDES Site No. 200009045
Scale - 1:24,000

3

River

Store No.
(A.S.)

RIGHT WATCHMAN, BUREAU CLOCK, HEAT STOVE,
POWER, WATER, LIGHT, ELEC. BEL., CORN
& HOOD. CITY AUTOM. SPRINKLERS
THROUGHOUT MAIN MILL, BOILER HO. &
STORE HO. CITY SPALAS ELSEWHERE
SUPPLIED BY TOWN WATER & 3700 GAL.
TANK & SUITABLE PUMP, FIRE PULS. THROUGH
HYD. & HOOD AS SHOWN.

Stedre Ho.

ASHLAND KNITTING CO.
HOSIERY MILL.
(MUTUAL RISK)

$\frac{1}{x}$	$\frac{1}{x} \frac{d}{dx}$
---------------	----------------------------

Shoody Mill.
23

Figure 6
1902
Sanborn
Map

Appendices



Appendix A

Limitations

1. The conclusions and recommendations presented in this report are based solely upon the described Scope of Work, and not on scientific tasks or procedures beyond the described Scope of Work or the time and budgetary constraints imposed by the Client. The stated conclusions and recommendations represent ARC's best professional judgement, and should not be construed as statements of scientific fact or certainty.

2. In preparing this report, ARC may have relied on information provided by state and local officials, and other parties herein referenced, and on information on record with various state and local agencies made available to ARC at the stated time of inspection. ARC did not attempt to independently verify the accuracy or completeness of all information received or reviewed as part of this investigation.

3. This report may contain the results of quantitative analyses performed by an outside laboratory. In such cases, ARC has relied upon the data provided to formulate its stated conclusions and recommendations, and has not attempted to independently evaluate the reliability of these data.

4. In the event that the conclusions stated in this report express ARC's professional opinion that a release of hazardous substances or petroleum products to the environment has occurred at the subject site, ARC recommends that the Client consult with its legal counsel regarding the duty to report the discharge to the appropriate federal, state, or local authorities. If ARC is not notified in a timely manner that such duty to report has been discharged by another party, ARC may, under certain legal interpretations, be deemed to be a "knowledgeable party", and may consult with its legal counsel regarding its duty to report or confirm the discharge to the appropriate authorities. Otherwise, ARC agrees to maintain in strictest confidence the information contained in this report.

5. This report was prepared for the exclusive use of L. W. Packard and Company, Inc., Ashland, New Hampshire. Except as described below, no other party may rely on the information herein contained. ARC hereby grants L. W. Packard and Company, Inc., permission to distribute this report, or copies thereof *in whole*, to their affiliates, assigned agents, or, at the Client's discretion, to other parties having a direct financial interest in the subject property.

Appendix B

NHDES Correspondence



May 6, 2005

The State of New Hampshire
Department of Environmental Services

Michael P. Nolin
Commissioner



Mr. John Glidden, President
L.W. Packard and Company, Inc.
6 Mill Street
Ashland, New Hampshire 03217

SUBJECT: **ASHLAND** – L.W. Packard and Company, Inc., 6 Mill Street, Soil Sampling and Analysis Report dated March 15, 2005, (DES #200009045)

Dear Mr. Glidden:

The Hazardous Waste Remediation Bureau (HWRB) of the New Hampshire Department of Environmental Services (Department) has reviewed the above referenced "Soil Sampling and Analysis Report" (report) for the L.W. Packard and Company, Inc., Site (site) located at 6 Mill Street in Ashland. The report was prepared by ARC Environmental Consultants, Inc. (ARC) on behalf of L.W. Packard and Company, Inc. (Packard) in connection with an environmental site assessment requested by Packard. The HWRB's comments are provided below.

COMMENTS

1. The Report refers to a "Phase I Environmental Site Assessment" (ESA report) completed by ARC on March 4, 2004. The Department was not provided with a copy of the ESA report. Therefore, the Department cannot assess whether the sampling locations and analytical program were sufficient to characterize environmental conditions at the site. A complete copy of the ESA report including color copies of photographs (if available) should be submitted to the Department before May 30, 2005.
2. The chain of custody form for the samples collected on February 21, 2004 included sediment samples SED-1 and SED-2. The laboratory data sheets for these samples were not provided with the report and the sampling locations were not shown on Figure 2. Please provide the laboratory data sheets and a revised site plan to the Department before June 30, 2005.
3. The specific locations at which soil samples PM Base, PM Conf., PM-Conf 2, Papermill, and Papermill-2 were obtained were not shown on Figure 2. Please submit a plan showing the specific locations to the Department before June 30, 2005.
4. As a stand alone document, the report did not provide a rationale for the specific soil and sediment sampling locations, sampling depths, and the selected subsurface exploration and analytical program. Therefore, the Department cannot assess whether the sampling locations and analytical program were adequate to characterize environmental conditions at the site. Furthermore, the Department's review of Figure 2 and the analytical data indicates that the subsurface exploration program does not appear to have been adequately designed to assess potential site contamination sources.

Specifically, Figure 2 and the report indicate the former presence of a machine shop, a chemical receiving dock, a solvent drum storage area, and a commercial laundry. These activities commonly involve the use and storage of volatile organic compounds (VOCs). Numerous manufacturing machines were also reportedly previously located at places throughout the site buildings. Maintenance of these machines likely involved the use of chlorinated solvents. Additionally, the lubricating oils in these machines could have contained polychlorinated biphenyls (PCBs). The detection of PCBs above the S-1 standard established in the Department's Risk Characterization and Management Policy (RCMP) in soil sample Papermill-2 indicates a release of PCBs at the site. The total petroleum hydrocarbon (TPH) concentrations in the soil samples obtained from this area within the paper mill indicate the PCBs may potentially be linked to the petroleum product present in the site soils.

Based on Figure 2, the direction of groundwater flow at the site is interpreted to most likely be toward the southeast, south, and southwest, in the general direction of the Squam River. Due to the general hit or miss nature of soil sampling, the general industry practice for assessing the potential for releases of contaminants at a manufacturing facility is to install groundwater monitoring wells hydraulically downgradient from potential source areas. No groundwater monitoring wells were installed for the ESA. Furthermore, no soil samples obtained downgradient of the maintenance shop (B-2 and B-15), dye house (B-11), and paper mill (PMB-1, PMB-2, and B-9) were analyzed for VOCs or PCBs. No soil or groundwater samples were obtained and analyzed from locations immediately downgradient from the main manufacturing building or the Bulk Chemical Storage Building.

5. The laboratory data sheets indicate samples Paper Mill, B-1/S-4 (vicinity of boiler house), B-5/S-4 (vicinity of boiler house), B-8/S-4 (vicinity of boiler house), B-12/S-4 (vicinity of boiler house), PM/B-1 (vicinity of paper mill), PM/B-2 (vicinity of paper mill), B-17/S-4 (vicinity of boiler house), B-18/S-4 (vicinity of boiler house), PM-Base (within the paper mill), and PM-Conf 2 (within the paper mill) were analyzed for TPH with motor oil as the standard. Please provide the Department with the rationale for use of the motor oil standard for these soil samples while other samples were analyzed using #2 fuel oil and #6 fuel oil standards.

Specifically, was the choice of the petroleum standard a reflection of ARC's or Aquarian's expectation or interpretation of the petroleum product present or likely to be present? If the petroleum product at these locations is interpreted to be motor oil or lubricating oil, duplicate soil samples from these locations should be analyzed for PCBs and RCRA 8 metals. The apparent distribution of "motor oil/lubricating oil" across the site indicates potential widespread ground surface application of waste oil. Therefore, additional site wide surface soil sampling for TPH, VOCs, polynuclear aromatic hydrocarbons (PAHs), RCRA 8 metals and PCBs and groundwater sampling and analysis for VOCs, PAHs, dissolved metals, and PCBs is required to adequately assess site conditions.

6. Composite soil sample Papermill-2 was prepared from grab samples from drummed soils that had been removed from the interior of the paper mill building. PCBs (1.7 mg/kg) and lead (430 mg/kg) were detected in composite sample Papermill-2 at concentrations that exceeded the S-1 soil standards of 1.0 mg/kg and 400 mg/kg, respectively. However, post-excavation confirmatory soil sample Conf. was not analyzed for PCBs and RCRA 8 metals. TPH was detected in sample Conf. at a concentration of 6,300 mg/kg relative to the S-1 standard of 10,000 mg/kg. The analytical data for sample Conf. indicates that the remaining soils still show impacts from the unidentified petroleum release (potential waste oil) and that compliance with the PCB and lead S-

1 standards has not been demonstrated. Therefore, additional soil sampling and analyses for PCBs and lead is required to determine the vertical and lateral limits of the contaminated soils and to determine whether the soil removal program achieved compliance with the S-1 soil standards. Additionally, it is not clear whether sample Conf. was a composite sample or a discrete sample. The dimensions of the final excavation were not provided in the report so the Department cannot determine whether the confirmatory soil sampling was adequate to demonstrate compliance with the S-1 soil standards. Therefore, additional soil sampling and TPH analysis may be required to demonstrate compliance with the S-1 TPH standard of 10,000 mg/kg.

The Department notes that composite soil sample PM Conf. 2 was reportedly obtained from the same excavation as sample Conf. PCBs were not detected in composite sample PM Conf. 2 and lead was detected in this composite soil sample at a concentration below the S-1 standard. However, the Department concludes that the analytical results for sample PM Conf. 2 are inconclusive because the sample was a composite sample prepared from several discrete samples.

7. PCBs (0.66 mg/kg) were detected in soil sample B-20/S-2 (adjacent to the paper mill building) at a concentration below the S-1 standard of 1 mg/kg. The depth at which this sample was obtained was not provided. However, Table 3 of the report indicates that soil samples were apparently obtained at five foot sampling intervals at most of the test boring locations during the subsurface exploration program. Therefore, the depth range at which soil sample B-20/S-2 was obtained is interpreted to be approximately 5 feet to 10 feet below the ground surface. No test boring logs or data indicating the depth to groundwater were provided with the report. Therefore, the depth to groundwater is interpreted to likely exceed 10 feet. Therefore, the presence of a detectable concentration of PCBs is interpreted to be indicative of a potential surface release of PCBs. Therefore, greater concentrations of PCBs, potentially exceeding the S-1 standard may be present at the ground surface in this area of the site. Additional soil sampling and analysis for TPH, VOCs, RCRA 8 metals, and PCBs is required to assess the significance of the PCB detection in this portion of the site.
8. Various PAHs were detected in soil samples at concentrations above the S-1 soil standards. Some of the soil samples were obtained in test borings where coal, coal cinders, coal and or wood ash, or asphalt were present. The Department does not regulate sites where PAHs and various metals are present in soils at concentrations above the S-1 standards solely due to the presence of coal, coal cinders, coal and wood ash, or asphalt. However, the Department recommends appropriate capping and recordation of a Notice of Activity and Use Restriction (AUR) to manage the potential direct exposure risk associated with these soils. Sufficient information must be submitted to support the claim that the PAHs and metals detected in the soils are present solely due to the presence of coal, coal cinders, coal and wood ash, or asphalt.

The Department does regulate sites where PAHs and metals associated with coal, coal cinders, coal and wood ash, or asphalt are present in the groundwater at concentrations above the applicable groundwater standards.

REQUESTED ACTIONS

The Department requests submittal of a work scope to conduct a site investigation to the Department no later than June 30, 2005. The work scope should include the requisite site investigation work necessary to:

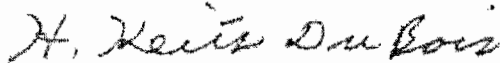
1. Assess the vertical and horizontal limits of all soil contaminants detected at the site at concentrations exceeding the S-1 soil standards, excluding TPH identified as #6 fuel oil and the individual constituents specifically associated with #6 fuel oil. The #6 fuel contamination was already addressed in the Oil Remediation & Compliance Bureau (ORCB) site investigation request dated March 28, 2005.
2. Assess the distribution of motor oil/lubricating oil, RCRA 8 metals, PAHs, and PCBs in the surface soils across the site.
3. Assess all past and present potential contaminant sources in full accordance with Env-Wm 1403.07 (d) (10) Groundwater Management and Groundwater Release Detection Permits – Site Investigation.
4. Assess site groundwater quality downgradient of all past and present potential contamination sources.

The information requested in comments #1, #2, #3, and #5 should be provided with the work scope.

The site investigation work requested in the Department's letter dated March 28, 2005, prepared by the ORCB, solely addresses the #6 fuel oil contamination at the site. The above work requested by the HWRB is not eligible for reimbursement under the New Hampshire Petroleum Storage Facility Fund.

If you have any questions or need additional information, please contact me at (603) 271-2987.

Sincerely,



H. Keith DuBois, P.G.
Hazardous Waste Remediation Bureau

H:\HWRB\Admin\H K DuBois\200009045 0505 lt.doc

cc: Michael Wimsatt, P.G. - NHDES/HWRB (via e-mail)
Karlee Kenison, P.G. - NHDES/HWRB (via e-mail)
Gary Lynn, P.G. - NHDES/ORCB (via e-mail)
William Evans, NHDES/ORCB (via e-mail)
James Zeppieri, P.G. - ARC Environmental Consultants, Inc.
Ashland Health Officer
File 2000009045



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

603-271-3503

FAX 603-271-2867

TDD Access: Relay NH 1-800-735-2964



August 5, 1992

Calvin A. Brown, Plant Engineer
L.W. Packard & Co.
6 Mill Street
Ashland, NH 03217

RE: ASHLAND, L.W. PACKARD & CO., CLOSURE REPORT (UST #0112818)

Dear Mr. Brown:

We were notified that underground storage tank(s) (USTs) located at the above listed facility was (were) permanently closed during the month of June 1992.

Results of the assessment including field screening and laboratory analysis of samples collected at the time of closure of the USTs must be submitted to this office immediately. Please submit the test data to:

New Hampshire Department of Environmental Services
Water Supply & Pollution Control Division
Oil Compliance Section
6 Hazen Drive, P.O. Box 95
Concord, NH 03302

Please note that the New Hampshire Department of Environmental Services records show that your facility is in non-compliance with the requirements of Env-Ws 411 and will remain a violation of these rules until the requested information is submitted.

Continued non-compliance with the requirements of Env-Ws 411 may result in fines and/or penalties as specified by RSA 146-C and Env-C 602.08.

Should you have any questions, please feel free to contact me at the Water Supply and Pollution Control Division at 271-3644.

Sincerely,

Nancy Kursewicz
Groundwater Protection Bureau

NMK/jeh/6579:9227

cc: Paul M. Currier, P.E., GPB
Lynn A. Woodard, P.E., OCS/GPB
File✓

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-1381

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

Appendix C

Soil Boring Logs and Groundwater Monitoring Well Details

Phone: (603) 364-2828		ARC ENVIRONMENTAL CONSULTANTS, INC. GILMANTON IRON WORKS, NEW HAMPSHIRE SOIL BORING LOG					Fax: (603) 364-2829	
Boring #: Soil boring for well MW-1 (B-1)			Project: L. W. Packard Parcel E			Project #: NHDES 200009045		
Project Address: Mill Street				Town: Ashland		State: NH		Zip: 03217
Date Start: August 22, 2006			Date End: August 22, 2005			Location: See Site Plan		
Driller: New Hampshire Boring, Inc.			Equipment: Mobile Drill B-59 Truck Mounted Drill Rig			Sampler: 24" split spoon sampler		
G R O U N D W A T E R O B S E R V A T I O N								
Date: 8/23	DEPTH: 18.5'						Stabilization Period: 24 hours	
DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION	
0							No samples taken from 0 to 5 feet, materials expected to be clean fill used to raise grade at loading dock	
1								
2								
3								
4								
5	S-1	5' – 7'	24"	10"	11-5-4-3	0	Loose, damp, dark brown very fine to fine sand, some pebble gravel, trace medium to very coarse sand, trace silt	
6								
7	S-2	7' – 9'	24"	20"	4-2-2-2	0	Very loose, damp, medium olive brown very fine to fine sand, trace silt, trace medium to very coarse sand, trace pebble gravel, trace clinkers	
8								
9	S-3	9' – 11'	24"	10"	4-2-3-3	0	Very loose, damp, dark brown silt and very fine sand, trace fine to very coarse sand, trace pebble gravel, trace clinkers	
10								
11	S-4	11' – 13'	24"	6"	3-2-5-7	0	Loose, damp, dark brown very fine to very coarse sand, trace silt, trace pebble gravel, trace clinkers	
12								
13	S-5	13' – 15'	24"	8"	10-9-7-7	0	Loose, damp, dark brown silt and very fine sand, trace very coarse sand, trace clinkers	
14								
15	S-6	15' – 17'	24"	10"	7-8-5-7	0	Loose, damp, dark brown very fine to very coarse sand, some pebble gravel, trace silt	
16								
17	S-7	17' – 19'	24"	12"	8-9-12-13	0	Medium dense, damp, medium brown very fine to fine sand, trace medium to very coarse sand, trace silt, trace pebble sized gravel, trace clinkers	
18								
19	S-8	19' – 21'	24"	5"	15-18-15-16	0	Medium dense, moist, medium olive brown very fine to fine sand, little silt, little pebble sized gravel	
20								
21	S-9	21' – 23'	24"	20"	16-23-24-21	0	Medium dense, moist, medium olive brown very fine to fine sand, little pebble sized gravel, little silt	
22								

L. W. Packard Parcel E
Soil Boring for MW-1 (B-1), Page 2

DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION
23	S-10	23' – 25'	24"	22"	22-16-17-21	0	Medium dense, moist, medium olive brown very fine to fine sand, little silt, trace pebble sized gravel
24							
25							Bottom of boring at 25'
Driller: Ken Smith			Helper: Carl Downing			Inspector: Jim Zeppieri	
Remarks: Hole advanced using drive and wash methods with roller bit and casing. Materials at and below 19' appear native. Dark brown color of materials to 17 feet expected to be due to ash mixed with sand and gravel fill.							
S#: Sample		PEN: Penetration			REC: Recovery		OVA – VOCs in ppm

Phone: (603) 364-2828		ARC ENVIRONMENTAL CONSULTANTS, INC. GILMANTON IRON WORKS, NEW HAMPSHIRE SOIL BORING LOG					Fax: (603) 364-2829	
Boring #: Soil boring for well MW-2 (B-2)			Project: L. W. Packard Parcel E			Project #: NHDES 200009045		
Project Address: Mill Street				Town: Ashland		State: NH		Zip: 03217
Date Start: August 22, 2006			Date End: August 22, 2005			Location: See Site Plan		
Driller: New Hampshire Boring, Inc.			Equipment: Mobile Drill B-59 Truck Mounted Drill Rig			Sampler: 24" split spoon sampler		
G R O U N D W A T E R O B S E R V A T I O N								
Date: 8/22		DEPTH: 12.5'					Stabilization Period: ½ hour	
DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION	
0	S-1	0' – 2'	24"	12"	3-5-1-2	<1	Very loose, damp, medium brown very fine to fine sand, little pebble gravel, trace medium to very coarse sand, trace silt	
1								
2	S-2	2' – 4'	24"	4"	2-3-5-6	0	Loose, damp, dark brown very fine to fine sand, trace silt, trace medium to very fine sand, trace rock fragments	
3								
4	S-3	4' – 6'	24"	5"	3-4-5-11	<1	Loose, dark brown dark brown very fine to fine sand, trace silt, trace medium to very fine sand, trace asphalt	
5								
6	S-4	6' – 8'	24"	12"	6-6-6-4	0	Loose, damp, dark brown very fine to fine sand, trace silt, trace medium to very coarse sand, trace clinkers/coal fragments	
7								
8	S-5	8' – 10'	24"	16"	4-2-1-2	0	Very loose, damp, dark brown very fine to fine sand, trace medium to very coarse sand, trace clinkers/coal fragments	
9								
10	S-6	10' – 10'11"	11"	3"	4-100/5"	0	Loose, moist, dark brown very fine to very coarse sand and gravel/rock fragments, roller bit through large cobble from 10'11" to 11'7", trace clinkers	
11								
12	S-7	12' – 13'2"	14"	14"	10-20-100/2"	1	Medium dense, wet, medium olive brown very fine to fine sand, trace medium to very coarse sand, trace pebble gravel, trace silt	
13								
14	S-8	14' – 14'11"	11"	8"	20-100/5"	1	Medium dense, wet, dark olive brown very fine to very coarse sand, some pebble gravel/rock fragments, trace silt, split spoon refusal at 14'11"	
15								
16								
17								
18								
19								

DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION
20							Bottom of boring at 20'
Driller: Ken Smith			Helper: Carl Downing			Inspector: Jim Zeppieri	
Remarks: Hole advanced using drive and wash methods with roller bit and casing, hole advanced with roller bit from 14'11" to 20' through coarse gravel, no samples obtained over this interval. Materials beyond about 11 feet expected to be native. Dark brown color observed through 10 feet expected to be due to ash mixed with sand and gravel fill materials.							
S#: Sample		PEN: Penetration			REC: Recovery		OVA – VOCs in ppm

Phone: (603) 364-2828		ARC ENVIRONMENTAL CONSULTANTS, INC. GILMANTON IRON WORKS, NEW HAMPSHIRE SOIL BORING LOG					Fax: (603) 364-2829	
Boring #: Soil boring for well MW-3 (B-3)			Project: L. W. Packard Parcel E			Project #: NHDES 200009045		
Project Address: Mill Street				Town: Ashland		State: NH		Zip: 03217
Date Start: August 23, 2006			Date End: August 23, 2005			Location: See Site Plan		
Driller: New Hampshire Boring, Inc.			Equipment: Mobile Drill B-59 Truck Mounted Drill Rig			Sampler: 24" split spoon sampler		
G R O U N D W A T E R O B S E R V A T I O N								
Date: 8/23	DEPTH: 18.5'						Stabilization Period: 1 hour	
DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION	
0	S-1	0' – 2'	24"	15"	3-5-9-20	0	Loose, damp, medium brown very fine sand and silt with some black staining, trace granules, trace pebbles	
1								
2	S-2	2' – 4'	24"	17"	18-29-58-48	0	Dense, damp, olive brown very fine to very coarse sand, some silt, little pebble sized gravel	
3								
4	S-3	4' – 5'3"	15"	12"	25-50-100/3"	0	Dense, dry, gray brown very fine to very coarse sand, some pebble sized gravel, little silt, rock fragments in bottom of spoon (fill material)	
5								
6	S-4	6' – 8'	14"	9"	3-19-100/2"	<1	Loose, brown fine sand to very coarse sand and cobble gravel, little granules and pebbles, trace silt, spoon banging on rock	
7								
8	S-5	8' – 10'	24"	13"	55-78-40-30	0	Very dense, damp, medium olive brown very fine to fine sand, some pebble sized gravel, little silt	
9								
10	S-6	10' – 12'	24"	14"	10-18-22-20	<1	Medium dense, damp, light olive brown fine and very fine sand, trace silt, trace pebbles	
11								
12	S-7	12' – 14'	24"	22"	30-30-33-38	<1	Dense, damp, light olive brown fine and very fine sand, trace silt, trace pebbles	
13								
14	S-8	14' – 16'	24"	8"	14-17-16-16	<1	Medium dense, damp, medium olive brown, silt and very fine to fine sand, little cobbles, little medium to very coarse sand	
15								
16	S-9	16' – 18'	24"	16"	19-10-14-15	<1	Medium dense, moist, dark orange brown medium to very coarse sand and gravel, trace silt, trace very fine to fine sand	
17								
18	S-10	18' – 20'	24"	14"	17-16-12-16	<1	Medium dense, moist, medium brown very fine to very coarse sand and gravel, trace silt	
19								
20								
21								
22								
23								
24								

DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION
25							Bottom of Boring at 25'
Driller: Ken Smith			Helper: Carl Downing			Inspector: Jim Zeppieri	
Remarks: Split spoon tool advanced at two foot intervals from 0 to 20 feet using drive and wash methods. Soils at and below 6' appear native. Roller bit from 20 to 25 feet using drive and wash methods without sample collection. Drilling returns and observations from 20' to 25' do not indicate bedrock encountered.							
S#: Sample		PEN: Penetration			REC: Recovery		OVA – VOCs in ppm

Phone: (603) 364-2828		ARC ENVIRONMENTAL CONSULTANTS, INC. GILMANTON IRON WORKS, NEW HAMPSHIRE SOIL BORING LOG				Fax: (603) 364-2829	
Boring #: Soil boring for well MW-4 (B-4)			Project: L. W. Packard Parcel E			Project #: NHDES 200009045	
Project Address: Mill Street			Town: Ashland			State: NH Zip: 03217	
Date Start: August 23, 2006			Date End: August 23, 2005			Location: See Site Plan	
Driller: New Hampshire Boring, Inc.			Equipment: Mobile Drill B-59 Truck Mounted Drill Rig			Sampler: 24" split spoon sampler	
G R O U N D W A T E R O B S E R V A T I O N							
Date: 8/23	DEPTH: 4'						Stabilization Period: ½ hour
DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION
0	S-1	0' – 2'	24"	6"	4-2-7-3	<1	Very loose, damp, dark brown sandy loam
1							
2	S-2	2' – 4'	24"	8"	3-4-4-7	<1	Loose, damp, medium brown silt and very fine to fine sand, trace pebbles
3							
4	S-3	4' – 6'	24"	20"	12-10-25-72	<1	Medium dense, wet, medium brown silt and very fine to fine sand, rock fragments in bottom of spoon
5							
6							Casing driven to 6.5 feet after sample S-3 collected, then roller bit to 20 feet
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							Bottom of boring at 20'
21							
22							
23							
24							
Driller: Ken Smith			Helper: Carl Downing			Inspector: Jim Zeppieri	
Remarks: Split spoon tool advanced at two foot intervals from 0 to 6 feet. Casing then driven to 6.5 feet, hole advanced with roller bit from 6.5 feet to 20 feet, no samples obtained over this interval. Based on drilling returns and observation, top of rock at 6.5 feet.							
S#: Sample		PEN: Penetration		REC: Recovery		OVA – VOCs in ppm	

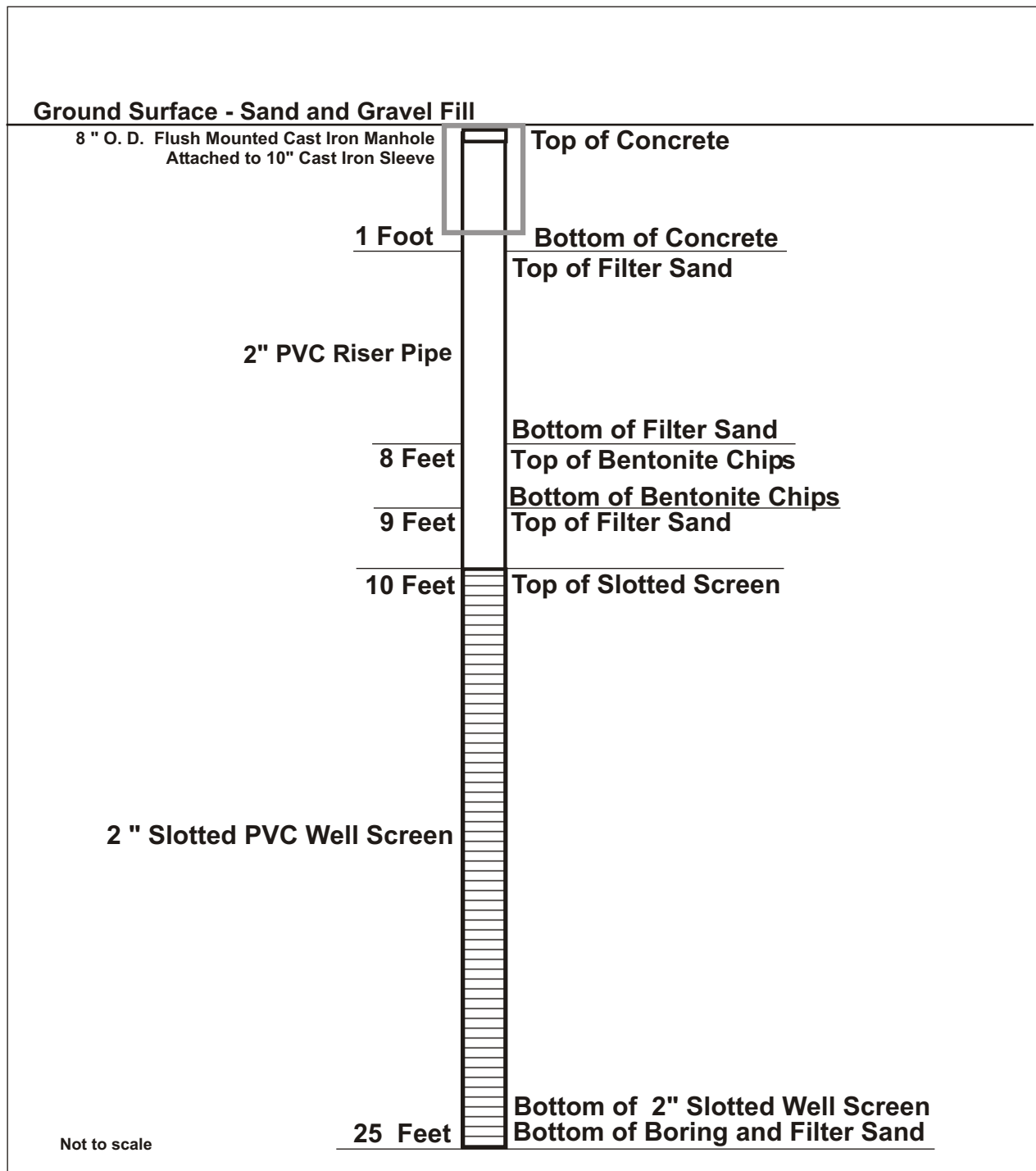
**Groundwater Monitoring
Well Schematic**

**Monitoring Well Number:
MW-1**

**Well Installation Date:
August 22, 2006**



**Project Name:
L. W. Packard and Company, Inc.
Parcel E
Mill Street
Ashland, New Hampshire
September 2006
NHDES No. 200009045**



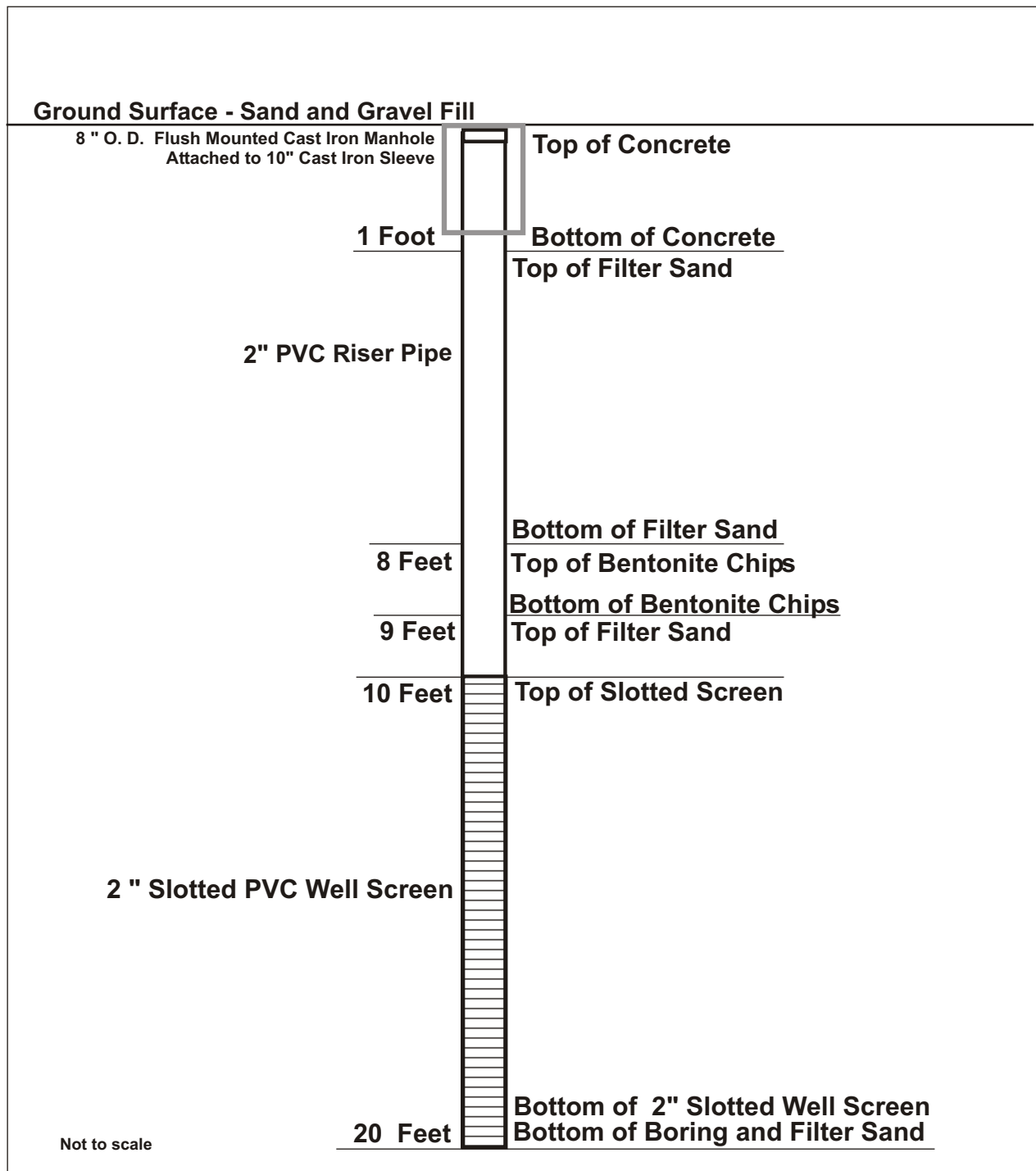
**Groundwater Monitoring
Well Schematic**

**Monitoring Well Number:
MW-2**

**Well Installation Date:
August 22, 2006**



**Project Name:
L. W. Packard and Company, Inc.
Parcel E
Mill Street
Ashland, New Hampshire
September 2006
NHDES No. 200009045**



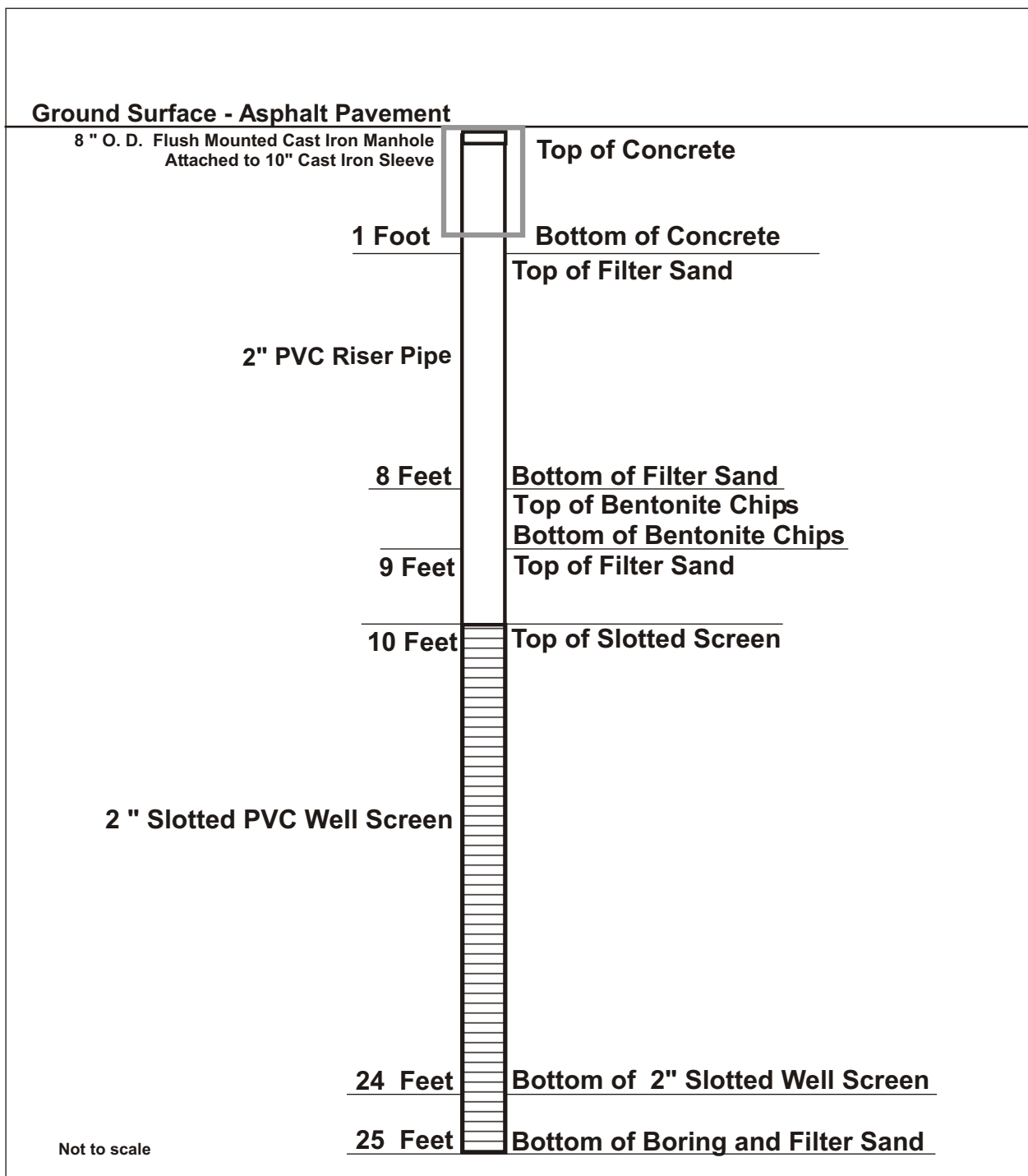
**Groundwater Monitoring
Well Schematic**

**Monitoring Well Number:
MW-3**

**Well Installation Date:
August 23, 2006**



**Project Name:
L. W. Packard and Company, Inc.
Parcel E
Mill Street
Ashland, New Hampshire
September 2006
NHDES No. 200009045**



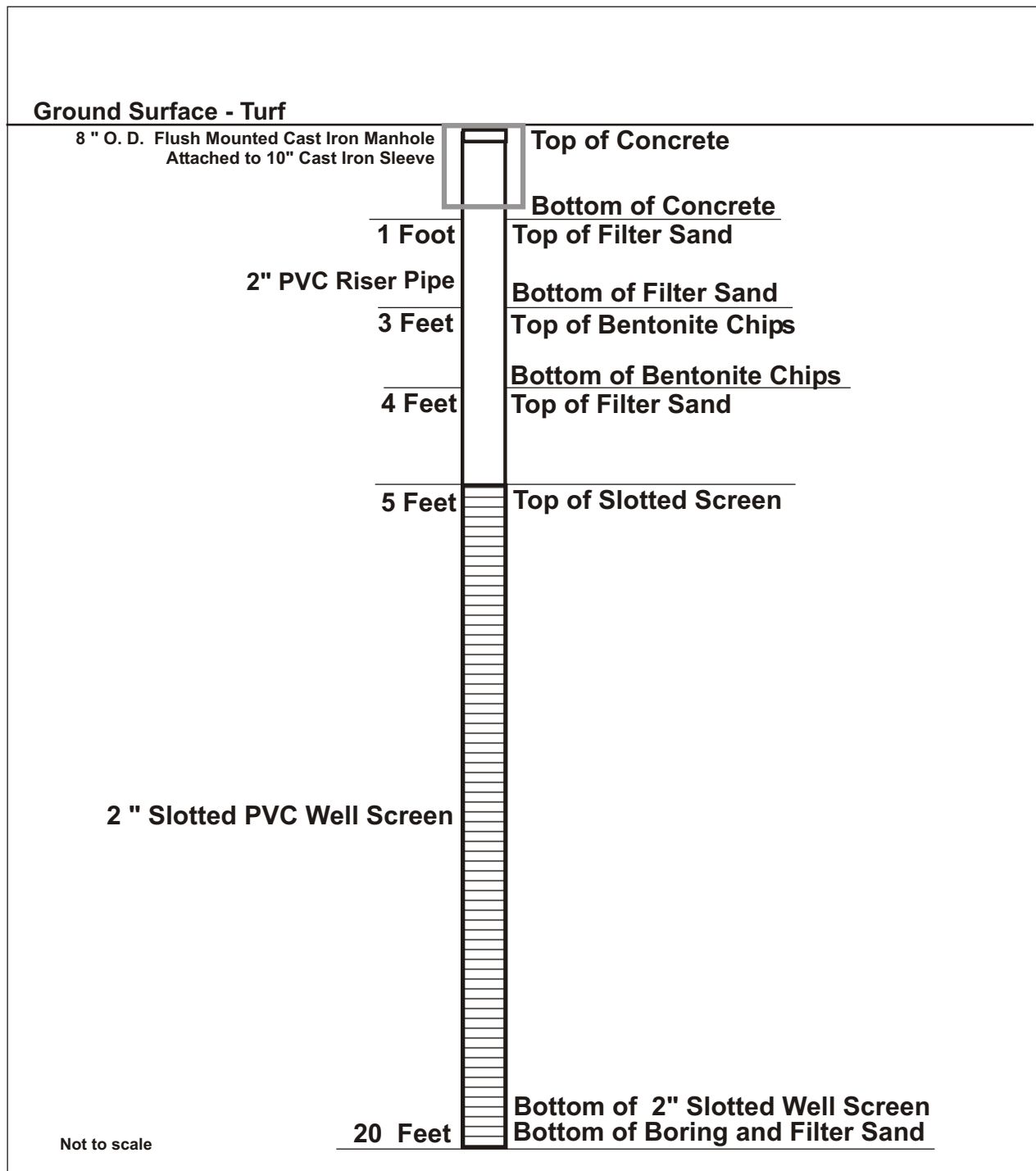
**Groundwater Monitoring
Well Schematic**

**Monitoring Well Number:
MW-4**

**Well Installation Date:
August 23, 2006**



**Project Name:
L. W. Packard and Company, Inc.
Parcel E
Mill Street
Ashland, New Hampshire
September 2006
NHDES No. 200009045**



Appendix D

Documents for 6,000 Gallon UST

Chemical Composition of Heatherlube B-7
Former 6,000 Gallon UST
L. W. Packard and Company Parcel E
Mill Street, Ashland, New Hampshire
UST Registration No. 0112818

CAS Number	Percent by Weight	Chemical
64742-53-6	26.86	hydrotreated light naphthenic distillate
64742-52-5	11.512	hydrotreated heavy naphthenic distillate
6471-96-4	38.372	solvent-refined heavy naphthenic petroleum distillate
788330-12-8	9.609	benzenesulfonic acid, mono- and di-C15-30-alkyl derivs, sodium salts
111-46-6	2.737	diethylene glycol
1310-58-3	1.299	potassium hydroxide
61790-12-3	5.695	tall oil acids
66455-14-9	1.051	C12 - C13 alcohol ethoxylates
9016-45-9	1.841	polyethylene glycol nonylphenyl ether
68987-86-0	0.100	methyl-isopropylated phenol
7732-18-5	0.828	water
828-00-2	0.096	dimethoxane



George A. Goulston Co., Inc.

Specialists in Fibre Lubricants



700 N. JOHNSON STREET, P.O. BOX 5025 MONROE, NC 28110-0525 TELEPHONE: 704-289-6464 TWX: 810-649-1355 FAX: 704-283-9110

August 17, 1989

Mr. Tim Deneysen
State of New Hampshire
Water Supply and Pollution Control Division
6 Hazen Drive
Post Office Box 95
Concord, NH 03301

Dear Mr. Deneysen:

Pursuant to our phone conversation last week, I am enclosing the composition of Heatherlube B-7. As you will recall, this is the product which Packard Mills is proposing to store in their underground storage tank. As you will note when you review the formulation, the components which comprise Heatherlube B-7 are not considered hazardous under RCRA, CERCLA, or EPCRA.

I trust that this information will be adequate for your review. Please contact me if I can be of further assistance.

Cordially,

GEORGE A. GOULSTON CO., INC.

Thirby G. Harrill
Manager - Toxicology &
Environmental Affairs

TGH:jsh

Enclosures

cc: Mr. Calvin Brown
Packard Mills
Ms. Dyanne Moeller
Goulston, Scituate

Spoke E Calvin Brown
9/6/89.
TK. 3
REMARKED "OIL"
TEST, ETC.
must
TRD

2818

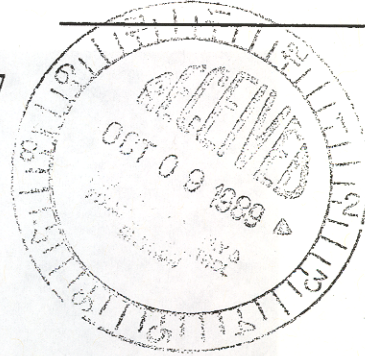
L.W. PACKARD & COMPANY, INC.

FAX # (603)968-7649

Woolen Manufacturers
6 Mill Street
Ashland, New Hampshire 03217
Telephone (603)968-3351

Telex # 754245

October 5, 1989



Mr. Tim Denison
State of New Hampshire
Dept. of Environmental Services
Water Supply and Pollution Control Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03301

Dear Tim:

062818

Please be advised that the L.W. Packard & Company, Inc. underground mineral oil tank has passed the tightness test on October 4, 1989. Testing was performed by Jet-Line Services of Dover, NH.

Jet-Line will confirm to your Department by letter.

Please call me at 1-968-3351, if you have any questions.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Calvin Brown'.

Calvin Brown
Plant Engineer

0112818

ASHLAND

RECEIVED

JUN 24 1992

DEPARTMENT OF
ENVIRONMENTAL SERVICES

Lynn Woodard, P.E., Supervisor
Oil Compliance Section
Ground Water Protection Bureau
Department of Environmental Services
6 Hazen Drive
Concord, N.H. 03302

Dear Lynn,

The L.W. Packard and Co., Inc. has removed its 6000 gal. underground mineral oil storage tank. The tank was still in good condition and there was no leakage. Date of removal was June 22, 1992. There are no more underground tanks on the L.W. Packard and Co., Inc. property.

For the L.W. Packard and Co., Inc.

Calvin Brown

Calvin A. Brown, Plant Engineer.

technical data report



GEORGE A. GOULSTON COMPANY

GEORGE A. GOULSTON CO., INC.

CONFIDENTIAL FORMULATION

HEATHERLUBE B-7

<u>CAS NUMBER</u>	<u>% by Weight</u>
64742-53-6	26.860
64742-52-5	11.512
64741-96-4	38.372
78330-12-8	9.609
111-46-6	2.737
1310-58-3	1.299
61790-12-3	5.695
66455-14-9	1.051
9016-45-9	1.841
68987-86-0	0.100
7732-18-5	0.828
828-00-2	0.096
	100.000

Appendix E

Laboratory Data Sheets



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

09-15-2006, 10:55

Mr. Jim Zeppieri
ARC Environmental Consultants
P.O. Box 116
Gilmanton I.W., N.H. 03837-0116

Dear Mr. Zeppieri:

Please find enclosed the reports, and invoice for the samples that were logged in on, 08-31-2006.

AAI Sample	Date Sampled	Project Description	Sample Location
102265	08-31-2006	PACKARD STEAM LAUNDRY	MW-1
102266	08-31-2006	PACKARD STEAM LAUNDRY	MW-2
102267	08-31-2006	PACKARD STEAM LAUNDRY	MW-3
102268	08-31-2006	PACKARD STEAM LAUNDRY	MW-4
102269	08-31-2006	PACKARD STEAM LAUNDRY	OW-1

To perform these analyses, the following methods were used:

QTY. EPA Methodologies/Applications

5 VOC+PAH EPA-8260/524+8270/525
35 Metals analysis (excluding mercury)
5 Mercury analysis

Thank you for using Aquarian Analytical Inc. on this project.
If I can be of any further help, please feel free to call.

Sincerely,

William M. Rice
Laboratory Director
Total Pages = 24

doc. # L24317



AQUARIAN ANALYTICAL INC.

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09-15-2006, 10:55

Project: PACKARD STEAM LAUNDRY

As part of Aquarian's ongoing quality assurance program, all analyses included the following quality assurance measures.

Samples were received in an acceptable condition.

Samples were prepared and analyzed within the appropriate hold time specified in the method referred to on the analyses sheet.

The instrument that was used for the analyses was calibrated and/or tuned at the required frequency.

A daily calibration check was performed.

A daily blank was run, and contamination was not observed at levels that would affect the analyses.

For all work, internal standards, and surrogates gave appropriate response levels.

Matrix spikes were added where appropriate, and recoveries were within the acceptable range.

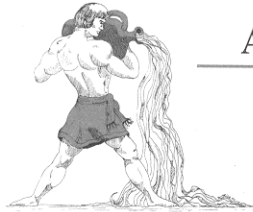
Duplicates were run at the frequency specified in the applicable state or federal regulations.

In addition to the above steps, all original-raw data is on file at Aquarian Analytical's offices for inspection when required.

Exceptions (if any)



Certification



AQUARIAN ANALYTICAL INC.

Laboratory Services

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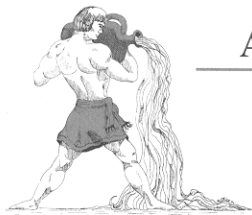
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Page 1 of 2

Sample # 102265 Volatile Organic Report & Oxygenates
09-15-2006,10:49

Project = PACKARD STEAM LAUNDRY Matrix = Water
Date Sampled = 08-31-2006,11:50 Sampler = ANDY ROBICHAUD
Date Logged In = 08-31-2006,14:13 Location = MW-1
Date of Analysis = 09-08-2006 Town = ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Benzene	BD	2
Bromobenzene	BD	2
Bromodichloromethane	BD	2
Bromoform	BD	2
Bromomethane	BD	2
Bromochloromethane	BD	2
n-Butylbenzene	BD	2
sec-Butylbenzene	BD	2
tert-Butylbenzene	BD	2
Carbon-Tetrachloride	BD	2
Chlorobenzene	BD	2
Chloroethane	BD	2
Chloroform	BD	2
Chloromethane	BD	6
2-Chlorotoluene	BD	2
4-Chlorotoluene	BD	2
Dibromochloromethane	BD	2
1,2 Dibromo-3-Chloropropane	BD	2
1,2 Dibromoethane	BD	2
Dibromomethane	BD	2
1,2 Dichlorobenzene	BD	2
1,3 Dichlorobenzene	BD	2
1,4 Dichlorobenzene	BD	2
Dichlorodifluoromethane	BD	5
1,1 Dichloroethane	BD	2
1,2 Dichloroethane	BD	2
1,1 Dichloroethene	BD	2
cis-1,2 Dichloroethene	BD	2
trans-1,2 Dichloroethene	BD	2
1,2 Dichloropropane	BD	4
1,3 Dichloropropane	BD	2
2,2 Dichloropropane	BD	2
1,1 Dichloropropene	BD	2
cis-1,3 Dichloropropene	BD	2
trans-1,3 Dichloropropene	BD	2
Ethylbenzene	BD	2
Hexachlorobutadiene	BD	4
Isopropylbenzene	BD	2
p-Isopropyltoluene	BD	2



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Page 2 of 2

Sample # 102265

Volatile Organic Report & Oxygenates
09-15-2006,10:49

Project = PACKARD STEAM LAUNDRY
Date Sampled = 08-31-2006,11:50
Date Logged In = 08-31-2006,14:13
Date of Analysis = 09-08-2006

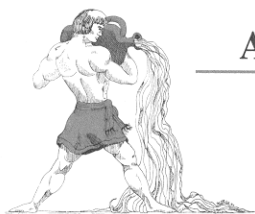
Matrix = Water
Sampler = ANDY ROBICHAUD
Location = MW-1
Town = ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Methylene Chloride	BD	4
Naphthalene	BD	4
n-Propylbenzene	BD	2
Styrene	BD	2
1,1,1,2 Tetrachloroethane	BD	2
1,1,2,2 Tetrachloroethane	BD	2
Tetrachloroethene	BD	2
Toluene	BD	2
1,2,3 Trichlorobenzene	BD	4
1,2,4 Trichlorobenzene	BD	4
1,1,1 Trichloroethane	BD	2
1,1,2 Trichloroethane	BD	2
Trichloroethene	BD	2
Trichlorofluoromethane	BD	4
1,2,3 Trichloropropane	BD	2
1,2,4 Trimethylbenzene	BD	2
1,3,5 Trimethylbenzene	BD	2
Vinyl Chloride	BD	2
o-Xylene	BD	2
m&p-Xylene	BD	2
Ethyl Ether	BD	30
Acetone	BD	100
Methylethylketone MEK	BD	50
Methylisobutylketone	BD	50
Tetrahydrofuran	BD	30
Methyl-t-butyl ether	BD	2
Carbon Disulfide	BD	7
2-Hexanone	BD	50
Diisopropylether	BD	4
Tertbutyl Alcohol	BD	20
Tertamylmethylether	BD	4
Ethyltertbutylether	BD	4

Comments:

Method of Analyses = EPA-8260B > or < = estimated result

BD = Below Detection Limit - Results are in parts per billion (ppb).



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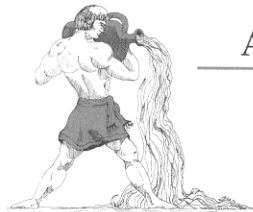
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Page 1 of 2

Sample # 102266 Volatile Organic Report & Oxygenates
09-15-2006,10:49

Project	=	PACKARD STEAM LAUNDRY	Matrix	=	Water
Date Sampled	=	08-31-2006,12:30	Sampler	=	ANDY ROBICHAUD
Date Logged In	=	08-31-2006,14:16	Location	=	MW-2
Date of Analysis	=	09-08-2006	Town	=	ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Benzene	BD	2
Bromobenzene	BD	2
Bromodichloromethane	BD	2
Bromoform	BD	2
Bromomethane	BD	2
Bromochloromethane	BD	2
n-Butylbenzene	BD	2
sec-Butylbenzene	BD	2
tert-Butylbenzene	BD	2
Carbon-Tetrachloride	BD	2
Chlorobenzene	BD	2
Chloroethane	BD	2
Chloroform	BD	2
Chloromethane	BD	6
2-Chlorotoluene	BD	2
4-Chlorotoluene	BD	2
Dibromochloromethane	BD	2
1,2 Dibromo-3-Chloropropane	BD	2
1,2 Dibromoethane	BD	2
Dibromomethane	BD	2
1,2 Dichlorobenzene	BD	2
1,3 Dichlorobenzene	BD	2
1,4 Dichlorobenzene	BD	2
Dichlorodifluoromethane	BD	5
1,1 Dichloroethane	BD	2
1,2 Dichloroethane	BD	2
1,1 Dichloroethene	BD	2
cis-1,2 Dichloroethene	BD	2
trans-1,2 Dichloroethene	BD	2
1,2 Dichloropropane	BD	4
1,3 Dichloropropane	BD	2
2,2 Dichloropropane	BD	2
1,1 Dichloropropene	BD	2
cis-1,3 Dichloropropene	BD	2
trans-1,3 Dichloropropene	BD	2
Ethylbenzene	BD	2
Hexachlorobutadiene	BD	4
Isopropylbenzene	BD	2
p-Isopropyltoluene	BD	2



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Page 2 of 2

Sample # 102266

Volatile Organic Report & Oxygenates
09-15-2006,10:49

Project = PACKARD STEAM LAUNDRY
Date Sampled = 08-31-2006,12:30
Date Logged In = 08-31-2006,14:16
Date of Analysis = 09-08-2006

Matrix = Water
Sampler = ANDY ROBICHAUD
Location = MW-2
Town = ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Methylene Chloride	BD	4
Naphthalene	BD	4
n-Propylbenzene	BD	2
Styrene	BD	2
1,1,1,2 Tetrachloroethane	BD	2
1,1,2,2 Tetrachloroethane	BD	2
Tetrachloroethene	BD	2
Toluene	BD	2
1,2,3 Trichlorobenzene	BD	4
1,2,4 Trichlorobenzene	BD	4
1,1,1 Trichloroethane	BD	2
1,1,2 Trichloroethane	BD	2
Trichloroethene	BD	2
Trichlorofluoromethane	BD	4
1,2,3 Trichloropropane	BD	2
1,2,4 Trimethylbenzene	BD	2
1,3,5 Trimethylbenzene	BD	2
Vinyl Chloride	BD	2
o-Xylene	BD	2
m&p-Xylene	BD	2
Ethyl Ether	BD	30
Acetone	BD	100
Methylethylketone MEK	BD	50
Methylisobutylketone	BD	50
Tetrahydrofuran	BD	30
Methyl-t-butyl ether	BD	2
Carbon Disulfide	BD	7
2-Hexanone	BD	50
Diisopropylether	BD	4
Tertbutyl Alcohol	BD	20
Tertamylmethylether	BD	4
Ethyltertbutylether	BD	4

Comments:

Method of Analyses = EPA-8260B > or < = estimated result

BD = Below Detection Limit - Results are in parts per billion (ppb).



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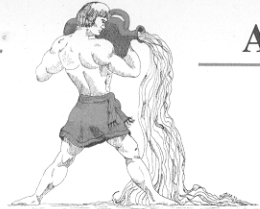
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Page 1 of 2

Sample # 102267 Volatile Organic Report & Oxygenates
09-15-2006,10:49

Project	=	PACKARD STEAM LAUNDRY	Matrix	=	Water
Date Sampled	=	08-31-2006,12:10	Sampler	=	ANDY ROBICHAUD
Date Logged In	=	08-31-2006,14:17	Location	=	MW-3
Date of Analysis	=	09-09-2006	Town	=	ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Benzene	BD	2
Bromobenzene	BD	2
Bromodichloromethane	BD	2
Bromoform	BD	2
Bromomethane	BD	2
Bromochloromethane	BD	2
n-Butylbenzene	BD	2
sec-Butylbenzene	BD	2
tert-Butylbenzene	BD	2
Carbon-Tetrachloride	BD	2
Chlorobenzene	BD	2
Chloroethane	BD	2
Chloroform	BD	2
Chloromethane	BD	6
2-Chlorotoluene	BD	2
4-Chlorotoluene	BD	2
Dibromochloromethane	BD	2
1,2 Dibromo-3-Chloropropane	BD	2
1,2 Dibromoethane	BD	2
Dibromomethane	BD	2
1,2 Dichlorobenzene	BD	2
1,3 Dichlorobenzene	BD	2
1,4 Dichlorobenzene	BD	2
Dichlorodifluoromethane	BD	5
1,1 Dichloroethane	BD	2
1,2 Dichloroethane	BD	2
1,1 Dichloroethene	BD	2
cis-1,2 Dichloroethene	BD	2
trans-1,2 Dichloroethene	BD	2
1,2 Dichloropropane	BD	4
1,3 Dichloropropane	BD	2
2,2 Dichloropropane	BD	2
1,1 Dichloropropene	BD	2
cis-1,3 Dichloropropene	BD	2
trans-1,3 Dichloropropene	BD	2
Ethylbenzene	BD	2
Hexachlorobutadiene	BD	4
Isopropylbenzene	BD	2
p-Isopropyltoluene	BD	2



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Page 2 of 2

Sample # 102267

Volatile Organic Report & Oxygenates
09-15-2006,10:50

Project = PACKARD STEAM LAUNDRY
Date Sampled = 08-31-2006,12:10
Date Logged In = 08-31-2006,14:17
Date of Analysis = 09-09-2006

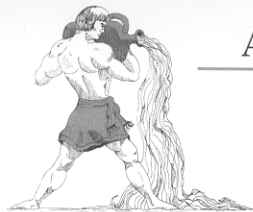
Matrix = Water
Sampler = ANDY ROBICHAUD
Location = MW-3
Town = ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Methylene Chloride	BD	4
Naphthalene	BD	4
n-Propylbenzene	BD	2
Styrene	BD	2
1,1,1,2 Tetrachloroethane	BD	2
1,1,2,2 Tetrachloroethane	BD	2
Tetrachloroethene	BD	2
Toluene	BD	2
1,2,3 Trichlorobenzene	BD	4
1,2,4 Trichlorobenzene	BD	4
1,1,1 Trichloroethane	BD	2
1,1,2 Trichloroethane	BD	2
Trichloroethene	BD	2
Trichlorofluoromethane	BD	4
1,2,3 Trichloropropane	BD	2
1,2,4 Trimethylbenzene	BD	2
1,3,5 Trimethylbenzene	BD	2
Vinyl Chloride	BD	2
o-Xylene	BD	2
m&p-Xylene	BD	2
Ethyl Ether	BD	30
Acetone	BD	100
Methylethylketone MEK	BD	50
Methylisobutylketone	BD	50
Tetrahydrofuran	BD	30
Methyl-t-butyl ether	BD	2
Carbon Disulfide	BD	7
2-Hexanone	BD	50
Diisopropylether	BD	4
Tertbutyl Alcohol	BD	20
Tertamylmethylether	BD	4
Ethyltertbutylether	BD	4

Comments:

Method of Analyses = EPA-8260B > or < = estimated result

BD = Below Detection Limit - Results are in parts per billion (ppb).



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Page 1 of 2

Sample # 102268

Volatile Organic Report & Oxygenates

09-15-2006, 10:50

Project = PACKARD STEAM LAUNDRY

Date Sampled = 08-31-2006, 12:40

Date Logged In = 08-31-2006, 14:17

Date of Analysis = 09-12-2006

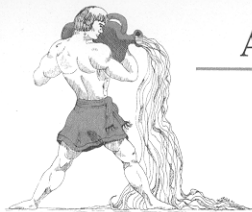
Matrix = Water

Sampler = ANDY ROBICHAUD

Location = MW-4

Town = ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Benzene	BD	2
Bromobenzene	BD	2
Bromodichloromethane	BD	2
Bromoform	BD	2
Bromomethane	BD	2
Bromochloromethane	BD	2
n-Butylbenzene	BD	2
sec-Butylbenzene	BD	2
tert-Butylbenzene	BD	2
Carbon-Tetrachloride	BD	2
Chlorobenzene	BD	2
Chloroethane	BD	2
Chloroform	BD	2
Chloromethane	BD	6
2-Chlorotoluene	BD	2
4-Chlorotoluene	BD	2
Dibromochloromethane	BD	2
1,2 Dibromo-3-Chloropropane	BD	2
1,2 Dibromoethane	BD	2
Dibromomethane	BD	2
1,2 Dichlorobenzene	BD	2
1,3 Dichlorobenzene	BD	2
1,4 Dichlorobenzene	BD	2
Dichlorodifluoromethane	BD	5
1,1 Dichloroethane	BD	2
1,2 Dichloroethane	BD	2
1,1 Dichloroethene	BD	2
cis-1,2 Dichloroethene	BD	2
trans-1,2 Dichloroethene	BD	2
1,2 Dichloropropane	BD	4
1,3 Dichloropropane	BD	2
2,2 Dichloropropane	BD	2
1,1 Dichloropropene	BD	2
cis-1,3 Dichloropropene	BD	2
trans-1,3 Dichloropropene	BD	2
Ethylbenzene	BD	2
Hexachlorobutadiene	BD	4
Isopropylbenzene	BD	2
p-Isopropyltoluene	BD	2



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Page 2 of 2

Sample # 102268

Volatile Organic Report & Oxygenates
09-15-2006,10:50

Project = PACKARD STEAM LAUNDRY
Date Sampled = 08-31-2006,12:40
Date Logged In = 08-31-2006,14:17
Date of Analysis = 09-12-2006

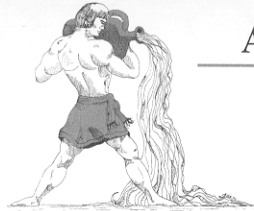
Matrix = Water
Sampler = ANDY ROBICHAUD
Location = MW-4
Town = ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Methylene Chloride	BD	4
Naphthalene	BD	4
n-Propylbenzene	BD	2
Styrene	BD	2
1,1,1,2 Tetrachloroethane	BD	2
1,1,2,2 Tetrachloroethane	BD	2
Tetrachloroethene	BD	2
Toluene	BD	2
1,2,3 Trichlorobenzene	BD	4
1,2,4 Trichlorobenzene	BD	4
1,1,1 Trichloroethane	BD	2
1,1,2 Trichloroethane	BD	2
Trichloroethene	BD	2
Trichlorofluoromethane	BD	4
1,2,3 Trichloropropane	BD	2
1,2,4 Trimethylbenzene	BD	2
1,3,5 Trimethylbenzene	BD	2
Vinyl Chloride	BD	2
o-Xylene	BD	2
m&p-Xylene	BD	2
Ethyl Ether	BD	30
Acetone	BD	100
Methylethylketone MEK	BD	50
Methylisobutylketone	BD	50
Tetrahydrofuran	BD	30
Methyl-t-butyl ether	BD	2
Carbon Disulfide	BD	7
2-Hexanone	BD	50
Diisopropylether	BD	4
Tertbutyl Alcohol	BD	20
Tertamylmethylether	BD	4
Ethyltertbutylether	BD	4

Comments:

Method of Analyses = EPA-8260B > or < = estimated result

BD = Below Detection Limit - Results are in parts per billion (ppb).



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Page 1 of 2

Sample # 102269 Volatile Organic Report & Oxygenates
09-15-2006,10:50

Project	=	PACKARD STEAM LAUNDRY	Matrix	=	Water
Date Sampled	=	08-31-2006,13:10	Sampler	=	ANDY ROBICHAUD
Date Logged In	=	08-31-2006,14:17	Location	=	OW-1
Date of Analysis	=	09-12-2006	Town	=	ASHLAND

Organic Compound	Result ug/L	Det. Lim. ug/L
Benzene	BD	2
Bromobenzene	BD	2
Bromodichloromethane	BD	2
Bromoform	BD	2
Bromomethane	BD	2
Bromochloromethane	BD	2
n-Butylbenzene	BD	2
sec-Butylbenzene	BD	2
tert-Butylbenzene	BD	2
Carbon-Tetrachloride	BD	2
Chlorobenzene	BD	2
Chloroethane	BD	2
Chloroform	BD	2
Chloromethane	BD	6
2-Chlorotoluene	BD	2
4-Chlorotoluene	BD	2
Dibromochloromethane	BD	2
1,2 Dibromo-3-Chloropropane	BD	2
1,2 Dibromoethane	BD	2
Dibromomethane	BD	2
1,2 Dichlorobenzene	BD	2
1,3 Dichlorobenzene	BD	2
1,4 Dichlorobenzene	BD	2
Dichlorodifluoromethane	BD	5
1,1 Dichloroethane	BD	2
1,2 Dichloroethane	BD	2
1,1 Dichloroethene	BD	2
cis-1,2 Dichloroethene	BD	2
trans-1,2 Dichloroethene	BD	2
1,2 Dichloropropane	BD	4
1,3 Dichloropropane	BD	2
2,2 Dichloropropane	BD	2
1,1 Dichloropropene	BD	2
cis-1,3 Dichloropropene	BD	2
trans-1,3 Dichloropropene	BD	2
Ethylbenzene	BD	2
Hexachlorobutadiene	BD	4
Isopropylbenzene	BD	2
p-Isopropyltoluene	BD	2



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Sample # 102269

Volatile Organic Report & Oxygenates
09-15-2006, 10:50

Project = PACKARD STEAM LAUNDRY
Date Sampled = 08-31-2006, 13:10
Date Logged In = 08-31-2006, 14:17
Date of Analysis = 09-12-2006

Matrix = Water
Sampler = ANDY ROBICHAUD
Location = OW-1
Town = ASHLAND

Organic Compound

Result ug/L

Det. Lim. ug/L

Methylene Chloride	BD	4
Naphthalene	BD	4
n-Propylbenzene	BD	2
Styrene	BD	2
1,1,1,2 Tetrachloroethane	BD	2
1,1,2,2 Tetrachloroethane	BD	2
Tetrachloroethene	BD	2
Toluene	BD	2
1,2,3 Trichlorobenzene	BD	4
1,2,4 Trichlorobenzene	BD	4
1,1,1 Trichloroethane	BD	2
1,1,2 Trichloroethane	BD	2
Trichloroethene	BD	2
Trichlorofluoromethane	BD	4
1,2,3 Trichloropropane	BD	2
1,2,4 Trimethylbenzene	BD	2
1,3,5 Trimethylbenzene	BD	2
Vinyl Chloride	BD	2
o-Xylene	BD	2
m&p-Xylene	BD	2
Ethyl Ether	BD	30
Acetone	BD	100
Methylethylketone MEK	BD	50
Methylisobutylketone	BD	50
Tetrahydrofuran	BD	30
Methyl-t-butyl ether	BD	2
Carbon Disulfide	BD	7
2-Hexanone	BD	50
Diisopropylether	BD	4
Tertbutyl Alcohol	BD	20
Tertamylmethylether	BD	4
Ethyltertbutylether	BD	4

Comments:

Method of Analyses = EPA-8260B > or < = estimated result

BD = Below Detection Limit - Results are in parts per billion (ppb).



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Poly Aromatic Hydrocarbon Report

09-15-2006, 10:51

Sample102265

Date Sampled = 08-31-2006, 11:50 Sampler = ANDY ROBICHAUD
Date Logged In = 08-31-2006, 14:13 Location = MW-1
Extraction Date = 09-05-2006 Town = ASHLAND
Analysis Date = 09-13-2006 Matrix = Water

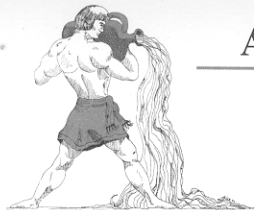
Organic Compound	Result ug/L	Det. Lim. ug/L
Acenaphthene	BD	0.50
Acenaphthylene	BD	0.50
Anthracene	BD	0.50
Benzo (a) anthracene	BD	0.50
Benzo (b) fluoranthene	BD	0.50
Benzo (k) fluoranthene	BD	0.50
Benzo (ghi) perylene	BD	0.50
Benzo (a) pyrene	BD	0.50
Chrysene	BD	0.50
Dibenzo (a,h) anthracene	BD	0.50
Fluoranthene	BD	0.50
Fluorene	BD	0.50
Indeno (1,2,3-cd) pyrene	BD	0.50
Naphthalene	BD	0.50
Phenanthrene	BD	0.50
Pyrene	BD	0.50
2-Methylnaphthalene	BD	0.50
1-Methylnaphthalene	BD	0.50

Comments:

BD = Below Detection Limit

Method of Analyses = EPA-8270

All Results are in parts per billion (ppb), except as noted.



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Poly Aromatic Hydrocarbon Report

09-15-2006, 10:51

Sample 102266

Date Sampled = 08-31-2006, 12:30 Sampler = ANDY ROBICHAUD
Date Logged In = 08-31-2006, 14:16 Location = MW-2
Extraction Date = 09-05-2006 Town = ASHLAND
Analysis Date = 09-13-2006 Matrix = Water

Organic Compound	Result ug/L	Det. Lim. ug/L
Acenaphthene	BD	0.50
Acenaphthylene	BD	0.50
Anthracene	BD	0.50
Benzo (a) anthracene	BD	0.50
Benzo (b) fluoranthene	BD	0.50
Benzo (k) fluoranthene	BD	0.50
Benzo (ghi) perylene	BD	0.50
Benzo (a) pyrene	BD	0.50
Chrysene	BD	0.50
Dibenzo (a,h) anthracene	BD	0.50
Fluoranthene	BD	0.50
Fluorene	BD	0.50
Indeno (1,2,3-cd) pyrene	BD	0.50
Naphthalene	BD	0.50
Phenanthrene	BD	0.50
Pyrene	BD	0.50
2-Methylnaphthalene	BD	0.50
1-Methylnaphthalene	BD	0.50

Comments:

BD = Below Detection Limit

Method of Analyses = EPA-8270

All Results are in parts per billion (ppb), except as noted.



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Poly Aromatic Hydrocarbon Report

09-15-2006, 10:51

Sample102267

Date Sampled = 08-31-2006, 12:10 Sampler = ANDY ROBICHAUD
Date Logged In = 08-31-2006, 14:17 Location = MW-3
Extraction Date = 09-05-2006 Town = ASHLAND
Analysis Date = 09-13-2006 Matrix = Water

Organic Compound	Result ug/L	Det. Lim. ug/L
Acenaphthene	BD	0.50
Acenaphthylene	BD	0.50
Anthracene	BD	0.50
Benzo (a) anthracene	BD	0.50
Benzo (b) fluoranthene	BD	0.50
Benzo (k) fluoranthene	BD	0.50
Benzo (ghi) perylene	BD	0.50
Benzo (a) pyrene	BD	0.50
Chrysene	BD	0.50
Dibenzo (a,h) anthracene	BD	0.50
Fluoranthene	BD	0.50
Fluorene	BD	0.50
Indeno (1,2,3-cd) pyrene	BD	0.50
Naphthalene	BD	0.50
Phenanthrene	BD	0.50
Pyrene	BD	0.50
2-Methylnaphthalene	BD	0.50
1-Methylnaphthalene	BD	0.50

Comments:

BD = Below Detection Limit

Method of Analyses = EPA-8270

All Results are in parts per billion (ppb), except as noted.



AQUARIAN ANALYTICAL INC.

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Poly Aromatic Hydrocarbon Report

09-15-2006, 10:51

Sample102268

Date Sampled = 08-31-2006, 12:40 Sampler = ANDY ROBICHAUD
Date Logged In = 08-31-2006, 14:17 Location = MW-4
Extraction Date = 09-05-2006 Town = ASHLAND
Analysis Date = 09-13-2006 Matrix = Water

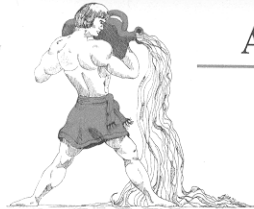
Organic Compound	Result ug/L	Det. Lim. ug/L
Acenaphthene	BD	0.50
Acenaphthylene	BD	0.50
Anthracene	BD	0.50
Benzo (a) anthracene	BD	0.50
Benzo (b) fluoranthene	BD	0.50
Benzo (k) fluoranthene	BD	0.50
Benzo (ghi) perylene	BD	0.50
Benzo (a) pyrene	BD	0.50
Chrysene	BD	0.50
Dibenzo (a,h) anthracene	BD	0.50
Fluoranthene	BD	0.50
Fluorene	BD	0.50
Indeno (1,2,3-cd) pyrene	BD	0.50
Naphthalene	BD	2.00
Phenanthrene	BD	0.50
Pyrene	BD	0.50
2-Methylnaphthalene	BD	0.50
1-Methylnaphthalene	BD	0.50

Comments:

BD = Below Detection Limit

Method of Analyses = EPA-8270

All Results are in parts per billion (ppb), except as noted.



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Poly Aromatic Hydrocarbon Report

09-15-2006, 10:51

Sample 102269

Date Sampled = 08-31-2006, 13:10 Sampler = ANDY ROBICHAUD
Date Logged In = 08-31-2006, 14:17 Location = OW-1
Extraction Date = 09-05-2006 Town = ASHLAND
Analysis Date = 09-13-2006 Matrix = Water

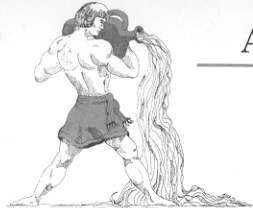
Organic Compound	Result ug/L	Det. Lim. ug/L
Acenaphthene	BD	0.50
Acenaphthylene	BD	0.50
Anthracene	BD	0.50
Benzo (a) anthracene	BD	0.50
Benzo (b) fluoranthene	BD	0.50
Benzo (k) fluoranthene	BD	0.50
Benzo (ghi) perylene	BD	0.50
Benzo (a) pyrene	BD	0.50
Chrysene	BD	0.50
Dibenzo (a,h) anthracene	BD	0.50
Fluoranthene	BD	0.50
Fluorene	BD	0.50
Indeno (1,2,3-cd) pyrene	BD	0.50
Naphthalene	BD	0.50
Phenanthrene	BD	0.50
Pyrene	BD	0.50
2-Methylnaphthalene	BD	0.50
1-Methylnaphthalene	BD	0.50

Comments:

BD = Below Detection Limit

Method of Analyses = EPA-8270

All Results are in parts per billion (ppb), except as noted.



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Dissolved Metals

09-15-2006,10:52

Sample 102265

Sample Matrix = Water

Project = PACKARD STEAM LAUNDRY

Date Sampled = 08-31-2006,11:50 Sampler = ANDY ROBICHAUD

Date Logged In = 08-31-2006,14:13 Location = MW-1

Date Completed = 09-12-2006 Town = ASHLAND

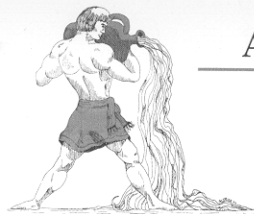
Metal	EPA method	Result (ppm-mg/L)	Det. Lim. (ppm-mg/L)
Arsenic	200.8	BD	0.0020
Barium	200.8	0.0560	0.0020
Cadmium	200.8	BD	0.0020
Chromium	200.8	BD	0.0020
Lead	200.8	BD	0.0020
Mercury	200.8	BD	0.0002
Selenium	200.8	BD	0.0020
Silver	200.8	BD	0.0020

Comments:

Dissolved Metals

Results expressed in milligrams/liter, (ppm)

doc. icp_4



AQUARIAN ANALYTICAL INC.

Laboratory Services

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Canterbury, N.H. 03224

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Dissolved Metals

09-15-2006, 10:52

Sample 102266

Sample Matrix = Water

Project = PACKARD STEAM LAUNDRY

Date Sampled = 08-31-2006, 12:30 Sampler = ANDY ROBICHAUD

Date Logged In = 08-31-2006, 14:16 Location = MW-2

Date Completed = 09-12-2006 Town = ASHLAND

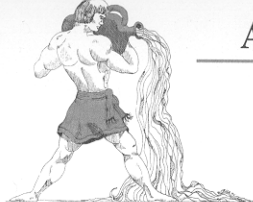
Metal	EPA method	Result (ppm-mg/L)	Det. Lim. (ppm-mg/L)
Arsenic	200.8	0.0020	0.0020
Barium	200.8	0.0590	0.0020
Cadmium	200.8	BD	0.0020
Chromium	200.8	BD	0.0020
Lead	200.8	BD	0.0020
Mercury	200.8	BD	0.0002
Selenium	200.8	BD	0.0020
Silver	200.8	BD	0.0020

Comments:

Dissolved Metals

Results expressed in milligrams/liter, (ppm)

doc. icp_4



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Dissolved Metals

09-15-2006, 10:52

Sample 102267

Sample Matrix = Water

Project = PACKARD STEAM LAUNDRY

Date Sampled = 08-31-2006, 12:10 Sampler = ANDY ROBICHAUD

Date Logged In = 08-31-2006, 14:17 Location = MW-3

Date Completed = 09-12-2006 Town = ASHLAND

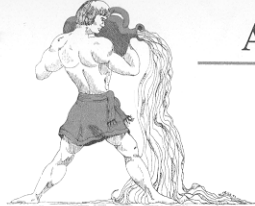
Metal	EPA method	Result (ppm-mg/L)	Det. Lim. (ppm-mg/L)
Arsenic	200.8	BD	0.0020
Barium	200.8	0.0620	0.0020
Cadmium	200.8	BD	0.0020
Chromium	200.8	BD	0.0020
Lead	200.8	BD	0.0020
Mercury	200.8	BD	0.0002
Selenium	200.8	BD	0.0020
Silver	200.8	BD	0.0020

Comments:

Dissolved Metals

Results expressed in milligrams/liter, (ppm)

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Dissolved Metals

09-15-2006, 10:52

Sample 102268

Sample Matrix = Water

Project = PACKARD STEAM LAUNDRY

Date Sampled = 08-31-2006, 12:40 Sampler = ANDY ROBICHAUD

Date Logged In = 08-31-2006, 14:17 Location = MW-4

Date Completed = 09-12-2006 Town = ASHLAND

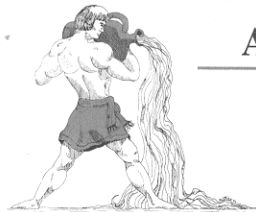
Metal	EPA method	Result (ppm-mg/L)	Det. Lim. (ppm-mg/L)
Arsenic	200.8	BD	0.0020
Barium	200.8	0.0960	0.0020
Cadmium	200.8	BD	0.0020
Chromium	200.8	BD	0.0020
Lead	200.8	BD	0.0020
Mercury	200.8	BD	0.0002
Selenium	200.8	BD	0.0020
Silver	200.8	BD	0.0020

Comments:

Dissolved Metals

Results expressed in milligrams/liter, (ppm)

doc. icp_4



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Dissolved Metals

09-15-2006, 10:53

Sample 102269

Sample Matrix = Water

Project = PACKARD STEAM LAUNDRY

Date Sampled = 08-31-2006, 13:10 Sampler = ANDY ROBICHAUD

Date Logged In = 08-31-2006, 14:17 Location = OW-1

Date Completed = 09-12-2006 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/L)	Det. Lim. (ppm-mg/L)
Arsenic	200.8	BD	0.0020
Barium	200.8	0.0620	0.0020
Cadmium	200.8	BD	0.0020
Chromium	200.8	BD	0.0020
Lead	200.8	BD	0.0020
Mercury	200.8	BD	0.0002
Selenium	200.8	BD	0.0020
Silver	200.8	BD	0.0020

Comments:

Dissolved Metals

Results expressed in milligrams/liter, (ppm)

doc. icp_4

Aquarian Analytical, Inc.

Laboratory Services

153 West Road
Canterbury, NH 03224
Phone: (603) 783-9097
Fax: (603) 783-0360
www.aquarianlab.com

[illegible]

Sample Receipt Conditions & Client Conversations

AAI #s 102265-102269 Date 8-31-06 Time 1400

Client ARC Consultants Contact Jim Zeppieri

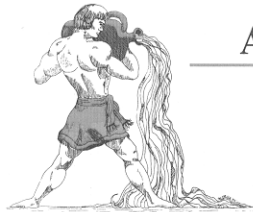
Project Packard Steam Laundry - Ashland, N.H.

Sample received at 14 °C on ice BDFF

Discrepancy _____

Resolution _____

Changes _____



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

08-31-2006, 15:40

Mr. Jim Zeppieri
ARC Environmental Consultants
P.O. Box 116
Gilmanton I.W., N.H. 03837-0116

Dear Mr. Zeppieri:

Please find enclosed the reports, and invoice for the samples that were logged in on, 08-24-2006.

AAI Sample	Date Sampled	Project Description	Sample Location
102088	08-22-2006	L.W. PACKARD	B2S4
102089	08-22-2006	L.W. PACKARD	B1S5
102090	08-22-2006	L.W. PACKARD	B1S4
102091	08-22-2006	L.W. PACKARD	B1S3
102092	08-22-2006	L.W. PACKARD	B1S7
102093	08-22-2006	L.W. PACKARD	B1S6
102094	08-23-2006	L.W. PACKARD	B3S1
102095	08-23-2006	L.W. PACKARD	B4S1

To perform these analyses, the following methods were used:

QTY. EPA Methodologies/Applications

- 1 VOC+PAH+TPH EPA-8260+8270+8015/8100
- 2 EPA-625/8270 PAH only
- 7 Soil/Solid Digestion EPA-3051A
- 25 Metals analysis (excluding mercury)
- 3 Mercury analysis
- 1 PCB Only (Soil/Water)

Thank you for using Aquarian Analytical Inc. on this project.
If I can be of any further help, please feel free to call.

Sincerely,

William M. Rice
Laboratory Director

Total Pages = 19

doc. # L24289



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

08-31-2006, 15:40

Project: L.W. PACKARD

As part of Aquarian's ongoing quality assurance program, all analyses included the following quality assurance measures.

Samples were received in an acceptable condition.

Samples were prepared and analyzed within the appropriate hold time specified in the method referred to on the analyses sheet.

The instrument that was used for the analyses was calibrated and/or tuned at the required frequency.

A daily calibration check was performed.

A daily blank was run, and contamination was not observed at levels that would affect the analyses.

For all work, internal standards, and surrogates gave appropriate response levels.

Matrix spikes were added where appropriate, and recoveries were within the acceptable range.

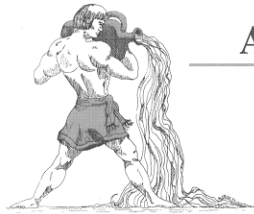
Duplicates were run at the frequency specified in the applicable state or federal regulations.

In addition to the above steps, all original-raw data is on file at Aquarian Analytical's offices for inspection when required.

Exceptions (if any)



Certification



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Total Arsenic

08-31-2006,15:3

Sample 102091

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 08-22-2006,08:45 Sampler = JIM ZEPPIERI

Date Logged In = 08-24-2006,15:18 Location = B1S3

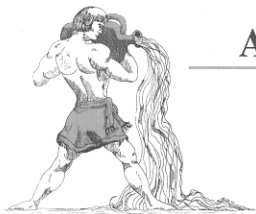
Date Completed = 08-28-2006 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	5.0000	2.0000

Comments:

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

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Total RCRA Metals

08-31-2006,15:32

Sample 102090

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 08-22-2006,09:05 Sampler = JIM ZEPPIERI

Date Logged In = 08-24-2006,15:17 Location = B1S4

Date of Analysis = 08-28-2006 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	5.000	1.000
Barium	6020	30.000	1.000
Cadmium	6020	BD	1.000
Chromium	6020	6.000	1.000
Lead	6020	49.000	1.000
Mercury	6020	BD	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

Laboratory control sample exceeds limits, Se 82%.

Duplicate sample indicates heterogeneity, Ba, Cr, Pb.

Results expressed in milligrams/kilogram, (ppm)



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Poly Aromatic Hydrocarbon Report

08-31-2006, 15:30

Sample 102089

Date Sampled	08-22-2006, 09:50	Sampler	JIM ZEPPIERI
Date Logged In	08-24-2006, 15:16	Location	B1S5
Analysis Date	08-29-2006	Town	ASHLAND
Extraction Date	08-25-2006	Matrix	Soil/Solid
% Solids	79.71 %		

Organic Compound

Result mg/kg

Det. Lim. mg/kg

Acenaphthene	BD	0.40
Acenaphthylene	BD	0.40
Anthracene	BD	0.40
Benzo (a) anthracene	BD	0.40
Benzo (b) fluoranthene	BD	0.40
Benzo (k) fluoranthene	BD	0.40
Benzo (ghi) perylene	BD	0.40
Benzo (a) pyrene	BD	0.40
Chrysene	BD	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	BD	0.40
Fluorene	BD	0.40
Indeno (1,2,3-cd) pyrene	BD	0.40
Naphthalene	BD	0.40
Phenanthrene	BD	0.40
Pyrene	0.49	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

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Ph. 603-783-9097 • Fax 603-783-0360

Total RCRA Metals

08-31-2006, 15:32

Sample 102089

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 08-22-2006, 09:50 Sampler = JIM ZEPPIERI

Date Logged In = 08-24-2006, 15:16 Location = B1S5

Date of Analysis = 08-25-2006 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	4.000	1.000
Barium	6020	54.000	1.000
Cadmium	6020	BD	1.000
Chromium	6020	12.000	1.000
Lead	6020	150.000	1.000
Mercury	6020	0.200	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

Laboratory control sample exceeds limits, Se 82%.

Results expressed in milligrams/kilogram, (ppm)



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Total Arsenic

08-31-2006,15:3

Sample 102093

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 08-22-2006,09:20 Sampler = JIM ZEPPIERI

Date Logged In = 08-24-2006,15:19 Location = B1S6

Date Completed = 08-28-2006 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	2.0000	1.0000

Comments:

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Total Arsenic

08-31-2006,15:3

Sample 102092

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 08-22-2006,09:30 Sampler = JIM ZEPPIERI

Date Logged In = 08-24-2006,15:19 Location = B1S7

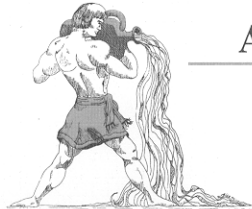
Date Completed = 08-25-2006 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	3.0000	1.0000

Comments:

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



AQUARIAN ANALYTICAL INC.

Laboratory Services

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Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

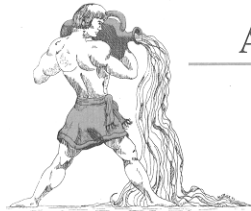
Volatile Organic Report & Oxygenates

08-31-2006,15:29

Page 1 of 2

AAI Sample #	102088		
Project	L.W. PACKARD	Matrix	Soil/Solid
Date Sampled	08-22-2006,13:30	Sampler	JIM ZEPPIERI
Date Logged In	08-24-2006,15:14	Location	B2S4
Date of Analysis	08-30-2006	Town	ASHLAND
% Solids	77.85%		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Benzene	BD	0.070
Bromobenzene	BD	0.070
Bromodichloromethane	BD	0.070
Bromoform	BD	0.070
Bromomethane	BD	0.070
n-Butylbenzene	BD	0.070
sec-Butylbenzene	BD	0.070
tert-Butylbenzene	BD	0.070
Carbon-Tetrachloride	BD	0.070
Chlorobenzene	BD	0.070
Chloroethane	BD	0.070
Chloroform	BD	0.070
Chloromethane	BD	0.210
2-Chlorotoluene	BD	0.070
4-Chlorotoluene	BD	0.070
Dibromochloromethane	BD	0.070
1,2 Dibromo-3-Chloropropane	BD	0.070
1,2 Dibromoethane	BD	0.070
Dibromomethane	BD	0.070
1,2 Dichlorobenzene	BD	0.070
1,3 Dichlorobenzene	BD	0.070
1,4 Dichlorobenzene	BD	0.070
Dichlorodifluoromethane	BD	0.175
1,1 Dichloroethane	BD	0.070
1,2 Dichloroethane	BD	0.070
1,1 Dichloroethene	BD	0.070
cis-1,2 Dichloroethene	BD	0.070
trans-1,2 Dichloroethene	BD	0.070
1,2 Dichloropropane	BD	0.140
1,3 Dichloropropane	BD	0.070
2,2 Dichloropropane	BD	0.070
1,1 Dichloropropene	BD	0.070
cis-1,3 Dichloropropene	BD	0.070
trans-1,3 Dichloropropene	BD	0.070
Ethylbenzene	BD	0.070
Hexachlorobutadiene	BD	0.140
Isopropylbenzene	BD	0.070
p-Isopropyltoluene	BD	0.070



AQUARIAN ANALYTICAL INC.

Laboratory Services

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Canterbury, N.H. 03224

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Volatile Organic Report & Oxygenates

08-31-2006, 15:30

Sample 102088

Page 2 of 2

Project L.W. PACKARD
Location B2S4

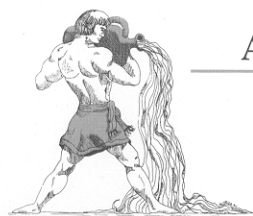
Matrix Soil/Solid

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Methylene Chloride	BD	0.140
Naphthalene	BD	0.140
n-Propylbenzene	BD	0.070
Styrene	BD	0.070
1,1,1,2 Tetrachloroethane	BD	0.070
1,1,2,2 Tetrachloroethane	BD	0.070
Tetrachloroethene	BD	0.070
Toluene	BD	0.070
1,2,3 Trichlorobenzene	BD	0.140
1,2,4 Trichlorobenzene	BD	0.140
1,1,1 Trichloroethane	BD	0.070
1,1,2 Trichloroethane	BD	0.070
Trichloroethene	BD	0.070
Trichlorofluoromethane	BD	0.140
1,2,3 Trichloropropane	BD	0.070
1,2,4 Trimethylbenzene	BD	0.070
1,3,5 Trimethylbenzene	BD	0.070
Vinyl Chloride	BD	0.070
o-Xylene	BD	0.070
m&p-Xylene	BD	0.070
Ethyl Ether	BD	1.050
Acetone	BD	3.500
Methylethylketone MEK	BD	1.750
Methylisobutylketone	BD	1.750
Tetrahydrofuran	BD	1.050
Methyl-t-butyl ether	BD	0.070
Diisopropyl ether	BD	0.140
Ethyltertbutyl ether	BD	0.140
Tertbutyl Alcohol	BD	0.700
Tertamylmethyl ether	BD	0.140

Comments:

Method of VOA Analysis = EPA-8260B

BD = Below Detection Limit - Results are in parts per million (ppm) unless noted.



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P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

TPH only Report

08-31-2006, 15:31

Sample 102088

Project = L.W. PACKARD

Date Sampled = 08-22-2006, 13:30

Date Logged In = 08-24-2006, 15:14

Date Analyzed = 08-25-2006

Person Sampling = JIM ZEPPIERI

Location = B2S4

Town = ASHLAND

Sample Matrix = Soil/Solid

Organic Compound	Result mg/kg	Detection Limit mg/kg
Total Petroleum Hydrocarbon	44	10
Method = modified EPA 8100/8015B FID		
Percent Solids	77.85	results are in percent, %

Comments:

BD = Below Detection Limit



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Ph. 603-783-9097 • Fax 603-783-0360

Poly Aromatic Hydrocarbon Report

08-31-2006, 15:30

Sample 102088

Date Sampled	08-22-2006, 13:30	Sampler	JIM ZEPPIERI
Date Logged In	08-24-2006, 15:14	Location	B2S4
Analysis Date	08-29-2006	Town	ASHLAND
Extraction Date	08-25-2006	Matrix	Soil/Solid
% Solids	77.85 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	0.40
Acenaphthylene	BD	0.40
Anthracene	BD	0.40
Benzo (a) anthracene	BD	0.40
Benzo (b) fluoranthene	BD	0.40
Benzo (k) fluoranthene	BD	0.40
Benzo (ghi) perylene	BD	0.40
Benzo (a) pyrene	BD	0.40
Chrysene	BD	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	BD	0.40
Fluorene	BD	0.40
Indeno (1,2,3-cd) pyrene	BD	0.40
Naphthalene	BD	0.40
Phenanthrene	BD	0.40
Pyrene	BD	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Poly Aromatic Hydrocarbon Report

08-31-2006, 15:31

Sample 102094

Date Sampled	08-23-2006, 08:00	Sampler	JIM ZEPPIERI
Date Logged In	08-24-2006, 15:19	Location	B3S1
Analysis Date	08-29-2006	Town	ASHLAND
Extraction Date	08-25-2006	Matrix	Soil/Solid
% Solids	83.94 %		

Organic Compound	Result mg/kg	Det. Lim. mg/kg
Acenaphthene	BD	0.40
Acenaphthylene	BD	0.40
Anthracene	BD	0.40
Benzo (a) anthracene	0.46	0.40
Benzo (b) fluoranthene	BD	0.40
Benzo (k) fluoranthene	BD	0.40
Benzo (ghi) perylene	BD	0.40
Benzo (a) pyrene	BD	0.40
Chrysene	BD	0.40
Dibenzo (a,h) anthracene	BD	0.40
Fluoranthene	0.61	0.40
Fluorene	BD	0.40
Indeno (1,2,3-cd) pyrene	BD	0.40
Naphthalene	BD	0.40
Phenanthrene	BD	0.40
Pyrene	0.62	0.40
2-Methylnaphthalene	BD	0.40
1-Methylnaphthalene	BD	0.40

Comments:

BD = Below Detection Limit

ND = Not Detected

Method of Analyses = EPA-8270

All Results are in parts per million (ppm), except as noted.



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Ph. 603-783-9097 • Fax 603-783-0360

Total RCRA Metals

08-31-2006,15:32

Sample 102094

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 08-23-2006,08:00 Sampler = JIM ZEPPIERI

Date Logged In = 08-24-2006,15:19 Location = B3S1

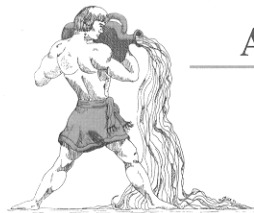
Date of Analysis = 08-28-2006 Town = ASHLAND

Total Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	3.000	1.000
Barium	6020	41.000	1.000
Cadmium	6020	BD	1.000
Chromium	6020	8.000	1.000
Lead	6020	59.000	1.000
Mercury	6020	0.100	0.100
Selenium	6020	BD	1.000
Silver	6020	BD	1.000

Comments:

Laboratory control sample exceeds limits, Se 82%.

Results expressed in milligrams/kilogram, (ppm)



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Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

Total Arsenic

08-31-2006,15:3

Sample 102095

Sample Matrix = Soil/Solid Project = L.W. PACKARD

Date Sampled = 08-23-2006,13:15 Sampler = JIM ZEPPIERI

Date Logged In = 08-24-2006,15:21 Location = B4S1

Date Completed = 08-28-2006 Town = ASHLAND

Metal	EPA method	Result (ppm-mg/kg)	Det. Lim. (ppm-mg/kg)
Arsenic	6020	3.0000	1.0000

Comments:

The PCB QC was out of control high.

Metals Preparation = EPA-3051A

Results expressed in milligrams/killogram, (ppm)



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PCB Report

08-31-2006,15:38

Sample 102095

Sample Matrix = Soil/Solid Project = L.W. PACKARD
Date Sampled = 08-23-2006,13:15 Sampler = JIM ZEPPIERI
Login Date = 08-24-2006,15:21 Location = B4S1
Date of Analysis = 08-29-2006 Town = ASHLAND

Organic Compound	Result (mg/kg)	Det. Lim. (mg/kg)
PCB 1016	BD	0.50
PCB 1221	BD	0.50
PCB 1232	BD	0.50
PCB 1242	BD	0.50
PCB 1248	BD	0.50
PCB 1254	BD	0.50
PCB 1260	BD	0.50

Comments:

BD = Below Detection Limit
Method of Analyses = EPA-8082

doc. pcb

Aquarian Analytical, Inc.

Laboratory Services

153 West Road
Canterbury, NH 03224
Phone:(603)783-9097
Fax:(603)783-0360
www.aquarianlab.com

Turnaround Requirements (check one)				Project Information																																
RUSH SAMPLES NEED PRIOR APPROVAL ☐ Same day turnaround (150% upcharge) ☐ 24 hour turnaround (100% upcharge) ☐ 48 hour turnaround (50% upcharge) ☐ 72 hour turnaround (25% upcharge) ☒ Normal turnaround				Project #: Project Name: <i>L. W. Packard</i> Town/Site: <i>Ashland NH</i> Sampler: <i>Jim Zeppieri</i> Company: <i>ARC</i> Account #:								Project Manager: <i>Jim Zeppieri</i> Report to: Invoice to: Phone: Fax:																								
Sample Information				VOC's-SVOC's				Additional				Metals				Other (list)																				
AAI ID#	Sample ID	Date/Time	Sample Matrix	Number of Containers	EPA 524.2 Drinking Water	EPA 8260 / EPA 8260B	EPA 8240 / EPA 624	BTEX / MTBE	BTEX+MTBE+Naphthalene	Chlorinated only	EPA 8270 A-B/N	EPA 8270 PAH	EPA 8015M Gasoline	EPA 8100M Fuel Oil	N.H. Petroleum Short List	N.H. Haz. Waste Short List	Fingerprint	13 Priority Pollutants	RCRA 8	TCLP:	Field Filtered:	Lab Filtered:	Total:	PCB EPA 608 / EPA 8082	EPA 8081 Pesticide	EPA 8150 Herbicides	EPA SW846-7 Reactivity	EPA 1010 Flashpoint / Ignitability	EPA 150.1 / 9045 pH	Alkalinity	Methane	EPA 300.0 Nitrate	EPA 300.0 Sulfate	EPA 300.0 Chloride		
102088	B2 S4	8/22/06 1:30		2	X							X	X																							
102089	B1 S5	8/22/06 9:50		1								X							X																	
102090	B1 S4	8/22/06 9:05		1															X																	
102091	B1 S3	" 8:45		1															X																	
102092	B1 S7	" 9:30		1															X																	
102093	B1 S6	9:20		1															X																	
102094	B3 S1	8/23/06 8:00 AM		1								X							X																	
102095	B4 S1	" 1:15 PM		1															X																	
Relinquished by: <i>James B. Zeppieri</i>				Date: <i>8/24/06</i>				Received by: <i>Sam [Signature]</i>				Notes:																								
Time: <i>3:00 PM</i>																																				
Relinquished by:				Date:				Received by:																												
Time:																																				
Relinquished by:				Date:				Received by:																												
Time:																																				

Sample Receipt Conditions & Client Conversations

AAI #s 10208F - 10209J Date 8-24-06 Time 15:00

Client ARC Contact Jim Zeppieri

Project L.W. Richard - Ashland, N.H.

Sample received at 2 °C

Discrepancy _____

Resolution _____

Changes _____



Type of Submittal	Petroleum Reimbursement Fund Phase
Technical Report	Site Investigation

Groundwater Management Zone Delineation Report

L. W. Packard and Company, Inc.
Hill Avenue and Mechanic Street
Ashland, New Hampshire
NHDES Site No. 200009045
UST Facility ID No. 0112818

Prepared By:
James B. Zeppieri, P. G.
603-746-4156
July 16, 2007

Prepared For:
Mr. John Glidden
President
L. W. Packard and Company, Inc.
6 Mill Street
P. O. Box 515
Ashland, New Hampshire 03217

Recommended Risk Category
3. Free Product or Source Hazard

Table of Contents
Groundwater Management Zone Delineation Report
No. 6 Fuel Oil Underground Storage Tanks
L. W. Packard and Company, Inc.
Mechanic Street, Ashland, New Hampshire
NHDES Site No. 200009045

Report Text

Tables:

1. Groundwater Elevations
2. Groundwater Sample Analytical Results

Figures:

1. Site Location Map
2. Site Plan
3. Groundwater Contour Map
4. Stratigraphic Cross Section
5. Tax Map and Revised Lot Lines
6. Survey Plan for Proposed GMZ

Appendices:

- A. Limitations
- B. NHDES Correspondence
- C. ARC Correspondence
- D. Soil Boring Logs and Groundwater Monitoring Well
Construction Details
- E. Health and Safety Plan
- F. Laboratory Data Sheets

GROUNDWATER MANAGEMENT ZONE DELINEATION REPORT

**No. 6 Fuel Oil Underground Storage Tanks
L. W. Packard and Company, Inc.
Hill Avenue and Mechanic Street
Ashland, New Hampshire**

1.0 INTRODUCTION

1.1 Introduction

ARC Environmental Consultants, Inc., (ARC) has completed this Groundwater Management Zone Delineation Report on behalf of L. W. Packard and Company, Inc., Ashland, New Hampshire. On November 20, 2006, the New Hampshire Department of Environmental Services (NHDES) approved ARC's August 28, 2006 Supplemental Site Investigation Report for the closed no. 6 fuel oil underground storage tanks (USTs) at the L. W. Packard property. In this approval letter, the NHDES requested that L. W. Packard complete a groundwater management zone delineation for these same USTs. Also, once the Groundwater Management Zone Delineation Report is complete, the NHDES requested that ARC submit an application for a Groundwater Management Permit.

ARC completed the field work documented in this report in accordance with ARC's January 26, 2007 correspondence. This letter provided proposed locations for the groundwater monitoring wells, as requested by NHDES on November 20, 2006. On February 5, 2007, the NHDES gave ARC verbal approval for the monitoring well locations proposed on January 26, 2007. Appendix B contains a copy of the NHDES One Stop database for the Packard site that documents this verbal approval.

This report is subject to the limitations set forth in Appendix A. Appendix B contains the NHDES correspondence. Appendix C contains the ARC correspondence.

1.2 Objectives

This report has been prepared to better define the nature, extent, and magnitude of subsurface soil and groundwater impacts by no. 6 fuel oil constituents on property owned by L. W. Packard and Company adjacent to the intersection of Hill Avenue and Mechanic Street in Ashland, Grafton County, New Hampshire.

1.3 Scope of Work

This investigation comprised the following tasks:

- Collection and field screening of soil samples from one soil boring at a location expected to be immediately downgradient of the closed in place 40,000 gallon concrete no. 6 fuel oil UST;
- The continuation of the soil boring adjacent to the closed 40,000 gallon UST into the underlying bedrock and the installation of a groundwater monitoring well screened in the fractured bedrock aquifer;
- The installation of one bedrock groundwater monitoring well at a far downgradient location, adjacent to the Squam River;
- The installation of one groundwater monitoring well in the unconsolidated surficial materials at a location on the southwest side of the right of way leading to Hill Avenue, at a location expected to be downgradient of the former no. 6 oil USTs;
- The collection and laboratory analysis of one round of groundwater samples from the three newly installed groundwater monitoring wells;
- Measurement of wellhead and groundwater elevations; and
- Preparation of this Groundwater Management Zone Delineation Report to meet the requirements of Env-Or 600, Administrative Rules for Contaminated Site Management.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Site Location

The L. W. Packard property is located in the Town of Ashland, Grafton County, New Hampshire. Specifically, the two 20,000 gallon no. 6 fuel oil USTs were formerly located adjacent to the Packard boiler house building at the intersection of Hill Avenue and Mechanic Street. The closed in place 40,000 gallon concrete no. 6 fuel oil UST is located at the far northwest corner of the boiler house building. The property location is depicted on Figure 1, the

site location map. Figure 2 is the site plan.

2.2 Site Description

The Packard property consists of a complex of nineteenth and twentieth century mill buildings located in a mixed residential, institutional, and commercial area of Ashland, New Hampshire, that formerly housed the textile manufacturing operations of L. W. Packard and Company, Inc. Textiles were first manufactured here in 1840. The Packard property is currently being redeveloped for various commercial uses.

In conjunction with the redevelopment of the Packard property, the property has been subdivided and new lot lines and designations have been approved by the Town of Ashland. Figure 5 shows the newly designated lot numbers for the Packard property closest to the closed USTs.

2.3 Site Registration Information

The NHDES has designated the property owned by L. W. Packard and Company, Inc., as remediation site number 200009045.

For the two former 20,000 gallon no. 6. fuel oil USTs and the one closed in place 40,000 gallon no. 6 fuel oil UST that served L. W. Packard, these USTs have been given the UST registration number 0112818.

3.0 SUBSURFACE INVESTIGATION

3.1 Soil Borings

On February 13, 15, and 16, 2007, ARC, in conjunction with New Hampshire Boring, Inc., advanced three soil borings at the L. W. Packard site. Figure 2 shows the locations of these soil borings. Because of a snowstorm, ARC and New Hampshire Boring did not work at the site on February 14, 2007.

The soil borings were performed using a CME 45C off-road drilling rig. Soil boring B-6 was advanced just beyond the southern corner of the closed in place 40,000 gallon no. 6 fuel oil UST. During advancement of the soil boring at this location, soil samples were collected at five foot intervals with a two inch diameter two foot long split spoon sampler that was driven into the ground with a 140 pound weight. Soil samples were recovered from the split spoon sample tool and transferred to clean plastic storage bags for field

screening.

For soil boring B-7, this boring was done at a far downgradient location along the edge of Hill Avenue, near the Squam River.

For soil boring B-8, this boring was advanced at a location on the southwest side of Hill Avenue, at a location expected to be downgradient of the former USTs.

3.2 Soil Field Screening

The soil samples were analyzed on-site for volatile organic compounds (VOCs), using headspace vapor methodology, with a Thermo Environmental Model 580B photo-ionization type organic vapor analyzer (OVA). The 580B OVA has a sensitivity of 0.1 parts per million (ppm), and was calibrated to a benzene standard using a reference gas of isobutylene. Ambient background levels and instrument drift displayed by the OVA were in the range of ± 0.1 ppm.

Once the sample was placed in the sealed plastic storage bag, the sample was gently agitated and the OVA probe was inserted through the seal into the headspace above the soil. The maximum vapor concentration, if any, was recorded.

The results of the OVA screenings are summarized on the soil boring logs included in Appendix D of this report. OVA concentrations are given in parts per million. In general, VOCs were either not detected or detected at very low levels in the soil samples.

3.3 Groundwater Elevations and Flow Directions

The elevations of the newly installed groundwater monitoring wells were measured on July 12, 2007, using a meridian level and survey leveling rod. For all three newly installed groundwater monitoring wells, the elevations recorded are the top of the PVC casing, referenced to a on-site datum with an elevation of 553.2 feet, NGVD. The datum location is shown on Figure 2.

Depth to groundwater was measured in groundwater monitoring wells MW-3, MW-4, MW-5, MW-6, and MW-7 using an electronic water level indicator manufactured by Slope Indicator Company, Model 51453. ARC was unable to access MW-1 because a motor vehicle was parked above the well. For MW-2, ARC confirmed the presence of free product no. 6 fuel oil with a weighted line.

Monitoring well elevations, depths to groundwater, and computed groundwater elevations are listed on Table 1. Tables 1 and 2 immediately follow the text of this report.

A groundwater contour map, Figure 3, was prepared using the groundwater elevation data from Table 1. ARC did not include the groundwater elevation data from MW-7 when the groundwater contours were drawn. MW-7 is screened in the unconsolidated surficial materials, all the remaining wells are screened in the fractured bedrock. ARC's interpretation of the July 2007 groundwater elevation data is that groundwater flows to the south-southeast.

3.4 Groundwater Monitoring Well Installation

On February 13, 14, and 16, 2007, groundwater monitoring wells were installed at the B-6, B-7, and B-8 locations. A soil boring was done in July 2006 at the B-5 location but a groundwater monitoring well was not installed at this location. Accordingly, the soil boring and monitoring well number designations do not match for monitoring wells MW-5, MW-6, and MW-7.

The soil borings for MW-5 and MW-6 were advanced into bedrock using rock coring and roller bit methods. For the soil boring at the MW-7 location, bedrock was not encountered to a depth of 30 feet below the ground surface. ARC did install a well in the unconsolidated surficial materials at this location.

All three wells were constructed with two inch PVC well screen (0.010 inch slots), two inch PVC riser pipe, and flush mounted 10 inch deep steel protective roadboxes.

Monitoring well construction details and soil boring logs are included in Appendix D.

3.5 Groundwater Sampling

One round of groundwater samples was collected by ARC personnel for the groundwater management zone delineation process. ARC collected samples from the three newly installed wells. For MW-5 and MW-6, the samples were collected on April 13, 2007. MW-7 was not accessible on that date because of ice and snow cover. ARC returned to the site on April 30, 2007 and collected groundwater samples from MW-7. All samples were analyzed for VOCs using EPA Method 8260B and for polyaromatic hydrocarbons (PAHs) using EPA method 8270. No free phase no. 6 fuel oil was observed in any of the three newly installed wells.

Prior to groundwater sample collection, the monitoring wells were purged of a minimum of three standing borehole volumes of water using dedicated, pre-cleaned, disposable polyethylene bailers. After a brief recharge period, groundwater samples were carefully collected from each well using the dedicated bailers.

Samples for VOC analyses were placed in clean 40 milliliter glass vials with teflon septum caps. Each sample was preserved with 2-3 drops of hydrochloric acid (1:1 HCl). For PAH analyses, samples were placed in clean one liter amber glass jars preserved with about 20 drops of hydrochloric acid.

All sample containers were placed in an insulated cooler with ice packs immediately after collection for storage and transport. All groundwater samples were delivered to Aquarian Analytical, Inc., Canterbury, New Hampshire. All sample collection, transport, and delivery procedures were performed following standard chain of custody protocol.

4.0 GROUNDWATER ANALYSIS RESULTS AND INTERPRETATION

4.1 Groundwater Sample Results

For the one round of groundwater monitoring conducted in April 2007, VOCs and PAHs were not detected in either MW-6 or MW-7. For MW-5, immediately adjacent to the closed 40,000 gallon UST, naphthalene, 2-methylnaphthalene, fluorene, and phenanthrene were all detected at levels below their respective Ambient Groundwater Quality Standards (AGQS). For 1-methylnaphthalene that was also detected, there is no AGQS for this chemical. Table 2 summarizes the results of all groundwater sampling done by ARC for that part of the Packard property adjacent to the closed no. 6 oil USTs. Appendix F includes the laboratory data sheets for the April 2007 groundwater analyses.

4.2 Interpretation of Data

Based on the results of the April 2007 groundwater sampling as well as previous 2005 and 2006 results, it appears that impacts to groundwater quality conditions attributable to the three former USTs are quite limited.

For the two downgradient bedrock wells, MW-3 and MW-7, there have been no impacts to groundwater quality conditions from either VOCs or PAHs. For the one downgradient well screened in the

unconsolidated surficial materials, there have also been no impacts to groundwater quality conditions from either VOCs or PAHs.

For MW-4 and MW-5, immediately downgradient of the closed USTs, several petroleum constituents, including naphthalene, have been detected. The AGQS for naphthalene is relatively low at 20 micrograms per liter, and sampling results for MW-4 and MW-5 have detected levels of naphthalene just below its AGQS. Therefore, ARC expects that seasonal variations in naphthalene concentrations in groundwater will result in periodic but minor AGQS violations for naphthalene at either MW-4 or MW-5.

For MW-2, at the grave of the former 20,000 gallon no. 6 oil USTs, free product no. 6 oil continues to be detected, as of July 12, 2007. Free product was also again present when ARC checked the observation well, OW-1, on July 12, 2007. The location of OW-1, in the basement of the boiler room, is shown on Figure 2.

4.3 Site Geology

Figure 4 is the revised stratigraphic cross section A-A¹ that shows ARC's interpretation of the subsurface characteristics at and downgradient of the closed USTs.

For the rock core samples taken at the MW-5 location, there was some minor no. 6 fuel oil staining observed in the recovered rock cores from this location. ARC's Rock Quality Designation (RQD) calculations for the two five foot lengths of core recovered from MW-5 are included on the soil boring logs in Appendix D of this report.

For the rock core samples taken at the MW-6 location, the fracture planes appear to be iron stained, indicating groundwater flow. ARC's RQD calculations for the two five foot lengths of core recovered from MW-6 are included on the soil boring logs in Appendix D of this report. In general, although the RQDs for both the MW-6 and MW-7 locations are similar, there were significantly fewer breaks and fractures observed in the core samples from the MW-5 location.

For the MW-7 location, the unconsolidated surficial materials to about 15 feet below the ground surface are similar to those encountered at the MW-1 location, stratified drift composed of fine sands and silts. Below 15 feet, the materials are denser, darker, and more coarse grained with a significant pebble sized gravel component. Bedrock was not encountered to 30 feet at this location.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

Based on the subsurface analytical data, visual observations, and review of previously performed site investigation work, ARC Environmental Consultants, Inc., in its professional opinion, concludes the following:

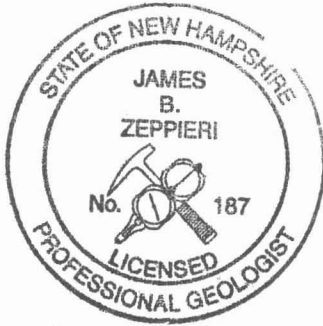
- There have been some impacts to groundwater quality conditions in the bedrock aquifer immediately adjacent to the two closed 20,000 gallon USTs and the one closed in place 40,000 gallon UST, but the levels of impacts from VOCs and PAHs are below applicable NHDES groundwater standards.
- Seasonal variations in groundwater quality conditions are expected to result in minor AGQS violations for naphthalene immediately adjacent to these closed no. 6 oil USTs.
- Downgradient groundwater quality in the fractured bedrock aquifer has apparently not been impacted by any of the three former USTs.
- For the one downgradient well screened in the unconsolidated surficial materials, VOCs and PAHs were not detected.
- Free product no. 6 fuel oil continues to be detected in the groundwater monitoring well at the former tank grave and beneath the basement floor of the boiler room.
- The proposed Groundwater Management Zone (GMZ) is coincident with the boundaries of the newly designated lot 17-7-7, as shown on Figures 5 and 6. VOCs and PAHs have not been detected in any of those wells beyond the outline of the proposed GMZ.

5.2 Recommendations

ARC recommends the following:

- An application for a Groundwater Management Permit needs to be submitted to the NHDES.

Ashland - L. W. Packard and Company, Inc.
NHDES Site No. 200009045
July 16, 2007, Page 9



ARC ENVIRONMENTAL CONSULTANTS, INC.

James B. Zeppieri
James B. Zeppieri, P. G.
Project Manager

Table 1
Groundwater Elevations
L. W. Packard and Company, Inc.
Ashland, New Hampshire
NHDES Site No. 200009045
All Elevations Recorded in Feet and Referenced to NGVD

Well Designation	Date	Elevation	Depth to Groundwater and/or No. 6 oil	Groundwater Elevation
MW-1	05/24/05	553.61	27.29	526.32
	04/29/06		27.74	525.87
	08/14/06		26.22	527.39
	08/23/06		26.28	527.33
	07/12/07		not accessible	not determined
MW-2	05/24/05	552.16	25.63 (top of oil)	526.11
	04/29/06		26.05 (top of water table)	not determined
			25.61 top of oil	
	08/14/06		0.98 feet (minimum thickness of oil)	not determined
	08/23/06		23.12 top of oil (thickness not determined)	not determined
	07/12/07		23.30 top of oil (thickness not determined)	not determined
MW-3	05/24/05	533.60	23.48 top of oil	
	04/29/06			
	08/14/06		12.91	520.69
	08/23/06		12.99	520.61
	07/12/07		13.34	520.26
			12.86	520.74
MW-4 ¹	08/14/06	550.68	13.04	520.56
	08/23/06		23.79	526.89
	07/12/07		23.92	526.76
MW-5 ²		539.03	24.26	526.42
	07/12/07		18.80	520.23
MW-6	07/12/07	529.38	10.78	518.60
MW-7 ³	07/12/07	533.73	20.08	513.65
OW-1	08/14/06	527.54	0.85 (top of oil)	not determined
	07/12/07		not determined but oil present	not determined
Squam River at Bridge ⁴	05/24/05	529.23 (reference point at bridge)	17.33 (depth to surface flow in river)	511.90 (assumed elevation of water table at river)
	08/14/06		17.83	511.40
	07/12/07		18.41	510.82

Notes for Table 1:

1. Well installed July 2006, no elevation data before that time.
2. Wells MW-5, MW-6, and MW-7 were installed in February 2007, no elevation data before that time.
3. All wells except for MW-7 are screened in the aquifer developed in fractured bedrock. MW-7 is screened in the unconsolidated surficial materials.
4. For the Squam River water level measurements, assumes that the river is the discharge zone for groundwater in the uppermost portions of the bedrock aquifer.

Table 2
Groundwater Sample Analytical Results
L. W. Packard and Company, Inc.
Ashland, New Hampshire
NHDES Site No. 200009045
All Results Expressed in Micrograms per Liter

SAMPLING LOCATION	Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	AGQS ¹
CHEMICAL									
<i>Volatile Organic Compounds</i>									
methyl- <i>t</i> -butyl-ether	05/06/05	BD ²	FP ³	BD	DNE ⁴	DNE	DNE	DNE	13
	05/24/05	BD	FP	BD	DNE	DNE	DNE	DNE	
	04/29/06	BD	FP	BD	DNE	DNE	DNE	DNE	
	08/14/06	NS ⁵	FP	NS	2	DNE	DNE	DNE	
	04/13/07	NS	NS	NS	NS	BD	BD	BD	
naphthalene	05/06/05	BD	FP	BD	DNE	DNE	DNE	DNE	20
	05/24/05	BD	FP	BD	DNE	DNE	DNE	DNE	
	04/29/06	BD	FP	BD	DNE	DNE	DNE	DNE	
	08/14/06	NS	FP	NS	BD	DNE	DNE	DNE	
	04/13/07	NS	NS	NS	NS	17	BD	BD	
<i>Polyaromatic Hydrocarbons</i>									
naphthalene	05/06/05	BD	FP	BD	DNE	DNE	DNE	DNE	20
	05/24/05	BD	FP	BD	DNE	DNE	DNE	DNE	
	04/29/06	BD	FP	BD	DNE	DNE	DNE	DNE	
	08/14/06	NS	FP	NS	1.00	DNE	DNE	DNE	
	04/13/07	NS	NS	NS	NS	16	BD	BD	
2-methylnaphthalene	05/06/05	BD	FP	BD	DNE	DNE	DNE	DNE	280
	05/24/05	BD	FP	BD	DNE	DNE	DNE	DNE	
	04/29/06	BD	FP	BD	DNE	DNE	DNE	DNE	
	08/14/06	NS	FP	NS	1.70	DNE	DNE	DNE	
	04/13/07	NS	NS	NS	NS	26	BD	BD	

Table 2, Page 2, July 2007
Ashland, L. W. Packard and Company
NHDES Site No. 200009045

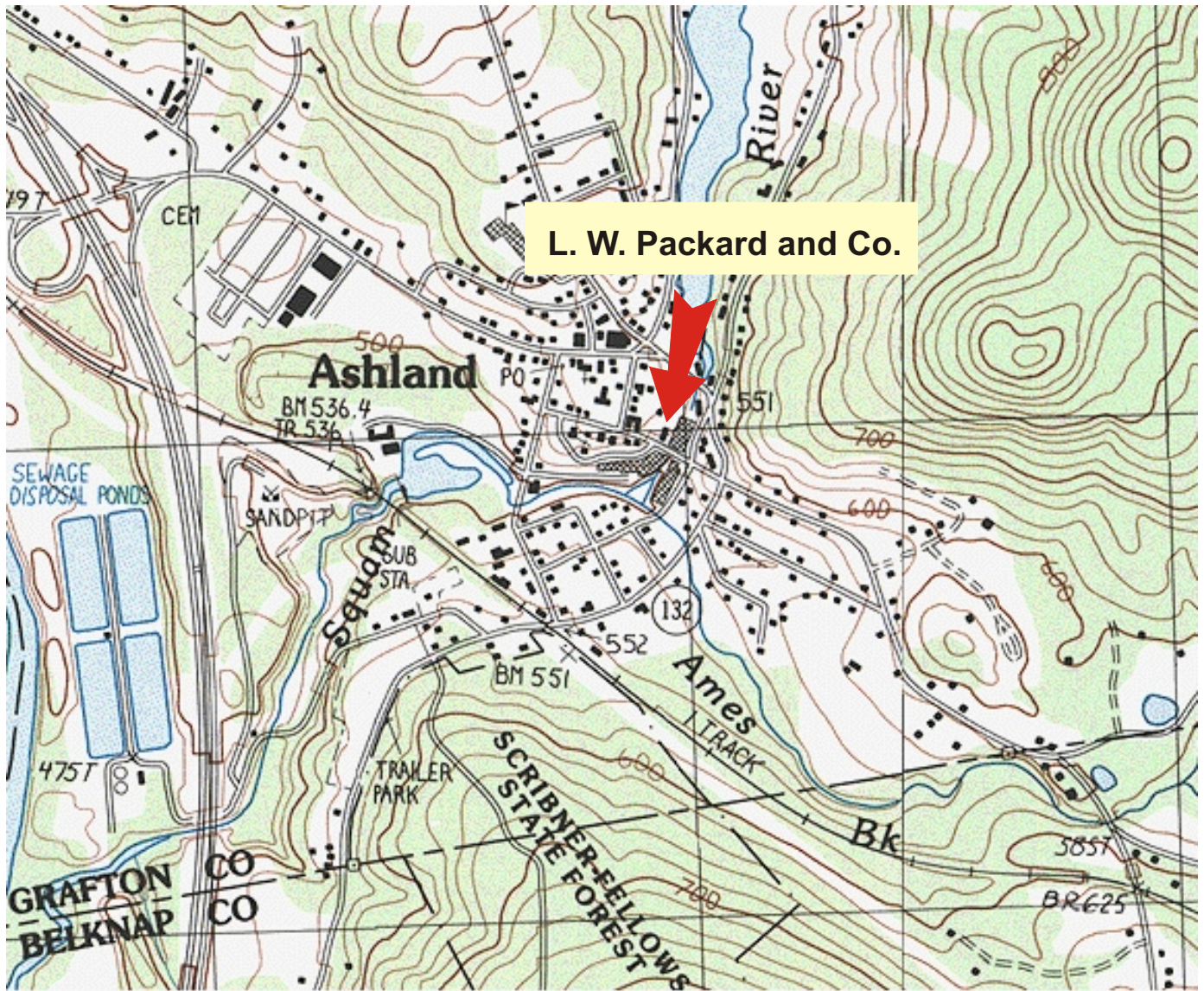
SAMPLING LOCATION CHEMICAL	Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	AGQS
1-methylnaphthalene	05/06/05	BD	FP	BD	DNE	DNE	DNE	DNE	none
	05/24/05	BD	FP	BD	DNE	DNE	DNE	DNE	
	04/29/06	BD	FP	BD	DNE	DNE	DNE	DNE	
	08/14/06	NS	FP	NS	1.20	DNE	DNE	DNE	
	04/13/07	NS	NS	NS	NS	19	BD	BD	
fluorene	05/06/05	BD	FP	BD	DNE	DNE	DNE	DNE	280
	05/24/05	BD	FP	BD	DNE	DNE	DNE	DNE	
	04/29/06	BD	FP	BD	DNE	DNE	DNE	DNE	
	08/14/06	NS	FP	NS	BD	DNE	DNE	DNE	
	04/13/07	NS	NS	NS	NS	1.5	BD	BD	
phenanthrene	05/06/05	BD	FP	BD	DNE	DNE	DNE	DNE	210
	05/24/05	BD	FP	BD	DNE	DNE	DNE	DNE	
	04/29/06	BD	FP	BD	DNE	DNE	DNE	DNE	
	08/14/06	NS	FP	NS	BD	DNE	DNE	DNE	
	04/13/07	NS	NS	NS	NS	2.4	BD	BD	

Notes for Table 2:

1. AGQS - Ambient Groundwater Quality Standards, from Table 600-1, Administrative Rules for Contaminated Site Management, Env-Or 600.
2. BD - Below Detection, chemical not detected at a level above its method detection limit.
3. FP - Free Product, free product no. 6 fuel oil detected, no groundwater sample obtained.
4. DNE - Did Not Exist, the monitoring well had not yet been installed on that date.
5. NS - Not Sampled, well not sampled on that date.

Figures



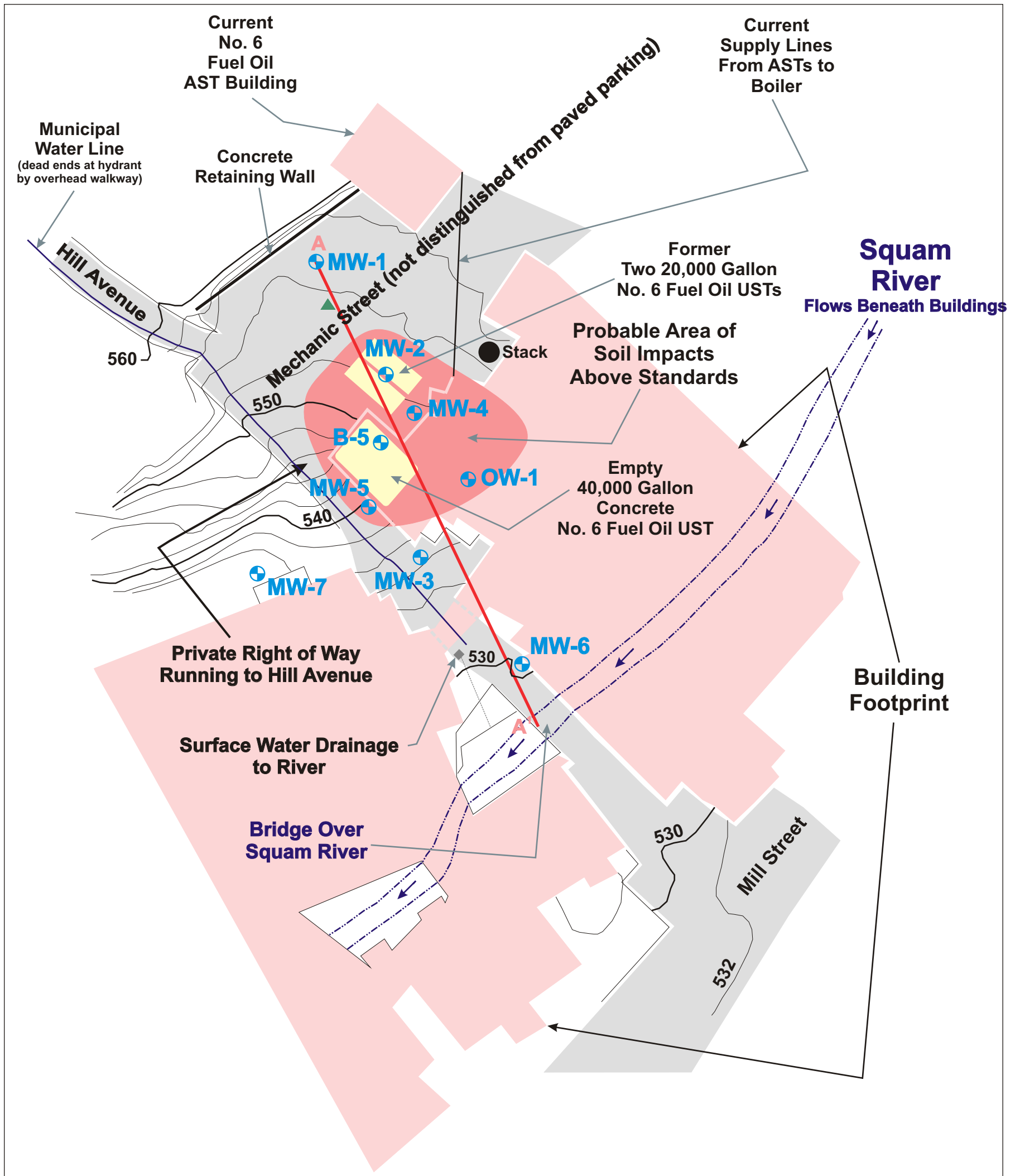


L. W. Packard and Company, Inc.
Hill Avenue and Mechanic Street
Ashland, New Hampshire
NHDES Site No. 200009045



Scale - 1:12,000

Figure 1
Site Location Map
Ashland, N. H.
USGS Topographic Map
7.5 Minute Series
July 2007



Legend

- ⊕ Soil Boring/Groundwater Monitoring Well
- 530 Surface Elevations in Feet, Referenced to NGVD, Contour Interval 2 Feet
- ▲ Datum - Spot Elevation on Pavement from 1990 Topo Survey
- Asphalt Pavement
- Stratigraphic Cross Section A - A¹



Scale

0 feet 50

Plan based on Topographic Worksheet of the L. W. Packard Woolen Mill by Eastern Topographics March 1990
and
Site Drainage Plan, L. W. Packard and Company, by GZA GeoEnvironmental, Inc. September 1996.

**Figure 2
Site Plan**
GMZ Delineation Report
No. 6 Fuel Oil USTs
L. W. Packard and Co., Inc.
Hill Ave. and Mechanic St.
Ashland, New Hampshire
Revised July 2007
NHDES Site No. 200009045



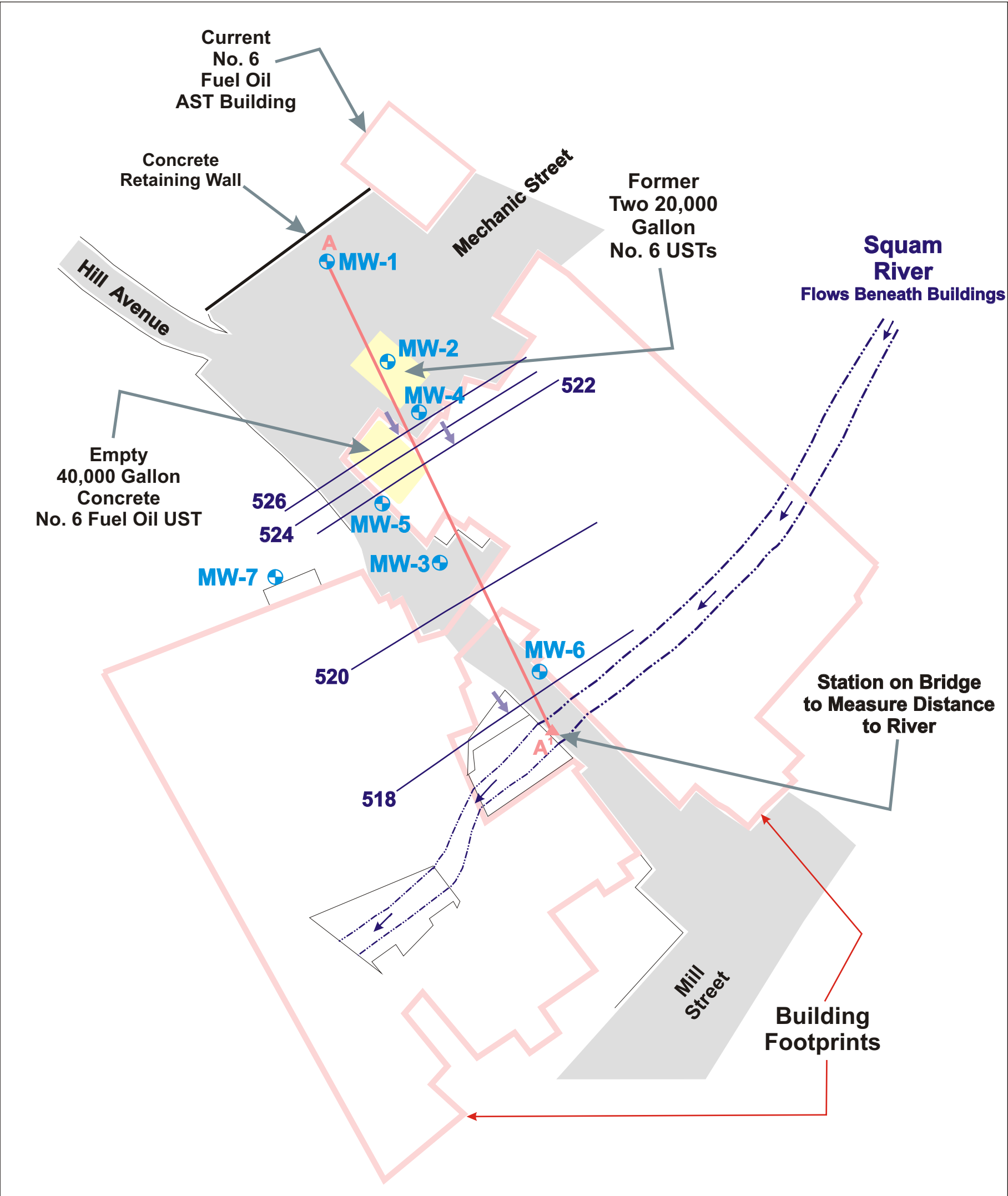


Figure based on Topographic Worksheet of the L. W. Packard Woolen Mill by Eastern Topographics March 1990 and Site Drainage Plan, L. W. Packard and Company, by GZA GeoEnvironmental, Inc. September 1996.

Groundwater Elevations in Feet, July 12, 2007	
MW-3	520.26
MW-4	526.89
MW-5	520.23
MW-6	518.60
MW-7	513.65
MW-7 not screened in bedrock	
Squam R. at Bridge	510.82

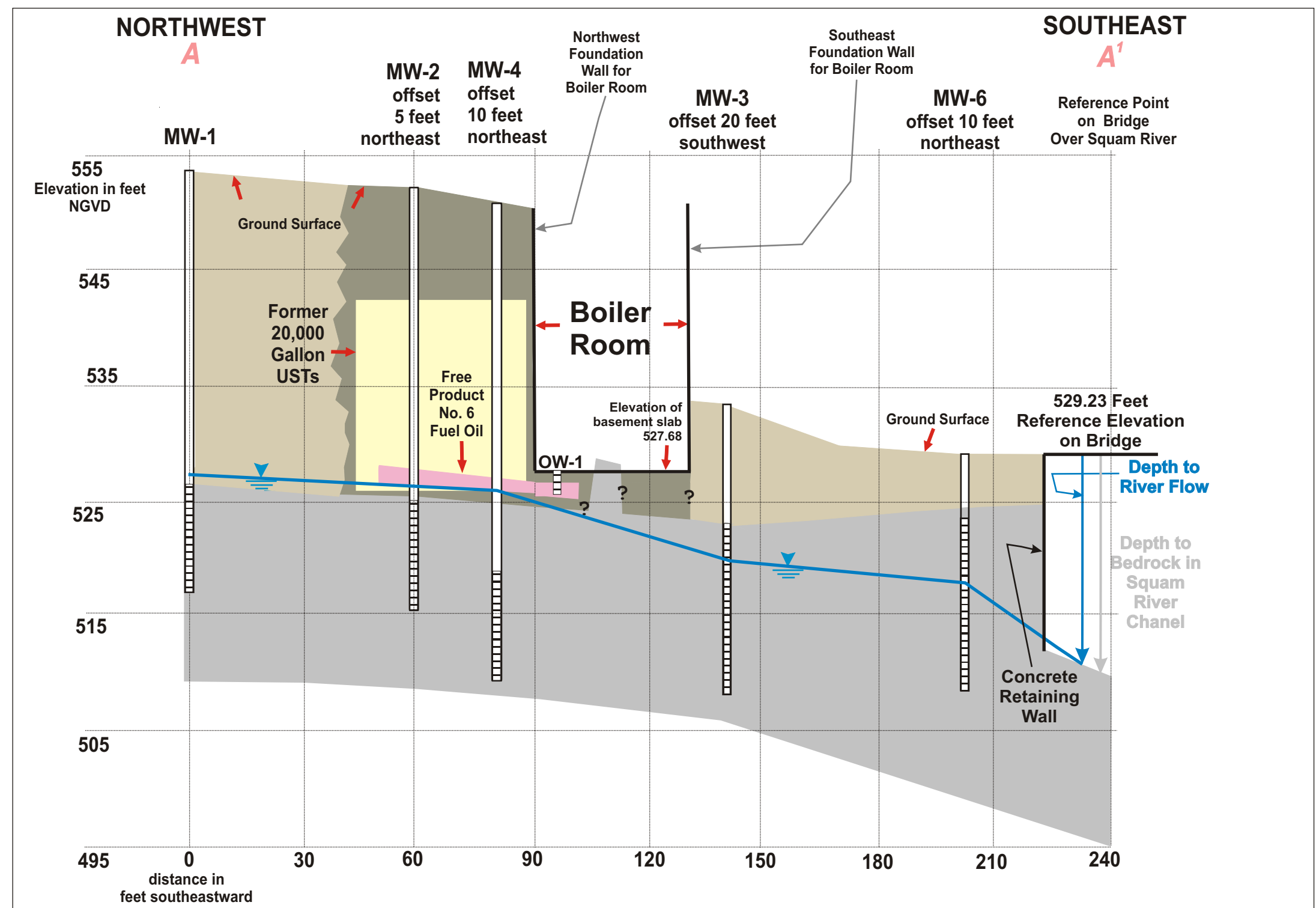
N

Scale

Legend

- Groundwater Monitoring Well
- Groundwater Contour in Feet, Bedrock Aquifer, Referenced to NGVD, Contour Interval 2 Feet
- Asphalt Pavement
- Location of Stratigraphic Cross Section A - A¹ (see Figure 4)
- Inferred Groundwater Flow Direction

Figure 3
Groundwater Contour Map
Fractured Bedrock Aquifer
Former No. 6 Fuel Oil USTs
L. W. Packard and Co., Inc.
Hill Ave. and Mechanic St.
Ashland, New Hampshire
Revised July 2007
NHDES Site No. 200009045



LEGEND Groundwater Monitoring Well Screened Interval Water Table Elevation in Feet Stratified drift composed mostly of silt and fine sand Fill placed in former UST grave and beneath basement slab Bedrock - granodiorite ? Uncertain conditions		Vertical Scale 10 feet 0 Horizontal Scale 0 feet 30	ARC Environmental Consultants, Inc.	Figure 4 Stratigraphic Cross Section A - A' L. W. Packard and Company, Inc. Mechanic Street Ashland, New Hampshire Revised July 2007 NHDES No. 200009045 UST Site No. 0112818 See Figure 2 for location of cross section
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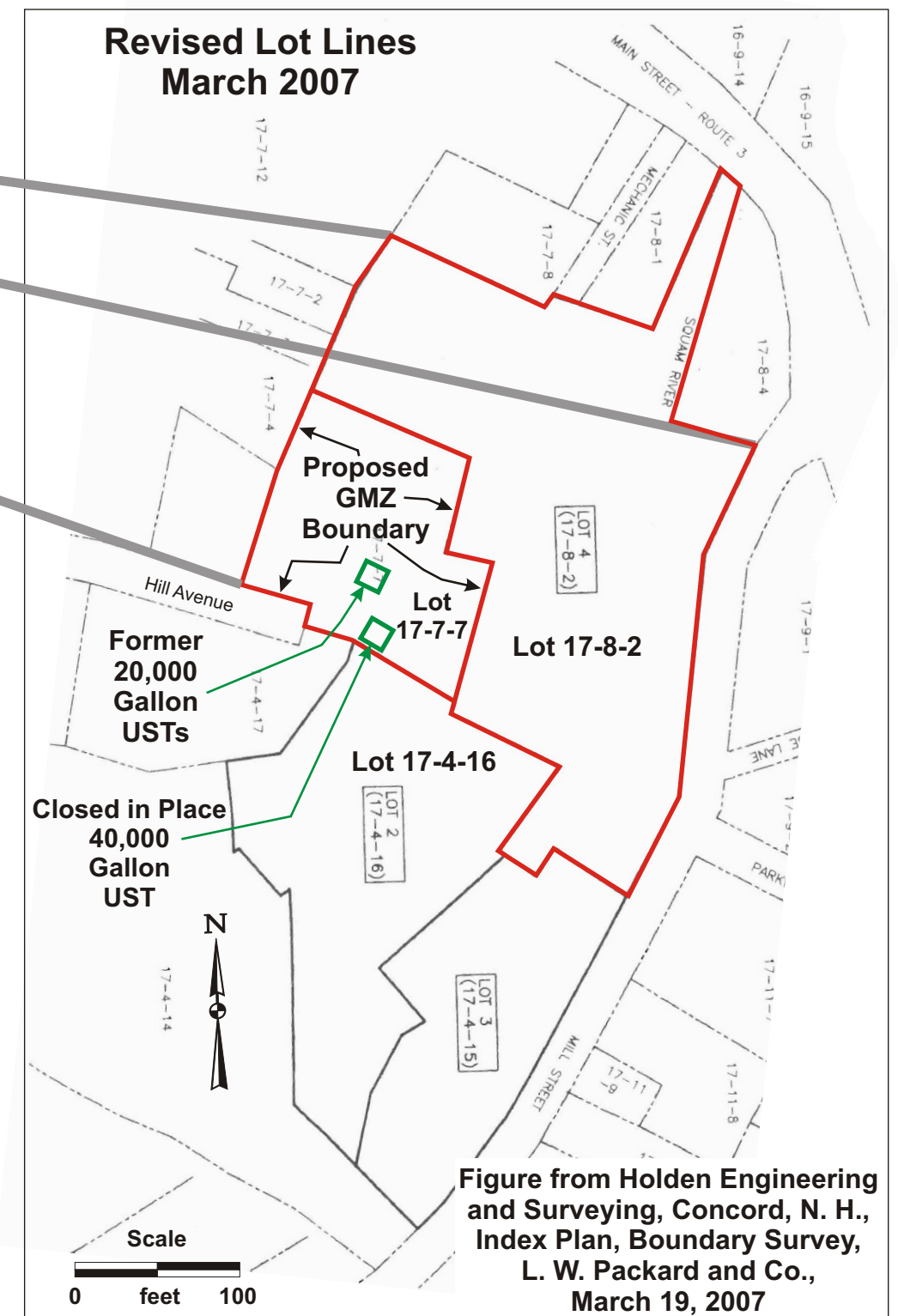
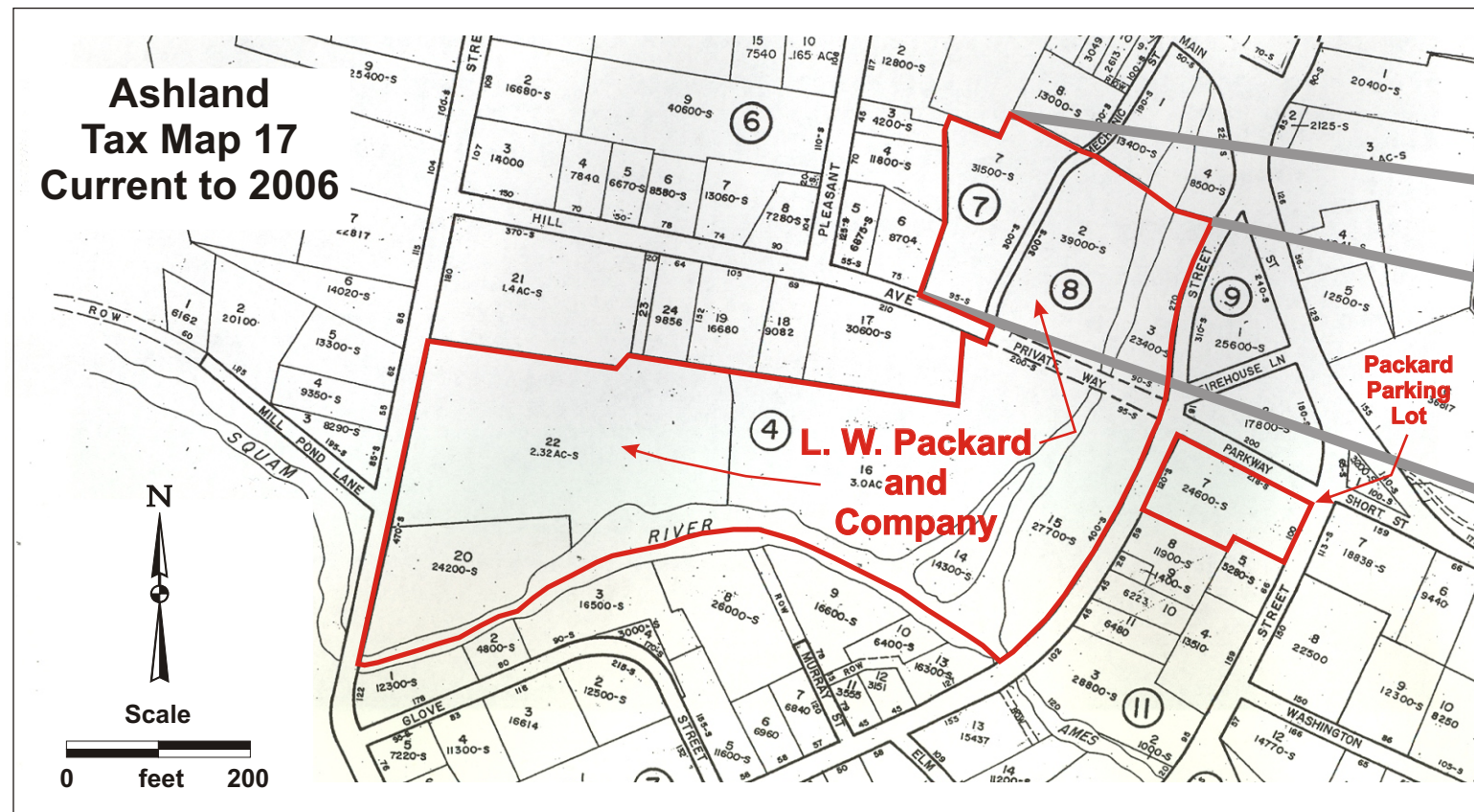


Figure 5
Tax Map and Revised Lot Lines
L. W. Packard and Company
Hill Avenue and Mechanic Street
Ashland, New Hampshire
July 2007

ARC
Environmental Consultants, Inc.

Figure from Holden Engineering and Surveying, Concord, N. H., Index Plan, Boundary Survey, L. W. Packard and Co., March 19, 2007

Appendices



Appendix A

Limitations

1. The conclusions and recommendations presented in this report are based solely upon the described Scope of Work, and not on scientific tasks or procedures beyond the described Scope of Work or the time and budgetary constraints imposed by the Client. The stated conclusions and recommendations represent ARC's best professional judgement, and should not be construed as statements of scientific fact or certainty.

2. In preparing this report, ARC may have relied on information provided by state and local officials, and other parties herein referenced, and on information on record with various state and local agencies made available to ARC at the stated time of inspection. ARC did not attempt to independently verify the accuracy or completeness of all information received or reviewed as part of this investigation.

3. This report may contain the results of quantitative analyses performed by an outside laboratory. In such cases, ARC has relied upon the data provided to formulate its stated conclusions and recommendations, and has not attempted to independently evaluate the reliability of these data.

4. In the event that the conclusions stated in this report express ARC's professional opinion that a release of hazardous substances or petroleum products to the environment has occurred at the subject site, ARC recommends that the Client consult with its legal counsel regarding the duty to report the discharge to the appropriate federal, state, or local authorities. If ARC is not notified in a timely manner that such duty to report has been discharged by another party, ARC may, under certain legal interpretations, be deemed to be a "knowledgeable party", and may consult with its legal counsel regarding its duty to report or confirm the discharge to the appropriate authorities. Otherwise, ARC agrees to maintain in strictest confidence the information contained in this report.

5. This report was prepared for the exclusive use of L. W. Packard and Company, Inc., Ashland, New Hampshire. Except as described below, no other party may rely on the information herein contained. ARC hereby grants L. W. Packard and Company, Inc., permission to distribute this report, or copies thereof *in whole*, to their affiliates, assigned agents, or, at the Client's discretion, to other parties having a direct financial interest in the subject property.

Appendix B

NHDES Correspondence



The State of New Hampshire
Department of Environmental Services



November 20, 2006

John Glidden
President
L.W. Packard and Company, Inc.
PO Box 515
Ashland, New Hampshire 03217

SUBJECT SITE: **ASHLAND** - L.W. Packard and Company, Inc., 6 Mill Street
DES Site # 200009045, Project # 14549, Project Type LUST, Work Load
Priority # 3

Supplemental Site Investigation, prepared by ARC Environmental
Consultants, Inc., dated August 28, 2006

Dear Mr. Glidden:

The New Hampshire Department of Environmental Services (DES) has completed its review of the above referenced report and other information in our files regarding the March 4, 2004 discharge of #6 fuel oil at the referenced site. DES approves the report as meeting the requirements of item # 3 of our February 7, 2006 letter.

A Phase I Environmental Site Assessment (ESA) was performed by ARC Environmental Consultants, Inc. (ARC) for L.W. Packard and Company, Inc. in preparation of a property transfer. The ESA focused on a number of issues which included the former location of two 20,000 gallon underground storage tanks (UST) that were removed in 1988. A considerable quantity of #6 fuel oil impacted soil was removed at the time of tank closure. Soil samples were collected adjacent to the former USTs during the ESA. Analytical results verified a previous discharge, and an undetermined quantity of soil that exceeded New Hampshire S-1 Soil Standards remained in-place. Based on results of the ESA, DES required a Level I Site Investigation.

ARC performed the Level I Site Investigation (SI) as requested by DES. The hydrogeologic study confirmed that groundwater under the site is confined to bedrock. No petroleum compounds were detected in groundwater samples collected from monitoring wells MW-1 and MW-3. Groundwater samples were not obtained from monitoring well MW-2, since free product was observed. Overburden soils exceeded S-1 Standards, but an absence of visible fuel oil staining in core samples from MW-2 suggest that free product has not substantially affected bedrock. Additional study was requested by DES to further define migration pathways and extent of soil and groundwater impact through a Supplemental Site Investigation (SSI).

ARC submitted the SSI which is the subject of our comments. Sample results indicate soil above S-1 Standards are located well below ground surface and confined to a limited area under the building subslab. The soil has had a negligible affect on groundwater as witnessed by the detection of very low levels of several petroleum compounds in the newly installed monitoring well MW-4. Free product was detected in monitoring well OW-1 that was installed through the basement slab. Migration of free product has not been fully determined, but may be the result of seasonally affected perched water confined by configuration of bedrock below the slab.

Since the soil contamination has a limited affect on groundwater quality, DES does not concur with the recommendation to excavate affected soil, at this time. Excavation of inaccessible soils is expensive with limited long term benefit. If the building were to be demolished in the future, DES would consider approving removal at that time. Rather, DES recommends that a Groundwater Management Permit be obtained for the site, and requires the following:

1. Groundwater Management Zone Delineation

A Groundwater Management Zone must be defined as required in New Hampshire Code of Administrative Rule Env-Wm 1403.14. Currently, the mill complex is in the process of being subdivided into separate parcels. At least two monitoring wells will be required to determine the parcels that will be included in the Groundwater Management Permit. Locations of the wells should be proposed by your consultant in consideration of requirements contained in Env-Wm 1403.14 and submitted to DES for approval. Standard split spoon sampling should be conducted during drilling. Soil samples collected during drilling should be field screened with a PID/FID following DES approved headspace analysis procedures. Laboratory analysis of soil samples is not required.

At least two weeks after installation, water samples shall be collected from the monitoring wells and analyzed for DES' Site Remediation Program Full List of Analytes for Volatile Organics and Polynuclear Aromatic Hydrocarbons by EPA Method 8270. The wells shall be surveyed for location and elevation at the time of sampling.

A Groundwater Management Zone Delineation Report shall be submitted to DES within 120 days of receipt of this letter. The report shall include a summary of field soil screening results, a tabulated summary of groundwater quality data, a revised site plan that includes the additional monitoring wells with groundwater elevation data and contours and delineation of the proposed Groundwater Management Zone, and laboratory data sheets for groundwater samples.

2. Groundwater Management Permit Application

Once the consultant demonstrates the work performed in item 1 complies with the requirements of Env-Wm 1403.14 a Groundwater Management Permit Application that complies with Env-Wm1403.13 shall be submitted with the Groundwater Management Zone Delineation Report.

REIMBURSEMENT AND FACILITY COMPLIANCE

To facilitate completion of items # 1 and 2 above, and for any future reimbursement of the associated costs, please use DES' Project-Based and Unit-Based Costs and Work Scope for 1. Groundwater Management Zone (GMZ) Delineation and 2. Groundwater Management Permit Application as contained in DES' Guidance Manual-Policies, Rules & Procedures for Reimbursement.

A review of our files shows that L.W. Packard and Company, Inc. is eligible to receive reimbursement from the New Hampshire Petroleum Reimbursement Funds (Fund), for the costs to implement DES required investigation and remedial work related to the March 4, 2004 #6 fuel oil discharge (Project Type LUST1).

Questions regarding Fund eligibility should be directed the Fund Manager, Ms. Joyce Bledsoe, at (603) 271-8740. Questions regarding facility compliance should be directed to Mr. Tom Beaulieu at (603) 271-2986.

Electronic Submittals

As part of DES' "OneStop Database" retrieval and file management initiative, all future reports and data submitted to the DES' Oil Remediation & Compliance Bureau will be maintained electronically within DES' database. The maintenance of paper copies within files is being phased out, and paper copies will not be available for file reviews. As part of this initiative, DES strongly encourages the electronic submittal of reports and data via email or on a CD. In addition to the electronic submittal, please submit a complete paper copy of the report stamped "Project Manager Duplicate." Please refer to the instructions contained on the DES web site at http://des.nh.gov/orcb/doclist/Electronic_Submittal_Guidelines_10_5_2004.pdf for formatting and electronic signature protection requirements. For additional guidance on electronic submittals please contact Brett Rand at 271-7379.

If you elect not to submit reports and data electronically, reports must be submitted in the following format:

- o Unbound and without hole punches;
- o Double side printed;
- o Do not shade over text and numbers;
- o Eliminate all blank pages;
- o All attachments must contain the DES site number, associated report title and report date;
- o Submit one original report; and,
- o Submit a second copy stamped "Project Manager Duplicate."

Preparation of electronic submittals and Project Manager Duplicate paper copies are reimbursable under the Petroleum Cleanup Funds.

Please contact me immediately if you have any questions regarding this review.

Sincerely,



William R. Evans
Oil Remediation and Compliance Bureau
Tel: (603) 271-2873
Fax: (603) 271-0653
Email: bevans@des.state.nh.us
Enclosures:

cc: Gary Lynn, P.E., Supervisor, ORCB (via email)
James Zeppieri, P.G., ARC Environmental Consultants, Inc.
Ashland Health Officer

WORK PHASE: Site Investigation
PM COPY



Remediation Site - Project Activity Information

[Introduction](#)
[Questions/Comments: Onestop Program Contact](#)
[Column Definitions](#)

Project Activity Number	Site Number	Submittal Date	Submittal Description	Staff	Action Date	Action Description	Amount	Documents
121763	200009045	03/13/2007	Change Order <i>Comments: CO#2-CUTTINGS DISPOSAL</i>	EVANS	03/13/2007	Change Order Approved <i>Comments: APPROVED BY RM</i>	653.1	See Document List
120603		02/06/2007	Change Order <i>Comments: ADDITIONAL DRILLING FOR GMZ DELINEATION</i>	EVANS	02/06/2007	Change Order Approved <i>Comments: APPROVED BY RM</i>	6469.2	See Document List
120474		01/29/2007	Additional Information Received <i>Comments: PROPOSAL FOR GMZ DELINEATION</i>	EVANS	02/05/2007	No Action Necessary (Report filed) <i>Comments: VERBAL APPROVAL</i>		See Document List
120181		01/23/2007	Additional Information Received <i>Comments: ADDENDUM TO INITIAL SITE CHARACTERIZATION REPORT</i>	EVANS	01/29/2007	No Action Necessary (Report filed) <i>Comments: FOR IMAGE SEE HAZWASTE PROJECT #14598</i>	0	
115481		09/11/2006	Fund Reimbursement Request Received <i>Comments: REQ. NO. 2</i>	KIRBY	11/07/2006	FUND REIMBURSEMENT REQUEST APPROVED <i>Comments: APPROVED BY DES</i>	20447.16	See Document List
115175		08/28/2006	Site Investigation Report Received <i>Comments: SUPPLEMENTAL SITE INVESTIGATION REPORT</i>	EVANS	11/20/2006	Additional Information Requested <i>Comments: GMZ DELENATION & GMP APPLICATION</i>		See Document List
114397		08/03/2006	Additional Information Received <i>Comments: REQUEST FOR SITE STATUS FROM ARC ENV</i>	EVANS	08/09/2006	Technical Infomation Provided <i>Comments: LETTER TO LW PACKARD</i>	0	See Document List
113641		07/18/2006	Initial Response Budget Received <i>Comments: FROM ARC FOR SSI</i>	EVANS	07/19/2006	Initial Response Budget Approved <i>Comments: APPROVED BY GL</i>	12079.1	See Document List
105747		12/01/2005	Fund Reimbursement Request Received <i>Comments: REQ. NO. 1</i>	KIRBY	02/15/2006	FUND REIMBURSEMENT REQUEST APPROVED <i>Comments: APPROVED BY DES</i>	13963.65	See Document List

105318		11/15/2005	Additional Information Received <i>Comments: RESPONSE TO TELEPHONE CONVERSTATION</i>	EVANS	12/19/2005	No Action Necessary (Report filed)		See Document List
1 2								

[Prev](#)[Next](#)[Printable Version in Excel](#)[Printable Version Help](#)**Total Records Returned: 15**[Return to Query](#)

The Department of Environmental Services is dedicated to making more environmental information more readily available to more people while maintaining user confidence in the information. The information is the best available according to the procedures and standards of each of the contributing programs and of this system. The different programs are regularly maintaining the information in their databases, and the system is periodically being modified to respond to user needs. As a result, the system may not always provide access to all existing information, and it may occasionally contain unintentional inaccuracies. The Department has made every effort to present the information in a clear and understandable way for a variety of users. We can not be responsible, however, for the misuse or misinterpretation of the information presented by this system.

Appendix C

ARC Correspondence



January 26, 2007

Mr. William R. Evans
Oil Remediation and Compliance Bureau
Waste Management Division
New Hampshire Department of Environmental Services
P. O. Box 95
Concord, New Hampshire 03302-0095

**Subject: Closed 20,000 Gallon No. 6 Fuel Oil USTs
L. W. Packard and Company, Inc.
Mechanic Street
Ashland, New Hampshire
ARC Project No. LW-04742
NHDES Site No. 200009045**

Dear Mr. Evans:

This letter has been prepared in response to your correspondence of November 20, 2006 concerning the delineation of a groundwater management zone for the above referenced site.

ARC has attached the following figures and tables to provide you with the information that forms the basis for the proposed monitoring well locations:

- Figure 1 - Soil Sample Locations;
- Figure 2 - Proposed Soil Borings and Groundwater Monitoring Wells, GMZ Delineation;
- Figure 3 - Groundwater Contour Map;
- Table 2 - Sample Analytical Results, June 21, 2004;
- Table 3 - Sampling Analytical Results, April 6, 2004 and May 5, 2004;
- Table 3 - Soil Sample Analytical Results, July 2006; and
- Table 6 - Summary of Field Observations for Soil Borings, April and June 2004.

Figure 1 shows the locations of Geoprobe soil borings performed by ARC in 2004 for an Environmental Site Assessment done for the entire Packard property. Soil borings B-7, B-8, B-12, B-17, and B-18 were advanced in areas expected to be downgradient of the closed no. 6 fuel oil USTs. Table 2 (June 21, 2004) and Table 3 (April and May 2004) include the soil analytical data for the soil borings shown on Figure 1. Table 6 summarizes ARC's field observations for the soil borings done in 2004.

Figure 2 shows the locations of three proposed groundwater monitoring wells to better delineate a groundwater management zone for the former no. 6 oil USTs. One of the three proposed wells is at the location of soil boring B-8 (shown on Figure 1) where high levels of TPH were detected at the bottom of the soil boring in 2004. This proposed location is also expected to be downgradient of soil boring B-5 (July 2006) where elevated levels of TPH and naphthalene were encountered at depth. The second of the three proposed wells is beyond the southwest side of the private right of way that leads to Hill Street. This well location is proposed to better determine the southwest limit of soil and/or groundwater impacts from the former USTs. This proposed location is also within a separate parcel of the Packard property, not included within the boiler room and closed USTs parcel, that is currently for sale. The third proposed location is just to the northwest of the Squam River. This location is recommended because it is expected to be at a far downgradient location, and immediately upgradient of the Squam River.

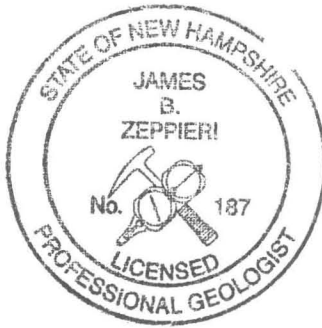
Based on the past installation of groundwater monitoring wells MW-1 through MW-4 for the closed no. 6 USTs, any additional monitoring wells are expected to be screened in the aquifer developed in the fractured bedrock.

Possible impacts to soil and groundwater conditions on the southeast side of the Squam River, northwest of Mill Street, were addressed in ARC's September 29, 2006 Soil and Groundwater Sampling and Analysis Report for Packard Parcel E. This report did not reveal any impacts to soil or groundwater conditions that can reasonably be attributed to the closed no. 6 USTs. On December 8, 2006, the NHDES issued a Letter of No Further Action for Packard Parcel E.

ARC has scheduled the services of New Hampshire Boring beginning on Tuesday, February 13, 2007 for the groundwater management zone delineation work.

Please call Jim Zeppieri at 746-4156 if you have any questions or need additional information.

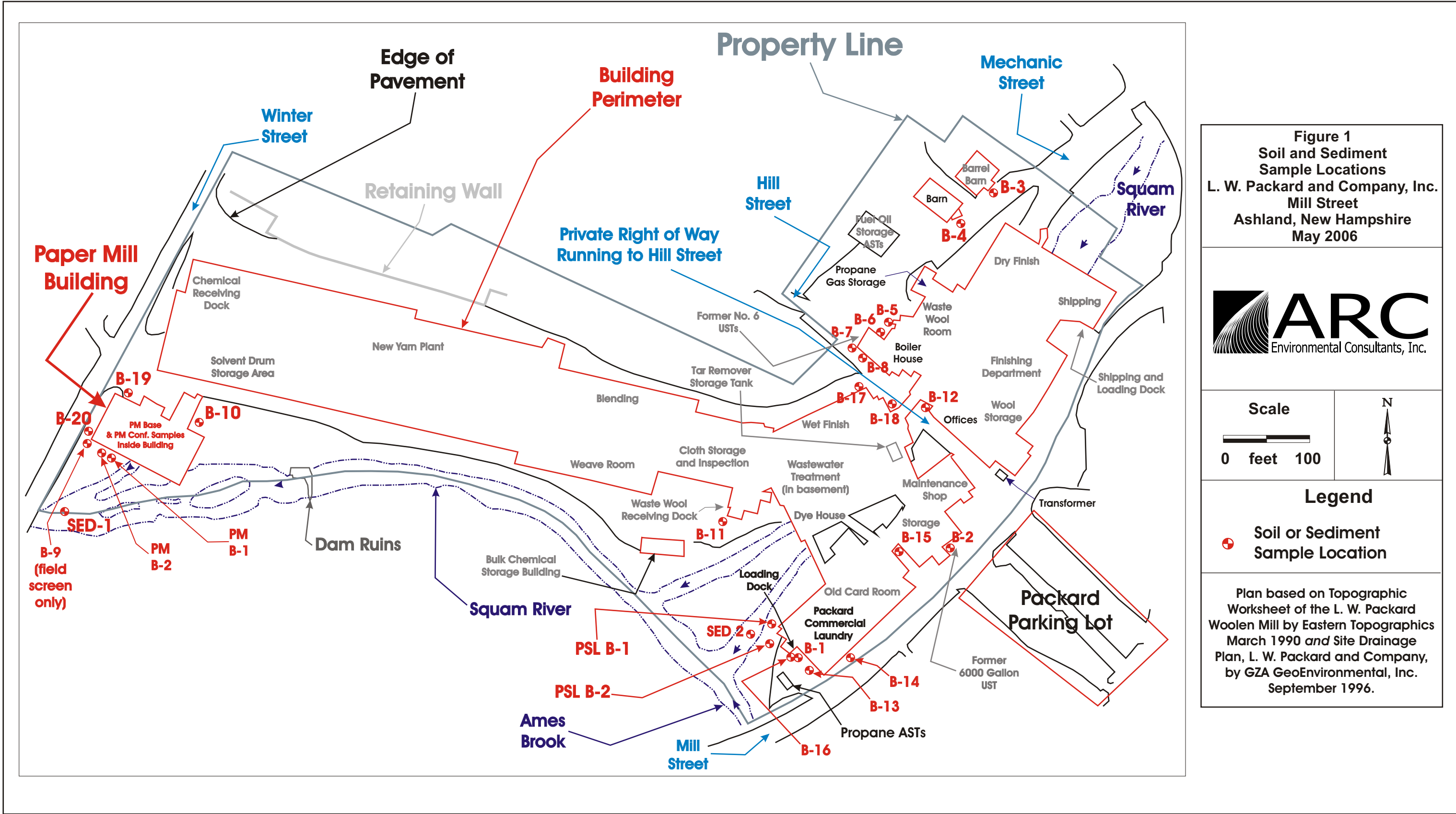
Ashland - L. W. Packard and Company
NHDES Site No. 200009045
January 26, 2007, Page 3

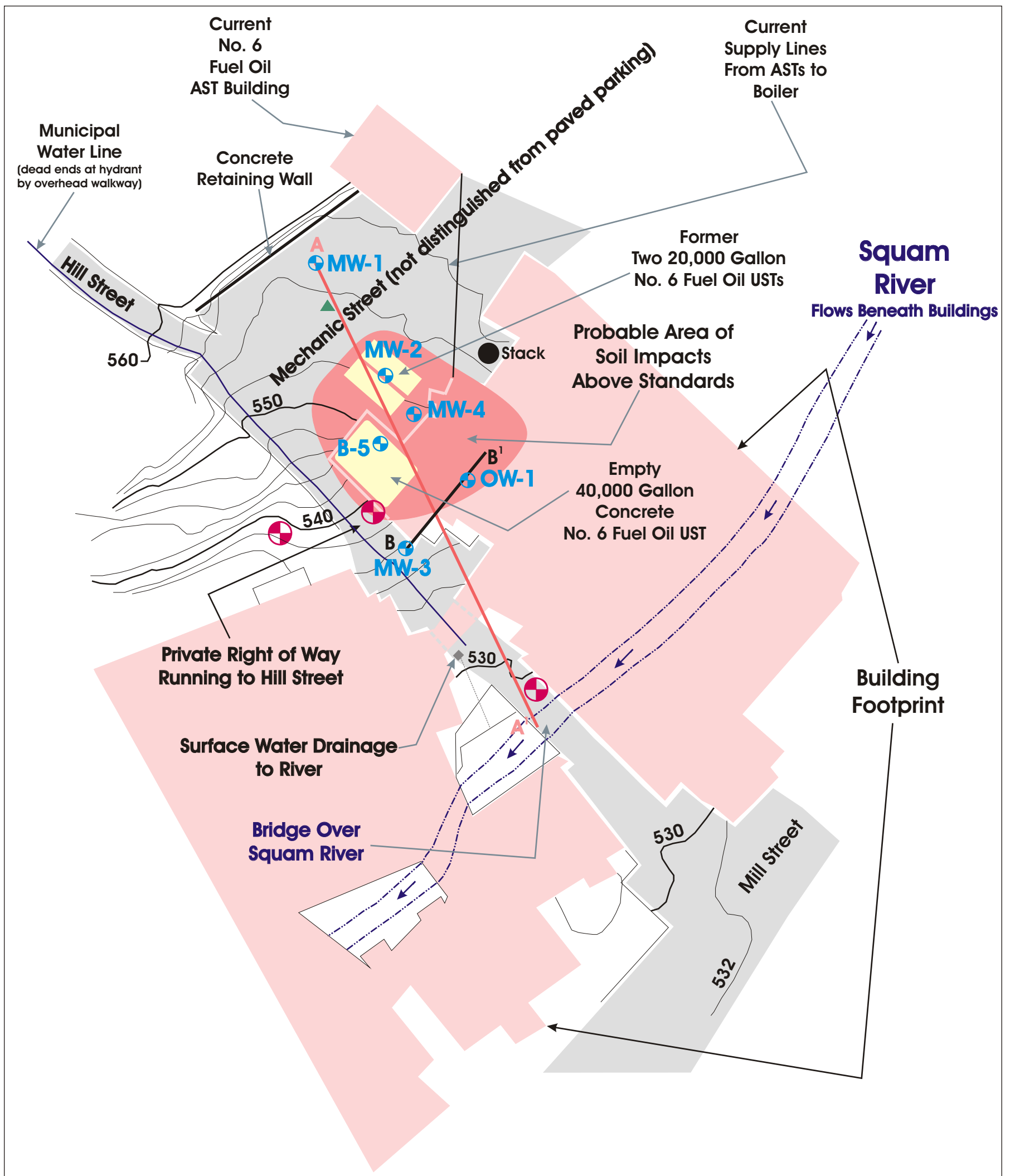


Sincerely,
ARC ENVIRONMENTAL CONSULTANTS, INC.

James B. Zeppieri
James B. Zeppieri, P. G.
Project Manager

Attachments: Figures 1 - 3
Tables 2, 3 (2 separate tables) and 6





Plan based on Topographic Worksheet of the L. W. Packard Woolen Mill by Eastern Topographics March 1990 and Site Drainage Plan, L. W. Packard and Company, by GZA GeoEnvironmental, Inc. September 1996.



Scale
0 feet 50

Legend

- Soil Boring/Groundwater Monitoring Well, Installed 2005 and 2006
- Surface Elevations in Feet, Referenced to NGVD, Contour Interval 2 Feet
- Datum - Spot Elevation on Pavement from 1990 Topo Survey
- Asphalt Pavement
- Proposed Groundwater Monitoring Well for GMZ Delineation
- Stratigraphic Cross Section A - A'
- Building Cross Section B - B'

Figure 2
Proposed Soil Borings and Groundwater Monitoring Wells
GMZ Delineation
No. 6 Fuel Oil USTs
L. W. Packard and Co., Inc.
Mechanic Street
Ashland, New Hampshire
January 2007
NHDES Site No. 200009045



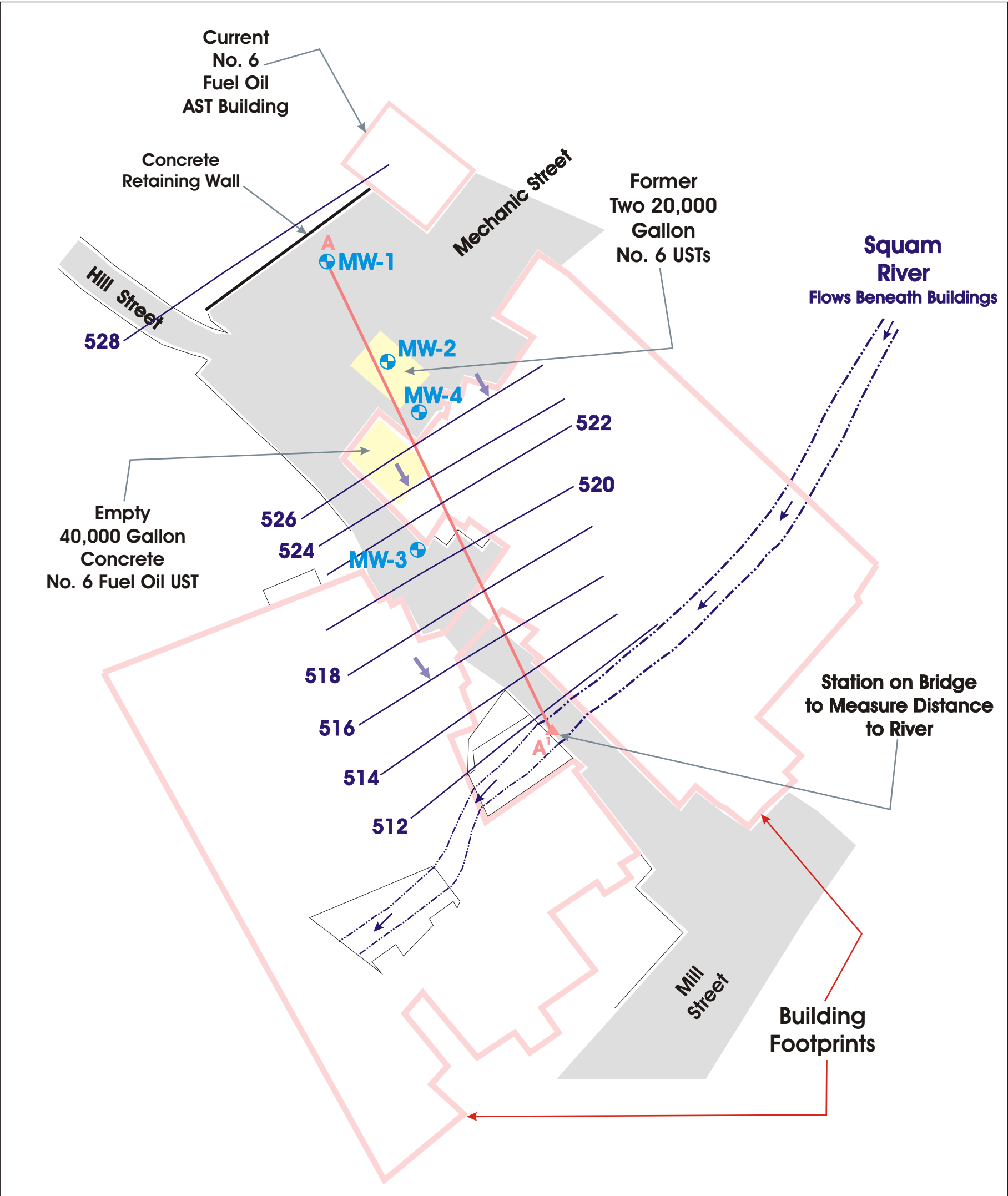


Figure based on Topographic Worksheet of the L. W. Packard Woolen Mill by Eastern Topographics March 1990 and Site Drainage Plan, L. W. Packard and Company, by GZA GeoEnvironmental, Inc. September 1996.

Groundwater Elevations in Feet, August 14, 2006	
MW-1	527.39
MW-3	520.26
MW-4	526.89
Squam R. at Bridge	511.40

N

Scale

Legend

- Groundwater Monitoring Well
- Groundwater Contour in Feet, Referenced to NGVD, Contour Interval 2 Feet
- Asphalt Pavement
- Location of Stratigraphic Cross Section A - A' (see Figure 4)
- Inferred Groundwater Flow Direction

Figure 3
Groundwater Contour Map
Former No. 6 Fuel Oil USTs
L. W. Packard and Co., Inc.
Mechanic Street
Ashland, New Hampshire
August 2006
NHDES Site No. 200009045

Table 2
Sampling Analytical Results
L. W. Packard and Company, Inc.
Mill Street, Ashland, New Hampshire
NHDES Site No. 200009045
Samples Collected on June 21, 2004
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION CHEMICAL	B-13 S-4	B-14 S-3	B-15 S-4	B-16 S-4	PSL B-1	PSL B-2	PM B-1	PM B-2	B-17 S-4	B-18 S-1	B-19 S-3	B-20 S-2	PM CONF. 2	PM BASE	NHDES Standard ²
Total Petroleum Hydrocarbons (motor oil standard)	NS	NS	NS	NS	NS	NS	360	260	ND	ND	190	190	14,000	1,000	10,000
Polyaromatic Hydrocarbons															
Acenaphthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	0.58	ND	ND	340
Anthracene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.58	ND	1.90	ND	ND	8700
Benzo (a) anthracene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.61	ND	3.00	ND	ND	1.2
Benzo (b) fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	4.10	ND	ND	1.2
Benzo (k) fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.48	ND	ND	ND	ND	12
Benzo (a) pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	0.63	ND	4.10	ND	ND	0.7
Chrysene	NS	NS	NS	NS	NS	NS	0.40	ND	ND	0.67	ND	2.60	ND	ND	120
Benzo (ghi) perylene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	3.10	ND	ND	870 ³
Fluoranthene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	1.20	ND	ND	1200
Fluorene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	77
Indeno (1,2,3-cd) pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	1.2
Naphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	5
Phenanthrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	870 ³
Pyrene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	870 ³
2-Methylnaphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	100
1-Methylnaphthalene	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	none
Metals															
Arsenic	1.40	1.500	3.800	87.00	3.900	2.900	2.500	3.000	NS	NS	4.000	6.0	3.0	4.000	12
Barium	NS	NS	NS	NS	NS	NS	82.00	30.00	NS	NS	28.00	43.0	34.0	41.00	750
Chromium	NS	NS	NS	NS	NS	NS	7.400	9.00	NS	NS	11.00	9.0	11.0	12.00	1,000

Table 2, Page 2
Ashland, L. W. Packard and Company, NHDES Site No. 200009045

SAMPLING LOCATION CHEMICAL	B-13 S-4	B-14 S-3	B-15 S-4	B-16 S-4	PSL B-1	PSL B-2	PM B-1	PM B-2	B-17 S-4	B-18 S-1	B-19 S-3	B-20 S-2	PM CONF. 2	PM BASE	NHDES Standard
Lead	NS	NS	NS	NS	NS	NS	35.00	110.0	NS	NS	9.000	120.0	77.0	49.00	400
Mercury	NS	NS	NS	NS	NS	NS	0.200	0.200	NS	NS	ND	0.10	0.70	0.700	13
Selenium	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	ND	ND	ND	ND	260
<i>Polychlorinated Biphenyls</i>															
PCB 1248	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	ND	0.66	ND	ND	1

Notes for Table 2:

- See Figure 2 for sample locations.
- Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2004. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.
- The soil standard for the total concentration of benzo (ghi) perylene; phenanthrene; and pyrene is 870 milligrams per kilogram.

Table 3
Sampling Analytical Results
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
Samples Collected on April 6, 2004 and May 5, 2004
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION ¹	SED-1	SED-2	PAPERMILL	PAPERMILL-2	CONF.	B-1/S-4	B-5/S-4	B-8/S-4	B-12/S-1	NHDES Standard ²
CHEMICAL										
<i>Total Petroleum Hydrocarbons</i> (motor oil standard)	NS	NS	22,000	NS	6,300	ND	31,000	56,000	16,000	10,000
<i>Volatile Organic Compounds</i>										
sec-Butylbenzene	ND	ND	ND	NS	NS	ND	0.990	0.667	ND	130
Ethylbenzene	ND	ND	ND	NS	NS	ND	0.640	0.385	ND	140
Isopropylbenzene	ND	ND	ND	NS	NS	ND	0.464	0.280	ND	330
p-Isopropyltoluene	ND	ND	ND	NS	NS	0.741	0.338	ND	ND	390
Naphthalene	ND	ND	ND	NS	NS	ND	6.730	3.570	ND	5
n-Propylbenzene	ND	ND	ND	NS	NS	ND	1.020	0.589	ND	85
<i>Poly Aromatic Hydrocarbons</i>										
Benzo (ghi) perylene	NS	NS	ND	NS	NS	NS	ND	ND	1.40	870
Fluoranthene	NS	NS	ND	NS	NS	NS	ND	ND	1.70	1200
Indeno (1,2,3-cd) pyrene	NS	NS	ND	NS	NS	NS	ND	ND	1.20	1.2

Table 3, Page 2
L. W. Packard and Company

SAMPLING LOCATION CHEMICAL	SED-1	SED-2	PAPERMILL	PAPERMILL-2	CONF.	B-1/S-4	B-5/S-4	B-8/S-4	B-12/S-1	NHDES Standard
Phenanthrene	NS	NS	ND	NS	NS	NS	ND	ND	1.70	870
Pyrene	NS	NS	ND	NS	NS	NS	ND	ND	1.40	870
2-Methylnaphthalene	NS	NS	ND	NS	NS	NS	4.60	ND	ND	100
1-Methylnaphthalene	NS	NS	ND	NS	NS	NS	3.20	ND	ND	none
Acid Base Neutral Extractable Compounds										
Chrysene	NS	NS	NS	2.400	NS	ND	NS	NS	NS	120
Metals										
Arsenic	0.900	3.700	NS	4.000	NS	120.000	NS	NS	2.600	12
Barium	15.000	15.000	NS	110.000	NS	33.000	NS	NS	25.000	750
Chromium	4.300	11.000	NS	13.000	NS	7.000	NS	NS	11.000	1,000
Lead	64.000	8.500	NS	430.000	NS	43.000	NS	NS	73.000	400
Mercury	ND	ND	NS	3.300	NS	0.200	NS	NS	0.400	13
Selenium	ND	ND	NS	ND	NS	3.000	NS	NS	ND	260
Polychlorinated Biphenyls										
PCB 1248	NS	NS	NS	1.70	NS	NS	NS	NS	NS	1
Other Parameters										
Reactive Sulfide	NS	NS	NS	ND	NS	NS	NS	NS	NS	none
Reactive Cyanide	NS	NS	NS	ND	NS	NS	NS	NS	NS	100
Flash Point	NS	NS	NS	>165°F	NS	NS	NS	NS	NS	none

Notes for Table 3:

1. See Figure 9 for sample locations.

2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2004. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.

3. The soil standard for the total concentration of benzo (ghi) perylene; phenanthrene; and pyrene is 870 milligrams per kilogram.

Table 3
Soil Sample Analytical Results
L. W. Packard and Company, Inc.
Ashland, New Hampshire
NHDES Site No. 200009045
Samples Collected in July 2006
All Results Expressed in Milligrams per Kilogram

SAMPLING LOCATION CHEMICAL	Soil Boring SS-6 (sub-slab in boiler room area)	Soil Boring B-5 Sample No. S-1	Soil Boring B-5 Sample No. S-7	Soil Boring B-4 Sample No. S-3	Soil Boring B-4 Sample No. S-4	NHDES Soil Standard ²
<i>Volatile Organic Compounds</i>						
tetrachloroethene	BD	0.440	BD	0.100	BD	1.8
ethylbenzene	BD	BD	1.400	BD	1.600	140
xylene	BD	BD	0.100	BD	0.050	900
isopropylbenzene	0.270	BD	0.670	BD	0.700	330
n-propylbenzene	0.210	BD	1.600	BD	1.700	85
tert-butylbenzene	BD	BD	BD	BD	0.060	100
1,2,4-trimethylbenzene	BD	BD	0.070	BD	0.110	130
sec-butylbenzene	0.880	BD	1.100	BD	1.300	130
p-isopropyltoluene	BD	BD	BD	BD	0.100	390
n-butylbenzene	0.580	BD	1.900	BD	2.400	110
naphthalene	BD	BD	11.000	BD	16.000	5
Total Petroleum Hydrocarbons (fuel oil standard)	60,000	950	26,000	12,000	11,000	10,000

Table 3, Page 2, August 2006
L. W. Packard and Company

SAMPLING LOCATION CHEMICAL	Soil Boring SS-6 (sub-slab in boiler room area)	Soil Boring B-5 Sample No. S-1	Soil Boring B-5 Sample No. S-7	Soil Boring B-4 Sample No. S-3	Soil Boring B-4 Sample No. S-4	NHDES Soil Standard ²
<i>Polyaromatic Hydrocarbons</i>						
chrysene	BD	0.300	4.000	0.800	2.000	120
fluorene	5.000	BD	7.000	BD	3.000	77
naphthalene	BD	BD	30.000	BD	10.000	5
phenanthrene	9.000	0.400	19.000	BD	8.000	870 ³
pyrene	6.000	0.600	5.000	1.000	2.000	870 ³
2-methylnaphthalene	BD	BD	100.00	BD	46.00	100
acenaphthene	BD	BD	4.000	BD	2.000	340

Notes for Table 3:

1. See Figure 2 for sample locations.

2. Soil Standards from Table 1600-1, Soil Standards, contained in Env-Wm 1600, Standards for Reporting and Remediation of Oil Discharges, October 2004; and the NHDES Risk Characterization and Management Policy, May 2005. Values expressed in milligrams per kilogram. Values highlighted exceed the standard.

3. The soil standard for the total concentration of benzo (ghi) perylene, phenanthrene, and pyrene is 870 milligrams per kilogram.

Table 6
Summary of Field Observations for Soil Borings
L. W. Packard and Company
Mill Street, Ashland, New Hampshire
NHDES Site No. 200009045
Soil Borings Performed in April and June 2004

Boring Number	Observations
B1	Brown sand and gravel fill to about 15 feet with occasional occurrences of asphalt pavement and ash. From 15 to 20 feet, sand and gravel fill with a six inch layer of a black organic material and a malodorous light gray resinous substance. Dry to 20 feet. From 20 to 25 feet, wet native sand and gravel grading to silty fine sand at bottom of boring.
B2	Dark brown sand and gravel fill to 6 feet, wet only at bottom.
B3	Two inches of asphalt pavement at ground surface. Brown generally fine sand to 10 feet, dry to bottom.
B4	Two inches of asphalt pavement at ground surface. Black, dark brown, orange and tan fine sand to 10 feet. No sample recovered from 10 to 15 feet. Dry at bottom.
B5	Two inches of asphalt pavement at ground surface. Dark brown to black organic ash mixed with no. 6 fuel oil to 5 feet. From 5 to 15 feet, light brown fine to medium sand, dry to bottom. From 15 to 19.5 feet, tan fine sand underlain by 18 inches of black oily sand.
B6	Black and tan sand underlain by oily cinders to 5 feet. Dark brown and black fine sand mixed with oily cinders to 20 feet. Wet at 15 feet. Presence of no. 6 fuel oil from 15 to 20 feet.
B7	Two inches of asphalt pavement at ground surface. Black and dark brown brick fragments and coal to 5 feet. Dry tan fine sand to 10 feet, dry at bottom.
B8	Two inches of asphalt pavement at ground surface. Brown, tan and buff fine sand, dry to 15 feet. From 15 to 17 feet, red sand with no. 6 fuel oil from 16 to 17 feet.
B9	Medium to coarse brown sand and gravel to 10 feet, dry to five feet. From 10 to 14 feet, red brown fine to medium silty sand with organic layer near bottom.
B10	Brown and red sand and silt mixed with bricks and debris to about 12 feet. From 12 to 15 feet, gray silty fine sand, probably native.
B11	Dark brown and black sand and gravel with an ash layer at 5 feet. From 5 to 15 feet, orange and dark brown sand and gravel.
B12	Two inches of asphalt pavement at ground surface. Dry fine buff and brown sand with fuel oil odor.

Table 6, Page 2

Ashland, L. W. Packard and Company, NHDES Site No. 200009045

Boring Number	Observations
B13	Fine to medium brown sand, fill. Tan, red, and dark brown fine sand with some sand and gravel layers to 20 feet. Coal layer at eight feet, dry to 17 feet.
B14	Brown, red, and tan fine to coarse sand and gravel, dry to 12.5 feet. From 12.5 to 15 feet, wet tan and red fine sand underlain by gray silty fine sand.
B15	Two inches of asphalt pavement at ground surface. To 18 feet, brown, reddish brown, and tan sand and gravel, moist at bottom.
B16	Brown fine to coarse sand and gravel, silty in places. Asphalt, coal, wood, organic and brick layers intermixed to 20 feet. Dry to bottom.
B17	Tan and orange fine sand to 10 feet. Medium to coarse sand and gravel from 10 to 20 feet.
B18	Coal debris to bottom, refusal at 4.2 feet.
B19	Two inches of asphalt pavement at ground surface. Coal, coal ash slag, sand and gravel to 10 feet, moist at bottom. Brown, tan and red sand and gravel from 10 to 15 feet.
B20	Silty brown fine to medium sand and gravel to about 8.5 feet. Peat and coal to 10 feet.

Note: All soil borings performed by New Hampshire Boring, Inc., with a Geoprobe 6610 DT soil probing machine. Samples were recovered in 5 foot long plastic sleeves.

Appendix D

Soil Boring Logs and Groundwater Monitoring Well Construction Details

Phone: (603) 364-2828

ARC ENVIRONMENTAL CONSULTANTS, INC.
GILMANTON IRON WORKS, NEW HAMPSHIRE

Fax: (603) 364-2829

SOIL BORING LOG

Boring #: Soil boring for well MW-5 (B-6)	Project: L. W. Packard	Project #: NHDES 200009045
Project Address: Mechanic Street	Town: Ashland	State: NH Zip: 03217
Date Start: February 15, 2007	Date End: February 15, 2007	Location: See Site Plan
Driller: New Hampshire Boring, Inc.	Equipment: CME 45 C Off-Road Drilling Rig	Sampler: 24" split spoon sampler

GROUNDWATER OBSERVATION

Date:	DEPTH:		Stabilization Period:				
DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION
0	S-1	5' – 7'	24"	20"	4-8-12-15	<1	Loose, damp, medium brown silt and very fine to fine sand
1							
2							
3							
4							
5	S-2	10' – 12'	24"	14"	7-11-12-13	1	Medium dense, damp, medium brown silt and very fine to fine sand
6							
7							
8							
9							
10	S-3	15' – 17'	24"	8"	4-6-17-24	5	Medium dense, damp, very fine to fine sand and silt, trace coarse sand, black oil stained at bottom
11							
12							
13							
14							
15	S-4	20' – 21'9"	21"	19"	29-23-21-50/3"	5	Medium dense, damp, silt and very fine sand, black oil stained from about 20' to 20'4", red silt at bottom
16							
17							
18							
19							
20							Begin NX coring at 22 feet, 5 foot run
21							
22							
23							
24							
Driller: Jay Garside			Helper: George Bell			Inspector: Jim Zeppieri	
Remarks: Drive and wash with roller bit and casing. Groundwater not encountered in unconsolidated surficial materials to top of bedrock at 21 feet, 9 inches. NX rock coring from 22 to 32 feet, well screen set in bedrock from 22 to 32 feet.							
S#: Sample		PEN: Penetration			REC: Recovery		OVA – VOCs in ppm

Phone: (603) 364-2828

ARC ENVIRONMENTAL CONSULTANTS, INC.
GILMANTON IRON WORKS, NEW HAMPSHIRE
SOIL BORING LOG

Fax: (603) 364-2829

Boring #: Soil boring for well MW-5, Page 2				Project: L. W. Packard		Project #: NHDES 200009045	
Project Address: Mechanic Street				Town: Ashland		State: NH Zip: 03217	
Date Start: February 13, 2007				Date End: February 13, 2007		Location: See Site Plan	
Driller: New Hampshire Boring, Inc.				Equipment: CME 45 C Off-Road Drilling Rig		Sampler: 24" split spoon sampler	
G R O U N D W A T E R O B S E R V A T I O N							
Date:	DEPTH:			Stabilization Period:			
DEPTH	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION
25 26 27							End of first core run at 27 feet, 47.5 inches of core greater than 4 inches in length recovered RQD = 79% (good rock mass classification) Some oil staining noted from 22 to 27 feet Second core run from 27 to 32 feet
28 29 30 31 32		22' – 32'	10'	10'	NA	NA	End of second core run at 32 feet, 52 inches of core greater than 4 inches recovered RQD – 87% (good rock mass classification) Rock identified as Kinsman Granodiorite 10 feet of core recovered in total
Driller: Jay Garside			Helper: George Bell			Inspector: Jim Zeppieri	
Remarks:							
S#: Sample		PEN: Penetration		REC: Recovery		OVA – VOCs in ppm	

Phone: (603) 364-2828

**ARC ENVIRONMENTAL CONSULTANTS, INC.
GILMANTON IRON WORKS, NEW HAMPSHIRE
SOIL BORING LOG**

Fax: (603) 364-2829

Boring #: Soil boring for well MW-6 (B-7)				Project: L. W. Packard		Project #: NHDES 200009045	
Project Address: Mechanic Street				Town: Ashland		State: NH Zip: 03217	
Date Start: February 15, 2007				Date End: February 15, 2007		Location: See Site Plan	
Driller: New Hampshire Boring, Inc.			Equipment: CME 45 C Off-Road Drilling Rig			Sampler: 24" split spoon sampler	
G R O U N D W A T E R O B S E R V A T I O N							
Date:	DEPTH:		Stabilization Period:				
DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION
0							
1							
2							
3							
4							
5	S-1	5' – 5'3"	3"	3"	50/3"	0	Loose, damp, dark brown silt and very fine to fine sand, trace coarse sand, trace granules NX Rock Coring from 6 to 21 feet First core run from 6 to 11 feet 45.5 inches of core greater than 4 inches in length for 60 total inches of core recovered RQD = 76% (good rock mass classification) Second core run from 11 to 16 feet 44.5 inches of core greater than 4 inches recovered, RQD = 74% (good rock mass classification)
6							
7							
8							
10							
11							
12							
13							
14							
15							
16							Third core run from 16 to 21 feet 30.5 inches of core greater than 4 inches for 48 total inches of core recovered RQD = 63% (fair rock mass classification)
17							
18							
19							
20							14 total feet of core recovered, bottom 1 foot apparently not recovered Bottom of coring and borehole
21							Rock identified as Kinsman Granodiorite
Driller: Jay Garside			Helper: George Bell			Inspector: Jim Zeppieri	
Remarks: Drive and wash with roller bit and casing to six feet. Groundwater not encountered in unconsolidated surficial materials to top of bedrock at 5'3" feet. NX rock coring from 6 to 21 feet, well screen set in bedrock from 6 to 21 feet.							
S#: Sample		PEN: Penetration		REC: Recovery		OVA – VOCs in ppm	

Phone: (603) 364-2828

**ARC ENVIRONMENTAL CONSULTANTS, INC.
GILMANTON IRON WORKS, NEW HAMPSHIRE
SOIL BORING LOG**

Fax: (603) 364-2829

Boring #: Soil boring for well MW-7 (B-8)				Project: L. W. Packard		Project #: NHDES 200009045	
Project Address: Hill Street				Town: Ashland		State: NH Zip: 03217	
Date Start: February 16, 2007				Date End: February 16, 2007		Location: See Site Plan	
Driller: New Hampshire Boring, Inc.			Equipment: CME 45 C Off-Road Drilling Rig			Sampler: 24" split spoon sampler	
G R O U N D W A T E R O B S E R V A T I O N							
Date:	DEPTH:		Stabilization Period:				
DEPTH (feet)	S.#	SAMPLE INTERVAL	PEN	REC	BLOWS/6"	OVA	SAMPLE DESCRIPTION
0							
1							
2							
3							
4							
5	S-1	5' – 7'	24"	12"	2-5-3-3	<1	Very loose, damp, medium brown silt and very fine to fine sand
6							
7							
8							
9							
10	S-2	10' – 12'	24"	6"	6-5-7-21	<1	Loose, moist, medium brown silt and very fine to fine sand
11							
12							
13							
14							
15	S-3	15' – 17'	24"	14"	20-22-41-20	0	Medium dense, moist, dark brown, very fine to very coarse sand and pebble gravel, little silt
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
Driller: Jay Garside			Helper: George Bell			Inspector: Jim Zeppieri	
Remarks: Drive and wash with roller bit and casing. Bedrock not encountered to 30 feet. Well screen set in surficial materials from 20 to 30 feet. No samples collected after 17 feet.							
S#: Sample		PEN: Penetration		REC: Recovery		OVA – VOCs in ppm	

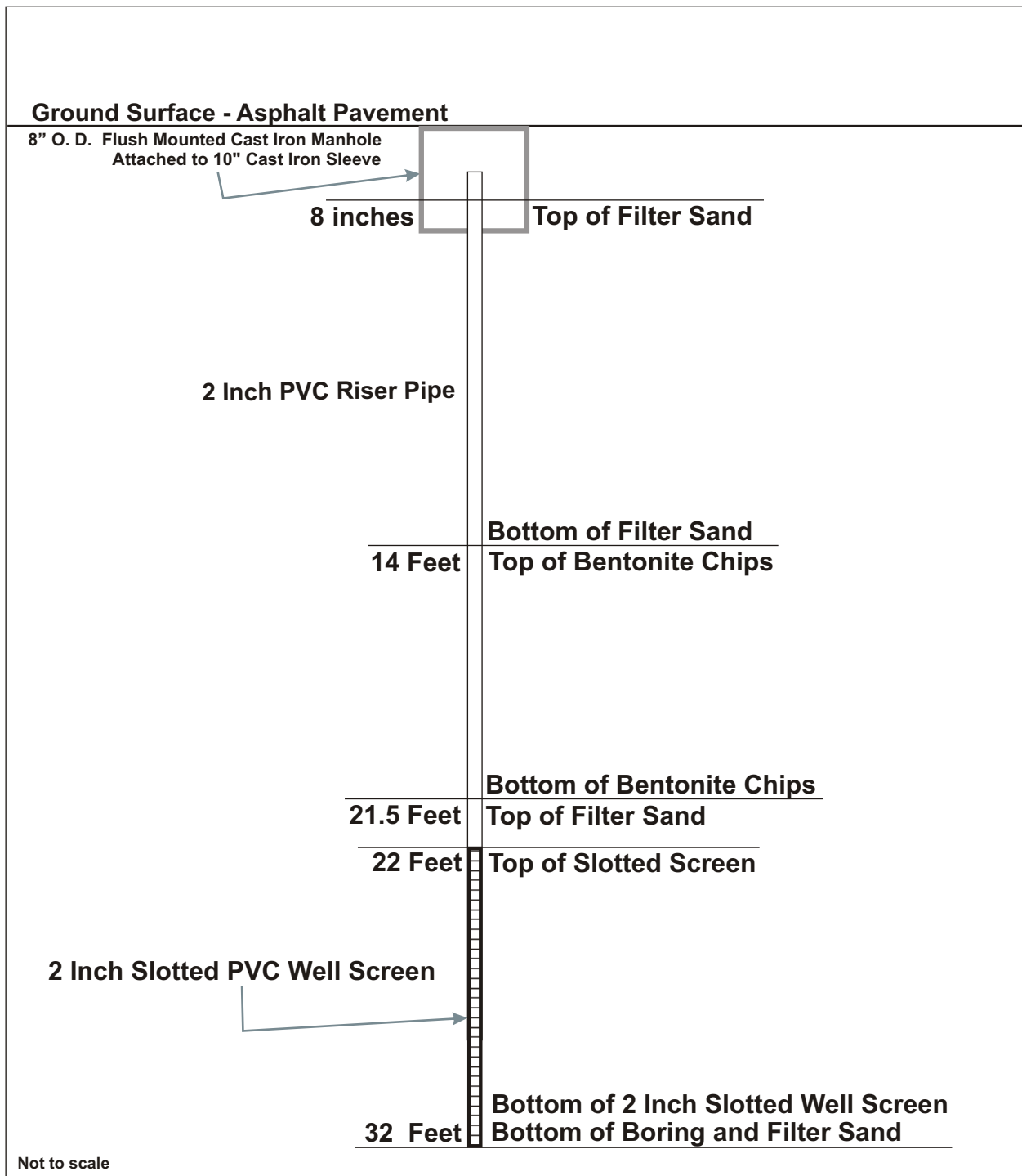
**Groundwater Monitoring
Well Schematic**

**Monitoring Well Number:
MW-5 (Bedrock)**

**Well Installation Date:
February 13, 2007**



**Project Name:
L. W. Packard and Company, Inc.
Mill Street
Ashland, New Hampshire
February 2007
NHDES No. 200009045
UST Site No. 0112818**



**Groundwater Monitoring
Well Schematic**

**Monitoring Well Number:
MW-6 (Bedrock)**

**Well Installation Date:
February 15, 2007**



**Project Name:
L. W. Packard and Company, Inc.
Hill Street
Ashland, New Hampshire
February 2007
NHDES No. 200009045
UST Site No. 0112818**

Ground Surface - Asphalt Pavement

8 " O. D. Flush Mounted Cast Iron Manhole
Attached to 10" Cast Iron Sleeve With 1 Bolt

8 Inches

Top of Concrete

Bottom of Concrete

Top of Sand

2" PVC Riser Pipe

4 Feet

Bottom of Sand

Top of Bentonite Chips

5 Feet

Bottom of Bentonite Chips

Top of Filter Sand

6 Feet

Top of Slotted Screen

2" Slotted PVC Well Screen

21 Feet

Bottom of 2" Slotted Well Screen

Bottom of Boring and Filter Sand

Not to scale

**Groundwater Monitoring
Well Schematic**

**Monitoring Well Number:
MW-7**

**Well Installation Date:
February 16, 2007**



**Project Name:
L. W. Packard and Company, Inc.
Hill Street
Ashland, New Hampshire
February 2007
NHDES No. 200009045
UST Site No. 0112818**

Ground Surface - Asphalt Pavement

8 " O. D. Flush Mounted Cast Iron Manhole
Attached to 10" Cast Iron Sleeve With 1 Bolt

8 Inches

Top of Concrete

Bottom of Concrete

Top of Filter Sand

2" PVC Riser Pipe

Bottom of Filter Sand

4 Feet

Top of Bentonite Chips

Bottom of Bentonite Chips

5 Feet

Top of Filter Sand

20 Feet

Top of Slotted Screen

2 " Slotted PVC Well Screen

30 Feet

Bottom of 2" Slotted Well Screen

Bottom of Boring and Filter Sand

Not to scale

Appendix E

Health and Safety Plan

HEALTH AND SAFETY PLAN

L. W. Packard and Company, Inc.
No. 6 Fuel Oil Underground Storage Tanks
Mechanic Street
Ashland, New Hampshire
NHDES No. 200009045

1.0 INTRODUCTION

This site-specific Health and Safety Plan is submitted in conjunction with the Groundwater Management Zone Delineation Report at the above-referenced property. This Plan addresses health and safety issues related to the installation of groundwater monitoring wells and the collection of soil, rock core, and groundwater samples at the site.

Project Manager:	Jim Zeppieri, ARC
Health and Safety Manager:	Jim Zeppieri, ARC
Contractor(s):	New Hampshire Boring, Inc. 3 Liberty Drive Londonderry, New Hampshire 03053

2.0 SITE HAZARDS

All subsurface utilities shall be identified and clearly marked by Dig Safe or local utility companies prior to any subsurface exploration (e.g., test pits, excavations, boreholes, etc.) at the site. Drill rig masts shall remain at least 15 feet away from overhead utility lines.

Site hazards which could conceivably be expected at the subject site include the following: soils impacted by hazardous waste and petroleum products and possible buried solid wastes.

Wastes Likely To Be Encountered: Solid wastes are expected to be encountered, hazardous wastes may be encountered.

Waste Types: Solids, liquids and sludges.

Waste Characteristics: Toxic hazardous wastes containing volatile organic compounds, EPA "U" listed wastes; or EPA "D" listed wastes exhibiting the toxicity characteristic.

3.0 PROTECTIVE CLOTHING & EQUIPMENT

Level of Protection Required: D

Drill rig operators and other persons working at or near the drill rig or other heavy equipment shall wear suitable work clothes, hard hats, steel toe boots, work gloves, and other personal protective clothing as required by OSHA. Drill rig operators shall have obtained OSHA 40-hour certification.

If grossly contaminated materials are encountered, the Level of Protection shall be upgraded to Level C. People working in or near grossly contaminated soils, surface water, or groundwater, or who handle hazardous or corrosive substances shall wear impervious protective clothing (e.g., Tyvek suit, gloves). Respirator masks shall be worn by persons working in confined spaces when harmful vapors or gasses may be present, and by persons handling volatile hazardous substances.

4.0 ENVIRONMENTAL & PERSONAL MONITORING

Analysis of groundwater samples for regulated contaminants will be performed as part of the Groundwater Management Zone Delineation Report. All chemical analyses shall be performed by a State-certified laboratory. On site screening of soils and ambient air will be performed with a portable photoionization detector.

Personal monitoring is not expected to be required for the field work associated with the Groundwater Management Zone delineation.

5.0 DISPOSAL OF INVESTIGATION DERIVED MATERIALS

Contaminated soils, groundwater, or other materials encountered during soil borings, test pits, or other excavation activity shall, depending on the quantity and nature of the material, be placed in D.O.T.-approved 55-gallon drums or stockpiled on site on an impermeable substrate (e.g., polyethylene sheeting). Drums shall be sealed and labeled as containing a hazardous waste. Stockpiled materials shall be covered with an impermeable sheet to minimize the risk of hazardous substances entering the environment via the leaching action of precipitation, etc.

The contents of all drums and/or representative samples of

stockpiled materials shall be analyzed by a State-certified laboratory to determine the concentrations of regulated contaminants and their ignitability. The wastes shall be treated on-site or transported off-site by a licensed hazardous waste hauler to a facility authorized to accept such wastes.

6.0 EMERGENCY PLAN

The Ashland, New Hampshire Police and Fire Departments provide emergency services for the Town of Ashland, including the subject site.

Emergency Telephone Numbers:

9-1-1, Ashland, New Hampshire Police Department;

9-1-1, Ashland, New Hampshire Fire Department. Plymouth Ambulance Service provides ambulance service for the Town of Ashland and the Ashland Fire Department can be contacted for ambulance service by dialing 9-1-1.

The nearest Trauma Center/Hospital is:

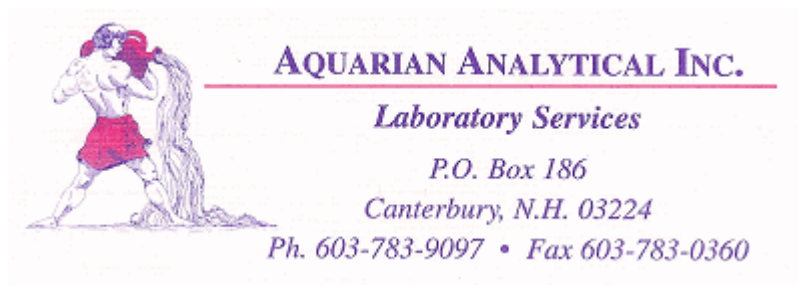
Speare Memorial Hospital
18 Hospital Road
Plymouth, New Hampshire 03264
603-536-1120

Directions to the hospital: From 93 take exit 25 in Plymouth. Go right at the stop sign and head towards downtown Plymouth. Immediately you will see Plymouth State College Field House to the right. Travel over bridge and at the stop sign take a left. You will enter the town common area. Bear right after the Post Office and proceed up the hill - Highland Street. The Lamson Library will be on your left. Continue until you see Hospital Road on your left (3rd left on Highland St.) Speare Memorial Hospital is on the right.

The L. W. Packard UST site is located along Mechanic Street, just northeast of the intersection of Mechanic Street and Hill Street. Mechanic Street runs south off of South Main Street (NH Route 132). Phones are available at the site. One or more cellular telephones will be present at the site for use in an emergency. The estimated response time for emergency services is 5 minutes or less.

Appendix F

Laboratory Data Sheets



02 May 2007

Mr. Jim Zeppieri
ARC Environmental Consultants
656 Main Street
Contoocook, NH 03229
RE: L.W. Packard

Dear Mr. Zeppieri:

Enclosed are the results of analyses for the following samples.

Laboratory ID	Sample ID	Sample matrix	Date sampled	Date received
0704089-01	MW-5	Water	13-Apr-07 13:30	13-Apr-07 15:15
0704089-02	MW-6	Water	13-Apr-07 14:00	13-Apr-07 15:15

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Thomas Sideris For William M. Rice
Laboratory Director



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

ARC Environmental Consultants
656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
02-May-07 13:48

MW-5 0704089-01 (Water)

Volatile Organic Compounds by EPA 8260B

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Notes
Dichlorodifluoromethane	75-71-8	BD	5	ug/L	27-Apr-07	
Chloromethane	74-87-3	BD	6	ug/L	27-Apr-07	
Vinyl chloride	75-01-4	BD	2	ug/L	27-Apr-07	
Bromomethane	74-83-9	BD	2	ug/L	27-Apr-07	
Chloroethane	75-00-3	BD	2	ug/L	27-Apr-07	
Trichlorofluoromethane	75-69-4	BD	4	ug/L	27-Apr-07	
Acetone	67-64-1	BD	100	ug/L	27-Apr-07	
Diethyl Ether	60-29-7	BD	30	ug/L	27-Apr-07	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	BD	2	ug/L	27-Apr-07	
1,1-Dichloroethylene	75-35-4	BD	2	ug/L	27-Apr-07	
Carbon disulfide	75-15-0	BD	7	ug/L	27-Apr-07	
Methylene Chloride	75-09-2	BD	4	ug/L	27-Apr-07	
trans-1,2-Dichloroethylene	156-60-5	BD	2	ug/L	27-Apr-07	
Methyl-tert-Butyl Ether	1634-04-4	BD	2	ug/L	27-Apr-07	
1,1-Dichloroethane	75-34-3	BD	2	ug/L	27-Apr-07	
2,2-Dichloropropane	590-20-7	BD	2	ug/L	27-Apr-07	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	BD	50	ug/L	27-Apr-07	
cis-1,2-Dichloroethene	156-59-2	BD	2	ug/L	27-Apr-07	
Chloroform	67-66-3	BD	2	ug/L	27-Apr-07	
Bromochloromethane	74-97-5	BD	2	ug/L	27-Apr-07	
Tetrahydrofuran	109-99-9	BD	30	ug/L	27-Apr-07	
1,1,1-Trichloroethane	71-55-6	BD	2	ug/L	27-Apr-07	
1,1-Dichloropropene	563-58-6	BD	2	ug/L	27-Apr-07	
Carbon Tetrachloride	56-23-5	BD	2	ug/L	27-Apr-07	
1,2-Dichloroethane	107-06-2	BD	2	ug/L	27-Apr-07	
Benzene	71-43-2	BD	2	ug/L	27-Apr-07	
Trichloroethylene	79-01-6	BD	2	ug/L	27-Apr-07	
1,2-Dichloropropane	78-87-5	BD	4	ug/L	27-Apr-07	
Dibromomethane	74-95-3	BD	2	ug/L	27-Apr-07	
Bromodichloromethane	75-27-4	BD	2	ug/L	27-Apr-07	
cis-1,3-Dichloropropene	10061-01-5	BD	2	ug/L	27-Apr-07	
Methyl Isobutyl Ketone	108-10-1	BD	50	ug/L	27-Apr-07	
Toluene	108-88-3	BD	2	ug/L	27-Apr-07	
trans-1,3-Dichloropropene	10061-02-6	BD	2	ug/L	27-Apr-07	
1,1,2-Trichloroethane	79-00-5	BD	2	ug/L	27-Apr-07	
1,3-Dichloropropane	142-28-9	BD	2	ug/L	27-Apr-07	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	BD	50	ug/L	27-Apr-07	
Dibromochloromethane	124-48-1	BD	2	ug/L	27-Apr-07	
Tetrachloroethylene	127-18-4	BD	2	ug/L	27-Apr-07	



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

ARC Environmental Consultants
656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
02-May-07 13:48

MW-5 0704089-01 (Water)

Volatile Organic Compounds by EPA 8260B

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Notes
1,2-Dibromoethane	106-93-4	BD	2	ug/L	27-Apr-07	
Chlorobenzene	108-90-7	BD	2	ug/L	27-Apr-07	
1,1,1,2-Tetrachloroethane	630-20-6	BD	2	ug/L	27-Apr-07	
Ethylbenzene	100-41-4	BD	2	ug/L	27-Apr-07	
m,p-Xylenes	108-38-3,106-42-3	BD	2	ug/L	27-Apr-07	
Styrene	100-42-5	BD	2	ug/L	27-Apr-07	
o-Xylene	95-47-6	BD	2	ug/L	27-Apr-07	
Dichlorofluoromethane	75-45-6	BD	4	ug/L	27-Apr-07	
Bromoform	75-25-2	BD	2	ug/L	27-Apr-07	
1,1,2,2-Tetrachloroethane	79-34-5	BD	2	ug/L	27-Apr-07	
Isopropylbenzene	98-82-8	BD	2	ug/L	27-Apr-07	
1,2,3-Trichloropropane	96-18-4	BD	2	ug/L	27-Apr-07	
Bromobenzene	108-86-1	BD	2	ug/L	27-Apr-07	
n-Propylbenzene	103-65-1	BD	2	ug/L	27-Apr-07	
2-Chlorotoluene	95-49-8	BD	2	ug/L	27-Apr-07	
4-Chlorotoluene	106-43-4	BD	2	ug/L	27-Apr-07	
1,3,5-Trimethylbenzene	108-67-8	BD	2	ug/L	27-Apr-07	
tert-Butylbenzene	98-06-6	BD	2	ug/L	27-Apr-07	
1,2,4-Trimethylbenzene	95-63-6	BD	2	ug/L	27-Apr-07	
sec-Butylbenzene	135-98-8	BD	2	ug/L	27-Apr-07	
4-Isopropyltoluene	99-87-6	BD	2	ug/L	27-Apr-07	
1,3-Dichlorobenzene	541-73-1	BD	2	ug/L	27-Apr-07	
1,4-Dichlorobenzene	106-46-7	BD	2	ug/L	27-Apr-07	
n-Butylbenzene	104-51-8	BD	2	ug/L	27-Apr-07	
1,2-Dichlorobenzene	95-50-1	BD	2	ug/L	27-Apr-07	
1,2-Dibromo-3-chloropropane	96-12-8	BD	4	ug/L	27-Apr-07	
1,2,4-Trichlorobenzene	120-82-1	BD	4	ug/L	27-Apr-07	
Naphthalene	91-20-3	17	4	ug/L	27-Apr-07	
Hexachlorobutadiene	87-68-3	BD	4	ug/L	27-Apr-07	
1,2,3-Trichlorobenzene	87-61-6	BD	4	ug/L	27-Apr-07	
tert-Butyl alcohol	75-65-0	BD	20	ug/L	27-Apr-07	
Diisopropyl Ether	108-20-3	BD	4	ug/L	27-Apr-07	
Ethyl tert-Butyl Ether	637-92-3	BD	4	ug/L	27-Apr-07	
Tert-Amyl Methyl Ether	994-05-8	BD	4	ug/L	27-Apr-07	



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ARC Environmental Consultants
656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
02-May-07 13:48

MW-5 0704089-01 (Water)

Polycyclic Aromatic Hydrocarbons

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Method	Notes
Naphthalene	91-20-3	16	0.50	ug/L	17-Apr-07	EPA 8270C	
2-Methylnaphthalene	91-57-6	26	0.50	ug/L	17-Apr-07	EPA 8270C	
1-Methylnaphthalene	90-12-0	19	0.50	ug/L	17-Apr-07	EPA 8270C	
Acenaphthylene	208-96-8	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Acenaphthene	83-32-9	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Fluorene	86-73-7	1.5	0.50	ug/L	17-Apr-07	EPA 8270C	
Phenanthrene	85-01-8	2.4	0.50	ug/L	17-Apr-07	EPA 8270C	
Anthracene	120-12-7	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Fluoranthene	206-44-0	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Pyrene	129-00-0	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (a) anthracene	56-55-3	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Chrysene	218-01-9	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (b) fluoranthene	205-99-2	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (k) fluoranthene	207-08-9	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (a) pyrene	50-32-8	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Indeno(1,2,3-cd)pyrene	193-39-5	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Dibenz (a,h) anthracene	53-70-3	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (g,h,i) perylene	191-24-2	BD	0.50	ug/L	17-Apr-07	EPA 8270C	



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656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
02-May-07 13:48

MW-6 0704089-02 (Water)

Volatile Organic Compounds by EPA 8260B

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Notes
Dichlorodifluoromethane	75-71-8	BD	5	ug/L	27-Apr-07	
Chloromethane	74-87-3	BD	6	ug/L	27-Apr-07	
Vinyl chloride	75-01-4	BD	2	ug/L	27-Apr-07	
Bromomethane	74-83-9	BD	2	ug/L	27-Apr-07	
Chloroethane	75-00-3	BD	2	ug/L	27-Apr-07	
Trichlorofluoromethane	75-69-4	BD	4	ug/L	27-Apr-07	
Acetone	67-64-1	BD	100	ug/L	27-Apr-07	
Diethyl Ether	60-29-7	BD	30	ug/L	27-Apr-07	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	BD	2	ug/L	27-Apr-07	
1,1-Dichloroethylene	75-35-4	BD	2	ug/L	27-Apr-07	
Carbon disulfide	75-15-0	BD	7	ug/L	27-Apr-07	
Methylene Chloride	75-09-2	BD	4	ug/L	27-Apr-07	
trans-1,2-Dichloroethylene	156-60-5	BD	2	ug/L	27-Apr-07	
Methyl-tert-Butyl Ether	1634-04-4	BD	2	ug/L	27-Apr-07	
1,1-Dichloroethane	75-34-3	BD	2	ug/L	27-Apr-07	
2,2-Dichloropropane	590-20-7	BD	2	ug/L	27-Apr-07	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	BD	50	ug/L	27-Apr-07	
cis-1,2-Dichloroethene	156-59-2	BD	2	ug/L	27-Apr-07	
Chloroform	67-66-3	BD	2	ug/L	27-Apr-07	
Bromochloromethane	74-97-5	BD	2	ug/L	27-Apr-07	
Tetrahydrofuran	109-99-9	BD	30	ug/L	27-Apr-07	
1,1,1-Trichloroethane	71-55-6	BD	2	ug/L	27-Apr-07	
1,1-Dichloropropene	563-58-6	BD	2	ug/L	27-Apr-07	
Carbon Tetrachloride	56-23-5	BD	2	ug/L	27-Apr-07	
1,2-Dichloroethane	107-06-2	BD	2	ug/L	27-Apr-07	
Benzene	71-43-2	BD	2	ug/L	27-Apr-07	
Trichloroethylene	79-01-6	BD	2	ug/L	27-Apr-07	
1,2-Dichloropropane	78-87-5	BD	4	ug/L	27-Apr-07	
Dibromomethane	74-95-3	BD	2	ug/L	27-Apr-07	
Bromodichloromethane	75-27-4	BD	2	ug/L	27-Apr-07	
cis-1,3-Dichloropropene	10061-01-5	BD	2	ug/L	27-Apr-07	
Methyl Isobutyl Ketone	108-10-1	BD	50	ug/L	27-Apr-07	
Toluene	108-88-3	BD	2	ug/L	27-Apr-07	
trans-1,3-Dichloropropene	10061-02-6	BD	2	ug/L	27-Apr-07	
1,1,2-Trichloroethane	79-00-5	BD	2	ug/L	27-Apr-07	
1,3-Dichloropropane	142-28-9	BD	2	ug/L	27-Apr-07	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	BD	50	ug/L	27-Apr-07	
Dibromochloromethane	124-48-1	BD	2	ug/L	27-Apr-07	
Tetrachloroethylene	127-18-4	BD	2	ug/L	27-Apr-07	
1,2-Dibromoethane	106-93-4	BD	2	ug/L	27-Apr-07	



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ARC Environmental Consultants
656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
02-May-07 13:48

MW-6 0704089-02 (Water)

Volatile Organic Compounds by EPA 8260B

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Notes
Chlorobenzene	108-90-7	BD	2	ug/L	27-Apr-07	
1,1,1,2-Tetrachloroethane	630-20-6	BD	2	ug/L	27-Apr-07	
Ethylbenzene	100-41-4	BD	2	ug/L	27-Apr-07	
m,p-Xylenes	108-38-3,106-42-3	BD	2	ug/L	27-Apr-07	
Styrene	100-42-5	BD	2	ug/L	27-Apr-07	
o-Xylene	95-47-6	BD	2	ug/L	27-Apr-07	
Dichlorofluoromethane	75-45-6	BD	4	ug/L	27-Apr-07	
Bromoform	75-25-2	BD	2	ug/L	27-Apr-07	
1,1,2,2-Tetrachloroethane	79-34-5	BD	2	ug/L	27-Apr-07	
Isopropylbenzene	98-82-8	BD	2	ug/L	27-Apr-07	
1,2,3-Trichloropropane	96-18-4	BD	2	ug/L	27-Apr-07	
Bromobenzene	108-86-1	BD	2	ug/L	27-Apr-07	
n-Propylbenzene	103-65-1	BD	2	ug/L	27-Apr-07	
2-Chlorotoluene	95-49-8	BD	2	ug/L	27-Apr-07	
4-Chlorotoluene	106-43-4	BD	2	ug/L	27-Apr-07	
1,3,5-Trimethylbenzene	108-67-8	BD	2	ug/L	27-Apr-07	
tert-Butylbenzene	98-06-6	BD	2	ug/L	27-Apr-07	
1,2,4-Trimethylbenzene	95-63-6	BD	2	ug/L	27-Apr-07	
sec-Butylbenzene	135-98-8	BD	2	ug/L	27-Apr-07	
4-Isopropyltoluene	99-87-6	BD	2	ug/L	27-Apr-07	
1,3-Dichlorobenzene	541-73-1	BD	2	ug/L	27-Apr-07	
1,4-Dichlorobenzene	106-46-7	BD	2	ug/L	27-Apr-07	
n-Butylbenzene	104-51-8	BD	2	ug/L	27-Apr-07	
1,2-Dichlorobenzene	95-50-1	BD	2	ug/L	27-Apr-07	
1,2-Dibromo-3-chloropropane	96-12-8	BD	4	ug/L	27-Apr-07	
1,2,4-Trichlorobenzene	120-82-1	BD	4	ug/L	27-Apr-07	
Naphthalene	91-20-3	BD	4	ug/L	27-Apr-07	
Hexachlorobutadiene	87-68-3	BD	4	ug/L	27-Apr-07	
1,2,3-Trichlorobenzene	87-61-6	BD	4	ug/L	27-Apr-07	
tert-Butyl alcohol	75-65-0	BD	20	ug/L	27-Apr-07	
Diisopropyl Ether	108-20-3	BD	4	ug/L	27-Apr-07	
Ethyl tert-Butyl Ether	637-92-3	BD	4	ug/L	27-Apr-07	
Tert-Amyl Methyl Ether	994-05-8	BD	4	ug/L	27-Apr-07	



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

ARC Environmental Consultants
656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
02-May-07 13:48

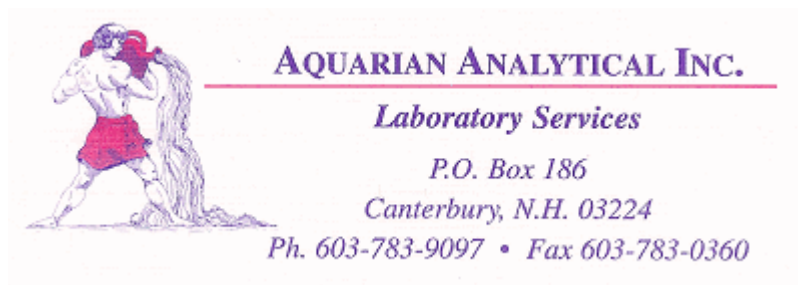
MW-6 0704089-02 (Water)

Polycyclic Aromatic Hydrocarbons

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Method	Notes
Naphthalene	91-20-3	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
2-Methylnaphthalene	91-57-6	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
1-Methylnaphthalene	90-12-0	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Acenaphthylene	208-96-8	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Acenaphthene	83-32-9	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Fluorene	86-73-7	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Phenanthrene	85-01-8	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Anthracene	120-12-7	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Fluoranthene	206-44-0	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Pyrene	129-00-0	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (a) anthracene	56-55-3	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Chrysene	218-01-9	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (b) fluoranthene	205-99-2	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (k) fluoranthene	207-08-9	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (a) pyrene	50-32-8	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Indeno(1,2,3-cd)pyrene	193-39-5	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Dibenz (a,h) anthracene	53-70-3	BD	0.50	ug/L	17-Apr-07	EPA 8270C	
Benzo (g,h,i) perylene	191-24-2	BD	0.50	ug/L	17-Apr-07	EPA 8270C	

Notes and Definitions

BD	Analyte result below the laboratory reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis



23 May 2007

Mr. Jim Zeppieri
ARC Environmental Consultants
656 Main Street
Contoocook, NH 03229
RE: L.W. Packard

Dear Mr. Zeppieri:

Enclosed are the results of analyses for the following samples.

Laboratory ID	Sample ID	Sample matrix	Date sampled	Date received
0705018-01	MW-7	Water	30-Apr-07 00:00	01-May-07 14:15

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas Sideris".

Thomas Sideris For William M. Rice
Laboratory Director



AQUARIAN ANALYTICAL INC.

Laboratory Services

P.O. Box 186

Canterbury, N.H. 03224

Ph. 603-783-9097 • Fax 603-783-0360

ARC Environmental Consultants
656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
23-May-07 09:29

MW-7 0705018-01 (Water)

Volatile Organic Compounds by EPA 8260B

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Notes
Dichlorodifluoromethane	75-71-8	BD	5	ug/L	12-May-07	
Chloromethane	74-87-3	BD	5	ug/L	12-May-07	
Vinyl chloride	75-01-4	BD	2	ug/L	12-May-07	
Bromomethane	74-83-9	BD	2	ug/L	12-May-07	
Chloroethane	75-00-3	BD	2	ug/L	12-May-07	
Trichlorofluoromethane	75-69-4	BD	4	ug/L	12-May-07	
Acetone	67-64-1	BD	100	ug/L	12-May-07	
Diethyl Ether	60-29-7	BD	30	ug/L	12-May-07	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	BD	4	ug/L	12-May-07	
1,1-Dichloroethylene	75-35-4	BD	2	ug/L	12-May-07	
Carbon disulfide	75-15-0	BD	7	ug/L	12-May-07	
Methylene Chloride	75-09-2	BD	4	ug/L	12-May-07	
trans-1,2-Dichloroethylene	156-60-5	BD	2	ug/L	12-May-07	
Methyl-tert-Butyl Ether	1634-04-4	BD	2	ug/L	12-May-07	
1,1-Dichloroethane	75-34-3	BD	2	ug/L	12-May-07	
2,2-Dichloropropane	590-20-7	BD	2	ug/L	12-May-07	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	BD	50	ug/L	12-May-07	
cis-1,2-Dichloroethene	156-59-2	BD	2	ug/L	12-May-07	
Chloroform	67-66-3	BD	2	ug/L	12-May-07	
Bromochloromethane	74-97-5	BD	2	ug/L	12-May-07	
Tetrahydrofuran	109-99-9	BD	30	ug/L	12-May-07	
1,1,1-Trichloroethane	71-55-6	BD	2	ug/L	12-May-07	
1,1-Dichloropropene	563-58-6	BD	2	ug/L	12-May-07	
Carbon Tetrachloride	56-23-5	BD	2	ug/L	12-May-07	
1,2-Dichloroethane	107-06-2	BD	2	ug/L	12-May-07	
Benzene	71-43-2	BD	2	ug/L	12-May-07	
Trichloroethylene	79-01-6	BD	2	ug/L	12-May-07	
1,2-Dichloropropane	78-87-5	BD	4	ug/L	12-May-07	
Dibromomethane	74-95-3	BD	2	ug/L	12-May-07	
Bromodichloromethane	75-27-4	BD	2	ug/L	12-May-07	
cis-1,3-Dichloropropene	10061-01-5	BD	2	ug/L	12-May-07	
Methyl Isobutyl Ketone	108-10-1	BD	50	ug/L	12-May-07	
Toluene	108-88-3	BD	2	ug/L	12-May-07	
trans-1,3-Dichloropropene	10061-02-6	BD	2	ug/L	12-May-07	
1,1,2-Trichloroethane	79-00-5	BD	2	ug/L	12-May-07	
1,3-Dichloropropane	142-28-9	BD	2	ug/L	12-May-07	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	BD	50	ug/L	12-May-07	
Dibromochloromethane	124-48-1	BD	2	ug/L	12-May-07	
Tetrachloroethylene	127-18-4	BD	2	ug/L	12-May-07	



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ARC Environmental Consultants
656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
23-May-07 09:29

MW-7 0705018-01 (Water)

Volatile Organic Compounds by EPA 8260B

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Notes
1,2-Dibromoethane	106-93-4	BD	2	ug/L	12-May-07	
Chlorobenzene	108-90-7	BD	2	ug/L	12-May-07	
1,1,1,2-Tetrachloroethane	630-20-6	BD	2	ug/L	12-May-07	
Ethylbenzene	100-41-4	BD	2	ug/L	12-May-07	
m,p-Xylenes	108-38-3,106-42-3	BD	2	ug/L	12-May-07	
Styrene	100-42-5	BD	2	ug/L	12-May-07	
o-Xylene	95-47-6	BD	2	ug/L	12-May-07	
Bromoform	75-25-2	BD	2	ug/L	12-May-07	
Dichlorofluoromethane	75-45-6	BD	4	ug/L	12-May-07	
1,1,2,2-Tetrachloroethane	79-34-5	BD	2	ug/L	12-May-07	
Isopropylbenzene	98-82-8	BD	2	ug/L	12-May-07	
1,2,3-Trichloropropane	96-18-4	BD	2	ug/L	12-May-07	
Bromobenzene	108-86-1	BD	2	ug/L	12-May-07	
n-Propylbenzene	103-65-1	BD	2	ug/L	12-May-07	
2-Chlorotoluene	95-49-8	BD	2	ug/L	12-May-07	
4-Chlorotoluene	106-43-4	BD	2	ug/L	12-May-07	
1,3,5-Trimethylbenzene	108-67-8	BD	2	ug/L	12-May-07	
tert-Butylbenzene	98-06-6	BD	2	ug/L	12-May-07	
1,2,4-Trimethylbenzene	95-63-6	BD	2	ug/L	12-May-07	
sec-Butylbenzene	135-98-8	BD	2	ug/L	12-May-07	
4-Isopropyltoluene	99-87-6	BD	2	ug/L	12-May-07	
1,3-Dichlorobenzene	541-73-1	BD	2	ug/L	12-May-07	
1,4-Dichlorobenzene	106-46-7	BD	2	ug/L	12-May-07	
n-Butylbenzene	104-51-8	BD	2	ug/L	12-May-07	
1,2-Dichlorobenzene	95-50-1	BD	2	ug/L	12-May-07	
1,2-Dibromo-3-chloropropane	96-12-8	BD	4	ug/L	12-May-07	
1,2,4-Trichlorobenzene	120-82-1	BD	4	ug/L	12-May-07	
Naphthalene	91-20-3	BD	4	ug/L	12-May-07	
Hexachlorobutadiene	87-68-3	BD	4	ug/L	12-May-07	
1,2,3-Trichlorobenzene	87-61-6	BD	4	ug/L	12-May-07	
tert-Butyl alcohol	75-65-0	BD	20	ug/L	12-May-07	
Diisopropyl Ether	108-20-3	BD	4	ug/L	12-May-07	
Ethyl tert-Butyl Ether	637-92-3	BD	4	ug/L	12-May-07	
Tert-Amyl Methyl Ether	994-05-8	BD	4	ug/L	12-May-07	



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ARC Environmental Consultants
656 Main Street
Contoocook NH, 03229

Project: L.W. Packard
Project Number: [none]
Project Manager: Mr. Jim Zeppieri

Reported:
23-May-07 09:29

MW-7

0705018-01 (Water)

Polycyclic Aromatic Hydrocarbons

Analyte	CAS Number	Result	Reporting Limit	Units	Analyzed	Method	Notes
Naphthalene	91-20-3	BD	0.50	ug/L	02-May-07	EPA 8270C	
2-Methylnaphthalene	91-57-6	BD	0.50	ug/L	02-May-07	EPA 8270C	
1-Methylnaphthalene	90-12-0	BD	0.50	ug/L	02-May-07	EPA 8270C	
Acenaphthylene	208-96-8	BD	0.50	ug/L	02-May-07	EPA 8270C	
Acenaphthene	83-32-9	BD	0.50	ug/L	02-May-07	EPA 8270C	
Fluorene	86-73-7	BD	0.50	ug/L	02-May-07	EPA 8270C	
Phenanthrene	85-01-8	BD	0.50	ug/L	02-May-07	EPA 8270C	
Anthracene	120-12-7	BD	0.50	ug/L	02-May-07	EPA 8270C	
Fluoranthene	206-44-0	BD	0.50	ug/L	02-May-07	EPA 8270C	
Pyrene	129-00-0	BD	0.50	ug/L	02-May-07	EPA 8270C	
Benzo (a) anthracene	56-55-3	BD	0.50	ug/L	02-May-07	EPA 8270C	
Chrysene	218-01-9	BD	0.50	ug/L	02-May-07	EPA 8270C	
Benzo (b) fluoranthene	205-99-2	BD	0.50	ug/L	02-May-07	EPA 8270C	
Benzo (k) fluoranthene	207-08-9	BD	0.50	ug/L	02-May-07	EPA 8270C	
Benzo (a) pyrene	50-32-8	BD	0.50	ug/L	02-May-07	EPA 8270C	
Indeno(1,2,3-cd)pyrene	193-39-5	BD	0.50	ug/L	02-May-07	EPA 8270C	
Dibenz (a,h) anthracene	53-70-3	BD	0.50	ug/L	02-May-07	EPA 8270C	
Benzo (g,h,i) perylene	191-24-2	BD	0.50	ug/L	02-May-07	EPA 8270C	

Notes and Definitions

BD	Analyte result below the laboratory reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

Thomas S. Burack, Commissioner



August 14, 2007

John Glidden
President
L.W. Packard and Company, Inc.
PO Box 515
Ashland, New Hampshire 03217

Subject Site: **Ashland** – L.W. Packard and Company, Inc., 6 Mill Street
DES Site # 200009045, Project # 14549, Project Type LUST

Groundwater Management Zone Delineation Report, prepared by
ARC Environmental Consultants, Inc., dated July 16, 2007

Dear Mr. Glidden:

The New Hampshire Department of Environmental Services (DES) has completed its review of the above referenced report and other information in our files regarding the March 4, 2004 discharge of #6 fuel oil at the referenced site. The DES approves the submittal as meeting the requirements of a Groundwater Management Zone Delineation Report.

Groundwater Management Permit Application

DES has determined the additional monitoring wells installed during the Groundwater Management Zone Delineation were adequate to define the proposed Groundwater Management Zone. ARC Environmental Consultants, Inc. recommended the Groundwater Management Zone should include Tax Map 17, Lot 7-7. DES Concurs with this recommendation and requires the following:

1. A Groundwater Management Permit application that meets the requirements of Env-Wm 1403.13 shall be submitted to DES for the above mentioned site within sixty days receipt of the letter.

Reimbursement and Facility Compliance

To facilitate completion of the item above, and for any future reimbursement of the associated costs, please use the DES' Project-Based and Unit-Based Costs and Work Scope for a Groundwater Management Permit Application as contained in the DES' Guidance Manual-Policies, Rules & Procedures for Reimbursement.

A review of our files shows that L.W. Packard and Company, Inc. is eligible to receive reimbursement from the New Hampshire Petroleum Reimbursement Funds (Fund), for the costs to implement DES required investigation and remedial work related to the March 4, 2004 #6 fuel oil discharge LUST.

Questions regarding Fund eligibility should be directed the Fund Manager, Ms. Joyce Bledsoe, at (603) 271-8740. Questions regarding facility compliance should be directed to Mr. Tom Beaulieu at (603) 271-2986.

Electronic Submittals

The Waste Management Division strongly encourages the electronic submittal of reports and data via the DES' One Stop upload process, although e-mail attachments and CDs sent to the file library are still permissible. Submittal of documents in an electronic format is voluntary but the electronic submittal must meet certain guidelines to be accepted by the DES. Complete guidelines are available at: http://des.nh.gov/orcb/doclist/Electronic_Submittal_Guidelines.pdf.

If you should have any questions, please contact me immediately.

Sincerely,



William R. Evans
Oil Remediation and Compliance Bureau
Tel: (603) 271-2873
Fax: (603) 271-0653
Email: bevans@des.state.nh.us

cc: Gary Lynn, P.E., Supervisor, ORCB (via email)
Ashland Health Officer
James Zeppieri, PG, ARC Environmental Consultants, Inc.

INSPECTOR/AGENCY

George M. Tocci

LICENSE# RA006

PO Box 635
Moultonboro, NH 03254-0635
603-253-3063

pg. 1 of 3

METHOD USED

☐ NA,S

Expiration date

X-RAY

☒ FLUORESCENCE

Model Serial # 138

LEAD STAR

Address										APT#		CITY									
61111441ST												ASHLAND NH									
Last Name of Child										First Name		DOB		SEX							
												MM/YY									
Parent/Guardian										Parent/Guardian's First Name											

BUILT LATE 1800'S +

☐ 1. DWELL	☐ OWNER	☐ OWNERS
☐ 2. DAY CARE	☐ OCC	☐ UNITS
☐ 3. SCHOOL	☐ YORN	☐ YORN
☐ 3. OTHER		
☐ 1. SINGLE	☐ NO. OF ROOMS	
☐ 2. 2-4 APTS	☐ INCLUDE BATHROOMS	
☐ 3. 5 OR MORE	☐ BUT NOT HALLS	

OWNER'S NAME: ANDREW LANE

OWNER'S ADDRESS: 4 BIRCH ST. SUITE 205, DERRY, NH 03038

TEL #: 401-2677-434-2722

REMARKS:

L.W. PACKARD MILL 'LEAD DETERMINATION'
TESTED OLDER ORIGINAL BUILDING ON FIVE FLOORS.

☐ 1. VICTIM	☐ 4. REPAIRS	☐ 7. OTHER
☐ 2. PAR. REQ.	☐ 5. VACANCY	
☐ 3. HIGH INC.	☐ 6. INSTITUTION	

INSR. DATE
09/12/06☒ VIOLATION
YORN

FLOOR #

FLOOR #

C									
B									
D									
A (STREET SIDE)									

SEE INTERIOR ROOM SHEETS

C									
B									
D									
A (STREET SIDE)									

- ☐ Pb MORE THAN 0.9 mg/cm² with x-ray fluorescence or positive with Na₂S is HAZARDOUS in (NH)
☐ Pb MORE THAN 0.9 mg/cm² with x-ray fluorescence is HAZARDOUS (HUD)

INSPECTOR

REINSP. DATE	☐ 1. IN COMPLIANCE	REINSP. DATE	☐ 1. IN COMPLIANCE	REINSP. DATE	☐ 1. IN COMPLIANCE
	☐ 2. WORK IN PROGRESS		☐ 2. WORK IN PROGRESS		☐ 2. WORK IN PROGRESS
	☐ 3. NO WORK		☐ 3. NO WORK		☐ 3. NO WORK

KEY:	I	intact	N	non intact (paint)	D	defective (substrate)
	CAP	capped	COV	covered	DIP	clipped
	ENC	encapsulated	MI	made intact	NA	not accessible
	NEG	negative	PCS	positive	PRE	prepared
	REM	removed	REP	replacement	REV	reversed
	SCR	scrapped to bare substrate				

COMPLIANCE DATE

INSPECTOR

APPENDIX E
FirstSearch[®] REPORT



FirstSearch Technology Corporation

Environmental FirstSearch™ Report

Target Property: ASHLAND PACKARD

ASHLAND NH 03217

Job Number: 10001086

PREPARED FOR:

Credere Associates, LLC

776 Main Street

Westbrook, ME 04092

12-20-10



Tel: (781) 551-0470

Fax: (781) 551-0471

Environmental FirstSearch Search Summary Report

Target Site:

ASHLAND NH 03217

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	10-21-10	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	10-21-10	0.50	0	0	0	0	-	0	0
CERCLIS	Y	11-30-10	0.50	0	0	0	0	-	0	0
NFRAP	Y	11-30-10	0.50	0	0	0	0	-	1	1
RCRA COR ACT	Y	11-10-10	1.00	0	0	0	0	0	1	1
RCRA TSD	Y	11-10-10	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	11-10-10	0.25	1	2	3	-	-	12	18
RCRA NLR	Y	11-10-10	0.25	1	2	5	-	-	23	31
Federal Brownfield	Y	10-01-10	0.50	0	0	0	0	-	0	0
ERNS	Y	10-21-10	0.15	1	0	0	-	-	9	10
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	9	9
State/Tribal Sites	Y	09-27-10	1.00	1	0	0	0	2	22	25
State Spills 90	Y	09-27-10	0.25	0	0	3	-	-	16	19
State/Tribal SWL	Y	06-01-07	0.50	0	0	0	1	-	7	8
State/Tribal LUST	Y	09-27-10	0.50	1	1	2	1	-	2	7
State/Tribal UST/AST	Y	09-27-10	0.25	2	1	4	-	-	5	12
State/Tribal EC	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal IC	Y	11-01-10	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	11-01-10	0.50	1	0	0	0	-	0	1
State Other	Y	01-01-07	0.25	0	0	0	-	-	0	0
Federal IC/EC	Y	11-04-10	0.50	0	0	0	0	-	0	0
- TOTALS -				8	6	17	2	2	107	142

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: 12-20-10
Requestor Name: Judd R. newcomb
Standard: AAI

Search Type: COORD
Job Number: 10001086
Filtered Report

Target Site:

ASHLAND NH 03217

Demographics

Sites: 142	Non-Geocoded: 107	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-71.631674	-71:37:54	Easting:	287916.426
Latitude:	43.693861	43:41:38	Northing:	4841021.611
Elevation:	561		Zone:	19

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

Services:

ZIP Code	City Name	ST	Dist/Dir	Sel
03256	NEW HAMPTON	NH	0.45 SE	Y
03264	PLYMOUTH	NH	0.57 SW	Y
03245	Holderness	NH	0	Y
03245	Holderness	NH		Y
03217	ASHLAND	NH		Y
03226	CENTER HARBOR	NH		Y
03223	CAMPTON	NH		Y
03254	MOULTONBOROUGH	NH		Y
03264	PLYMOUTH	NH		Y

	Requested?	Date
Fire Insurance Maps	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch Sites Summary Report

Target Property: ASHLAND NH 03217

JOB: 10001086

TOTAL: 142 **GEOCODED:** 35 **NON GEOCODED:** 107 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	LUST	L W PACKARD and CO INC 200009045/KARNAUKH-S	6 MILL ST ASHLAND NH 03217	0.00 --	0	2
1	BROWNFIELD	L W PACKARD and CO INC 200009045/ACTIVE	6 MILL ST ASHLAND NH 03217	0.00 --	0	4
1	UST	L W PACKARD and CO INC 000945A/AST	6 MILL ST ASHLAND NH 03217	0.00 --	0	5
1	UST	L W PACKARD and CO INC 0112818/UST	6 MILL ST ASHLAND NH 03217	0.00 --	0	7
1	RCRAGN	PACKARD L W and CO INC NHD001086230/LGN	6 MILL ST ASHLAND NH 03217	0.00 --	0	8
1	STATE	L W PACKARD and CO INC 200009045/GW HAZ INV	6 MILL ST ASHLAND NH 03217	0.00 --	0	8
1	ERNS	LW PACKARD AND SONS 159156/FIXED FACILITY	6 MILL ST ASHLAND NH 03217	0.00 --	0	9
1	RCRANLR	L W PACKARD CO INC NHD001086230/NLR	6 MILL ST ASHLAND NH 03217	0.00 --	0	10
2	RCRAGN	ELPAKCO INC NHD510196405/VGN	37 WINTER ST ASHLAND NH 03217	0.10 SW	- 29	11
2	RCRANLR	ELPAKCO INC NHD510196405/NLR	37 WINTER ST ASHLAND NH 03217	0.10 SW	- 29	12
3	LUST	CUMBERLAND FARMS 2807 199712033/CLOSED	2 MAIN ST ASHLAND NH 03217	0.11 NE	- 7	14
3	UST	CUMBERLAND FARMS 2807 0110749/UST	2 MAIN ST ASHLAND NH 03217	0.11 NE	- 7	17
3	RCRANLR	CUMBERLAND FARMS 2807 NHD982745150/NLR	2 MAIN ST ASHLAND NH 03217	0.11 NE	- 7	18
3	RCRAGN	CUMBERLAND FARMS 2807 NHD982745150/SGN	2 MAIN ST ASHLAND NH 03217	0.11 NE	- 7	19
4	RCRANLR	VIDEO SENSE NHD510190721/NLR	79 MAIN ST ASHLAND NH 03217	0.19 NW	- 2	20
4	RCRAGN	VIDEO SENSE NHD510190721/SGN	79 MAIN ST ASHLAND NH 03217	0.19 NW	- 2	22
4	UST	VIDEO SENSE 0115722/UST	79 MAIN ST ASHLAND NH 03217	0.19 NW	- 2	24
4	LUST	VIDEO SENSE 200512012/MARTS	79 MAIN ST ASHLAND NH 03217	0.19 NW	- 2	26
5	SPILLS	DEAD RIVER ROAD 97-136	20 HIGH ST ASHLAND NH 03217	0.20 NE	+ 53	28
6	RCRANLR	WINTER STREET MOTORS NHD500008198/NLR	26 WINTER ST ASHLAND NH 03217	0.22 SW	- 62	30
6	RCRAGN	WINTER STREET MOTORS NHD500008198/VGN	26 WINTER ST ASHLAND NH 03217	0.22 SW	- 62	31

Environmental FirstSearch Sites Summary Report

Target Property: ASHLAND NH 03217

JOB: 10001086

TOTAL: 142 **GEOCODED:** 35 **NON GEOCODED:** 107 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
6	UST	WINTER STREET REALTY TRUST 0115013/UST	26 WINTER ST ASHLAND NH 03217	0.22 SW	- 62	33
7	RCRANLR	ASHLAND ELEMENTARY SCHOOL NHD510188410/NLR	1 EDUCATION DR ASHLAND NH 03217	0.22 NW	+ 36	34
7	UST	ASHLAND ELEMENTARY SCHOOL 0112904/UST	SCHOOL ST ASHLAND NH 03217	0.22 NW	+ 36	35
8	RCRANLR	BUSKEYS AUTO NHD510125719/NLR	89 MAIN ST ASHLAND NH 03217	0.24 NW	- 14	36
8	RCRAGN	BUSKEYS AUTO NHD510125719/USED OIL	89 MAIN ST ASHLAND NH 03217	0.24 NW	- 14	37
8	UST	BUSKEYS AUTO 0110009/UST	89 MAIN ST ASHLAND NH 03217	0.24 NW	- 14	39
8	SPILLS	ASHLAND ECCO 00-13/TRAN	89 MAIN ST ASHLAND NH 03217	0.24 NW	- 14	40
8	LUST	BUSKEYS AUTO 199301002/CLOSED	89 MAIN ST ASHLAND NH 03217	0.24 NW	- 14	42
8	SPILLS	BUSKEYS AUTO 199301002/CLOSED	89 MAIN ST ASHLAND NH 03217	0.24 NW	- 14	44
9	RCRANLR	ASHLAND TOWN OF NHD510154644/NLR	10 HIGHLAND ST ASHLAND NH 03217	0.25 NW	+ 33	45
10	LUST	ASHLAND ELECTRIC DEPT. 199910001/RICHARDS	COLLINS ST ASHLAND NH 03217	0.34 SW	- 40	47
11	SWL	ASHLAND LANDFILL 010-870520	OFF COLLINS ST ASHLAND NH 03217	0.37 SW	N/A	49
12	STATE	NEW HAMPSHIRE LAUNDRY MACHINER 199906042/GW HAZ INV - CLOSED	61 THOMPSON ST ASHLAND NH 03217	0.70 NE	+ 51	49
13	STATE	ASHLAND I-93 EXIT 24 CONTAMINA 199501025/GW HAZ INV - CLOSED	I-93 PLYMOUTH NH 03264	0.91 NW	- 73	50

Environmental FirstSearch

Sites Summary Report

Target Property: ASHLAND NH 03217

JOB: 10001086

TOTAL: 142 **GEOCODED:** 35 **NON GEOCODED:** 107 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	RCRANLR	NH DOT BRIDGE MAINTENANCE CAMP NHD510196835/NLR	STATE ROUTE 49 OVR PEMI/UNI CAMPTON NH 03223	NON GC	N/A	N/A
	RCRANLR	GREEN GROVE CEMETARY NHD510069552/NLR	N MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRANLR	WHITE MOUNTAIN AUTO BROKER INC NHD510152416/NLR	384 N MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRANLR	CURRIER and SONS GARAGE NHD510153919/NLR	262 STATE ROUTE 175 HOLDERNESS NH 03245	NON GC	N/A	N/A
	RCRANLR	HINSDALE TOWN OF NHD510054679/NLR	MAIN ST HINSDALE NH 03245	NON GC	N/A	N/A
	RCRANLR	NH DES NHD510198047/NLR	885 MAIN ST HOLDERNESS NH 03245	NON GC	N/A	N/A
	RCRANLR	FLIGG ALAN RESIDENCE NHD510185523/NLR	22 HIGH ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRANLR	FIOROLLO ROBERT DDS NHD510179690/NLR	42 DANIEL WEBSTER HWY CENTER HARBOR NH 03226	NON GC	N/A	N/A
	RCRANLR	WHITE MOUNTAIN AUTO BROKER INC NHD510152416/NLR	384 N MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRANLR	HUBBARD BROOK RESEARCH FOUNDAT NHD510091101/NLR	25 DOBSON HILL RD CAMPTON NH 03223	NON GC	N/A	N/A
	SPILLS	UNK 94-112	WINTER ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRAGN	TRI COUNTY CAP INC NHD510204134/SGN	41 SCHOOL ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRANLR	FOURNIER RESIDENCE NHD510168537/NLR	4 MAIN ST CENTER HARBOR NH 03226	NON GC	N/A	N/A
	RCRANLR	DIME SAVINGS BANK OF NY NHD510094741/NLR	DEPOT RD CAMPTON NH 03223	NON GC	N/A	N/A
	RCRANLR	DIRT DESIGNS BY J and G NHD510119027/NLR	WINTER BROOK RD CAMPTON NH 03223	NON GC	N/A	N/A
	RCRANLR	FLIGG ALAN RESIDENCE NHD510185523/NLR	22 HIGH ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRANLR	HARBORSIDE TEES INC NHD510095847/NLR	49 OLD DEPOT RD CAMPTON NH 03223	NON GC	N/A	N/A
	RCRANLR	GREEN GROVE CEMETARY NHD510069552/NLR	N MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRAGN	TRI COUNTY CAP INC NHD510204134/SGN	41 SCHOOL ST ASHLAND NH 03217	NON GC	N/A	N/A
	SPILLS	BLUE HORIZON SPILL 200506191/CLOSED	STATE ROUTE 175A HOLDERNESS NH 03245	NON GC	N/A	N/A

Environmental FirstSearch

Sites Summary Report

Target Property: ASHLAND NH 03217

JOB: 10001086

TOTAL: 142 **GEOCODED:** 35 **NON GEOCODED:** 107 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	RCRANLR	INTERLAKES FAMILY DENTAL CENTE NHD500020904/NLR	HARBOR SQ STATE ROUTE 25 MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	SPILLS	BARBARA SEFTON 200708038/CLOSED	315 UNITED STATES HIGHWAY 3 HOLDERNESS NH 03245	NON GC	N/A	N/A
	RCRANLR	WILSONS MOBIL SERVICE INC NHD510124977/NLR	121 MAIN ST CAMPTON NH 03223	NON GC	N/A	N/A
	SPILLS	WESLEY PEOPLES 94-227	WINTER ST ASHLAND NH 03217	NON GC	N/A	N/A
	NFRAP	THRIFTAMAT LAUNDRY NHN000103178/NFRAP-NFRAP-N	ROUTE 25 MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	RCRAGN	NH DES NHD510198047/LGN	885 MAIN ST HOLDERNESS NH 03245	NON GC	N/A	N/A
	RCRAGN	WHITE MOUNTAIN AUTO BROKER INC NHD510152416/USED OIL	384 N MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRAGN	VENTURE PRINT UNLIMITED INC NHD510178999/VGN	44 S MAIN ST PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRAGN	WHITE MOUNTAIN AUTO BROKER INC NHD510152416/USED OIL	384 N MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	RCRAGN	HUBBARD BROOK RESEARCH FOUNDAT NHD510091101/VGN	25 DOBSON HILL RD CAMPTON NH 03223	NON GC	N/A	N/A
	RCRAGN	EVERSOLE JOAN DMD NHD500007687/VGN	2 S MAIN ST PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRAGN	FAIRPOINT COMMUNICATIONS NHD510071590/VGN	LANGDON ST and HIGH ST PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRAGN	FINISHING TOUCHES BY MARK LLC NHD510160591/VGN	630 DANIEL WEBSTER HWY PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRAGN	LUCAS TREE EXPERTS NHD510119555/VGN	N MAIN ST PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRAGN	NH DOT NHD510176662/LGN	CNR BRIDGE and MAIN PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRACOR	ROCKWELL INTERNATIONAL NHD001085430/CA	MAIN ST CAMPTON NH 03223	NON GC	N/A	N/A
	SPILLS	MARTIN PROPERTY 200803042	82 BARTLETT HILL RD CENTER HARBOR NH 03226	NON GC	N/A	N/A
	SWL	NHSW-TRAN-181/TRANSFER STATIONS	ROUTE 175 THORNTON NH 03223	NON GC	N/A	N/A
	SWL	NHSW-TRAN-10/TRANSFER STATIONS	COLLINS ST ASHLAND NH 03217	NON GC	N/A	N/A
	SWL	NHSW-TRAN-126/TRANSFER STATIONS	ROUTE 132 NEW HAMPTON NH 03256	NON GC	N/A	N/A

Environmental FirstSearch

Sites Summary Report

Target Property: ASHLAND NH 03217

JOB: 10001086

TOTAL: 142 **GEOCODED:** 35 **NON GEOCODED:** 107 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SWL	NHSW-TRAN-10/TRANSFER STATIONS	COLLINS ST ASHLAND NH 03217	NON GC	N/A	N/A
	SPILLS	THOMAS PETERS 199606020/CLOSED	STATE ROUTE 25 PLYMOUTH NH 03264	NON GC	N/A	N/A
	SPILLS	DENNYS EXXON 198706034/CLOSED	131 N MAIN ST PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRANLR	ROCKWELL INTERNATIONAL NHD001085430/NLR	MAIN ST CAMPTON NH 03223	NON GC	N/A	N/A
	SPILLS	CORIATY PROPERTY 200601050/LEATHERS	241 RIVERSIDE DR CAMPTON NH 03223	NON GC	N/A	N/A
	SWL	NHSW-TRAN-153/TRANSFER STATIONS	BEECH HILL PLYMOUTH NH 03264	NON GC	N/A	N/A
	SPILLS	WESLEY PEOPLES 94-227	WINTER ST ASHLAND NH 03217	NON GC	N/A	N/A
	SPILLS	UNK 94-112	WINTER ST ASHLAND NH 03217	NON GC	N/A	N/A
	SPILLS	BUSKY S GARAGE NHSP-0204-I-50/FIXED	23 MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	SPILLS	ASHLAND HIGHWAY DEPT. 96-21	PLEASANT ST./WINTER ST ASHLAND NH 03217	NON GC	N/A	N/A
	SPILLS	REESE BEATON 200605054/CLOSED	79 STATE ROUTE 113 HOLDERNESS NH 03245	NON GC	N/A	N/A
	SPILLS	BUSKY S GARAGE NHSP-0204-I-50/FIXED	23 MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	SPILLS	HOLLAND HILL HOUSE 199009008/CLOSED	STATE ROUTE 109 MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	LUST	DOWNTOWN PLYMOUTH AREA STUDY 199001005/CLOSED	UNKNOWN PLYMOUTH NH 03264	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03254	UNKNOWN NH 03254	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03223	UNKNOWN NH 03223	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03226	UNKNOWN NH 03226	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03217	UNKNOWN NH 03217	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03245	UNKNOWN NH 03245	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03264	UNKNOWN NH 03264	NON GC	N/A	N/A

Environmental FirstSearch

Sites Summary Report

Target Property: ASHLAND NH 03217

JOB: 10001086

TOTAL: 142 **GEOCODED:** 35 **NON GEOCODED:** 107 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SWL	NHSW-TRAN-122/TRANSFER STATIONS	ROUTE 109, HOLLAND ST MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03217	UNKNOWN NH 03217	NON GC	N/A	N/A
	SWL	TOWN OF PLYMOUTH NHSW-MRF-7/MATERIAL RECOVERY	UNKNOWN PLYMOUTH NH 03264	NON GC	N/A	N/A
	LUST	QUIET BAY LLC 200003026/CLOSED	CENTER HARBOR NECK RD CENTER HARBOR NH 03226	NON GC	N/A	N/A
	UST	FOLEY and RAY PC 0115197/UST	9 S MAIN ST PLYMOUTH NH 03264	NON GC	N/A	N/A
	UST	E L HEAL and SON 0114108/UST	SOUTH MAIN ST PLYMOUTH NH 03264	NON GC	N/A	N/A
	UST	CONGREGATIONAL CHURCH 0114902/UST	MAIN STREET PLYMOUTH NH 03264	NON GC	N/A	N/A
	UST	SHEPARD BLOCK 0115036/UST	8 N MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	UST	SHEPARD BLOCK 0115036/UST	8 N MAIN ST ASHLAND NH 03217	NON GC	N/A	N/A
	STATE	DOSTIE RESIDENCE 200811084/GW HAZ INV - CLOSED	131 BIRCH HILL RD PLYMOUTH NH 03264	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03256	UNKNOWN NH 03256	NON GC	N/A	N/A
	ERNS	RT 113 NRC-927606/FIXED	STATE ROUTE 113 HOLDERNESS NH 03245	NON GC	N/A	N/A
	SPILLS	ASHLAND HIGHWAY DEPT. 96-21	PLEASANT ST./WINTER ST ASHLAND NH 03217	NON GC	N/A	N/A
	STATE	JOHN WILLIAMSON 199810003/GW HAZ INV - CLOSED	STRAITS RD ASHLAND NH	NON GC	N/A	N/A
	STATE	EAMES RESIDENCE 200904038/GW HAZ INV - CLOSED	40 SCHOOL ST ASHLAND NH 03217	NON GC	N/A	N/A
	ERNS	SPELCO, INC. 425777/FIXED FACILITY	TEICHNER SITE, HIGHLAND ST PLYMOUTH NH 03264	NON GC	N/A	N/A
	ERNS	H C COLBY AND SON 240774/HIGHWAY RELATED	HALF A MILE EAST OF STATE R MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	ERNS	SOUTHERN NH HYDROELECTRIC 552675/FIXED FACILITY	MILL POND RD ASHLAND NH 03217	NON GC	N/A	N/A
	STATE	DOSTIE RESIDENCE 200811084/GW HAZ INV - CLOSED	131 BIRCH HILL RD PLYMOUTH NH 03264	NON GC	N/A	N/A
	ERNS	FRED FULLER OIL CO 606002/FIXED FACILITY	ASHLAND FIRE STATION S MAIN ASHLAND NH 03217	NON GC	N/A	N/A

Environmental FirstSearch

Sites Summary Report

Target Property: ASHLAND NH 03217

JOB: 10001086

TOTAL: 142 **GEOCODED:** 35 **NON GEOCODED:** 107 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	STATE	REESE BEATON 200605054/GW HAZ INV - CLOSED	79 RTE 113 PLYMOUTH NH 03264	NON GC	N/A	N/A
	ERNS	SOUTHERN NH HYDROELECTRIC 552675/FIXED FACILITY	MILL POND RD ASHLAND NH 03217	NON GC	N/A	N/A
	ERNS	FRESHWATER HYDRO ELEC INC 552686/FIXED FACILITY	PAPERMILL RD ASHLAND NH 03217	NON GC	N/A	N/A
	ERNS	FRED FULLER OIL CO 606002/FIXED FACILITY	ASHLAND FIRE STATION S MAIN ASHLAND NH 03217	NON GC	N/A	N/A
	RCRANLR	USDEA NHD510191042/NLR	E S BEECH HILL PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRANLR	NEW ENGLAND TELEPHONE CO NHD510072721/NLR	SHEPPARD HILL RD PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRANLR	CLEAN HARBORS HHW DAY NHD510196074/NLR	56 BEACH HILL RD PLYMOUTH NH 03264	NON GC	N/A	N/A
	RCRANLR	LAMPREY SEPTIC SERVICE NHD510175656/NLR	11 JENNESS HILL RD MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	ERNS	FRESHWATER HYDRO ELEC INC 552686/FIXED FACILITY	PAPERMILL RD ASHLAND NH 03217	NON GC	N/A	N/A
	STATE	FORMER THRIFTAMAT LAUNDROMAT 199302032/GW HAZ INV	RTE 25 MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-03264	UNKNOWN NH 03264	NON GC	N/A	N/A
	STATE	BAKER RESIDENCE 200801032/GW HAZ INV - CLOSED	121 UNITED STATES HIGHWAY 3 PLYMOUTH NH 03264	NON GC	N/A	N/A
	STATE	UNIQUE AUTOBODY (WAKEFIELD S A 199009006/GW HAZ INV	RTE 25 MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	STATE	ROBERT WALZEL 199808013/GW HAZ INV - CLOSED	52 HILLTOP RD MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	STATE	ROBERT HUSTON RESIDENCE 200606045/GW HAZ INV	11 EDELLA LN MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	STATE	RICHARD DAVIS RESIDENCE 200107036/GW HAZ INV - CLOSED	116 ALPINE RD MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	STATE	BAKER RESIDENCE 200801032/GW HAZ INV - CLOSED	121 UNITED STATES HIGHWAY 3 PLYMOUTH NH 03264	NON GC	N/A	N/A
	STATE	PAINE RESIDENCE 200409181/GW HAZ INV - CLOSED	42 SPECTACLE CIR MOULTONBOROUGH NH 03254	NON GC	N/A	N/A
	STATE	REESE BEATON 200605054/GW HAZ INV - CLOSED	79 RTE 113 PLYMOUTH NH 03264	NON GC	N/A	N/A
	STATE	MCGUIGAN RESIDENCE 200805007/GW HAZ INV - CLOSED	11 ABENDS CAMPTON NH 03223	NON GC	N/A	N/A

Environmental FirstSearch Sites Summary Report

Target Property: ASHLAND NH 03217

JOB: 10001086

TOTAL: 142 **GEOCODED:** 35 **NON GEOCODED:** 107 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	STATE	HUBBARD BROOK EXPER. FOREST 200007010/GW HAZ INV - CLOSED	MIRROR LAKE RD CAMPTON NH 03223	NON GC	N/A	N/A
	STATE	GERBER/HAGERTY PROPERTY 200308013/GW HAZ INV - CLOSED	14 RYAN CIR CAMPTON NH 03223	NON GC	N/A	N/A
	STATE	BURROWS RESIDENCE 200802046/GW HAZ INV - CLOSED	232 LOST RIVER RD CAMPTON NH 03223	NON GC	N/A	N/A
	STATE	WINSHIP MOODY 200903065/GW HAZ INV - CLOSED	241 WAUKEWAN RD CENTER HARBOR NH 03226	NON GC	N/A	N/A
	STATE	MARTIN PROPERTY 200803042/GW HAZ INV - CLOSED	82 BARTLETT HILL RD CENTER HARBOR NH 03226	NON GC	N/A	N/A
	STATE	EAMES RESIDENCE 200904038/GW HAZ INV - CLOSED	40 SCHOOL ST ASHLAND NH 03217	NON GC	N/A	N/A
	STATE	RANGEWAY 199903021/DELETED	WHARF RD MOULTONBOROUGH NH 03254	NON GC	N/A	N/A

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 33 **DIST/DIR:** 0.00 -- **ELEVATION:** 561 **MAP ID:** 1

NAME: L W PACKARD and CO INC
ADDRESS: 6 MILL ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 200009045
ID2:
STATUS: KARNAUKH-S
PHONE:

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 33 **DIST/DIR:** 0.00 -- **ELEVATION:** 561 **MAP ID:** 1

NAME: L W PACKARD and CO INC
ADDRESS: 6 MILL ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 200009045
ID2:
STATUS: KARNAUKH-S
PHONE:

RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: EVANS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: EVANS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: EVANS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 33 **DIST/DIR:** 0.00 -- **ELEVATION:** 561 **MAP ID:** 1

NAME: L W PACKARD and CO INC
ADDRESS: 6 MILL ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 200009045
ID2:
STATUS: KARNAUKH-S
PHONE:

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: KARNAUKH-S
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: EVANS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: EVANS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: EVANS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY: WLP: 3
RISK LEVEL: NDY
PROJECT MANAGER: EVANS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: NDY
PROJECT MANAGER: EVANS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:

- More Details Exist For This Site; Max Page Limit Reached -

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

BROWNFIELD

SEARCH ID: 35	DIST/DIR: 0.00 --	ELEVATION: 561	MAP ID: 1
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NAME: L W PACKARD and CO INC
ADDRESS: 6 MILL ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NH DES

REV: 11/1/10
ID1: 200009045
ID2:
STATUS: ACTIVE
PHONE:

SITE INFORMATION

RESPONSE ACTION COMPLETED:
RESPONSE ACTION PLANNED:
CONTAMINANT:

**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 27	DIST/DIR: 0.00 --	ELEVATION: 561	MAP ID: 1
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NAME: L W PACKARD and CO INC ADDRESS: 6 MILL ST ASHLAND NH GRAFTON CONTACT: JAMES D MCEWEN SOURCE: NH DES	REV: 12/2/08 ID1: 000945A ID2: STATUS: AST PHONE: --
--	---

OWNER INFORMATION

OWNER NAME: ASHLAND PROPERTIES
OWNER ADDRESS:

SITE TRACKING NUMBER: 200009045

TANK INFORMATION

TANK NUMBER: 1 STORAGE CAPACITY: 20000 GALLONS TANK TYPE: DOUBLE WALL TANK: DATE INSTALLED: 11/01/1988 EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: DATE PERMANENTLY CLOSED: PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED:	SUBSTANCE STORED: 2 HEATING OIL PIPE TYPE: CLOSURE TYPE:
--	---

TANK NUMBER: 2 STORAGE CAPACITY: 20000 GALLONS TANK TYPE: DOUBLE WALL TANK: DATE INSTALLED: 01/01/1988 EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: DATE PERMANENTLY CLOSED: PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED:	SUBSTANCE STORED: 2 HEATING OIL PIPE TYPE: CLOSURE TYPE:
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Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 26 **DIST/DIR:** 0.00 -- **ELEVATION:** 561 **MAP ID:** 1

NAME: L W PACKARD and CO INC ADDRESS: 6 MILL ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 0112818 ID2: STATUS: UST PHONE:
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TOTAL NUMBER OF TANKS: 3

OWNER INFORMATION

OWNER NAME: L W PACKARD and CO INC
OWNER ADDRESS: 6 MILL ST
ASHLAND NH 03217

SITE TRACKING NUMBER: 200009045

TANK INFORMATION

TANK NUMBER: 1 STORAGE CAPACITY: 20000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 12/21/1988 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED:	SUBSTANCE STORED: 6 HEATING OIL PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
--	---

TANK NUMBER: 2 STORAGE CAPACITY: 20000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 12/21/1988 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED:	SUBSTANCE STORED: 6 HEATING OIL PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
--	---

TANK NUMBER: 3 STORAGE CAPACITY: 6000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 06/22/1992 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 08/17/1992	SUBSTANCE STORED: OTHER PIPE TYPE: STEEL CLOSURE TYPE: REMOVED 08/17/1992
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- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 26	DIST/DIR: 0.00 --	ELEVATION: 561	MAP ID: 1
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NAME: L W PACKARD and CO INC ADDRESS: 6 MILL ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 0112818 ID2: STATUS: UST PHONE:
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**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRAGN

SEARCH ID: 4 **DIST/DIR:** 0.00 -- **ELEVATION:** 561 **MAP ID:** 1

NAME: PACKARD L W and CO INC
ADDRESS: 6 MILL ST
ASHLAND NH 03217
GRAFTON
CONTACT:
SOURCE: EPA

REV: 12/9/02
ID1: NHD001086230
ID2:
STATUS: LGN
PHONE:

CT MANIFEST INFORMATION

<u>MANIFEST ID</u>	<u>SHIPPED</u>	<u>TSD ID</u>	<u>TRANS ID</u>	<u>QTY</u>	<u>MATERIAL</u>
MAH412331	09/15/1994	CTD072138969	MAD047075734	0050 P	WASTE AEROSOLS FLAMMABLE
MAH412331	09/15/1994	CTD072138969	MAD047075734	0100 P	WASTE PAINT RELATED MATERIAL

STATE

SEARCH ID: 17 **DIST/DIR:** 0.00 -- **ELEVATION:** 561 **MAP ID:** 1

NAME: L W PACKARD and CO INC
ADDRESS: 6 MILL ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NH DES

REV: 9/27/10
ID1: 200009045
ID2:
STATUS: GW HAZ INV
PHONE:

PERMITS: 1
PROJECT TYPE: HAZARDOUS
PROJECT MANAGER: UNASSIGNED

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

ERNS

SEARCH ID: 15	DIST/DIR: 0.00 --	ELEVATION: 561	MAP ID: 1
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NAME: LW PACKARD AND SONS
ADDRESS: 6 MILL ST
ASHLAND NH
GRAFTON

REV: 1/31/1990
ID1: 159156
ID2:
STATUS: FIXED FACILITY
PHONE:

CONTACT:
SOURCE: EPA

DETAILS NOT AVAILABLE

**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 12	DIST/DIR: 0.00 --	ELEVATION: 561	MAP ID: 1
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NAME: L W PACKARD CO INC
ADDRESS: 6 MILL ST
ASHLAND NH 03217
GRAFTON
CONTACT:
SOURCE: EPA

REV: 11/10/10
ID1: NHD001086230
ID2:
STATUS: NLR
PHONE:

SITE INFORMATION

CONTACT INFORMATION: SUSAN FRANCESCO
6 MILL ST
ASHLAND NH 03217

PHONE: 6039683351

CONTACT INFORMATION: CALVIN BROWN
6 MILL ST
ASHLAND NH 03217

PHONE: 6039683351

CONTACT INFORMATION: JAMES MCEWEN
6 MILL ST
ASHLAND NH 03217

PHONE: 6039683351

UNIVERSE INFORMATION:

NAIC INFORMATION

31321 - BROADWOVEN FABRIC MILLS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Corrosive waste

**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRAGN

SEARCH ID: 3	DIST/DIR: 0.10 SW	ELEVATION: 532	MAP ID: 2
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NAME: ELPAKCO INC
ADDRESS: 37 WINTER ST
ASHLAND NH 03217
GRAFTON
CONTACT: DALE GRANT
SOURCE: EPA

REV: 11/13/08
ID1: NHD510196405
ID2:
STATUS: VGN
PHONE: 9788520261

SITE INFORMATION

CONTACT INFORMATION: DALE GRANT
PO BOX 72
WESTFORD MA 1886

PHONE: (978)852-0261

NAIC INFORMATION

332721 -

HAZARDOUS WASTE

D001 - Ignitable waste

**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 11 **DIST/DIR:** 0.10 SW **ELEVATION:** 532 **MAP ID:** 2

NAME: ELPACO INC
ADDRESS: 37 WINTER ST
ASHLAND NH 03217
GRAFTON
CONTACT:
SOURCE: EPA

REV: 11/10/10
ID1: NHD510196405
ID2:
STATUS: NLR
PHONE:

SITE INFORMATION

CONTACT INFORMATION: DALE GRANT
PO BOX 72
WESTFORD MA 01886

PHONE: 9788520261

UNIVERSE INFORMATION:

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	N - NO
SUBJCA TSD 3004:	N - NO
SUBJCA NON TSD:	N - NO
SIGNIFICANT NON-COMPLIANCE(SNC):	N - NO
BEGINNING OF THE YEAR SNC:	
PERMIT WORKLOAD:	----
CLOSURE WORKLOAD:	----
POST CLOSURE WORKLOAD:	----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	----
CORRECTIVE ACTION WORKLOAD:	N - NO
GENERATOR STATUS:	N

INSTITUTIONAL CONTROL:	N
HUMAN EXPOSURE:	
GW CONTROLS:	
LAND TYPE:	P

NAIC INFORMATION

332721 - PRECISION TURNED PRODUCT MANUFACTURING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

D001 - Ignitable waste

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 32 **DIST/DIR:** 0.11 NE **ELEVATION:** 554 **MAP ID:** 3

NAME: CUMBERLAND FARMS 2807
ADDRESS: 2 MAIN ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 199712033
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 32 **DIST/DIR:** 0.11 NE **ELEVATION:** 554 **MAP ID:** 3

NAME: CUMBERLAND FARMS 2807
ADDRESS: 2 MAIN ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 199712033
ID2:
STATUS: CLOSED
PHONE:

RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 32 **DIST/DIR:** 0.11 NE **ELEVATION:** 554 **MAP ID:** 3

NAME: CUMBERLAND FARMS 2807
ADDRESS: 2 MAIN ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 199712033
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY: WLP: 3
RISK LEVEL: RISK LEVEL: 8
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

- More Details Exist For This Site; Max Page Limit Reached -

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 25 **DIST/DIR:** 0.11 NE **ELEVATION:** 554 **MAP ID:** 3

NAME: CUMBERLAND FARMS 2807 ADDRESS: 2 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 0110749 ID2: STATUS: UST PHONE:
--	--

TOTAL NUMBER OF TANKS: 6

OWNER INFORMATION

OWNER NAME: CUMBERLAND FARMS INC
OWNER ADDRESS: 100 CROSSING BLVD
FRAMINGHAM MA 01702

SITE TRACKING NUMBER: 199712033

TANK INFORMATION

TANK NUMBER: 1 STORAGE CAPACITY: 8000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 10/27/1997 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 11/24/1997	SUBSTANCE STORED: GASOLINE PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
--	--

TANK NUMBER: 2 STORAGE CAPACITY: 8000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 10/27/1997 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 11/24/1997	SUBSTANCE STORED: GASOLINE PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
--	--

TANK NUMBER: 3 STORAGE CAPACITY: 8000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 10/27/1997 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 11/24/1997	SUBSTANCE STORED: GASOLINE PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
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- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 10	DIST/DIR: 0.11 NE	ELEVATION: 554	MAP ID: 3
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NAME: CUMBERLAND FARMS 2807
ADDRESS: 2 MAIN ST
ASHLAND NH 03217
GRAFTON
CONTACT:
SOURCE: EPA

REV: 11/10/10
ID1: NHD982745150
ID2:
STATUS: NLR
PHONE:

SITE INFORMATION

CONTACT INFORMATION: - ENVIRON DEPT
777 DEDHAM ST
CANTON MA 02021

PHONE: 7818284900

CONTACT INFORMATION: RICHARD ETZOLD
777 DEDHAM ST
CANTON MA 02021

PHONE: 7818284900

CONTACT INFORMATION: RICHARD ETZOLD
DEDHAM ST
CANTON MA 02021

PHONE: 7818284900

UNIVERSE INFORMATION:

NAIC INFORMATION

44711 - GASOLINE STATIONS WITH CONVENIENCE STORES
44511 - SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES
4471 - GASOLINE STATIONS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Ignitable waste
Tetrachloroethylene

Environmental FirstSearch Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRAGN

SEARCH ID: 2 **DIST/DIR:** 0.11 NE **ELEVATION:** 554 **MAP ID:** 3

NAME: CUMBERLAND FARMS 2807
ADDRESS: 2 MAIN ST
ASHLAND NH 03217
GRAFTON
CONTACT: RICHARD ETZOLD
SOURCE: EPA

REV: 9/22/05
ID1: NHD982745150
ID2:
STATUS: SGN
PHONE: 7818284900 3378

CT MANIFEST INFORMATION

<u>MANIFEST ID</u>	<u>SHIPPED</u>	<u>TSD ID</u>	<u>TRANS ID</u>	<u>QTY</u>	<u>MATERIAL</u>
CTC0299924	05/24/1990	CTD021816889	NHD982747073	0100 G	WASTE GASOLINE FLAMMABLE LIQUID
CTF0006028	08/28/1990	CTD021816889	NHD982747073	0455 P	WASTE GASOLINE, FLAMMABLE LIQUID
CTF0083132	11/21/1990	CTD021816889	NHD982747073	0682 P	WASTE GASOLINE, FLAMMABLE LIQUID
CTF0083133	11/21/1990	CTD021816889	NHD982747073	0682 P	WASTE GASOLINE
CTF0090481	03/21/1991	CTD021816889	NHD982747073	0702 P	WASTE GASOLINE FLAMMABLE LIQUID
CTF0090664	05/09/1991	CTD021816889	NHD982747073	0409 P	WASTE FLAMMABLE LIQUID, NOS
CTF0097399	08/13/1991	CTD021816889	NHD982747073	0260 P	WASTE FLAMMABLE LIQUID, NOS
CTF0097348	09/26/1991	CTD021816889	NHD982747073	0520 P	WASTE FLAMMABLE LIQUID, NOS
CTF0148639	01/20/1992	CTD021816889	NHD982747073	0487 P	WASTE FLAMMABLE LIQUID, NOS
CTF0148428	03/03/1992	CTD021816889	NHD982747073	0462 P	WASTE FLAMMABLE LIQUID, NOS
CTF0103481	08/05/1992	CTD021816889	NHD982747073	0357 P	WASTE FLAMMABLE LIQUID, NOS
NHF0009931	11/02/1992	CTD021816889	NHD982747073	0325 P	WASTE FLAMMABLE LIQUID, NOS
CTF0280747	04/22/1993	CTD021816889	NHD982747073	0560 P	WASTE FLAMMABLE LIQUID, NOS
CTF0262645	11/09/1993	CTD021816889	NHD982747073	0364 P	WASTE FLAMMABLE LIQUIDS, NOS
CTF0243795	01/05/1994	CTD021816889	NHD982747073	0056 G	WASTE FLAMMABLE LIQUID
NHG0014443	05/18/1995	CTD021816889	NHD982747073	0455 P	WASTE FLAMMABLE LIQUID NOS
CTF0532573	04/26/1996	MED019051069	NHD982747073	0055 G	GASAHOL, GASOLINE
CTF0350974	05/14/1996	CTD021816889	NHD982747073	0040 G	GASAHOL, GASOLINE
CTF0350985	11/20/1996	MED019051069	NHD982747073	0075 G	GASAHOL, GASOLINE
MAG157890	10/28/1997	CTD021816889	MAD082303777	0081 G	GASAHOL, GASOLINE

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 13	DIST/DIR: 0.19 NW	ELEVATION: 559	MAP ID: 4
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NAME: VIDEO SENSE
ADDRESS: 79 MAIN ST
ASHLAND NH 03217
GRAFTON
CONTACT:
SOURCE: EPA

REV: 11/10/10
ID1: NHD510190721
ID2:
STATUS: NLR
PHONE:

SITE INFORMATION

CONTACT INFORMATION: TOM PETERS
PO BOX 868
ASHLAND NH 03217

PHONE: 6039687280

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRAGN

SEARCH ID: 5 **DIST/DIR:** 0.19 NW **ELEVATION:** 559 **MAP ID:** 4

NAME:	VIDEO SENSE	REV:	4/16/06
ADDRESS:	79 MAIN ST	ID1:	NHD510190721
	ASHLAND NH 03217	ID2:	
	GRAFTON	STATUS:	SGN
CONTACT:	TOM PETERS	PHONE:	6039687280
SOURCE:	EPA		

SITE INFORMATION

CONTACT INFORMATION: TOM PETERS
PO BOX 868
ASHLAND NH 03217

PHONE: 6039687280

UNIVERSE INFORMATION:

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GPRA COMPLIANCE MONITORING and ENFORCEMENT: N - NO

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA: N - NO
SUBJCA TSD 3004: N - NO
SUBJCA NON TSD: N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: ----
CLOSURE WORKLOAD: ----
POST CLOSURE WORKLOAD: ----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: ----
CORRECTIVE ACTION WORKLOAD: N - NO
GENERATOR STATUS: SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
KG/MONTH OF HAZARDOUS WASTE

HANDLER INFORMATION:

SECOND ID:		OFF SITE RECEIPT:	
ACCESSIBILITY:		COUNTY OWNER:	
FED WSTE GEN OWNER:	HQ	FED WASTE GEN:	2
STATE WSTE GEN OWNER:	NH	STATE WSTE GEN:	F

NAIC INFORMATION

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRAGN

SEARCH ID: 5	DIST/DIR: 0.19 NW	ELEVATION: 559	MAP ID: 4
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NAME: VIDEO SENSE
ADDRESS: 79 MAIN ST
ASHLAND NH 03217
GRAFTON
CONTACT: TOM PETERS
SOURCE: EPA

REV: 4/16/06
ID1: NHD510190721
ID2:
STATUS: SGN
PHONE: 6039687280

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 28 **DIST/DIR:** 0.19 NW **ELEVATION:** 559 **MAP ID:** 4

NAME: VIDEO SENSE ADDRESS: 79 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 0115722 ID2: STATUS: UST PHONE:
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TOTAL NUMBER OF TANKS: 5

OWNER INFORMATION

OWNER NAME: THOMAS E PETERS
OWNER ADDRESS: PO BOX 868
ASHLAND NH 03217

SITE TRACKING NUMBER: 200512012

TANK INFORMATION

TANK NUMBER: 1 STORAGE CAPACITY: 1000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 11/08/2005 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 12/06/2005	SUBSTANCE STORED: GASOLINE PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
--	--

TANK NUMBER: 2 STORAGE CAPACITY: 1000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 11/08/2005 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 12/06/2005	SUBSTANCE STORED: GASOLINE PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
--	--

TANK NUMBER: 3 STORAGE CAPACITY: 2000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 11/08/2005 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 12/06/2005	SUBSTANCE STORED: GASOLINE PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
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- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 28	DIST/DIR: 0.19 NW	ELEVATION: 559	MAP ID: 4
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NAME: VIDEO SENSE ADDRESS: 79 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 0115722 ID2: STATUS: UST PHONE:
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TANK NUMBER: 4 STORAGE CAPACITY: 8000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 11/08/2005 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 12/06/2005	SUBSTANCE STORED: GASOLINE PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
--	--

TANK NUMBER: 5 STORAGE CAPACITY: 8000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 11/08/2005 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 12/06/2005	SUBSTANCE STORED: GASOLINE PIPE TYPE: STEEL CLOSURE TYPE: REMOVED
--	--

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 34 **DIST/DIR:** 0.19 NW **ELEVATION:** 559 **MAP ID:** 4

NAME: VIDEO SENSE **REV:** 9/27/10
ADDRESS: 79 MAIN ST **ID1:** 200512012
ASHLAND NH **ID2:**
GRAFTON **STATUS:** MARTS
CONTACT: **PHONE:**
SOURCE: NHDES

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 34 **DIST/DIR:** 0.19 NW **ELEVATION:** 559 **MAP ID:** 4

NAME: VIDEO SENSE **REV:** 9/27/10
ADDRESS: 79 MAIN ST **ID1:** 200512012
ASHLAND NH **ID2:**
GRAFTON **STATUS:** MARTS
CONTACT: **PHONE:**
SOURCE: NHDES

RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 34 **DIST/DIR:** 0.19 NW **ELEVATION:** 559 **MAP ID:** 4

NAME: VIDEO SENSE **REV:** 9/27/10
ADDRESS: 79 MAIN ST **ID1:** 200512012
ASHLAND NH **ID2:**
GRAFTON **STATUS:** MARTS
CONTACT: **PHONE:**
SOURCE: NHDES

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY: WLP: 3
RISK LEVEL: RISK LEVEL: 7
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER
PROJECT MANAGER: MARTS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY: WLP: 3
RISK LEVEL: RISK LEVEL: 7 LOW CONCENTRATION, ALTERNATIVE WATER

- More Details Exist For This Site; Max Page Limit Reached -

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

SPILLS			
SEARCH ID: 21	DIST/DIR: 0.20 NE	ELEVATION: 614	MAP ID: 5
NAME: DEAD RIVER ROAD ADDRESS: 20 HIGH ST ASHLAND NH 03217		REV: 01/01/98 ID1: 97-136 ID2: STATUS: PHONE:	
CONTACT: SOURCE:			
DATE OF SPILL: 4/25/97		TIME OF SPILL:	
CHEMICAL SPILLED: Fuel Oil AMOUNT SPILLED: 5 Gallons		HAZARD: Flammable TYPE OF SITE: Fixed	

**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 14 **DIST/DIR:** 0.22 SW **ELEVATION:** 499 **MAP ID:** 6

NAME: WINTER STREET MOTORS ADDRESS: 26 WINTER ST ASHLAND NH 03217 GRAFTON CONTACT: SOURCE: EPA	REV: 11/10/10 ID1: NHD500008198 ID2: STATUS: NLR PHONE:
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SITE INFORMATION

CONTACT INFORMATION: DAN MURPHY
26 WINTER ST
ASHLAND NH 03217

PHONE: 6039683230

UNIVERSE INFORMATION:

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA:	N - NO
SUBJCA TSD 3004:	N - NO
SUBJCA NON TSD:	N - NO
SIGNIFICANT NON-COMPLIANCE(SNC):	N - NO
BEGINNING OF THE YEAR SNC:	
PERMIT WORKLOAD:	----
CLOSURE WORKLOAD:	----
POST CLOSURE WORKLOAD:	----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:	----
CORRECTIVE ACTION WORKLOAD:	N - NO
GENERATOR STATUS:	N
INSTITUTIONAL CONTROL:	N
HUMAN EXPOSURE:	
GW CONTROLS:	
LAND TYPE:	P

NAIC INFORMATION

811111 - GENERAL AUTOMOTIVE REPAIR
811121 - AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

D001 - Ignitable waste
D035 - Methyl ethyl ketone
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.

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 14	DIST/DIR: 0.22 SW	ELEVATION: 499	MAP ID: 6
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NAME: WINTER STREET MOTORS
ADDRESS: 26 WINTER ST
ASHLAND NH 03217
GRAFTON

REV: 11/10/10
ID1: NHD500008198
ID2:
STATUS: NLR
PHONE:

CONTACT:
SOURCE: EPA

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.

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRAGN

SEARCH ID: 6 **DIST/DIR:** 0.22 SW **ELEVATION:** 499 **MAP ID:** 6

NAME: WINTER STREET MOTORS ADDRESS: 26 WINTER ST ASHLAND NH 03217 GRAFTON CONTACT: SOURCE: EPA	REV: 7/14/09 ID1: NHD500008198 ID2: STATUS: VGN PHONE:
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CT MANIFEST INFORMATION

<u>MANIFEST ID</u>	<u>SHIPPED</u>	<u>TSD ID</u>	<u>TRANS ID</u>	<u>QTY</u>	<u>MATERIAL</u>
CTF0899014	10/28/1999	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES NOS
MAM720261	06/18/2001	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES NOS
CTF1073084	10/08/2002	CTD021816889	CTD021816889	0005 G	PETROLEUM DISTILLATES NOS
CTF1085137	03/26/2003	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES NOS
CTF1091959	06/18/2003	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES NOS
CTF1139081	09/12/2003	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES NOS
CTF1091154	12/04/2003	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES NOS
CTF1060073	02/26/2004	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES, N.O.S. OR PETROLEUM PRODUCTS, N.O.S.
CTF1051852	08/12/2004	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES, N.O.S. OR PETROLEUM PRODUCTS, N.O.S.
CTF1168133	11/04/2004	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES, N.O.S. OR PETROLEUM PRODUCTS, N.O.S.
CTF1226046	04/21/2005	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES, N.O.S. OR PETROLEUM PRODUCTS, N.O.S.
CTF1046461	07/14/2005	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES, N.O.S. OR PETROLEUM PRODUCTS, N.O.S.
CTF1262002	12/29/2005	CTD021816889	CTD021816889	0008 G	PETROLEUM DISTILLATES, N.O.S. OR PETROLEUM PRODUCTS, N.O.S.

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 29 **DIST/DIR:** 0.22 SW **ELEVATION:** 499 **MAP ID:** 6

NAME: WINTER STREET REALTY TRUST ADDRESS: 26 WINTER ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 0115013 ID2: STATUS: UST PHONE:
--	--

TOTAL NUMBER OF TANKS: 4

OWNER INFORMATION

OWNER NAME: WINTER STREET REALTY TRUST
OWNER ADDRESS: 26 WINTER ST
ASHLAND NH 03217

SITE TRACKING NUMBER: 200102076

TANK INFORMATION

TANK NUMBER: 1 STORAGE CAPACITY: 2000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 05/22/1997 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 08/25/1997	SUBSTANCE STORED: GASOLINE PIPE TYPE: CLOSURE TYPE: REMOVED
--	--

TANK NUMBER: 2 STORAGE CAPACITY: 2000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 05/05/1997 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 08/25/1997	SUBSTANCE STORED: USE PIPE TYPE: CLOSURE TYPE: REMOVED
--	---

TANK NUMBER: 3 STORAGE CAPACITY: 1000 GALLONS TANK TYPE: DOUBLE WALL TANK: N DATE INSTALLED: EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: LINE LEAK DETECTION TEST DATE: 05/05/1997 DATE PERMANENTLY CLOSED: R PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED: 08/25/1997	SUBSTANCE STORED: 2 HEATING OIL PIPE TYPE: CLOSURE TYPE: REMOVED
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- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 7 **DIST/DIR:** 0.22 NW **ELEVATION:** 597 **MAP ID:** 7

NAME: ASHLAND ELEMENTARY SCHOOL
ADDRESS: 1 EDUCATION DR
ASHLAND NH 03217
GRAFTON
CONTACT:
SOURCE: EPA

REV: 11/10/10
ID1: NHD510188410
ID2:
STATUS: NLR
PHONE:

SITE INFORMATION

CONTACT INFORMATION: STEPHEN HEATH
1 EDUCATION DR
ASHLAND NH 03217

PHONE: 6039687622

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 23 **DIST/DIR:** 0.22 NW **ELEVATION:** 597 **MAP ID:** 7

NAME: ASHLAND ELEMENTARY SCHOOL
ADDRESS: SCHOOL ST
ASHLAND NH

REV: 9/27/10
ID1: 0112904
ID2:
STATUS: UST
PHONE:

CONTACT:
SOURCE: NH DES

TOTAL NUMBER OF TANKS: 2

OWNER INFORMATION

OWNER NAME: SAU 2
OWNER ADDRESS: PO BOX 240B
MEREDITH NH 03253

SITE TRACKING NUMBER: 199205033

TANK INFORMATION

TANK NUMBER:	1	SUBSTANCE STORED:	2 HEATING OIL
STORAGE CAPACITY:	6300 GALLONS	PIPE TYPE:	COPPER
TANK TYPE:			
DOUBLE WALL TANK:	N		
DATE INSTALLED:			
EMERG SPILL ENCLOSURE INSTALLED:			
EMERG OVERFILL ENCLOSURE INSTALLED:			
LAST TIGHTNESS TEST DATE:			
LINE LEAK DETECTION TEST DATE:	06/24/1991		
DATE PERMANENTLY CLOSED:	R		
PERM CLOSURE ANALYSIS PERFORMED:		08/30/1991	
DATE TEMPORARILY CLOSED:	08/30/1991	CLOSURE TYPE:	REMOVED

TANK NUMBER:	2	SUBSTANCE STORED:	2 HEATING OIL
STORAGE CAPACITY:	5000 GALLONS	PIPE TYPE:	COPPER
TANK TYPE:			
DOUBLE WALL TANK:	Y		
DATE INSTALLED:	07/01/1991		
EMERG SPILL ENCLOSURE INSTALLED:			
EMERG OVERFILL ENCLOSURE INSTALLED:			
LAST TIGHTNESS TEST DATE:	07/01/1991		
LINE LEAK DETECTION TEST DATE:			
DATE PERMANENTLY CLOSED:			
PERM CLOSURE ANALYSIS PERFORMED:			
DATE TEMPORARILY CLOSED:		CLOSURE TYPE:	

**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 9	DIST/DIR: 0.24 NW	ELEVATION: 547	MAP ID: 8
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NAME: BUSKEYS AUTO ADDRESS: 89 MAIN ST ASHLAND NH 03217 GRAFTON CONTACT: SOURCE: EPA	REV: 11/10/10 ID1: NHD510125719 ID2: STATUS: NLR PHONE:
---	--

SITE INFORMATION

CONTACT INFORMATION: PETER BUSKEY
MAIN ST
ASHLAND NH 03217

PHONE: 6039687044

CONTACT INFORMATION: PETER BUSKEY
PO BOX 982
ASHLAND NH 03217

PHONE: 6039687044

UNIVERSE INFORMATION:

NAIC INFORMATION

811111 - GENERAL AUTOMOTIVE REPAIR

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRAGN

SEARCH ID: 1	DIST/DIR: 0.24 NW	ELEVATION: 547	MAP ID: 8
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NAME: BUSKEYS AUTO
ADDRESS: 89 MAIN ST
ASHLAND NH 03217
GRAFTON
CONTACT:
SOURCE: EPA

REV: 9/14/10
ID1: NHD510125719
ID2:
STATUS: USED OIL
PHONE:

SITE INFORMATION

CONTACT INFORMATION: PETER BUSKEY
MAIN ST
ASHLAND NH 03217

PHONE: 6039687044

UNIVERSE INFORMATION:

SNC: N - NO
BOYSNC: N - NO
GPRA PERMIT: N - NO
GPRA POSTCLOSURE: N - NO
GPRA CA: N - NO
GPRA CME: N - NO
PERM PROG: ----
PREM WR
HANDLER INFORMATION:

SECOND ID:

ACCESSIBILITY:

FED WSTE GEN OWNER: HQ
STATE WSTE GEN OWNER: NH

OFF SITE RECEIPT:

COUNTY OWNER:

FED WASTE GEN: 3
STATE WSTE GEN: S

NAIC INFORMATION

811111 - GENERAL AUTOMOTIVE REPAIR

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 24 **DIST/DIR:** 0.24 NW **ELEVATION:** 547 **MAP ID:** 8

NAME: BUSKEYS AUTO ADDRESS: 89 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 0110009 ID2: STATUS: UST PHONE:
--	--

TOTAL NUMBER OF TANKS: 6

OWNER INFORMATION

OWNER NAME: BUSKEYS AUTO
OWNER ADDRESS: PO BOX 982
ASHLAND NH 03217

SITE TRACKING NUMBER: 199301002

TANK INFORMATION

TANK NUMBER: 1	
STORAGE CAPACITY: 4000 GALLONS	SUBSTANCE STORED: GASOLINE
TANK TYPE:	PIPE TYPE: FIBERGLASS
DOUBLE WALL TANK: N	
DATE INSTALLED:	
EMERG SPILL ENCLOSURE INSTALLED:	
EMERG OVERFILL ENCLOSURE INSTALLED:	
LAST TIGHTNESS TEST DATE:	
LINE LEAK DETECTION TEST DATE: 09/21/1992	
DATE PERMANENTLY CLOSED: R	
PERM CLOSURE ANALYSIS PERFORMED:	10/26/1992
DATE TEMPORARILY CLOSED: 10/26/1992	CLOSURE TYPE: REMOVED

TANK NUMBER: 2	
STORAGE CAPACITY: 6800 GALLONS	SUBSTANCE STORED: GASOLINE
TANK TYPE:	PIPE TYPE: FIBERGLASS
DOUBLE WALL TANK: N	
DATE INSTALLED:	
EMERG SPILL ENCLOSURE INSTALLED:	
EMERG OVERFILL ENCLOSURE INSTALLED:	
LAST TIGHTNESS TEST DATE:	
LINE LEAK DETECTION TEST DATE: 09/21/1992	
DATE PERMANENTLY CLOSED: R	
PERM CLOSURE ANALYSIS PERFORMED:	10/26/1992
DATE TEMPORARILY CLOSED: 10/26/1992	CLOSURE TYPE: REMOVED

TANK NUMBER: 3	
STORAGE CAPACITY: 2000 GALLONS	SUBSTANCE STORED: DIESEL
TANK TYPE:	PIPE TYPE: FIBERGLASS
DOUBLE WALL TANK: N	
DATE INSTALLED:	
EMERG SPILL ENCLOSURE INSTALLED:	
EMERG OVERFILL ENCLOSURE INSTALLED:	
LAST TIGHTNESS TEST DATE:	
LINE LEAK DETECTION TEST DATE: 09/21/1992	
DATE PERMANENTLY CLOSED: R	
PERM CLOSURE ANALYSIS PERFORMED:	10/26/1992
DATE TEMPORARILY CLOSED: 10/26/1992	CLOSURE TYPE: REMOVED

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

UST

SEARCH ID: 24	DIST/DIR: 0.24 NW	ELEVATION: 547	MAP ID: 8
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NAME: BUSKEYS AUTO ADDRESS: 89 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 0110009 ID2: STATUS: UST PHONE:
--	--

TANK NUMBER: 4 STORAGE CAPACITY: 10000 GALLONS TANK TYPE: DOUBLE WALL TANK: Y DATE INSTALLED: 09/27/1992 EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: 09/27/1992 LINE LEAK DETECTION TEST DATE: DATE PERMANENTLY CLOSED: PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED:	SUBSTANCE STORED: GASOLINE PIPE TYPE: FIBERGLASS CLOSURE TYPE:
---	---

TANK NUMBER: 5A STORAGE CAPACITY: 5000 GALLONS TANK TYPE: DOUBLE WALL TANK: Y DATE INSTALLED: 09/27/1992 EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: 09/27/1992 LINE LEAK DETECTION TEST DATE: DATE PERMANENTLY CLOSED: PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED:	SUBSTANCE STORED: GASOLINE PIPE TYPE: FIBERGLASS CLOSURE TYPE:
---	---

TANK NUMBER: 5B STORAGE CAPACITY: 5000 GALLONS TANK TYPE: DOUBLE WALL TANK: Y DATE INSTALLED: 09/27/1992 EMERG SPILL ENCLOSURE INSTALLED: EMERG OVERFILL ENCLOSURE INSTALLED: LAST TIGHTNESS TEST DATE: 09/27/1992 LINE LEAK DETECTION TEST DATE: DATE PERMANENTLY CLOSED: PERM CLOSURE ANALYSIS PERFORMED: DATE TEMPORARILY CLOSED:	SUBSTANCE STORED: DIESEL PIPE TYPE: FIBERGLASS CLOSURE TYPE:
---	---

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

SPILLS

SEARCH ID: 19	DIST/DIR: 0.24 NW	ELEVATION: 547	MAP ID: 8
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NAME: ASHALND ECCO ADDRESS: 89 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE:	REV: 7/12/01 ID1: 00-13 ID2: I-30 STATUS: TRAN PHONE:
---	--

DATE OF SPILL: 1/26/00 CHEMICAL SPILLED: GASOLINE AMOUNT SPILLED: 17 GALLONS	TIME OF SPILL: HAZARD: FLAMMABLE TYPE OF SITE: TRAN
---	--

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 31 **DIST/DIR:** 0.24 NW **ELEVATION:** 547 **MAP ID:** 8

NAME: BUSKEYS AUTO
ADDRESS: 89 MAIN ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 199301002
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 31 **DIST/DIR:** 0.24 NW **ELEVATION:** 547 **MAP ID:** 8

NAME: BUSKEYS AUTO **REV:** 9/27/10
ADDRESS: 89 MAIN ST **ID1:** 199301002
ASHLAND NH **ID2:**
GRAFTON **STATUS:** CLOSED
CONTACT: **PHONE:**
SOURCE: NHDES

RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 31 **DIST/DIR:** 0.24 NW **ELEVATION:** 547 **MAP ID:** 8

NAME: BUSKEYS AUTO
ADDRESS: 89 MAIN ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 199301002
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY: WLP: 3
RISK LEVEL: RISK LEVEL: 8
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 0
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 8 NO SOURCES/ NO AGQ VIOLATIONS - REME
PROJECT MANAGER: CLOSED
PROJECT TYPE: LUST

SITE INFORMATION

- More Details Exist For This Site; Max Page Limit Reached -

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

SPILLS							
SEARCH ID: 20	DIST/DIR: 0.24 NW	ELEVATION: 547	MAP ID: 8				
<table style="width: 100%; border: none;"><tr><td style="width: 50%; vertical-align: top;">NAME: BUSKEYS AUTO ADDRESS: 89 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES</td><td style="width: 50%; vertical-align: top;">REV: 9/27/10 ID1: 199301002 ID2: STATUS: CLOSED PHONE:</td></tr></table>				NAME: BUSKEYS AUTO ADDRESS: 89 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 199301002 ID2: STATUS: CLOSED PHONE:		
NAME: BUSKEYS AUTO ADDRESS: 89 MAIN ST ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 199301002 ID2: STATUS: CLOSED PHONE:						
<table style="width: 100%; border: none;"><tr><td style="width: 50%; vertical-align: top;">PERMITS: 0 PROJECT TYPE: SPILL/RLS PROJECT MANAGER: CLOSED</td><td style="width: 50%;"></td></tr><tr><td style="width: 50%; vertical-align: top;">PERMITS: 0 PROJECT TYPE: SPILL/RLS PROJECT MANAGER: CLOSED</td><td style="width: 50%;"></td></tr></table>				PERMITS: 0 PROJECT TYPE: SPILL/RLS PROJECT MANAGER: CLOSED		PERMITS: 0 PROJECT TYPE: SPILL/RLS PROJECT MANAGER: CLOSED	
PERMITS: 0 PROJECT TYPE: SPILL/RLS PROJECT MANAGER: CLOSED							
PERMITS: 0 PROJECT TYPE: SPILL/RLS PROJECT MANAGER: CLOSED							

**Environmental FirstSearch
Site Detail Report**

Target Property: ASHLAND NH 03217

JOB: 10001086

RCRANLR

SEARCH ID: 8	DIST/DIR: 0.25 NW	ELEVATION: 594	MAP ID: 9
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NAME: ASHLAND TOWN OF
ADDRESS: 10 HIGHLAND ST
ASHLAND NH 03217

REV: 11/10/10
ID1: NHD510154644
ID2:
STATUS: NLR
PHONE:

CONTACT:
SOURCE: EPA

SITE INFORMATION

CONTACT INFORMATION: MARK OBER
10 HIGHLAND ST
ASHLAND NH 03217

PHONE: 6039684432

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 30 **DIST/DIR:** 0.34 SW **ELEVATION:** 521 **MAP ID:** 10

NAME: ASHLAND ELECTRIC DEPT.
ADDRESS: COLLINS ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 199910001
ID2:
STATUS: RICHARDS
PHONE:

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 30 **DIST/DIR:** 0.34 SW **ELEVATION:** 521 **MAP ID:** 10

NAME: ASHLAND ELECTRIC DEPT.
ADDRESS: COLLINS ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 199910001
ID2:
STATUS: RICHARDS
PHONE:

RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL:
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

- Continued on next page -

Environmental FirstSearch

Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

LUST

SEARCH ID: 30 **DIST/DIR:** 0.34 SW **ELEVATION:** 521 **MAP ID:** 10

NAME: ASHLAND ELECTRIC DEPT.
ADDRESS: COLLINS ST
ASHLAND NH
GRAFTON
CONTACT:
SOURCE: NHDES

REV: 9/27/10
ID1: 199910001
ID2:
STATUS: RICHARDS
PHONE:

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY: WLP: 2
RISK LEVEL: RISK LEVEL: 3
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 2
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

PERMITS: 1
WORKLOAD PRIORITY:
RISK LEVEL: RISK LEVEL: 3 FREE PRODUCT OR HIGH LEVEL SOURCE PR
PROJECT MANAGER: RICHARDS
PROJECT TYPE: LUST

SITE INFORMATION

- More Details Exist For This Site; Max Page Limit Reached -

Environmental FirstSearch
Site Detail Report

Target Property: ASHLAND NH 03217

JOB: 10001086

SWL

SEARCH ID: 22 **DIST/DIR:** 0.37 SW **ELEVATION:** **MAP ID:** 11

NAME: ASHLAND LANDFILL
ADDRESS: OFF COLLINS ST
ASHLAND NH

REV: 05/01/99
ID1: 010-870520
ID2:
STATUS:
PHONE:

CONTACT:
SOURCE:

SITE TYPE: MSW **SITE REVISION DATE:** 01-26-98
ASSIGNMENT TYPE:
SIZE IN ACRES: **ASSIGNMENT DATE:**
CLOSE DATE: 5YRS **LINER?:**

OWNER: TOWN OF ASHLAND
OWNER ADDRESS: 10 HIGHLAND ST
ASHLAND NH 03217

OWNER TYPE:

OWNER CONTACT:

OWNER PHONE:

OPERATOR:
OPERATOR CONTACT:

OPERATOR TYPE:
OPERATOR PHONE:

STATE

SEARCH ID: 18 **DIST/DIR:** 0.70 NE **ELEVATION:** 612 **MAP ID:** 12

NAME: NEW HAMPSHIRE LAUNDRY MACHINERY
ADDRESS: 61 THOMPSON ST
ASHLAND NH
GRAFTON

REV: 9/27/10
ID1: 199906042
ID2:
STATUS: GW HAZ INV - CLOSED
PHONE:

CONTACT:
SOURCE: NH DES

PERMITS: 0
PROJECT TYPE: HAZARDOUS
PROJECT MANAGER: CLOSED

***Environmental FirstSearch
Site Detail Report***

Target Property: ASHLAND NH 03217

JOB: 10001086

STATE

SEARCH ID: 16	DIST/DIR: 0.91 NW	ELEVATION: 488	MAP ID: 13
----------------------	--------------------------	-----------------------	-------------------

NAME: ASHLAND I-93 EXIT 24 CONTAMINATION ADDRESS: I-93 ASHLAND NH GRAFTON CONTACT: SOURCE: NH DES	REV: 9/27/10 ID1: 199501025 ID2: STATUS: GW HAZ INV - CLOSED PHONE:
--	--

PERMITS: 0 PROJECT TYPE: HAZARDOUS PROJECT MANAGER: CLOSED	
---	--

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

Target Property: ASHLAND NH 03217

JOB: 10001086

Street Name	Dist/Dir	Street Name	Dist/Dir
Carr Ave	0.11 SE		
Church St	0.12 SW		
Cottage Place Rd	0.19 NW		
Daniel Webster Hwy	0.12 NE		
Depot St	0.07 NE		
Education Dr	0.23 NW		
Elm St	0.09 SW		
Glove St	0.12 SW		
Gordon St	0.14 NW		
High St	0.19 NE		
Highland St	0.13 NW		
Hill Ave	0.06 NW		
Hill St	0.04 NW		
Main St	0.12 NE		
Mechanic Rd	0.05 NE		
Mechanic St	0.12 NE		
Mill Pond Ln	0.15 SW		
Mill St	0.05 SE		
Murray St	0.08 SW		
Parkway	0.05 SE		
Pleasant St	0.06 NW		
Potter Pl	0.22 NE		
Reed St	0.20 SW		
Riverside Dr	0.12 NE		
S Main St	0.07 NE		
School St	0.19 NW		
Short St	0.10 SE		
State Route 132	0.05 SE		
Thompson St	0.13 NE		
United States Highwa	0.12 NE		
Washington St	0.10 SE		
Winona Rd	0.11 SE		
Winter St	0.13 NW		

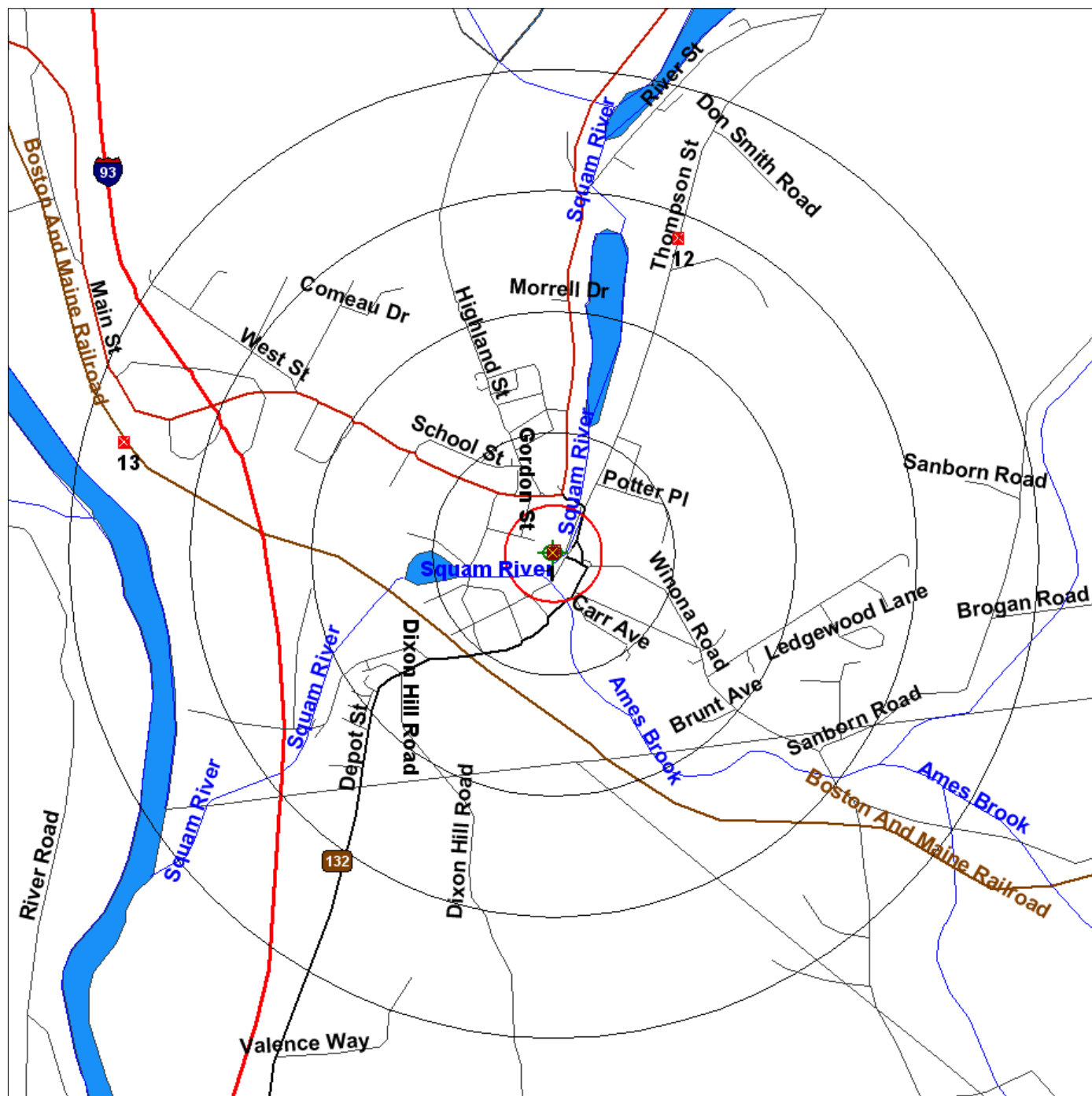


Environmental FirstSearch

1 Mile Radius
ASTM Map: NPL, RCRCOR, STATE Sites



, ASHLAND NH 03217



Source: 2005 U.S. Census TIGER Files

Target Site (Latitude: 43.693861 Longitude: -71.631674)
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
Railroads
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



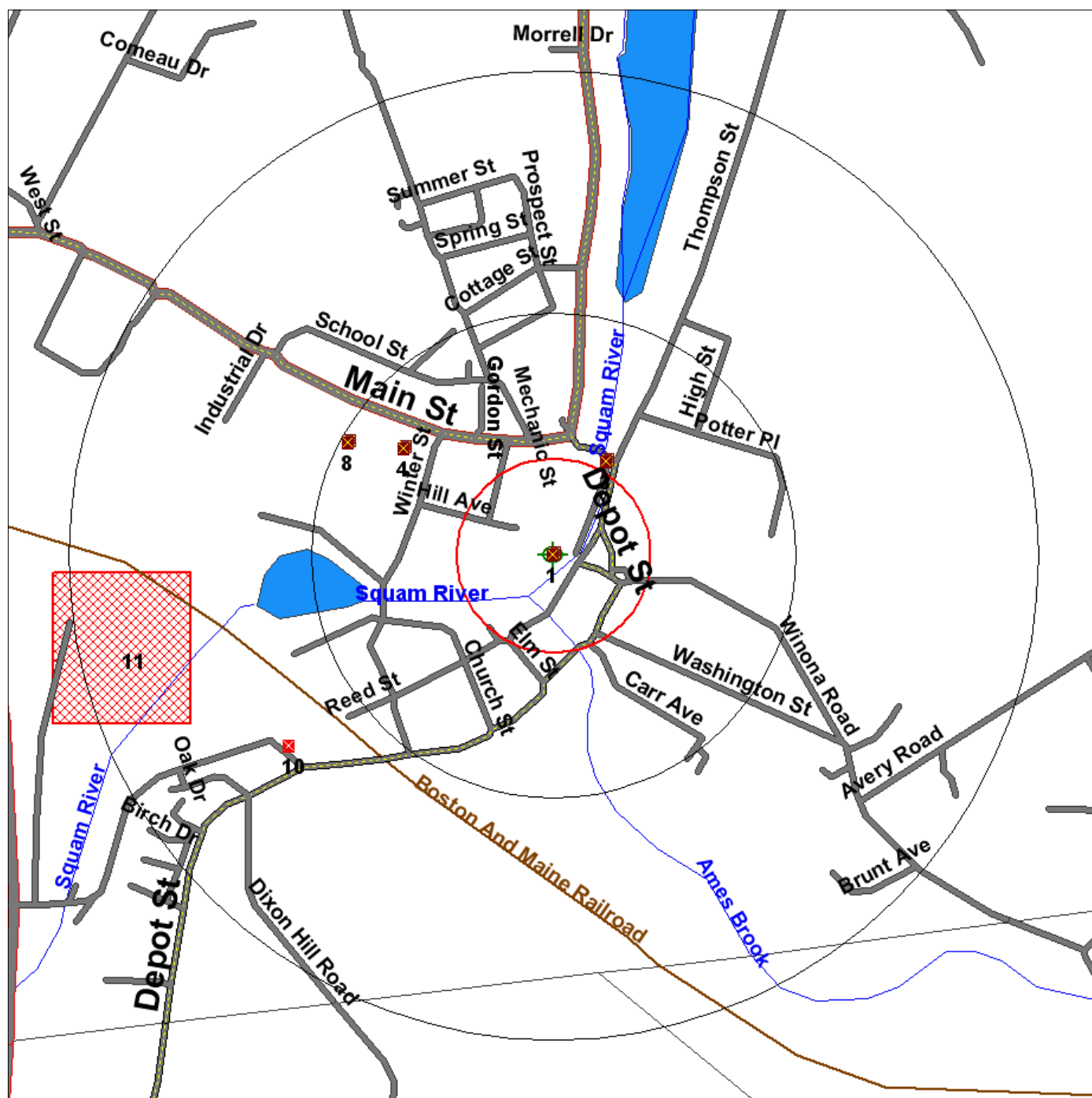


Environmental FirstSearch

.5 Mile Radius
ASTM Map: CERCLIS, RCRATSD, LUST, SWL



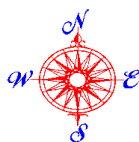
, ASHLAND NH 03217



Source: 2005 U.S. Census TIGER Files

Target Site (Latitude: 43.693861 Longitude: -71.631674)
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
Railroads
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





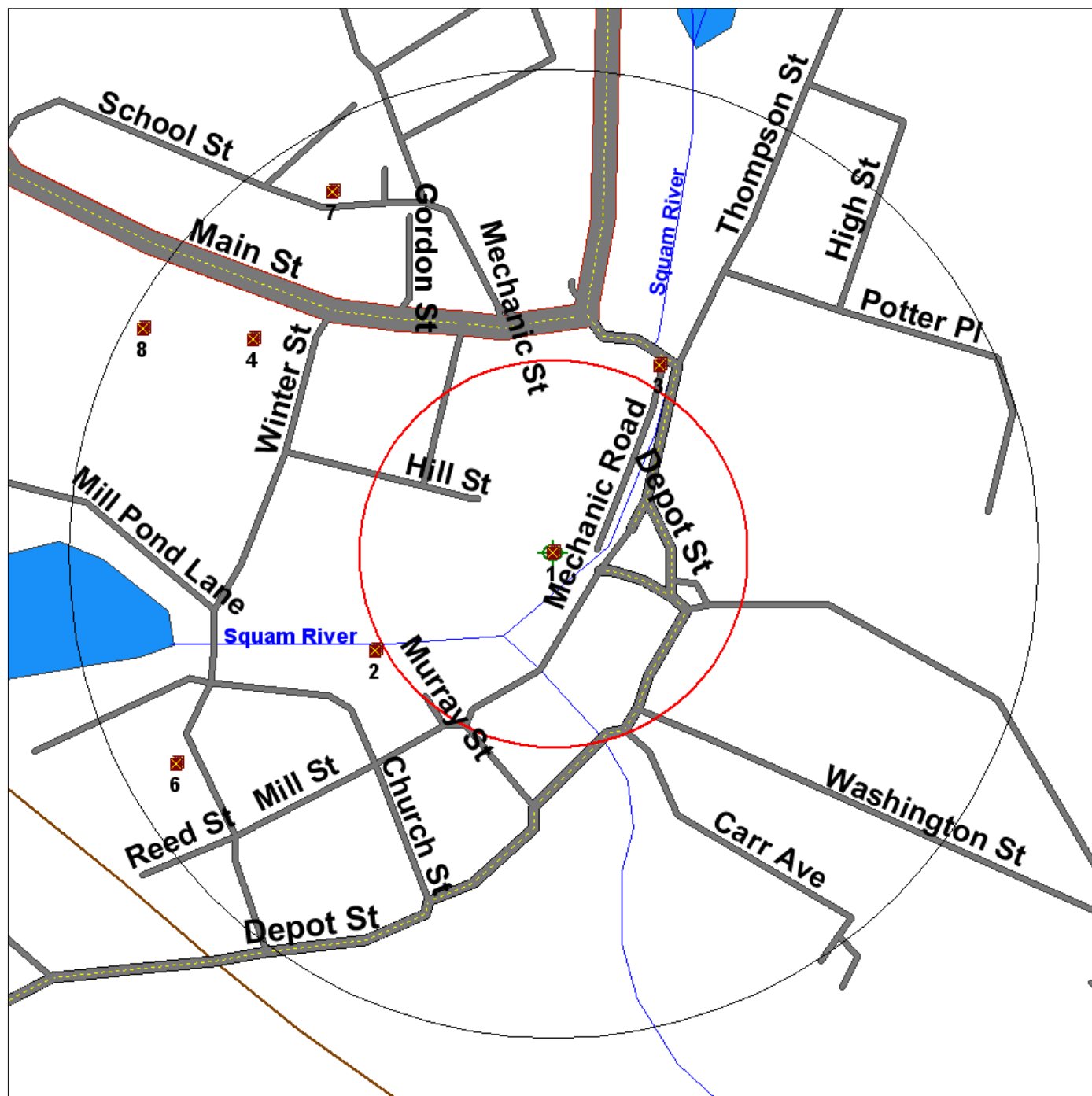
Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRAGEN, ERNS, UST, FED IC/EC, METH LABS



, ASHLAND NH 03217



Source: 2005 U.S. Census TIGER Files

Target Site (Latitude: 43.693861 Longitude: -71.631674)
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
Railroads
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



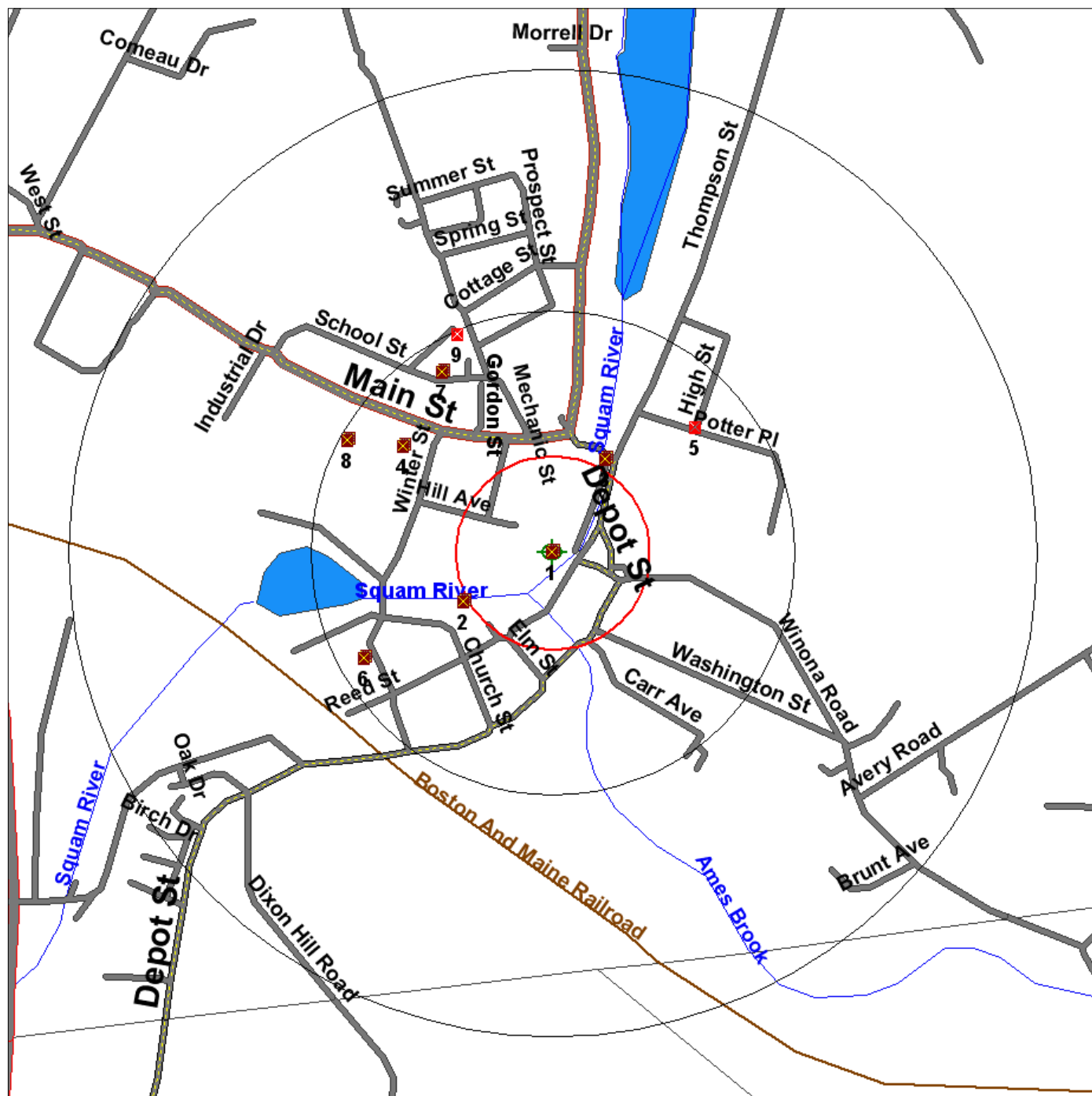


Environmental FirstSearch

.5 Mile Radius
Non-ASTM Map: Multiple Databases



, ASHLAND NH 03217



Source: 2005 U.S. Census TIGER Files

Target Site (Latitude: 43.693861 Longitude: -71.631674)
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
National Historic Sites and Landmark Sites
Railroads
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





FIRE INSURANCE MAP ABSTRACT RESEARCH RESULTS

10/28/2010

10001086

**6 MILL ST
ASHLAND, NH 03217**

Listed below, please find the results of our search for historic fire insurance maps, performed in conjunction with your Environmental FirstSearch® report.

State	City	Date	Volume	Sheet Number(s)
New Hampshire	Ashland	1946	none	INDEX, 4, 6
New Hampshire	Ashland	1929	none	INDEX, 4, 6
New Hampshire	Ashland	1923	none	4, 6
New Hampshire	Ashland	1912	none	1, 4
New Hampshire	Ashland	1902	none	1, 2
New Hampshire	Ashland	1897	none	1, 2
New Hampshire	Ashland	1892	none	1, 2

This abstract is the result of a visual inspection of various Sanborn® Map collections. Supporting documentation follows in the Appendix. Use of this material is meant for research purposes only.

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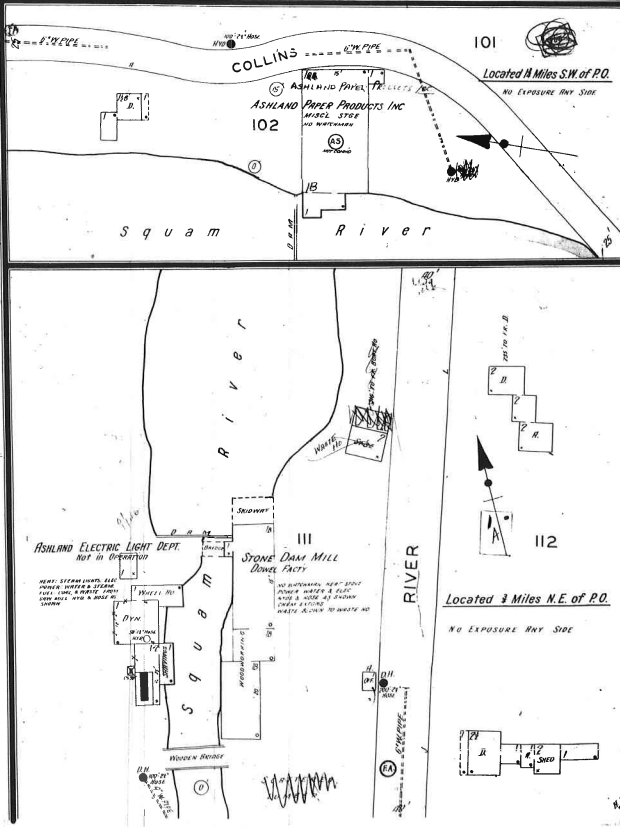
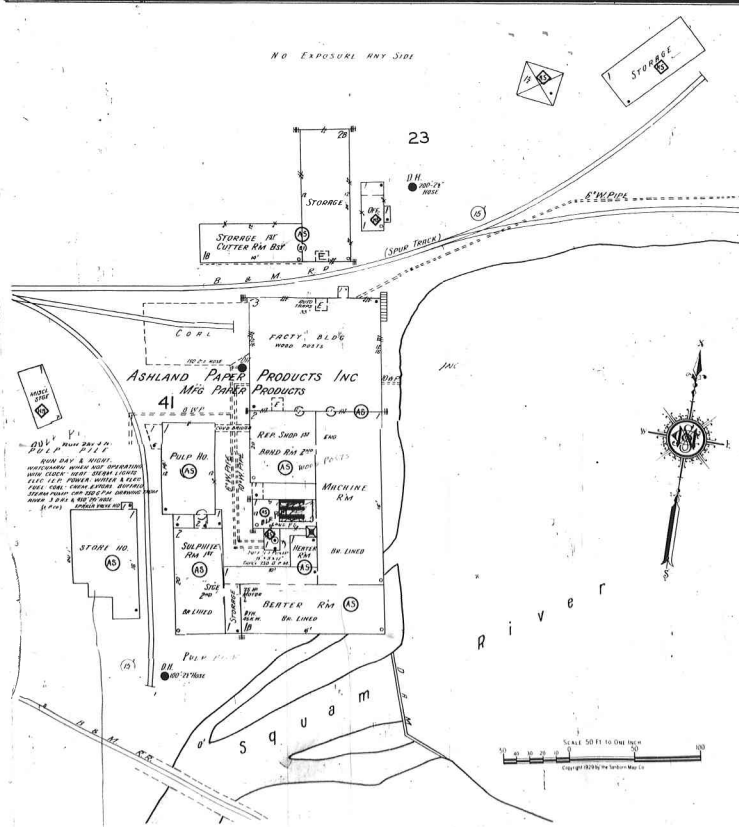
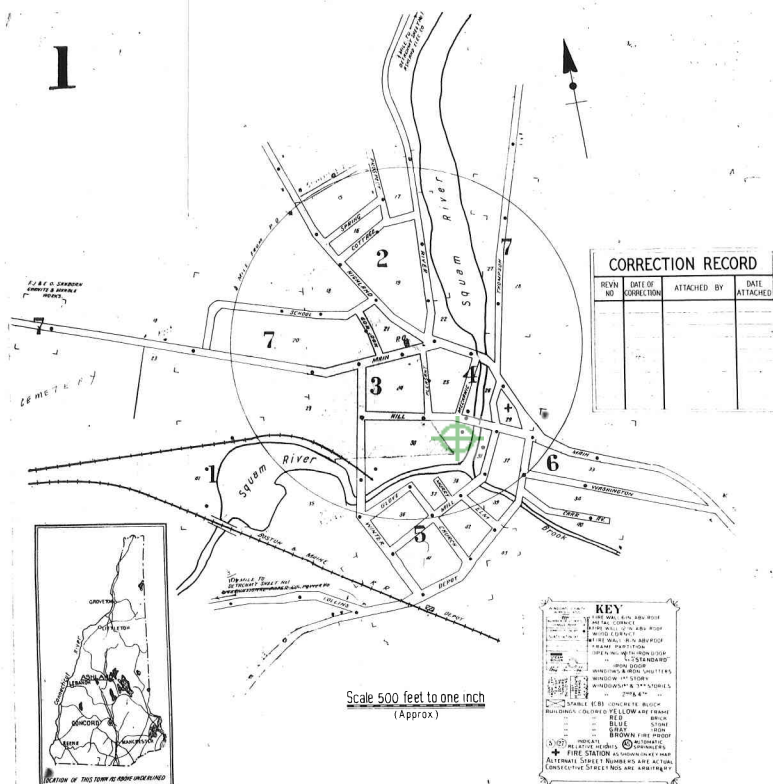
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FirstSearch Technology Corporation

***10 Cottage Street, Norwood, MA 02062
Tel: 781-551-0470 Fax: 781-551-0471***

Appendix

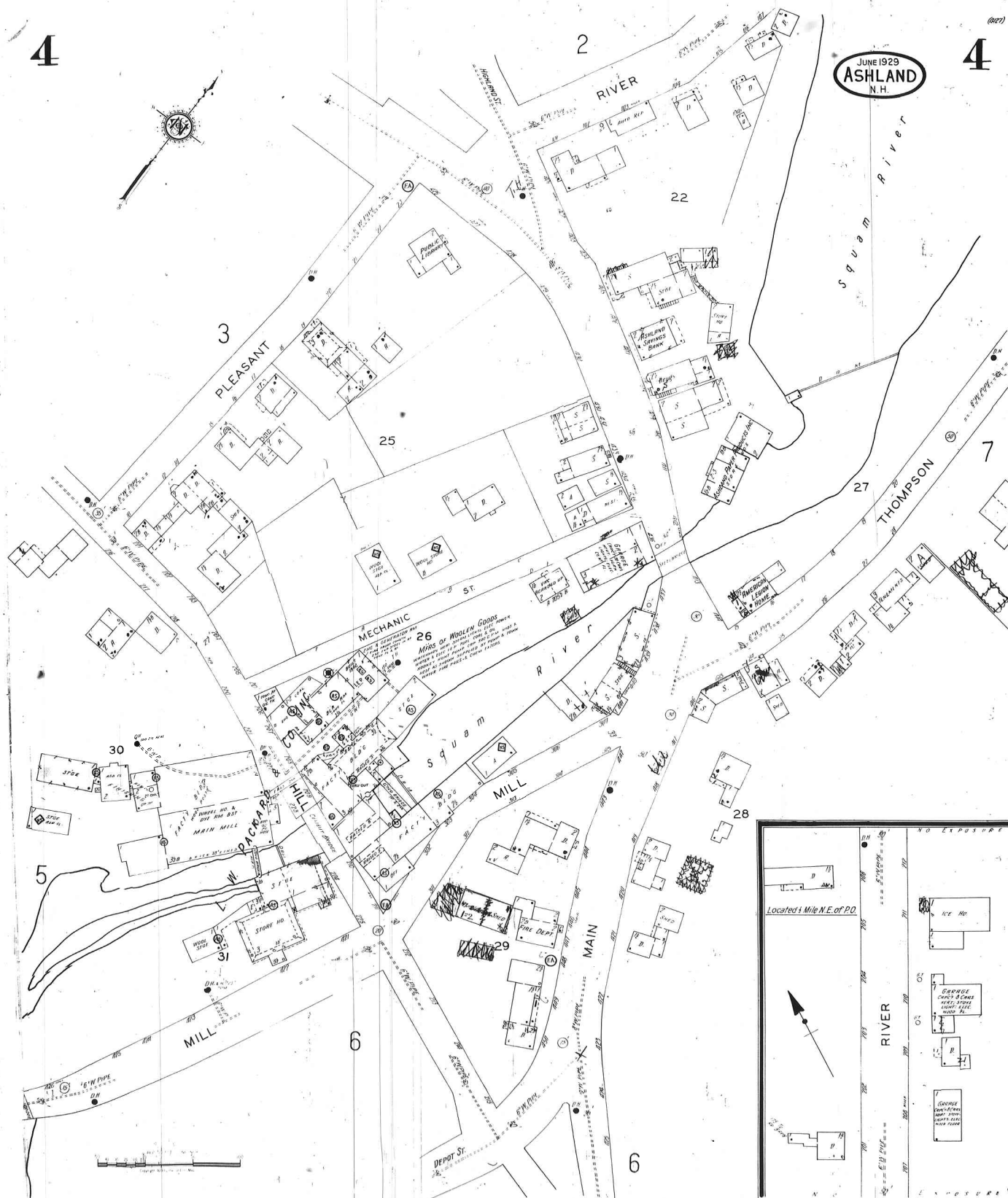
Supporting Documentation

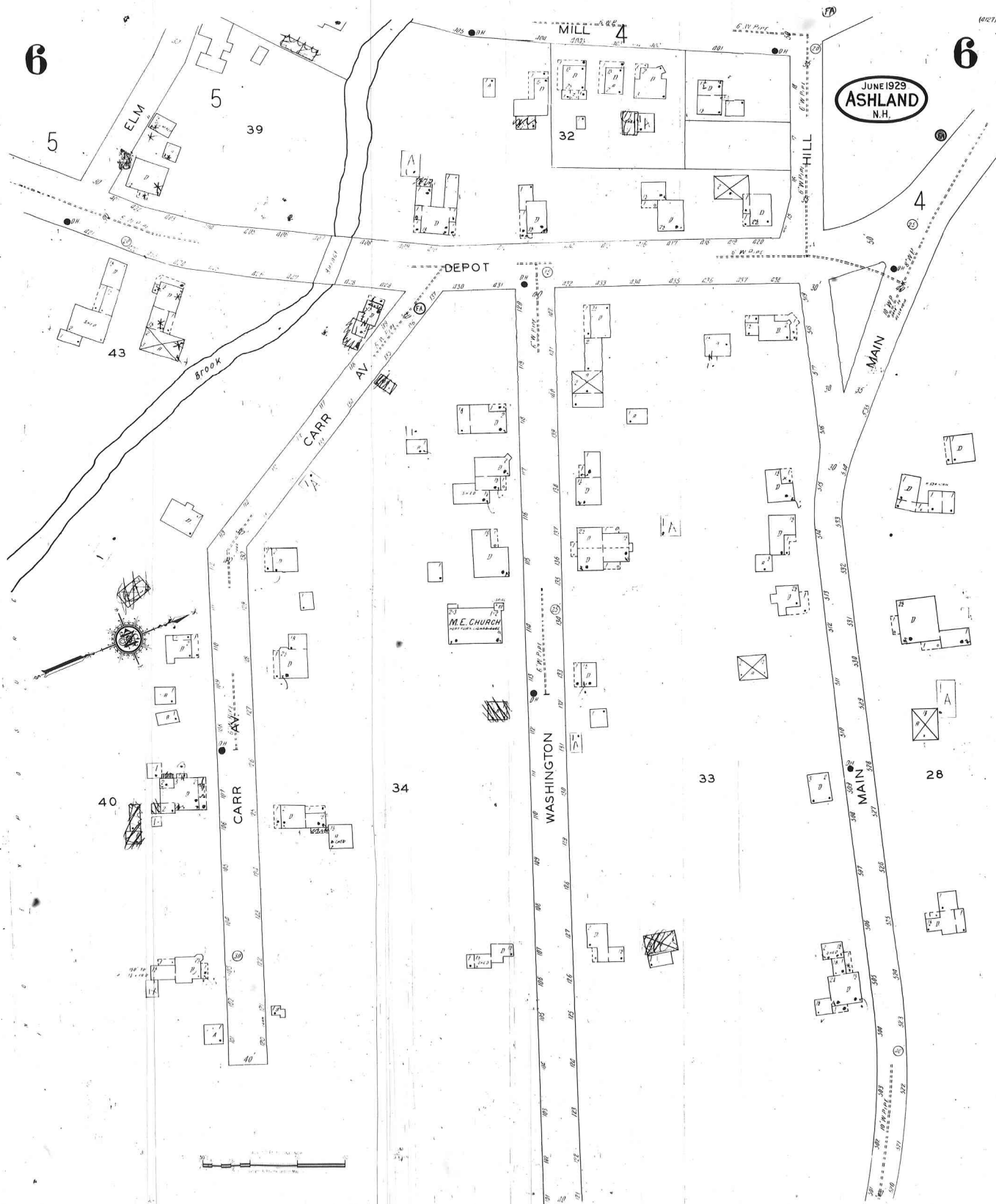


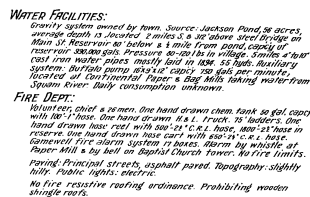
4

2

4

JUNE 1929
ASHLAND
N.H.

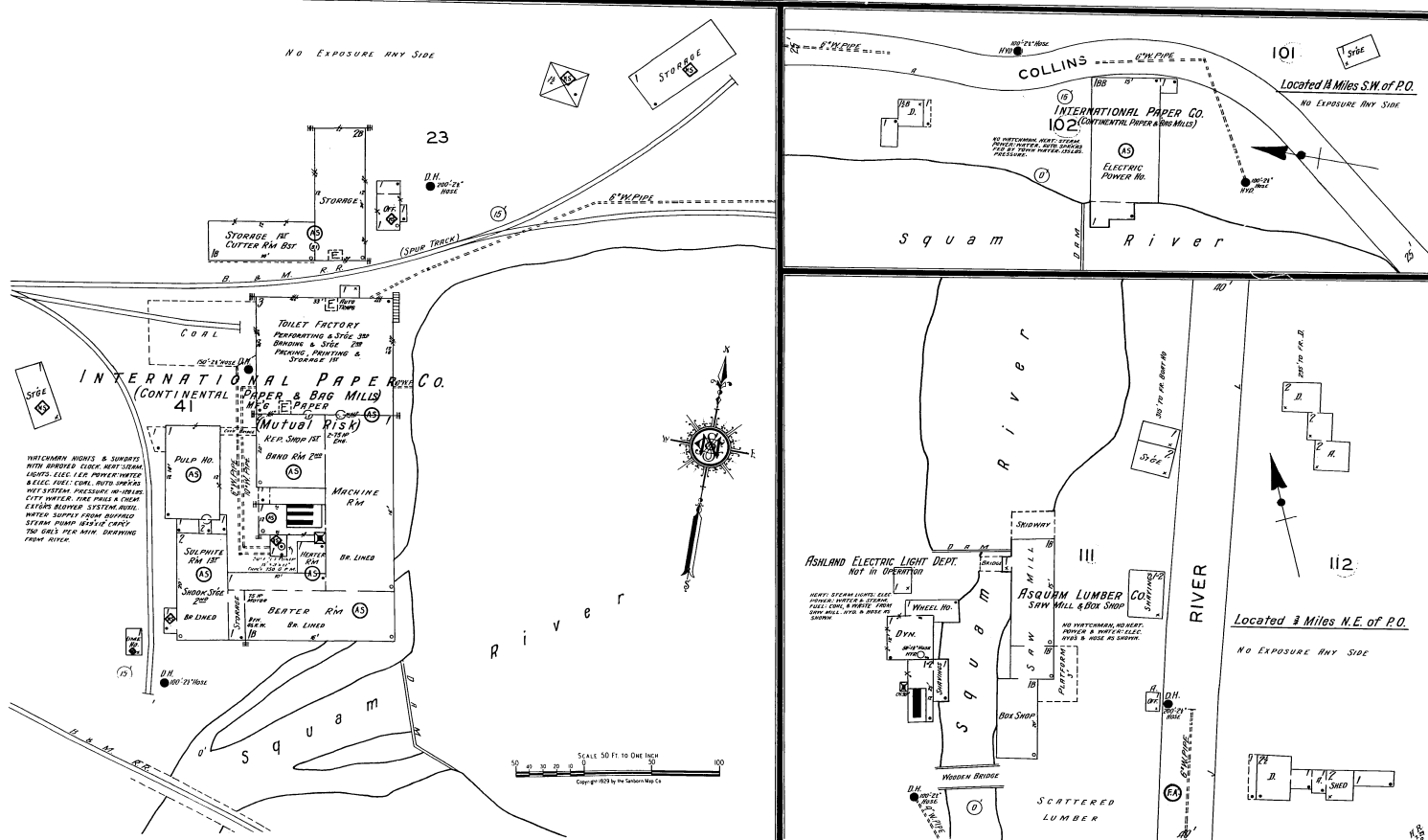


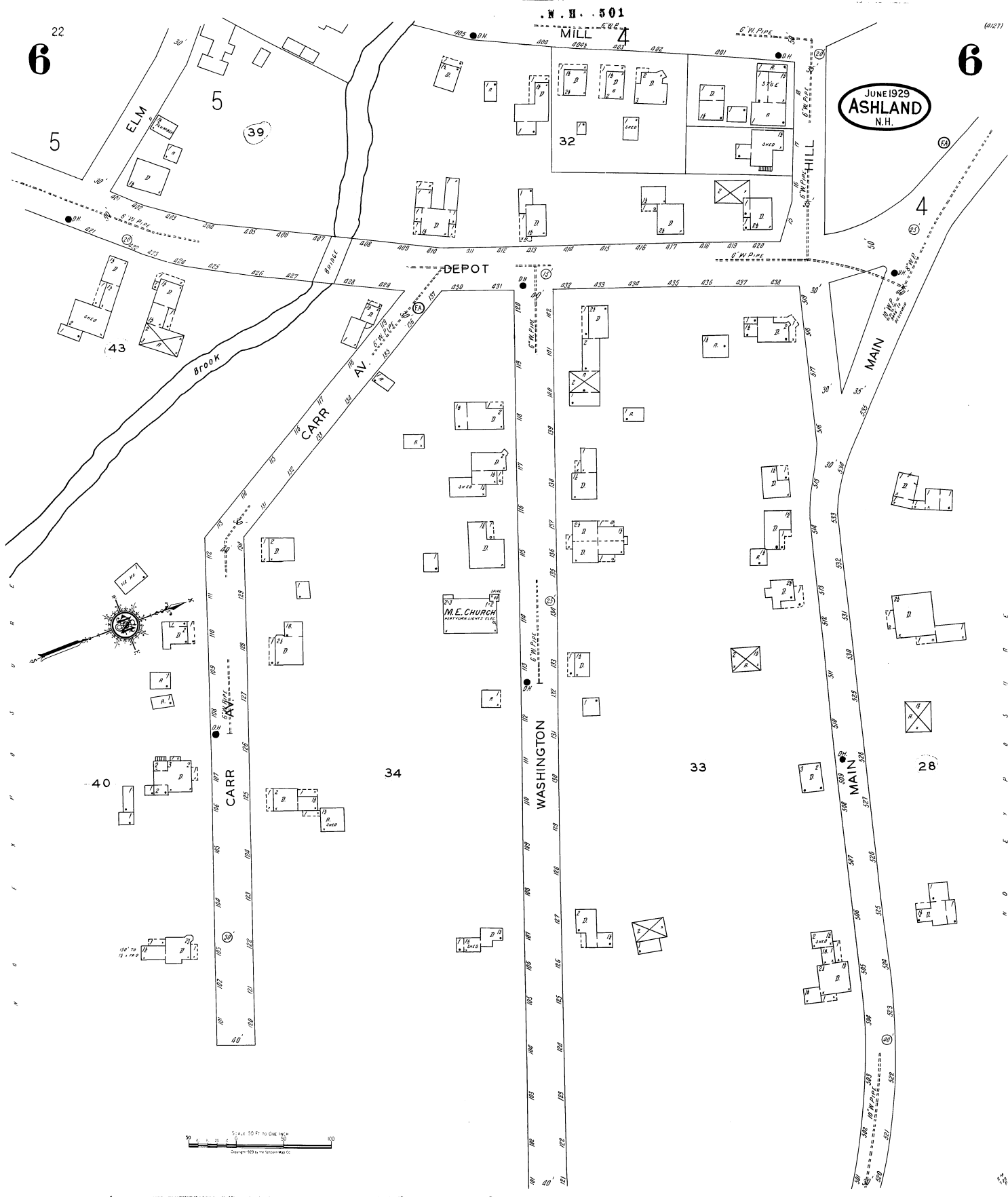


STREETS		ASSESS	ASSESS		ASSESS
Carr Ave.,	C	6	River,	R	2
Church,		6	" 15-45		2
Collins,		6	" 101-212		4
Cottage,		2	" near Asquam Lumber Co.		1
		2	" Roby Place (arbitrary).		1
Depot,	D	311-337 5	School,	S	3
		401-438 6	" 15-38		3
			" 109-1134		2
Elm,	E	5 & 6	Spring,		2
			" 201-214		2
			" 5 & 6		1
Glove,	G	5	Thompson,	T	3
Gordon,		3	" 15-38		7
			" 201-248		7
Highland,	H	301-306 3	Washington,	W	6
		401-443 2	Winter,		3
Hill,		15-35 3	" 201-240		6
		201-225 4	" 301-324		3
			" Public Office,		4
			" Public Library,		2
Main,	M	102-144 3			3
"		201-234 7			2
"		401-450 5			3
"		601-535 6			3
"		601-696 7			3
Mechanic,		302-515 4			3
Mill,		401-485 2			2
Murry,		407-443 4 & 5			3
					3
Pleasant,		1-11 3			5
		10-23 2			2
Prospect,					5

NOTE.—House Numbers given are arbitrary.

NOTE.—House Numbers given are arbitrary



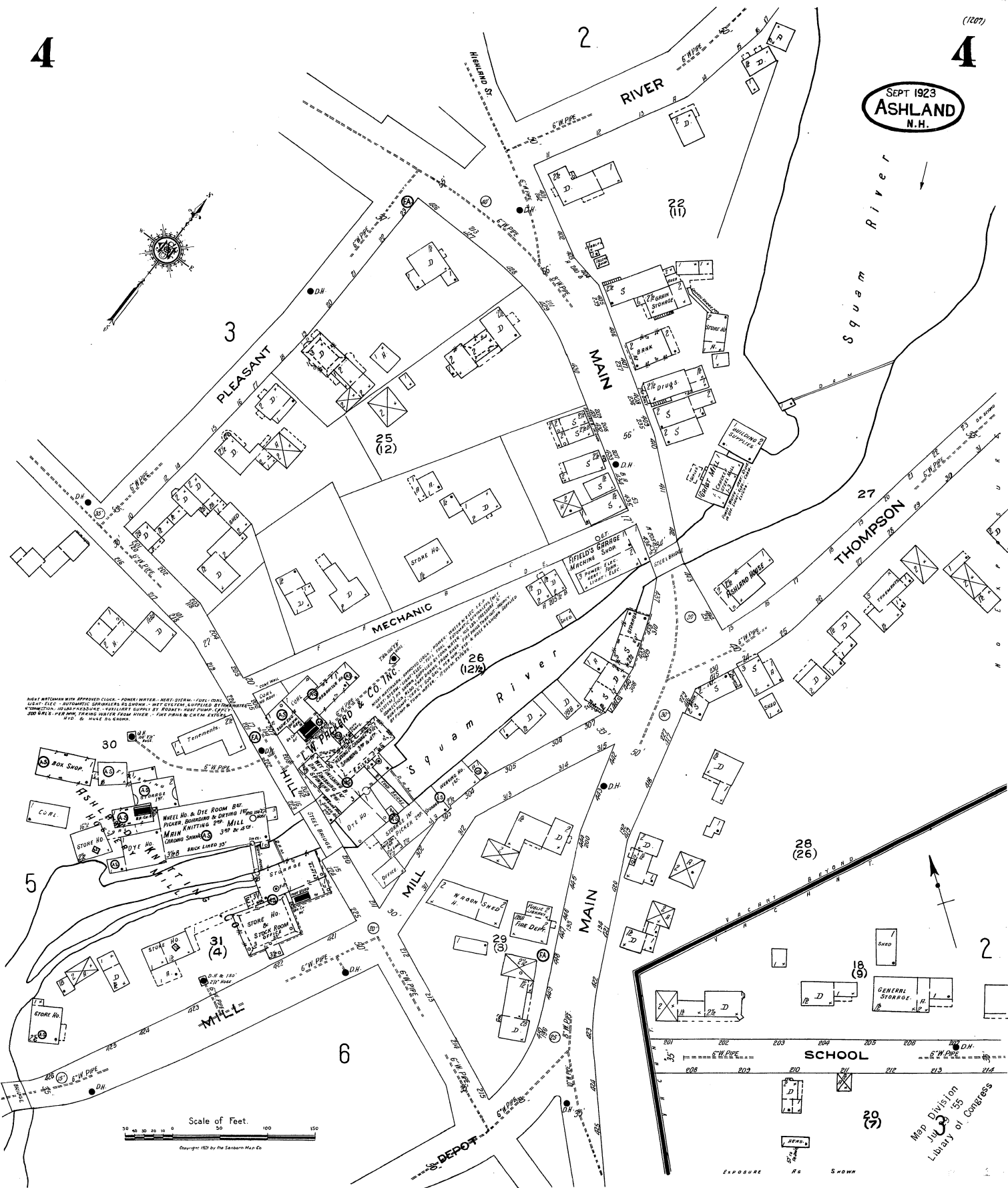


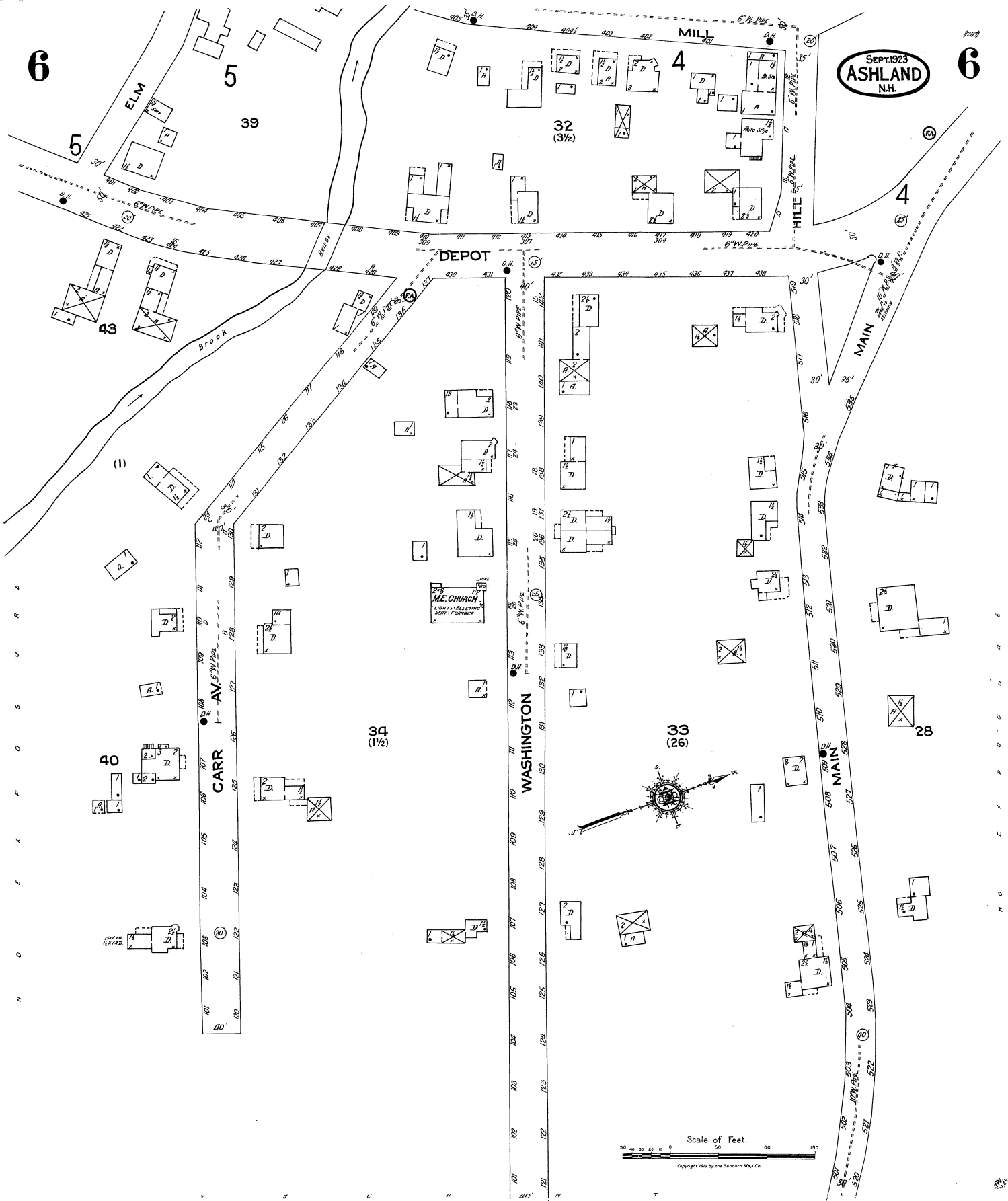
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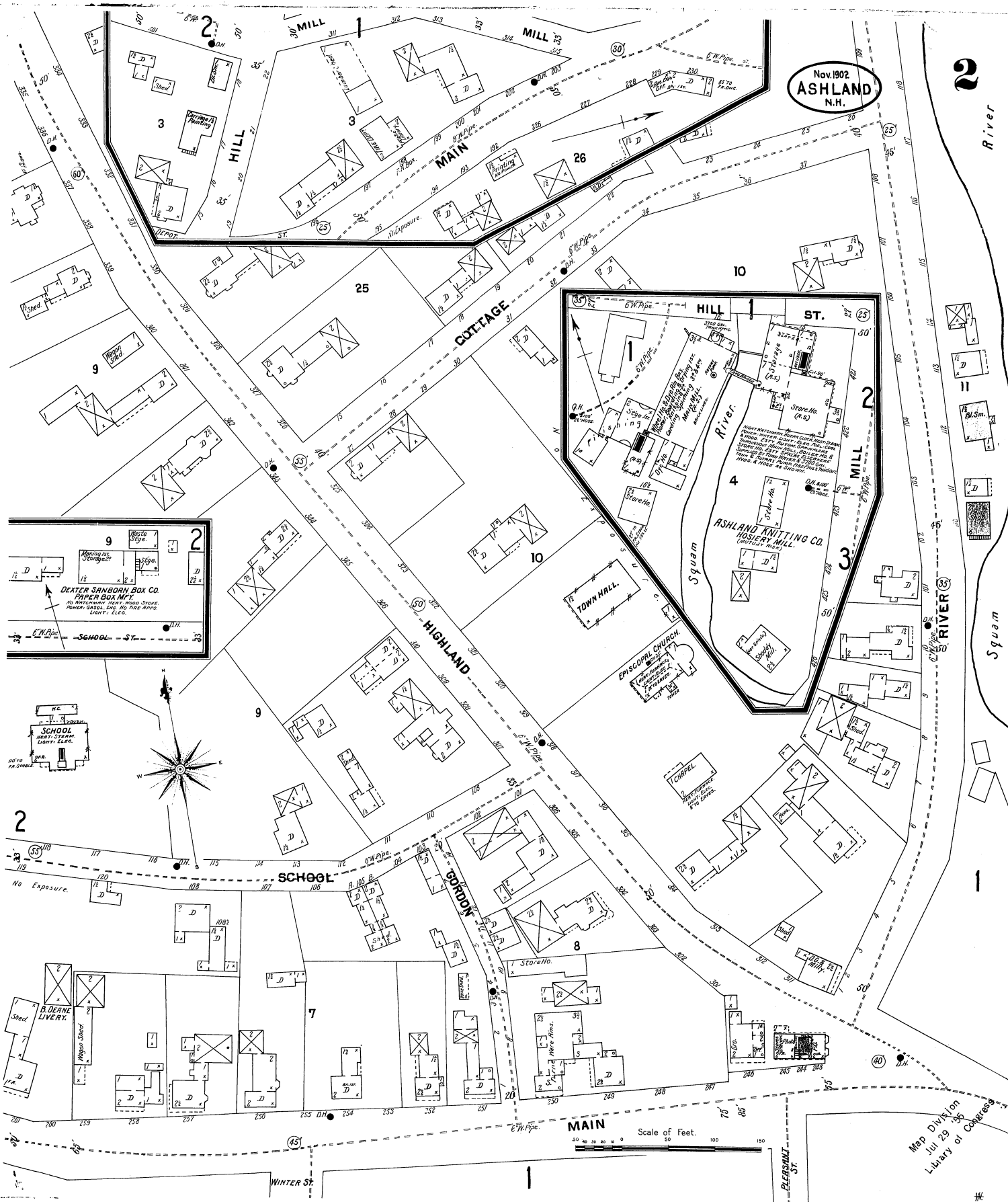
2

4

SEPT 1923
ASHLAND
N.H.







Nov. 1902
ASHLAND
N.H.

2

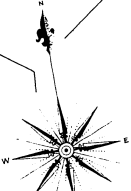
River

Squam

1

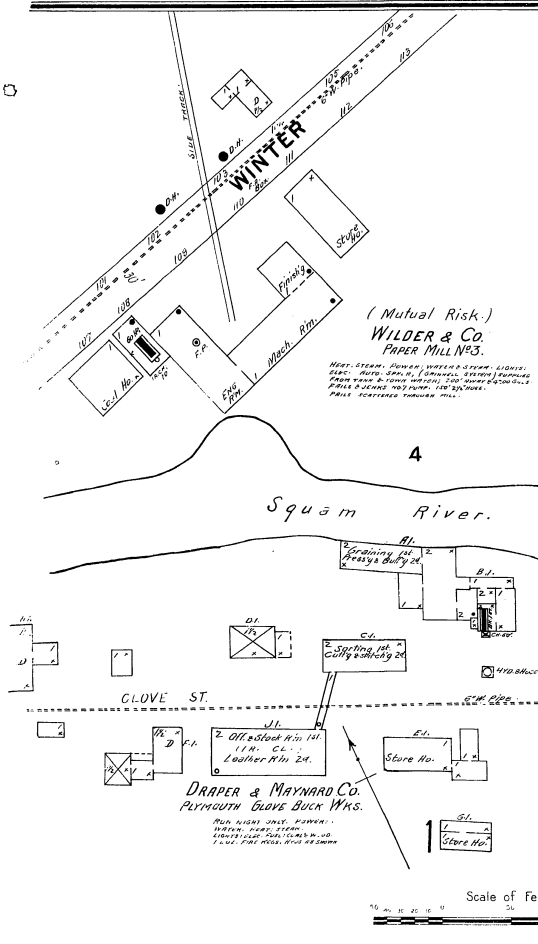
9 2
Dexter Sanborn Box Co.
Paper Box Mfg.
No Machinery, Heat, Wood, Stone,
Power, Gasol. Eng. No Fire Arms,
Light, E.L.C.

SCHOOL
HEAT, STEAM,
LIGHT, E.L.C.



Scale of Feet.
0 50 100 150

Map Division
Jul 29 1906
Library of Congress







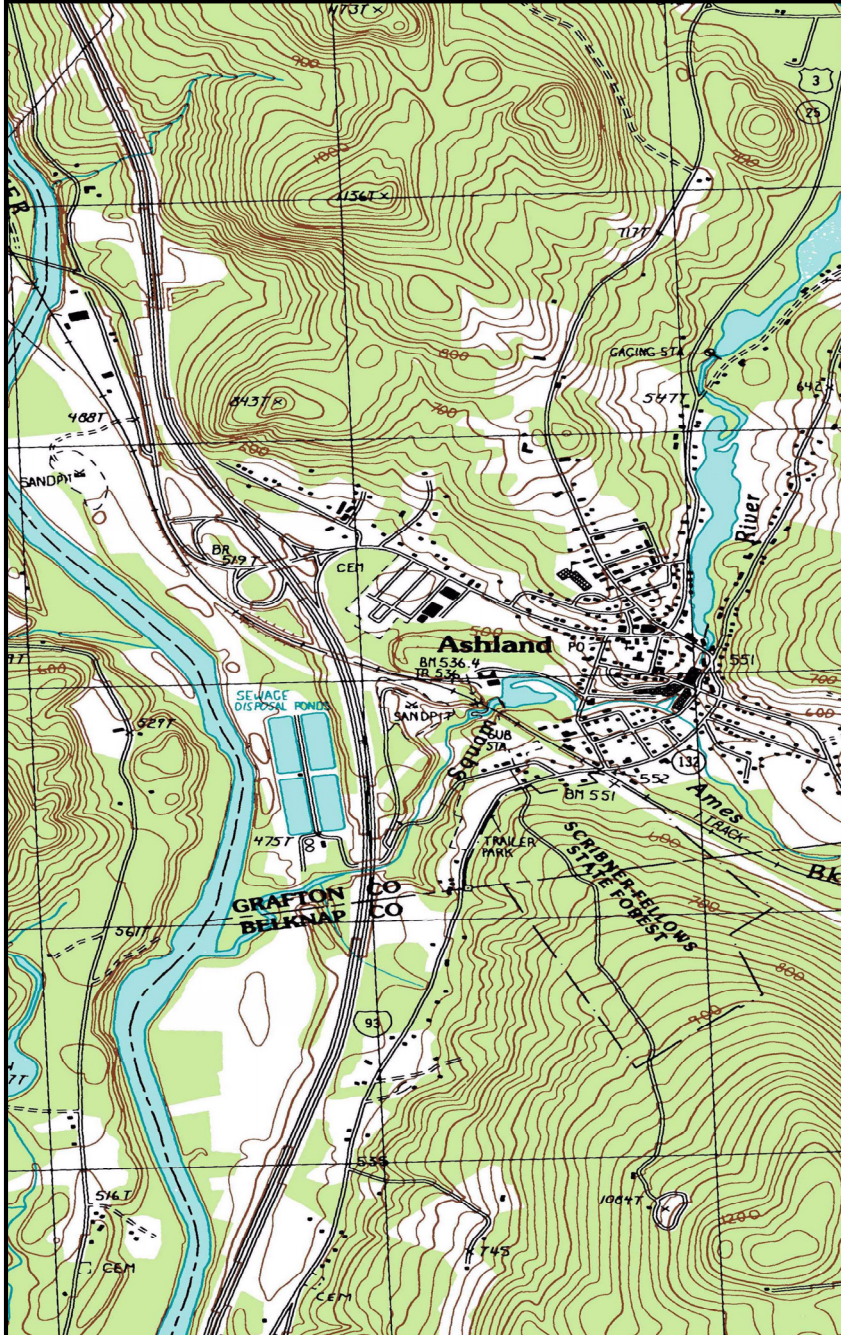
Environmental FirstSearch

Historical Topographic Map

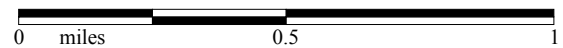


Quad Name: Ashland, NH
Year: 2000 Original Map Scale: 1: 24000

6 MILL ST, ASHLAND, NH



Job Number: 10001086
Target Site: -71.631274, 43.693783



Building	■ ■ ■ ■ ■	Railroad	—+—+—+—
Topo Contour	—6000—	Tanks	● ● ● ● ●
Depression	—()—	Primary Highway	—
Quarry or Open Pit Mine	⊗	Trail	- - - - -



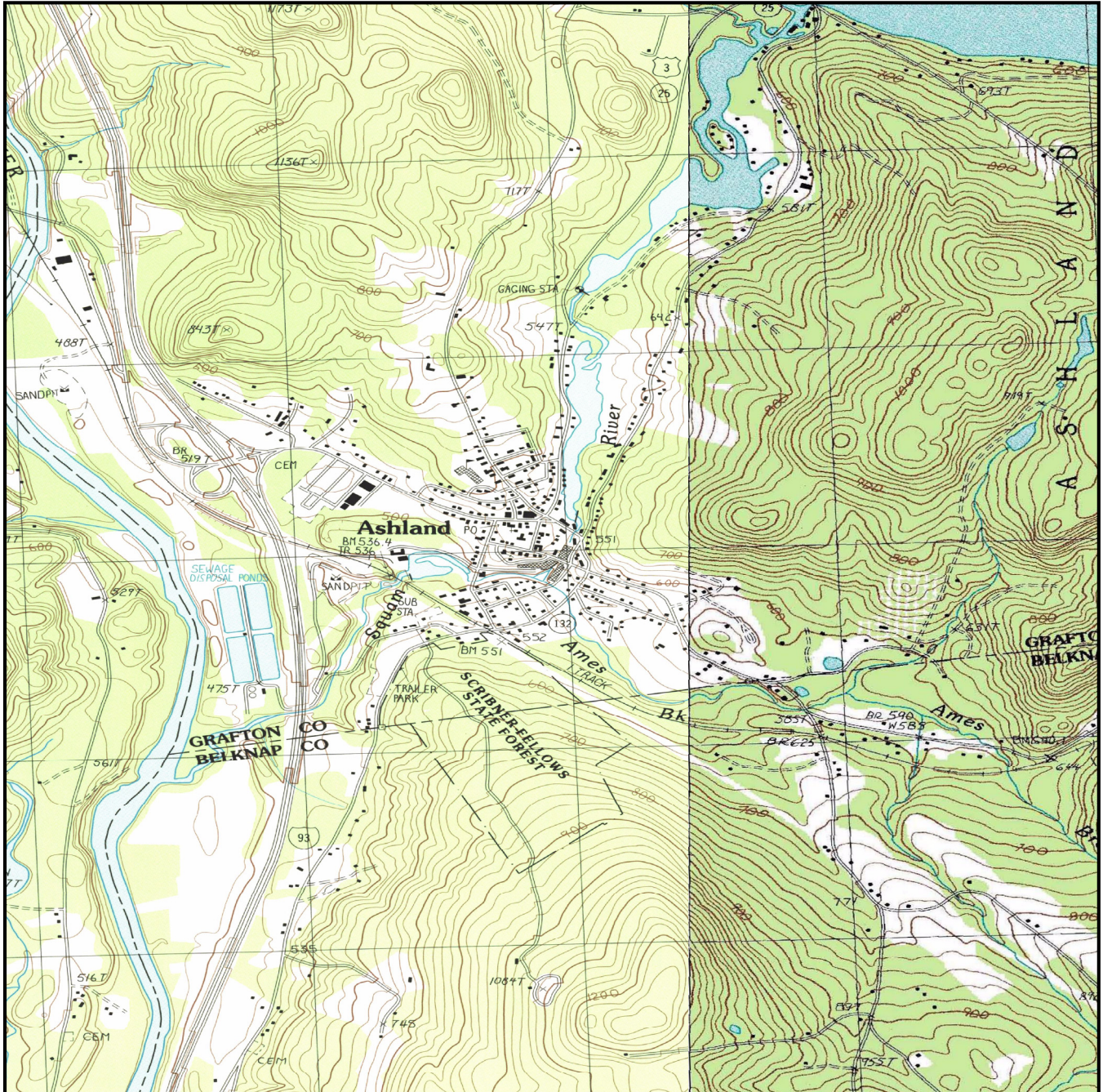
Environmental FirstSearch

Historical Topographic Map



Quad Name: Ashland, NH
Year: 1987 Original Map Scale: 1: 24000

6 MILL ST, ASHLAND, NH



Job Number: 10001086
Target Site: -71.631274, 43.693783

E Quad Name: Holderness, NH
Year: 1987 Original Map Scale: 1: 24000

0 miles 0.5 1

Building	■ ■ ■ ■ ■	Railroad	—+—+—+—
Topo Contour	—6000—	Tanks	● ● ● ●
Depression	—()—	Primary Highway	—
Quarry or Open Pit Mine	⊗	Trail	- - - - -



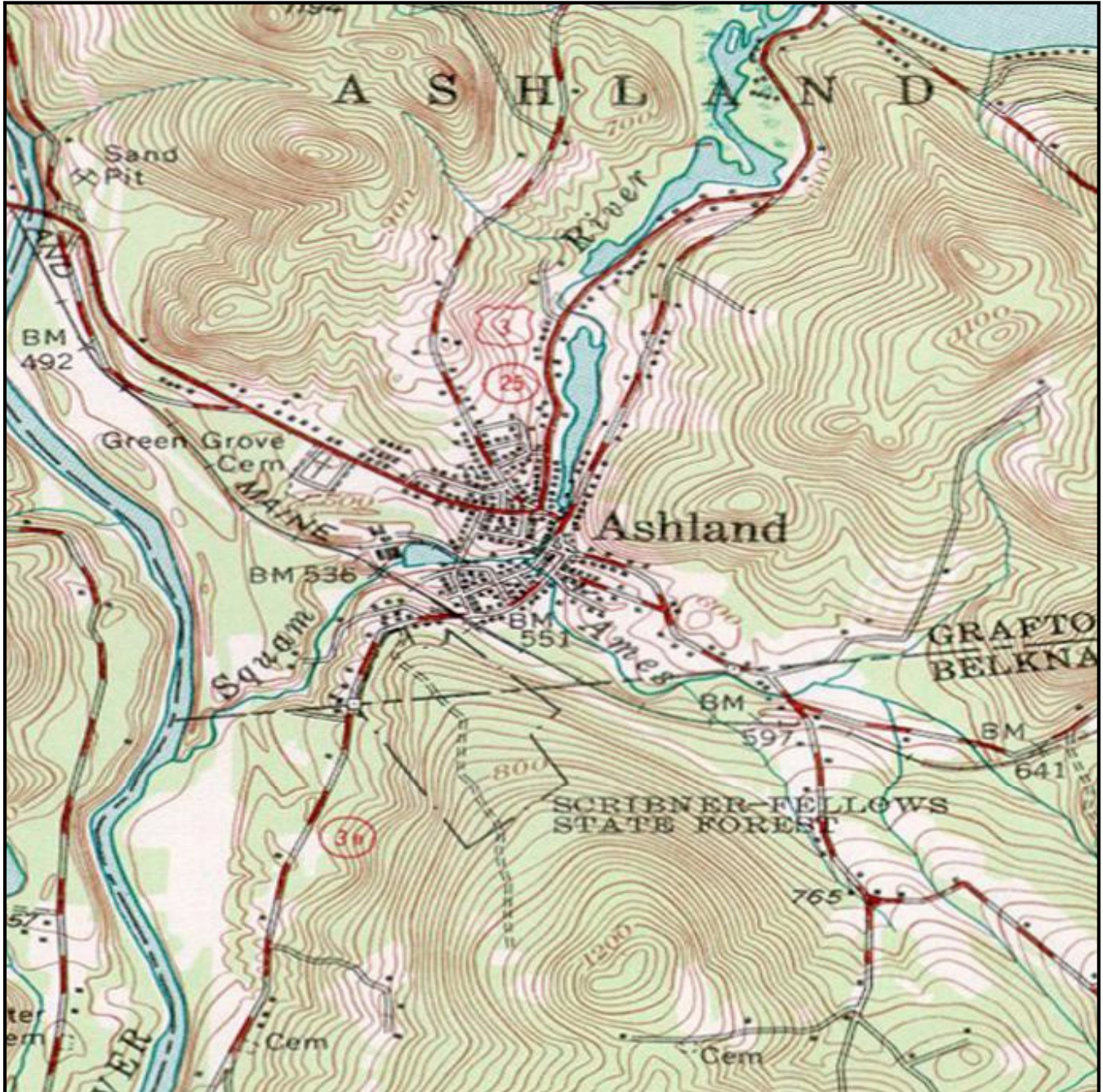
Environmental FirstSearch

Historical Topographic Map

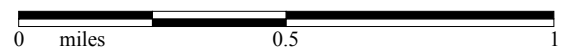


Quad Name: Holderness, NH
Year: 1927 (Revised 1956) Original Map Scale: 1: 62500

6 MILL ST, ASHLAND, NH



Job Number: 10001086
Target Site: -71.631274, 43.693783



Building		Railroad	
Topo Contour		Tanks	
Depression		Primary Highway	
Quarry or Open Pit Mine		Trail	



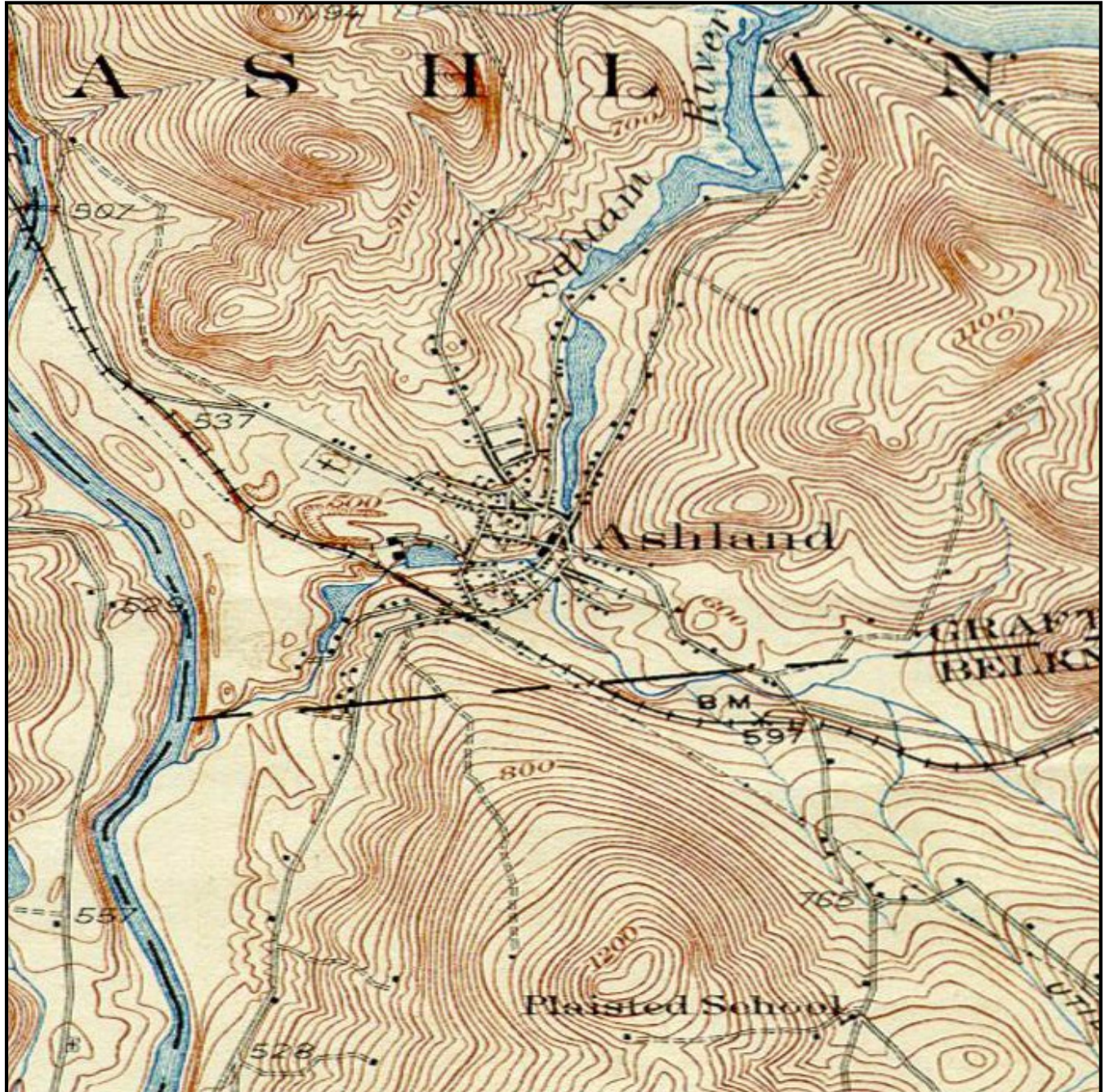
Environmental FirstSearch

Historical Topographic Map

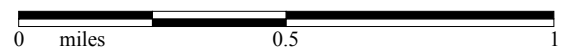


Quad Name: Holderness, NH
Year: 1927 Original Map Scale: 1: 62500

6 MILL ST, ASHLAND, NH



Job Number: 10001086
Target Site: -71.631274, 43.693783



Building	■ ■ ■ ■ ■	Railroad	—+—+—+—
Topo Contour	—6000—	Tanks	● ● ● ●
Depression	⊖	Primary Highway	—
Quarry or Open Pit Mine	⊗	Trail	- - - -



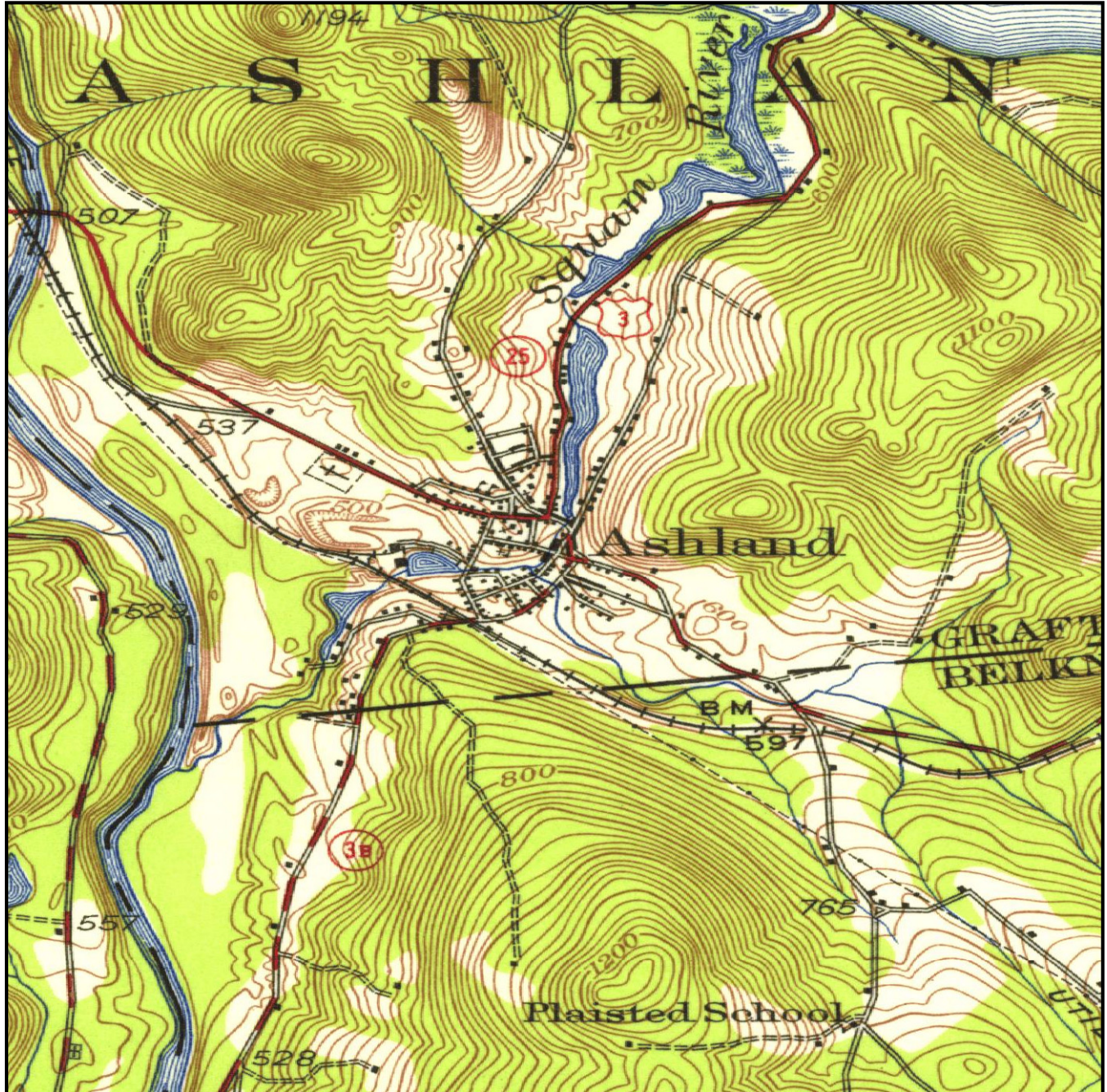
Environmental FirstSearch

Historical Topographic Map



Quad Name: Holderness, NH
Year: 1925 Original Map Scale: 1: 62500

6 MILL ST, ASHLAND, NH



Job Number: 10001086
Target Site: -71.631274, 43.693783

0 miles 0.5 1

Building	■ ■ ■ ■ ■	Railroad	—+—+—+—
Topo Contour	—6000—	Tanks	● ● ● ●
Depression	○ ○ ○ ○	Primary Highway	—
Quarry or Open Pit Mine	⊗	Trail	- - - -

CITY DIRECTORY REVIEW

Report Date: November 2, 2010
 Client Job Number: 10001086
 FirstSearch Index Number: 245702
 Site Address(es): 6 Mill Street
 Ashland, NH 03217

A search was conducted for the subject area noted above to identify any Historical City Directory coverage/tenant information maintained at national repositories, local city/town libraries and/or various public sources.

The following information is the result of the search:

YEAR / SOURCE	CLOSEST LOWER ADDRESS LISTINGS	SUBJECT ADDRESS(ES)	CLOSEST UPPER ADDRESS LISTINGS
2007/Cole Directory	No Lower Listings	LW Packard & Co Inc Taylor Made Graphics	9 Mill Street Residential Listing 14 Mill Street El Pakco Inc 15 Mill Street Residential Listing 18 Mill Street Residential Listing
2004/Cole Directory	No Lower Listings	Packard Co	9 Mill Street Multiple Residential Listings 14 Mill Street El Pakco Inc 15 Mill Street Residential Listing 22 Mill Street Packard Steam Laundry LLC
2000/Cole Directory	(No Address Numbers) Mill Street Multiple Residential Listings	Advanced Automated Design Incorporated L W & Company Incorporated Wooln Mill	9 Mill Street Multiple Residential Listings 11 Mill Street Residential Listing 15 Mill Street Residential Listing 16 Mill Street Residential Listing
1995/Cole Directory	(No Address Numbers) Mill Street Multiple Residential Listings	Packard L W & Co Inc Wooln Mill Vachon Tim	11 Mill Street Residential Listing 15 Mill Street Multiple Residential Listings 23 Mill Street Multiple Residential Listings 25 Mill Street Residential Listing

Continued on next page

CONTINUED

1992/Cole Directory	(No Address Numbers) Mill Street Multiple Residential Listings	Packard L W & Co Inc Wooln Mill	16 Mill Street Residential Listing 23 Mill Street Multiple Residential Listings 25 Mill Street Residential Listing 27 Mill Street Residential Listing
--------------------------------	--	------------------------------------	--

Notes: No further coverage available

GLOSSARY OF TERMS

“No Listing/Not Listed” - address not listed in the directory

“Vacant” or “No Current Listing” - status of address in directory

“Residential Listing” - one residential listing located at address

“Multiple Residential Listings” - more than one residential listing located at address

“Multiple Retail Listings” - more than one retail facility located at address

“Multiple Business Listings” - more than one business listing at address

“Multiple Government Offices” - more than one federal listing at an address

“Multiple Municipal Listings” - more than one municipal listing at an address

“Multiple Military Listings” - more than one military listing at an address

“Street Not Listed” - street not listed in directory

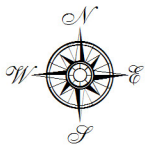
When multiple tenants/facilities are observed for one address, the information may be summarized as shown in the following examples:

- An apartment building will be represented by “Multiple Residential Listings”
- A retail shopping center will be represented by “Multiple Retail Listings” followed by a separate listing of sites, if present, which may contain the use of regulated/chemical/hazardous materials such as dry cleaners, photo finishers, hair salons, auto repair shops, etc.
- An office building consisting of attorneys, insurance, firms, or other facilities which do not indicate the use of regulated/chemical/hazardous materials will be represented by “Multiple Business Listings”

Residential addresses, including individual houses and apartment buildings, are listed as residential. Names of tenants can be provided if needed.

Unless otherwise noted, the subject address(es) plus four adjacent addresses up from the subject property and four addresses down from the subject property are included in the report, if available.

Although great care has been taken by FirstSearch Technology Corporation in compiling and verifying the information contained in this report to insure that it is accurate, FirstSearch Technology Corporation disclaims any and all liability for any errors, omissions, or inaccuracies in such information and data.



Environmental FirstSearch

Historical Aerial Photo

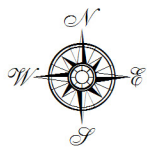
2009

6 MILL ST, ASHLAND NH 03217



Job Number: 10001086
Target Site: (Latitude: 43.693783, Longitude: -71.631274)

Approximate Scale: 1 inch equals 900 feet

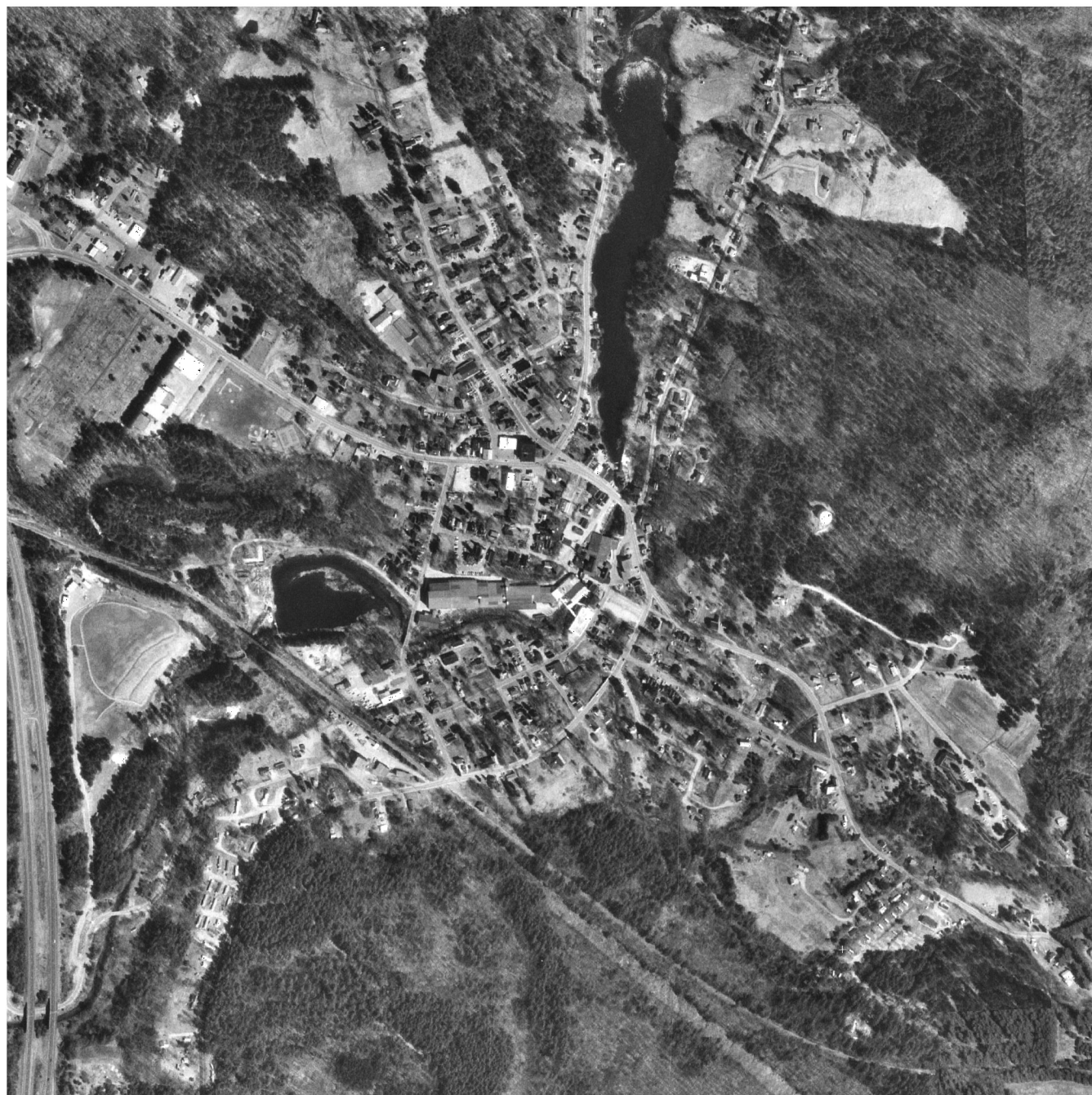


Environmental FirstSearch

Historical Aerial Photo

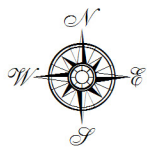
1998

6 MILL ST, ASHLAND NH 03217



Job Number: 10001086
Target Site: (Latitude: 43.693783, Longitude: -71.631274)

Approximate Scale: 1 inch equals 900 feet



Environmental FirstSearch

Historical Aerial Photo

1981

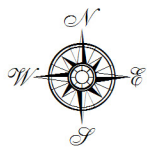
6 MILL ST, ASHLAND NH 03217



Job Number: 10001086

Target Site: (Latitude: 43.693783, Longitude: -71.631274)

Approximate Scale: 1 inch equals 900 feet



Environmental FirstSearch

Historical Aerial Photo

1956

6 MILL ST, ASHLAND NH 03217



Job Number: 10001086
Target Site: (Latitude: 43.693783, Longitude: -71.631274)

Approximate Scale: 1 inch equals 900 feet

APPENDIX F

HISTORICAL DOCUMENTATION



L. W. PACKARD & CO., INC.

Company History

In 1840, the Briggs Brothers of Leeds, England built a woolen mill on the Squam River in the geographic center of New Hampshire. The mill ran sporadically for 76 years. The town of Ashland didn't appear until 1868. In the year 1916, Mr. Luther Packard of Berwick, Maine purchased the mill. This was the beginning of a textile industry that would create for itself a place in the US textile trade and the world market.

In 1921 Lawson W. Glidden joined the Company to assist his uncle, Luther Packard, in the operation of the financially struggling company, which was able, against many odds, to survive the depression. In the early 1930s the Company started to grow, but the difficulty in procuring adequate power in the mid 1930s in conjunction with the flood of 1936, slowed down, but did not stop progress. In the early 1940s at the beginning of W.W. II, business boomed with considerable construction and plant modification taking place. Growth and accompanying expansion in all facets of the operation continued into the early 1950s, when John E. Glidden joined L.W. Packard, which at that time was being run by Lawson W. Glidden, who directed operations until the time of his death in 1986. Today, John L. Glidden, a third generation family member is President of the Company, and he continues the tradition of leading L.W. Packard forward through innovative technology and prudent distribution of assets.

In its 80 years of continuous operation, L.W. Packard has grown steadily from a total production of two quality pieces of fabric per day to nearly 200 quality pieces of cloth a day. The Company has over the years earned a leadership position in the textile industry, where it is recognized as one of the world's finest manufacturers of quality coating used in both men and women's clothing industries throughout the United States.

L.W. Packard & Co., Inc. produces woolen cloth of many different weights and finishes. Also produced at the Ashland plant is cloth with a variety of contents, to include 100% wool, 100% cashmere, 100% camel hair, 100% alpaca, 100% angora, and blends of wool, cashmere, camel hair, angora, mohair, and nylon. Considerable concentration has been recently placed on the precious or luxury fibers, such as cashmere and camel hair, with a resulting increase in demand for these very exquisite fabrics. L.W. Packard anticipates that a significant portion of the Company's continued growth will come from this segment of the market.

L.W. Packard & Co., Inc. produces fabric for some of the most distinguished manufacturers and retailers of coats, jackets, and blazers. A partial list of this select group of internationally recognized names includes Hart Schaffner and Marx, Burberry, Hickey Freeman, Calvin Klein, Perry Ellis, Liz Claiborne, Evan Picone, Saks Fifth Avenue, Neiman Marcus, Eddie Bauer, Land's End, Brooks Brothers and L.L. Bean.

Average employment at the Company's nearly 300,000 square foot manufacturing facility in Ashland is 280. It can honestly be stated that through the doors of L.W. Packard & Co., Inc. have passed, are passing, and will pass some of the most talented textile employees in the world. The Company's manufacturing operations utilize the most up-to-date and technically advanced machinery available in the textile industry today. This concept of continual technical change and improvement, coupled with an unrelenting desire to be the best at what it does, has pushed L.W. Packard & Co., Inc. to the forefront of leading edge technology in the textile industry.

International recognition came to L.W. Packard in February of 1995 when it was selected by Textile World magazine as one of the **Top Ten Textile Plants In The World**, and the only woolen mill to be in the top ten group. The Company was recognized for its achievements in automation, quality, efficiency, and innovative human resource programs. The other companies making the top ten list of plants included such highly

recognized names as Milliken & Co., Fruit of the Loom, Cone Mills, Russell Corporation, and the leading textile companies from Japan, Italy, and Austria.

Over the last 10 years, business has expanded dramatically in both breadth and scope, and during this period the Company has consistently been honored as one of the Top 50 private companies in New Hampshire. Additionally, L.W. Packard & Co., Inc. has received numerous awards, commendations and accolades for its outstanding achievements in the area of safety. Its safety program has been a model for many companies throughout New England and beyond. Total involvement in safety at all levels of the Company has been the cornerstone of L.W. Packard's success in the area of accident prevention.

To provide for continued success, the L.W. Packard & Co., Inc. invests heavily not only in new plant and equipment, but also in the future of its people, who are encouraged to continually update their knowledge of the Company's operations. At the same time, the Company maintains a strong commitment to the community by not only providing employment, but also by active and supportive participation in the area's programs and activities.

The guiding philosophy of L.W. Packard & Co., Inc. has been and continues to be:

1. Provide a safe, healthy work environment for all employees.
2. Produce a quality product at a competitive price.
3. Produce as much quantity as quality will allow.
4. Always operate at a profit.

In 2002, L. W. Packard moved its entire manufacturing operations to Beijing, China with and formed) [ABC Textile \(American Beijing Chinese Textile](http://www.abc-textile.com/) <http://www.abc-textile.com/>

[To return to L. W. Packard home page click here](#)

Community Revitalization, Economic Development, Environmental Remediation & Engineering

Contact us:

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Westbrook, ME 04092
P: (207) 828-1272
F: (207) 887-1051

CREDERE ASSOCIATES, LLC

