

US EPA ARCHIVE DOCUMENT

*file*

**NUS CORPORATION**  
**SUPERFUND DIVISION**

**INTERNAL CORRESPONDENCE**

C-583-8-5-133

**TO: DON SMITH**

**DATE: SEPTEMBER 19, 1985**

**FROM: LIYANG CHU** *L.C.W.*

**COPIES: FILE**

**SUBJECT: ABERJONA AUTO PARTS SITE**  
TDD No. F1-8508-01  
Reference No. MA53SI

The NUS Field Investigation Team (NUS/FIT) was tasked by Region I U.S. Environmental Protection Agency (EPA) to perform an abbreviated site inspection and to update existing records of the Aberjona Auto Parts Site under Technical Directive Document (TDD) F1-8508-01. The Site Inspection package consists of a letter report and EPA Form 2070-13. No HRS ranking was conducted as the site is part of the ongoing Remedial Investigation and Feasibility Study of the Woburn Wells G & H Site which is already listed on the National Priority List.

LC/mth

cc: R. DiNitto  
J. Morin  
N. Demorest  
T. Plant  
T. Centi/ZPMO

Reviewed and Approved by:

*R. DiNitto*  
R. DiNitto, RPM

Date:

9-19-85

**NUS CORPORATION  
SUPERFUND DIVISION**

**INTERNAL CORRESPONDENCE**

C-583-8-5-134

**TO: DON SMITH**

**DATE: SEPTEMBER 19, 1985**

**FROM: LIYANG CHU** <sup>LCW</sup>

**COPIES: FILE**

**SUBJECT: ABERJONA AUTO PARTS DRAFT SITE INSPECTION REPORT  
TDD No. F1-8508-01  
Reference No. MA53SI**

Please find enclosed three (3) copies of the Draft Site Inspection (SI) package for the Aberjona Auto Parts Site located at 278 Salem Street in Woburn, Massachusetts, ERRIS No. MAD019722594. The SI package consists of a letter report and the EPA Form 2070-13.

This package was prepared in response to Technical Directive Document F1-8508-01 and constitutes completion of the site investigation of the subject facility.

LC/mth

cc: R. DiNitto  
J. Morin  
N. Demorest  
T. Plant  
T. Centi/ZPMO

Reviewed and Approved by:



**R. DiNitto, RPM**

Date: 9-19-85

**NUS CORPORATION  
SUPERFUND DIVISION**

**INTERNAL CORRESPONDENCE**

C-583-9-5-74

**TO: DON SMITH/EPA**

**DATE: SEPTEMBER 19, 1985**

**FROM: LIYANG CHU**

**COPIES: FILE**

**SUBJECT: ABERJONA AUTO PARTS DRAFT SITE INSPECTION REPORT  
TDD No. F1-8508-01  
Reference No. S300 MA53SI**

**INTRODUCTION**

NUS/FIT Region I was tasked by the U.S. Environmental Protection Agency (EPA) Superfund Branch to prepare an update on the status of the Aberjona Auto Parts Site which will serve as a Preliminary Assessment/Site Inspection report. This task was performed under Technical Directive Document (TDD) No. F1-8508-01 which was issued to NUS/FIT Region I on August 2, 1985.

The documents prepared within comply with requirements set forth under EPA Superfund Legislation (CERCLA). However, they do not necessarily fulfill the requirements of other EPA regulations, such as RCRA. The Site Inspection is only intended to provide a preliminary screening of sites to facilitate site prioritization by EPA. It is a limited effort and is not intended to supplant a more detailed investigation.

**SITE DESCRIPTION**

The Aberjona Auto Parts facility is located at 278 Salem Street in Woburn, MA. The facility is situated on two lots (#34 and #36) consisting of 6.51 total acres and is bordered on the northeast by the Aberjona River, on the southwest by the Whitney Barrel Company, on the south by Salem Street, and to the northwest by the former J.J. Riley Company property (See Figures 1 and 2). A Metropolitan District Commission/city of Woburn Sewer easement (Lot 35) runs through the site from the southwest corner to Salem Street.

To the north of the property is a wetland area consisting of marshland with an abundance of flora. Situated directly on the site is a salvage yard which stores wrecked and salvaged automobiles. Most of the property constitutes an unpaved lot which serves as storage space for the automobiles and salvaged parts. Towards the southern boundary of the property is situated one building which is a combination main office, three-bay garage, and parts storage facility. A private dwelling is also located on the site along Salem Street. The Aberjona Auto Parts Site is situated approximately 800 feet and 1400 feet from Wells G and H, respectively. The site is located southwest of and across the Aberjona River from Wells G and H.

MEMO TO: DON SMITH  
SEPTEMBER 19, 1985 - PAGE TWO

### SITE HISTORY

The Aberjona Auto Parts facility is currently owned and operated by Cliff Boutwell and has been in operation for about thirty years. The facility is a salvage yard which purchases wrecked and used automobiles, and automobile parts, and re-sells salvaged and re-conditioned auto parts. A small degreasing operation of auto parts (engines) began in 1978 using an industrial solvent ZEP D-Grease. No more than two 55 gallon drums are kept on-site at any time. Auto parts are laid on the concrete floor of the three-bay garage, sprayed with "ZEP", allowed to soak, and finally rinsed clean with water. The rinse water and spent solvent are emptied into a grease settling pit which is connected to a Metropolitan District Commission (MDC) sewer line. The spent solution is picked up by the Murphy Waste Oil Company of Woburn (4, 5).

The city of Woburn's Wells G and H, situated northeast and across the Aberjona River and surrounding wetlands from the Aberjona Auto Parts Site, were found to be contaminated with various volatile organic compounds in 1979 by the State of Massachusetts Department of Environmental Quality Engineering. The wells were subsequently shut down and Metropolitan District Commission water was provided to supplement Woburn's daily demand (about 30%). Since 1979, various studies have been conducted on the properties surrounding the Aberjona Auto Parts facility.

In 1980, Ecology & Environment, Inc. (E & E) was tasked by the EPA to conduct an on-site investigation of the Aberjona Auto Parts property to identify any potential contamination due to the facility's activities. The report indicated that there were no signs of vegetative stress, there was an abundance of wildlife on the property, and that the surface water of the Aberjona River was free of any visible signs of contamination (4, 5).

In 1984, two studies were conducted by Woodward-Clyde Consultants (WCC) of the J.J. Riley Property (which adjoins Aberjona Auto Parts) on behalf of the Beatrice Foods Company to determine the geohydrologic relationship between the J.J. Riley Site and other areas of the Aberjona River Valley. The studies indicate that sand and gravel beds in the valley are highly transmissive and are used as a groundwater supply source. The reports also indicate that groundwater flow at the J.J. Riley Site and its environs is generally southeasterly across the Riley Site towards Salem Street, based on previous investigations and work conducted by WWC (3,6,7).

MEMO TO: DON SMITH  
SEPTEMBER 19, 1985 - PAGE THREE

**CURRENT STATUS**

NUS/FIT Region I has been tasked by the Region I EPA MA/CT/VT Site Response Section (SRS) under Technical Directive Document (TDD) No. F1-8409-01 to conduct a Remedial Investigation (RI) of the Wells G & H Site, in Woburn, MA. During this ongoing RI, overburden and bedrock groundwater monitoring wells were installed on the Aberjona Auto Part's property. Results of analyses performed on groundwater from these wells and other upgradient and downgradient wells in the study area will be presented in the final RI report to EPA.

No further investigation of the Aberjona Auto Parts Site is recommended at present, since Wells G & H have already been listed on the National Priorities List and the Aberjona Auto Parts Site is part of an ongoing Remedial Investigation.

LC/keb

Reviewed and approved by:

  
R. DiNitto, RPM  
Date: 9-19-85

## REFERENCES

1. Uncontrolled Hazardous Waste Site Ranking System; A User's Manual National Oil and Hazardous Substances Contingency Plan, Appendix A (40 CFR 300) (47 FR 31219). July 16, 1982.
2. U.S. Geological Survey Topographic Map, 7.5 Minute Series
  - Wilmington Quadrangle, Photo Revised 1979
  - Boston North Quadrangle, Photo Revised 1979
  - Lexington Quadrangle, 1971
  - Reading Quadrangle, Photo Revised 1979
3. Geohydrology and Groundwater Contamination, J.J. Riley Site, Woburn, Massachusetts. Prepared by Woodward-Clyde Consultants, Wayne, NJ for Lowenstein, Sandler, Brochin, Kohl, Fisher, Boylan and Meanor, Roseland, NJ. January 31, 1984.
4. Preliminary Site Assessment of Aberjona Auto Parts, Task Report for TDD No. F1-8005-01E-02. Energy and Environment, Inc. for U.S. EPA. October 27, 1980.
5. Site Investigation Report of Aberjona Auto Parts, Task Report for TDD No. F1-8005-01E-02. Ecology and Environment, Inc. for U.S. EPA. November 26, 1980.
6. Phase II Groundwater Investigation, J.J. Riley Site, Woburn, Massachusetts. Prepared by Woodward-Clyde Consultants, Wayne, NJ for Lowenstein, Sandler, Brochin, Kohl, Fischer, Boylan, and Meanor, Roseland, NJ. November 1, 1984.
7. Chlorinated Solvent Contamination of the Groundwater. East Central Woburn, Massachusetts, Task Report for TDD No. F1-8203-01. Energy and Environment, Inc. for U.S. EPA. March 8, 1982.
8. Final Remedial Investigation Report. TDD No. F1-8409-01 (to be published). NUS Corporation Field Investigation Team.



**ABERJONA AUTO PARTS**  
**WOBURN, MA**

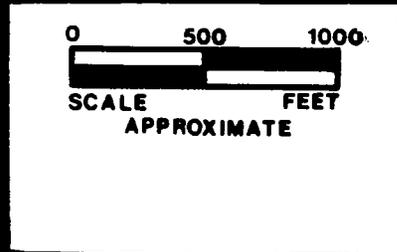
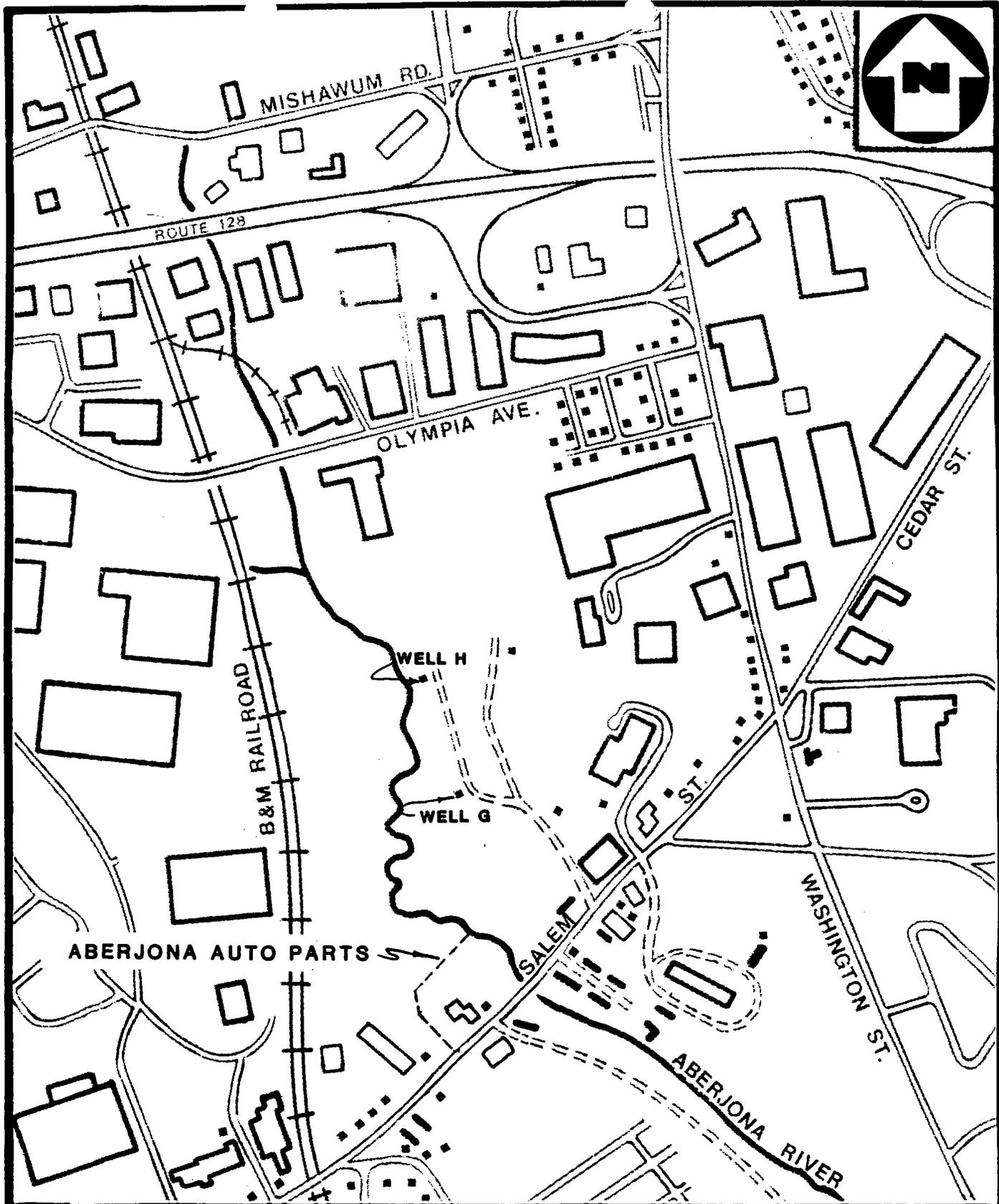
**AUG 1985**



**FIGURE 1**

0 1000 2000 3000 4000 5000 6000 7000 FEET

BASE MAP DERIVED FROM USGS LEXINGTON, WILMINGTON, READING, BOSTON NORTH QUADRANGLES, 1971 and 1979 PHOTOREVISED TOPOGRAPHIC MAPS.



**ABERJONA AUTO PARTS**  
**WOBURN, MA**

AUG 1985

**NUS**  
CORPORATION  
A Halliburton Company

**FIGURE 2**

BASE MAP DERIVED FROM U.S.G.S. LEXINGTON, BOSTON NORTH, READING & WILMINGTON QUADRANGLES 1971,1979 & 1980 AERIAL PHOTOGRAPHS OF EAST WOBURN, MA

<b>EPA</b>	<b>POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT AND RISK EVALUATION Part 1 - Site Information</b>	<b>Identification</b>
		U.S. EPA FINDS # MAD 019722594

**1.1 SITE NAME AND LOCATION**

<b>Site Name</b> (Legal, common, or descriptive name of site)		<b>Street, Route # or specific location identifier</b>	
Aberjona Auto Parts		278 Salem Street	
<b>City</b>	<b>State</b>	<b>Zip Code</b>	<b>County</b>
Woburn	MA	01801	Middlesex
<b>Coordinates</b>		<b>Topographic Map and Edition</b>	<b>Location on Map (e.g., sector)</b>
<b>Latitude</b>	<b>Longitude</b>	Lexington Quadrangle, MA 7.5' Series, 1971 (Ref. 2)	UTM 324 900m E 4 706 400m N (Ref. 2)
42 29' 29" N	71 07' 51" W		

**1.2 OWNERSHIP - CURRENT**

CURRENT OWNERSHIP				AT TIME OF LAST DEPOSIT OF WASTE		
<b>Name</b>				<b>Name</b>		
Cliff & William Boutwell				N/A		
<b>Street Address (PO Box, RFD #, etc.)</b>				<b>Street Address (PO Box, RFD #, etc.)</b>		
280 Salem Street						
<b>City</b>	<b>State</b>	<b>Zip Code</b>	<b>City</b>	<b>State</b>	<b>Zip Code</b>	
Woburn	MA	01801				
<b>History of Ownership: Indicate order by 1 = most recent</b>					<b>Years of Deposition of Waste</b>	
<b>Federal</b>	<b>County</b>	<b>Private 1</b>	<b>Other</b>	<b>Beginning Year</b>		
				N/A		
<b>State</b>	<b>Municipal</b>	<b>GOCO</b>	<b>Unknown</b>	<b>Ending Year</b>		
				N/A		

**1.3 CHECKLIST FOR PERMITTED RELEASES (FEDERAL OR STATE COOPERATIVE AGREEMENT)**

	NPDES	AIR	RCRA INTERIM STATUS	RCRA PERMIT	OTHER
<b>Status of Most Recent Permit</b>	-	-	-	-	-
<b>Record of Violations?</b>	-	-	-	-	-
<b>What aspects of the site are not covered by these permits?</b>					

**1.4 TYPES OF SAMPLES TAKEN**

	Sediment	Soil	Leachate
<b>GW</b>			
<b>SU</b>		Waste X	Biological

**1.5 DATES OF ACTIONS TAKEN AT THIS SITE OR REFERENCE NUMBER FOR SUMMARIES**

	Removal	Remedial	Legal
<b>Federal</b>	-	-	-
<b>State</b>	-	-	-
<b>Other</b>			

**1.6 DOCUMENTATION HISTORY (ENTER DATES OF REPORTS ON FILE)**

THIS Entry	Final Assessment	Field Inspection Reports (also reference # if referenced)
MAD 019722594	Oct 27, 1980 (4)	Nov. 26, 1980 (5)

**SUPERFUND RECORD OF COMMUNICATIONS**

SITE: Wells G#H

CHECK APPROPRIATE BLOCK(S)

COUNTY: \_\_\_\_\_ STATE: MA

- INCOMING PHONE CALL       CONFERENCE PHONE CALL       VISIT  
 OUTGOING PHONE CALL       MEETING/ CONFERENCE       ASSIGNMENT

\_\_\_\_\_ EMERGENCY/IMMEDIATE  
 \_\_\_\_\_ REMEDIAL

DATE \_\_\_\_\_ TIME \_\_\_\_\_ PHONE NO. (Include Area Code) \_\_\_\_\_

TO: (Name, Agency, Firm, and Address)  
  
File

ROUTING

- HEALTH CONSULTATION  
 SITE VISIT  
 REVIEW DATA  
 PUBLIC MEETING  
 WORKER HEALTH & SAFETY  
 OTHER: (Specify) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

FROM: (Name, Agency, Firm, and Address)  
  
Susan Sivsky

**SUMMARY**  
The following SIs were handed to Bob Cleary of MA DEQE on 12/3/85 ~~for review~~ FYI.

- Woburn Sanitary L'f II
- NE Resins & Pigments
- Whitney Barrel
- Aberjona Auto Parts
- Unifirst Corp.

ACTION REQUIRED, INFORMATION OR MATERIALS PROVIDED, ETC. ENCLOSURE(S) INCLUDED: \_\_\_\_\_ YES \_\_\_\_\_ NO

Typed Name & Signature \_\_\_\_\_ DATE \_\_\_\_\_