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PHASE I and II ENVIRONMENTAL SITE ASSESSMENT

331 East Main Street
Middletown, CT 06457

March 24, 2000

Prepared for:

A.C. Fonda Enterprises
2 Kidds Way
Watch Hill, RI 02891

Prepared by:

WOODARD & CURRAN
Engineering • Science • Operations
515 Highland Avenue
Cheshire, CT 06410
(203) 271-0379

EXECUTIVE SUMMARY

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Woodard & Curran Inc. (W&C) was retained by A.C. Fonda Enterprises to conduct a Phase I and II Environmental Site Assessment (ESA) of the former Russell Manufacturing facility located at 331 East Main Street, Middletown, Connecticut. This Phase I and II ESA was conducted to evaluate the risk of future liability due to environmental conditions, determine the presence or absence of subsurface contamination requiring additional investigation and identify any hazardous wastes within the on-site building (Russell Building) requiring special handling and disposal.

The scope of this ESA reflected the scope specified in our October 28, 1999 proposal. The Phase I part of this ESA consisted of a site inspection of the property, a review of applicable files located in state (CTDEP) and local government offices, interviews of local government officials, and a database search for information on the site and surrounding properties.

Based on historical site usage and operations, the property is, in our opinion, an "establishment" as defined in Section 22a-134 of the Connecticut General Statutes. As such, an Environmental Conditions Assessment Form and a Form III should be submitted within 10 days of a transfer of the property.

The Phase II part of this ESA consisted of determining whether there was hazardous waste within the building and whether the subsurface soils and groundwater on the property had been environmentally impacted. The analytical results for the samples in the building were compared to RCRA hazardous waste regulations for disposal purposes and the analytical results for the samples outside the building were compared to the Connecticut Remediation Standard Regulations (RSRs).

Groundwater in the area of the subject site is classified as "GB" by the CTDEP. The site is in an old industrial area now zoned as "Transitional Development", signifying a wide mix of existing land uses. Bedrock is encountered above the water table at a depth of two to eight feet below the grounds surface.

W&C has identified several potential hazardous waste materials within the Russell Building. Some of these materials are in the form of residues on floor surfaces, on other building materials and within pipes, while others consist of floor construction material (concrete, wood), which are found within the hazardous waste storage area and the plating room. These materials should be segregated from the general building demolition and addressed by a licensed hazardous waste contractor. Residue and residue-containing pipes and ductwork throughout the building should be removed and disposed prior to general demolition. Contaminated building materials in the plating room and the hazardous waste storage area can be addressed during general demolition, but should be segregated, characterized and properly disposed of separately from other areas of the building.

The potential hazardous wastes identified in this investigation are described below. For the purposes of this explanation, these potential hazardous wastes can be grouped together as follows:

- *Piping and Ductwork*

  There is an extensive system of piping throughout the Russell Building. A portion of these pipes contain residue, which exhibits one or more hazardous waste characteristics. W&C recommends that this piping be removed, characterized and properly disposed of by a qualified hazardous waste contractor.

- *Second Floor*

  Residue located on the floor of one room on the second floor tested as hazardous waste by the characteristic of toxicity due to lead and chromium. This spilled material also stained the ceiling tiles above the floor spill. It is probable that this hazardous material originated from overhead metal piping above the ceiling tiles.

  An adjacent room contains another residue that also tested as a toxic hazardous waste due to lead. This residue apparently originated from overhead PVC piping.

  W&C recommends that these residues and any associated materials (e.g., ceiling tiles) be removed, characterized, and disposed of by a qualified hazardous waste contractor prior to general building demolition.

- *Hazardous Waste Storage Area*

  The Hazardous Waste Storage Area is located on the main floor in the south end of the building. It consists of an area approximately 20 feet by 30 feet. The wooden floor is underlain by soil. This area is suspected to have historically contained hazardous waste materials in drums and other containers. Samples taken of the wooden floor, and of two different residues found in piping and on the floor in this area were found to be hazardous by characteristic due to lead, ignitability and corrosivity, respectively. Based on these results and the apparent historic location of hazardous wastes in this area, W&C recommends that all construction materials in the room be segregated during demolition, characterized and properly disposed. This work should be done by an appropriately trained and licensed contractor.

- *Plating Room*

  The plating room is located on the basement level of the north end of the building. Concrete chip sampling of the floor indicated the presence of lead at levels that exceed the toxic hazardous waste characteristic threshold level. Based on these results and the history of plating operations in this room, W&C recommends that all construction materials in the room be segregated during demolition, characterized and properly disposed. A 15-foot square section of the concrete floor around the sump should be segregated from the rest of the concrete floor. This work should be done by an appropriately trained and licensed contractor.

As a result of this ESA, Woodard & Curran has not identified any issues that present a potential risk of environmental liability with respect to the subsurface investigation outside of the Russell Building. However, this investigation found that one of two soil samples from the crawl space beneath Russell Building's hazardous waste storage area exceeded CT RSR GB Pollutant Mobility Criteria. Also, process piping and ductwork run throughout this crawl space and some of the piping is suspected to contain characteristic hazardous waste residues. These factors indicate that further investigation of the soils beneath the Russell Building is warranted to determine the extent of the soil contamination for remediation purposes. Woodard & Curran recommends that this investigation take place during or after building demolition. If the soil does exceed RSR criteria, then the contaminated soils can be addressed following the general demolition.

There is one registered underground storage tank (UST), which is located on the west side of the subject property. This tank was installed in 1989, and has a capacity of 10,000 gallons, stored heating fuel and had a 30-year life expectancy. This tank should be removed from the site prior to building demolition in accordance with Section 22a - 449(d) – 107 et. seq. of the Connecticut General Statutes.

W&C further recommends that the catch basin on the south side of the building adjacent to the hazardous waste storage area be cleaned prior to demolition of the building.

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SECTION 1

1.0 INTRODUCTION

This Report describes the investigations, findings and conclusions of the Phase I and II Environmental Site Assessment (ESA) completed for 331 East Main Street located in Middletown, Connecticut.

1.1 BACKGROUND AND PHASE I RESULTS

1.1.1 Background

The subject property is located at 331 East Main Street, Middletown, Connecticut. See Figure 1. The property consists of 1.130 acres of land and includes one large abandoned factory building, the Russell Building, that spans approximately 62 feet by 364 feet. See Figure 1-2 and Photograph 1. Historically, this property was part of the Russell Manufacturing Facility that was distributed on both sides of East Main Street. The building located on the subject property is the last remnant of the Russell Manufacturing Facility. It was built in 1900 and a 1913 Sandborn map indicates that early activity in this remaining building included the winding and weaving of yarn. A 1924 Sandborn map indicates that the building was used for milling and construction of military equipment.

It is uncertain what type of manufacturing took place between the 1930s and 1960s. Herman and Jacob Leeder purchased the building from Russell Manufacturing Company in 1956. A Sandborn map from 1966 indicates that a PVC-plasticizer mixer was located in the southern end of the building and a PVC treating line was located in the northern end of the building. Similar manufacturing operations took place in the building until Sumner Brook Realty purchased the property in 1985.

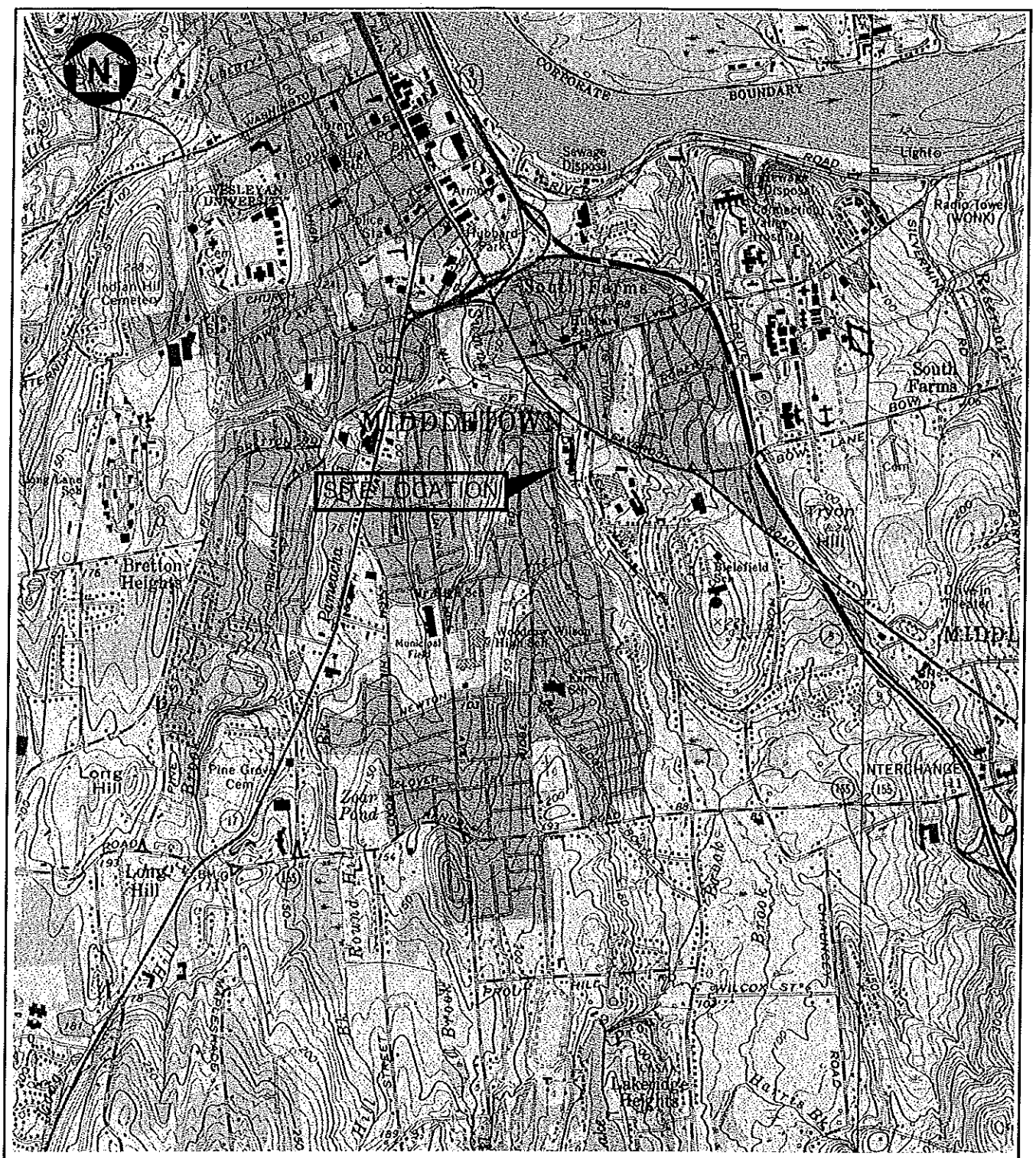
During the late 1980s and early 1990s, Sumner Brook Realty leased the building out to various tenants such as Alpha Circuits, B&D Flexible Core Products Inc., C.W. Bend, Arthur F. Harris, Kabel's Luggage Shops, Inc., Point Design, Inc. Printed Circuit Services, Pelton's, Inc., George Arnold DBA Warehouse, and Zygo Corp.

Little is known about these tenants, except for Alpha Circuits. Alpha Circuits was classified as a Large Quantity Generator, with an EPA ID number of CTD 013134861. Until 1996, Alpha Circuits occupied approximately one-half of the Russell Building, which included the entire basement floor, where the manufacturing of electronic circuit boards took place. A room on the southern end of the first floor was used as a hazardous waste storage area. A floor plan of Alpha Circuits' process areas, illustrated in Figure 1-3, shows a plating area located in the northeast corner of the basement and other process-related areas located throughout the basement floor, which spans less area than the floors above the basement. Alpha was fined by the CTDEP for disposing untreated wastes directly into the Middletown Sewer System. In 1993, Alpha ultimately installed a pre-treatment system, located in the basement next to the plating room, that provided effluent consistent with DEP discharge requirements.

Since the property was leased by Alpha Circuits, a Large Quantity Generator, the property is an establishment as defined by the Connecticut Property Transfer Regulations (Section 22a-134).

The subject property was connected to the town sewer system on November 7, 1992. On that day, contractors decommissioned the existing septic system that the Russell Building shared with several neighboring facilities. The septic system wastes were piped via a 10-inch clay pipeline along the right of way on the west side of the Russell building that drained toward the northwest, near Mill Street. No information found during this ESA indicated that additional investigation is warranted in the area of this former septic system.

The Russell Building was connected to public water supply on December 19, 1947.



Quadrangle Location

Approximate Scale in Feet

0 1400 2800

Source: USGS Topographic Maps via TOPOI

FIGURE 1-1
SITE LOCATION
FORMER RUSSELL MANUFACTURING FACILITY
MIDDLETOWN, CONNECTICUT

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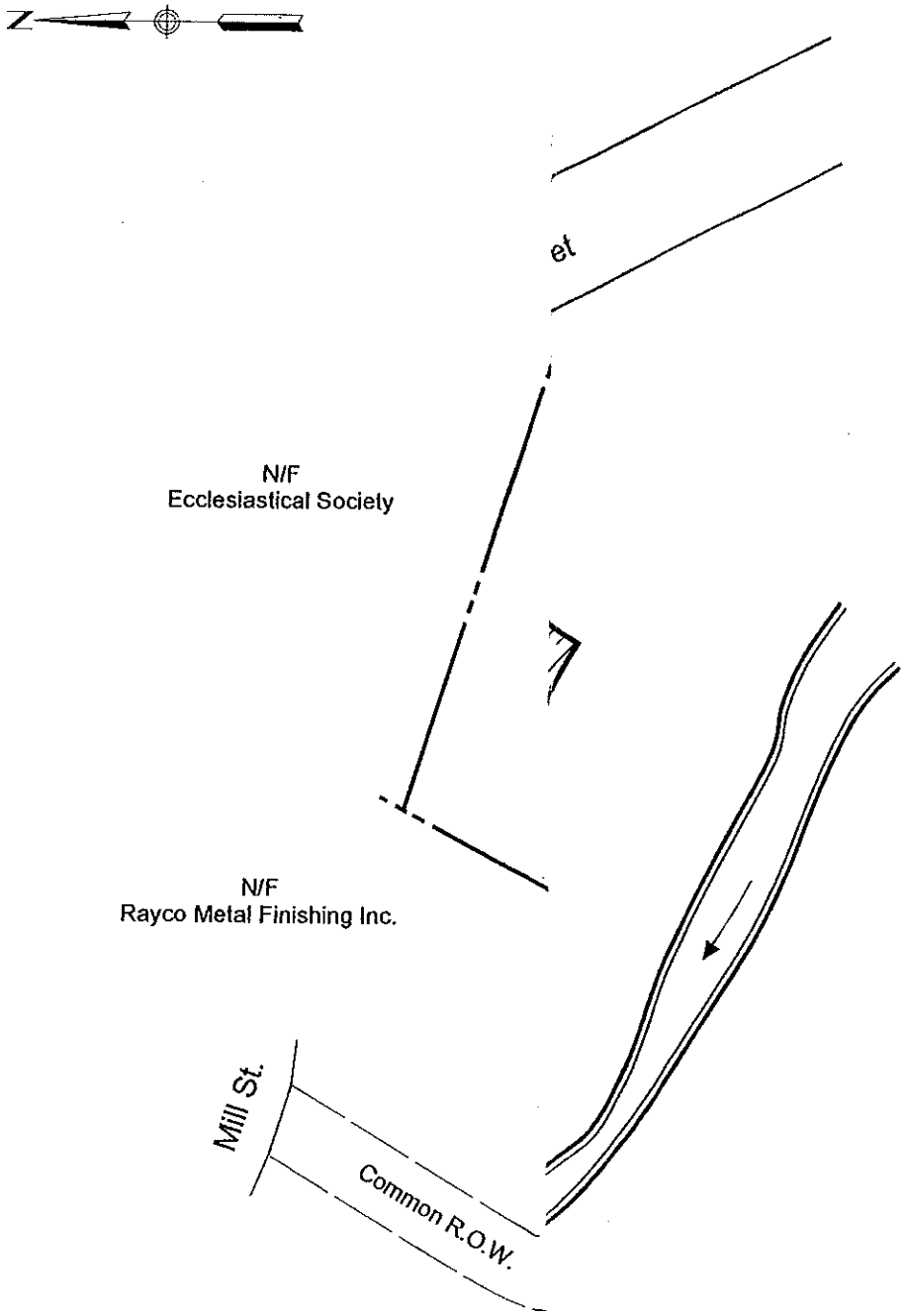

Scale in Feet

0 80 160

DES.BY: KSN	DR.BY: CW	CK.BY: SBH

TONY FONDA
RUSSELL MANUFACTURING

FIGURE 1-2
SITE PLAN

SCALE: AS SHOWN	JOB NO.: 995238.01
DATE: JAN 2000	FILE NAME: SITEMAP

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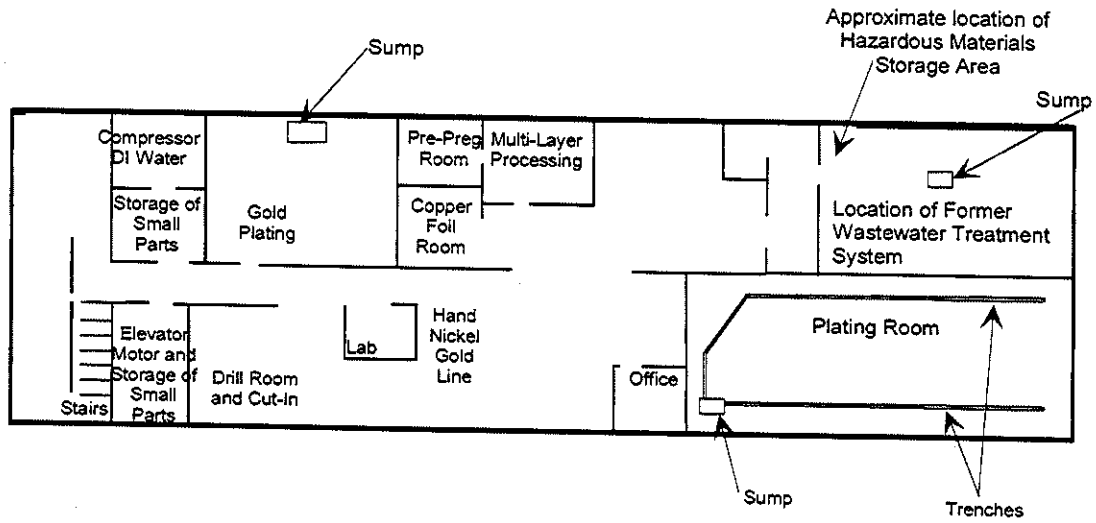

Approximate Scale in Feet

0 30 60

Figure 1-3
Building Basement Layout
Tony Fonda
Russell Manufacturing Facility

995238.01\basement

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One previous investigation of the subject property is known to have been conducted. A report dated March 5, 1996 and found in the CTDEP was titled "Inspection of Alpha Circuits, 331 East Main Street, Middletown, CT". The report stated that Christine Gleason, a Sanitary Engineer from the CTDEP inspected the site. She found some wastes/chemicals that were left abandoned at the site, such as two 55-gallon drums marked "Spent Copper Propylene Glycol" and "Spent Copper, Tin, Lead Propylene Glycol" located in the basement, and a covered Sealand dumpster, approximately 30 yd^3, full of dry resist sludge (a copper-based sludge). The document indicated the types of wastes handled by Alpha Circuits at the subject property and they were the following;

- Ignitables (D001);
- Corrosives (D001);
- TCLP (D004-43);
- F or K Wastes;
- Precious Metals;
- CT Regulated Wastes; and
- Unknown Wastes.

In addition, Appendix D lists Alpha Circuits' waste streams identified in the CTDEP report. All of these wastes are considered typical of plating process operations.

1.1.2 Current Property Conditions

W&C performed a site walkover on December 16, 1999. There were several areas of concern identified within the building that warrant additional investigation. They are summarized as follows:

- First floor Hazardous Waste Storage Room (See Photograph 2 in Appendix B). The wooden floor beams in this room are cracked and stained with green residue and there is white residue filled in pipe hanging from ceiling (See Photograph 7 in Appendix B);
- First floor 4-inch steel pipe or duct hanging from ceiling, which is the source of a reddish-brown resin-like material located in the area of and inside the pipe (See Photograph 3 in Appendix B);
- Several gallons of oily material covered with absorbent located on floor of second floor (See Photograph 4 in Appendix B) and indications that the source of this spill is from overhead piping due to staining on ceiling tile (See Photograph 5 in Appendix B);
- Greenish-black oily material from overhead piping located on floor of second floor (See Photograph 6 in Appendix B);
- Whitish-powder residue from within a fallen 15-inch PVC pipe located in plating room on basement floor; and
- The basement floor slab, specifically the following issues:
  - Three sumps;
  - The plating room floor slab including the trenches that extended the length of the room (See Photographs 8 and 9 in Appendix B);
  - A small office adjacent to the plating room where there were several holes in the concrete floor that extended several feet below the concrete floor slab (See Picture 10 in Appendix B). The origin of these holes is unknown;

- Stained or otherwise suspect areas of the basement floor slab (e.g. areas where wet processes once took place and areas where warning signs are placed such as "Sulfuric Acid" or "Hazardous Chemicals").

Outside the building there were three large electrical transformers, and a sign on the transformers indicated that they contained PCBs. Since they appeared to be in good working order and since they are owned by CL&P, no additional investigation is warranted with regards to these transformers. There were also several areas of concern identified outside the building that warrant additional investigation. They are summarized as follows:

- An underground storage tank (UST) located on the west side of the building. The CTDEP files document that this tank was installed in 1989 is 10,000 gallons, stored heating fuel and has a 30-year life expectancy;
- Outside of loading docks or other thru-ways where chemicals passed back and forth inside and outside the Russell Building;
- Immediately outside of the plating room; and
- Immediately outside of the Hazardous Waste Storage Room.

1.1.3 Area Review

The subject property and the surrounding areas are zoned as Transitional Development. This designation is used for older sections of the city, including a wide mix of existing land uses, developed prior to the application of current zoning restrictions. Figure 1-2 shows the abutters to the subject property and identifies their current owners.

As shown in Figure 1-2, the subject property is situated a couple hundred feet east of Sumner Brook and west of East Main Street. The topography is such that ground slopes down westward, toward Sumner Brook. Based on surface topography, and assuming that groundwater contours follow surface contours, the expected direction of groundwater flow would generally be in a west-northwesterly direction toward Sumner Brook. This does not take into consideration factors or stresses, such as buried utilities that causes groundwater contours to vary from surface contours.

A review of the Adopted Water Quality Classifications for the Connecticut River Basins map dated February 1993 classifies Sumner Brook as "C/B" upstream of the subject property and "C/A" downstream of the subject property. Waters classified as "C/A" are suitable for fish and wildlife habitats, recreational boating, and certain industrial process discharges, such as cooling. Groundwater in the area of the subject property is classified as "GB," meaning the groundwater is not suitable for drinking and other human contact purposes without prior treatment. The GB classification imposes no groundwater cleanup requirements and a less stringent standard for soils with respect to various contaminant parameters specified in the CT Remediation Standard Regulations (RSR).

Maura A. Esposito, the Public Health Sanitarian for Middletown, stated that there are no drinking water wells within the vicinity of the subject property.

1.1.4 Other Sites Potentially Influencing the Subject Property

Sites potentially influencing the subject property were identified in the review of online databases through EcoSearch. This report is included in Appendix E. A subsequent file review at the Connecticut Department of Environmental Protection in Hartford, Connecticut of available State and Federal files for

sites within a one-mile radius of the subject property was based in part on the results of the EcoSearch report.

There are only two sites of potential concern that are upgradient of the subject site, and they are the following:

- The old Fenner site (presently Stop & Shop and Bradlees Plaza) at 400 East Main Street; and
- The Contours site at 340 East Main Street.

The Fenner site is 0.05112 east-southeast of the subject property, which is potentially upgradient of the subject property. The site was identified by the EcoSearch database as a Leaking Underground Storage Tank site, a RCRA Treatment, Storage and Disposal Site, and as a CERCLA site. The site was once owned and used by the Russell Manufacturing Company. A Final Preliminary Assessment Report written by NUS Corporation dated June 15, 1990 states that the groundwater on the site has been contaminated with benzene, toluene, and trichloroethylene. The groundwater was subsequently remediated by GZA GeoEnvironmental (GZA) and a 1997 Annual Groundwater Monitoring Report written by GZA stated that "based on the trend of decreasing VOC concentrations and our analysis of the recent and historic data in the context of the standards established in the RSRs, we believe that site conditions are in compliance with remedial criteria that would be applied to the Site if it were being evaluated today." They subsequently discontinued the groundwater monitoring. No independent assessment of the accuracy of this statement will be provided by W&C due to our inability to verify the data presented or the conditions applicable at the time of the prior studies. However, assuming that this information is accurate, there is not a significant threat of environmental risk associated with this neighboring property.

The Contours site is 0.06888 east-northeast of the subject property, which is potentially cross-gradient from the subject property. The site was identified by the EcoSearch database as a RCRA Notifier site. A spill report from 1984 at the CTDEP documents the release of 200 gallons of 1,1,1-trichloroethane (TCA) at the property. No other information was available at the CTDEP regarding the environmental liability at this site.

1.2 PURPOSE OF PHASE II

Based on the results of the Phase I Environmental Site Investigation, several areas of concern were identified both inside and outside the Russell Building.

It is W&C's understanding that the Russell Building will most likely be demolished, therefore, a Phase II investigation of the building is necessary to characterize building materials for disposal purposes.

The purpose of the subsurface investigation of the subject property is to determine the presence or absence of subsurface contamination. The objective is to determine if any of the areas of concern warrant additional investigation.

1.3 REGULATORY CRITERIA

To evaluate the construction materials and residues inside the Russell Building, sample results were compared to hazardous waste characteristic cut-off limits noted in 40 C.F.R. § 260.20 through 40 C.F.R. § 260.24. In order to properly dispose of the building materials after demolition, the building materials (wastes) must be characterized with respect to these cut-off limits. If any of the wastes have hazardous waste characteristics, they are assigned a hazardous waste number, which is used to track each hazardous waste to it's "grave".

For evaluating the areas outside of the Russell Building, sample results were compared to the CT RSRs dated January 1996. The RSRs provide a set of criteria that soil and groundwater characteristics must meet for a given land use or for a groundwater or surface water classification. If any of the criteria are not met, remediation such as soil removal and/or groundwater remediation may be required at the site to achieve the appropriate criteria levels. Relevant criteria for the subject site in Middletown, CT include:

- Industrial/Commercial Direct Exposure Criteria for soil;
- Pollutant Mobility Criteria for soil located in a GB groundwater area;
- Surface Water Protection Criteria for groundwater since the area is very close to Sumner Brook; and
- Industrial/Commercial Volatilization Criteria for groundwater.

1.4 CONSTITUENTS OF CONCERN

1.4.1 Inside Building

Constituents of concern (COCs) for the inside of the Russell Building include the following:

- Volatile organic compounds (VOCs);
- Total, and amenable cyanide;
- PCBs where there is indication of oily compounds; and
- Hazardous waste characteristics including:
  - Flash point;
  - Sulfide and cyanide reactivity;
  - Corrosivity, and
  - Toxicity.

Based upon analysis of activities occurring in the building, specific COCs include heavy metal and cyanide solutions used in plating operations, corrosive solutions and solvents such as xylene and toluene. In addition to these COCs used on site, PCBs are a potential COC because it is possible that at one time there was PCB-containing electrical equipment in the building over the years.

For these reasons, all building material and residue samples were analyzed as presented in Table 1-2.

TABLE 1-2 INDOOR SAMPLE ANALYSES

COC	METHOD OF ANALYSIS
Cyanide	EPA Method 9010
TCLP Metals	EPA Method 1311
VOCs	EPA Method 8260
reactivity	Method SW 846 Ch. 7
pH	Standard Method
Flash Point	Standard Method
PCBs	EPA Method 8082

1.4.2 Outside Building

COCs for outside of the Russell Building include total petroleum hydrocarbons (TPH), heavy metals and VOCs. The specific COCs for outside the Russell Building reflect those for the inside, except that additional two COCs are 1,1,1-trichloroethane due to the 1984 spill, which occurred at the Contours site, 0.069 miles east-northeast of the subject property and benzene, toluene and trichloroethylene that had once contaminated the groundwater at the former Fenner property 0.051 miles east-southeast of the subject property. See Section 1.1.4.

For this reason, all outdoor samples, including soil borings and groundwater, were tested for TPH and VOCs. In addition, the soil samples were also tested for total metals and selected samples were tested for leachable metals using the Toxicity Characteristic Leaching Procedure (TCLP). See Table 1-3 below.

TABLE 1-3 OUTDOOR SAMPLE ANALYSES

COC	METHOD OF ANALYSIS
TPH	EPA Method 418.1
VOCs	EPA Method 8260
TCLP RCRA 8 Metals	EPA Methods 1311 and 6010 for all RCRA 8 Metals except mercury, which is analyzed using EPA Method 7471
Total RCRA 8 Metals	EPA Method 6010 for all RCRA 8 Metals except mercury, which is analyzed using EPA Method 7471

SECTION 2

2.0 PHASE II FIELD METHODOLOGY

2.1 OVERVIEW

The Phase II Investigation consisted of 13 concrete chip samples, two wooden chip samples and six residue samples within the Russell Building and eight soil boring samples, two sub-building soil samples and two groundwater samples outside of the Russell Building. Figure 2-1 shows the approximate sampling locations within the building and Figure 2-2 shows the sampling locations outside of the building. A detailed discussion of the field procedures is presented below.

2.2 METHODOLOGY

All samples were shipped under proper Chain of Custody to Complete Environmental Testing, Inc. of Shelton, CT for analyses.

2.2.1 Inside Building

Concrete chip samples were collected using an electric-powered jack hammer. Residue samples were collected using a hand chisel. Wood chip samples were collected using an electric-powered hand drill. The electric hammer's chisel, drill bit, hand chisel and the sampling spoons were decontaminated between sampling locations with a soap and water wash and a DI water rinse.

On February 15, 2000, W&C completed sampling the chip samples and residue samples within the Russell Building to determine whether any of the materials within the building exhibited hazardous waste characteristics. Figure 2-1 presents the locations of the samples within the building. Table 2-1 describes the sampling locations, analyses, and reason for sample.

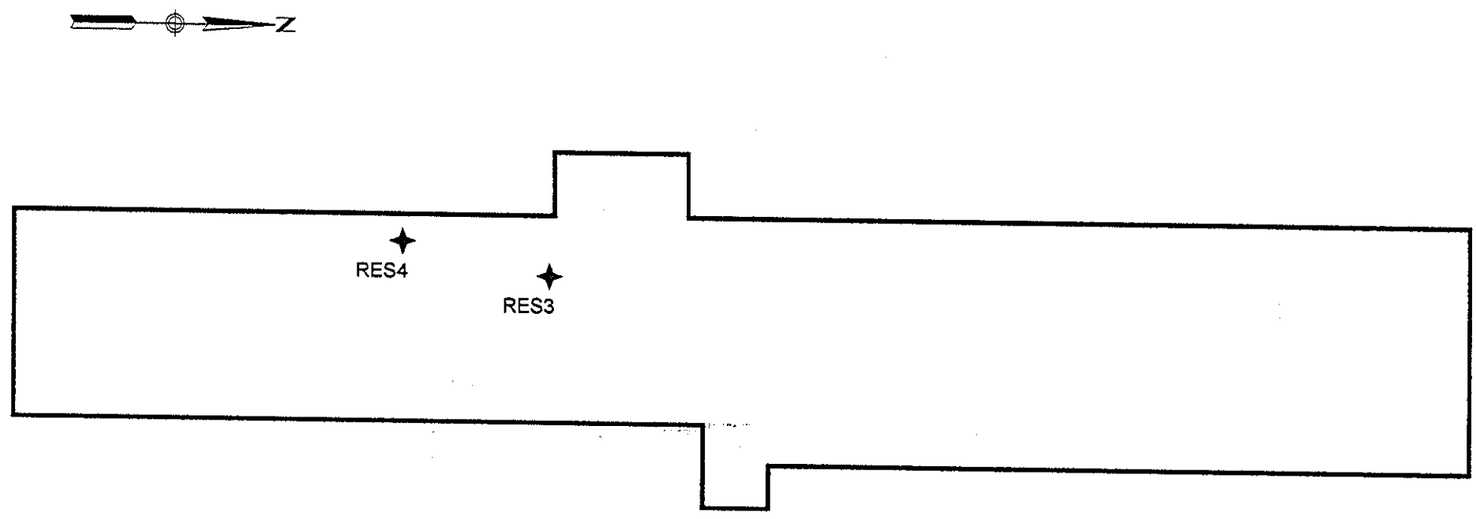
2.2.2 Outside Building

On January 11, 2000, eight borings were performed around the perimeter of the Russell Building. TEG North Atlantic drilled the borings using a Stratoprobe drill rig with a 1-inch diameter driver rod lined with acetate sample tubes. Continuous soil samples were collected at four-foot intervals to identify subsurface soil types and field screened using a Photovac Tip Photoionization Detector (PID). The Stratoprobe and associated rods were decontaminated between each boring. Soil samples are described in Table 2-2 below.

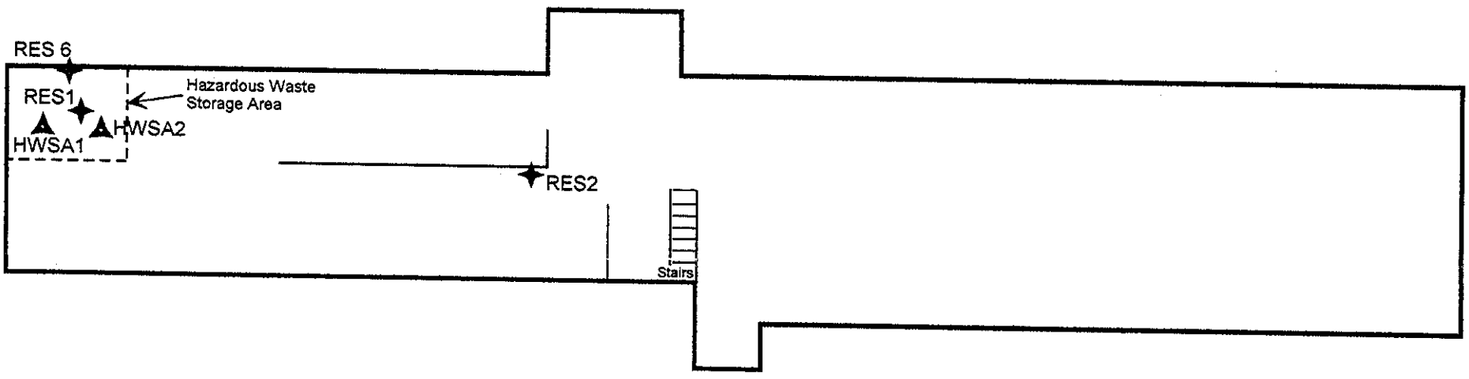
On January 12, 2000, groundwater from two existing monitoring wells was sampled, one monitoring well was located upgradient of the UST and the other located downgradient of the UST. See Figure 2-2. Each well was purged of over three well volumes using a dedicated bailer. Generally accepted good sampling techniques were implemented to maintain sample integrity. Groundwater samples are described in Table 2-2 below.

Soil samples from below the building were obtained on February 15, 2000 by drilling a hole in the wooden floor on the first level and then using a hand auger to sample the soil, the surface of which was about four feet below the floor level. The hand auger was decontaminated between sampling locations with soap and water wash and a DI water rinse.

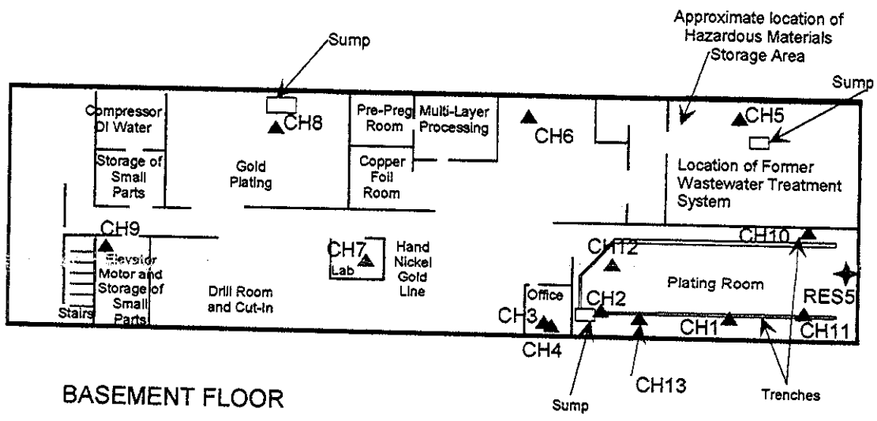
On February 15, 2000 the sediment in the catch basin immediately outside of the door leading to the hazardous waste storage area on the main floor and south side of the building was sampled using a hand auger. The hand auger was decontaminated prior to sampling.



SECOND FLOOR



FIRST FLOOR



BASEMENT FLOOR

Wood and Subsurface Soil Localtion

Chip Sample Location

Residue Sample Location

Approximate Scale in Feet

0 30 60

995238.01\basement

Figure 2-1
Building Layout
Tony Fonda
Russell Manufacturing Facility

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TABLE 2-1 INDOOR SAMPLING DESCRIPTIONS

SAMPLE NAME	SAMPLE LOCATION	SAMPLE MEDIA	CONSTITUENTS ANALYZED	COMMENTS
RES1	Main Floor, HW Storage Area	Green residue	TPH Cyanide Sulfide Flash Point PH TCLP Metals VOCs	Residue covered approximately 10% of floor in HW Storage Area and inside and outside of overhead piping was stained with residue. See Photograph 2.
RES2	Main Floor, north of RES1 in hallway	Reddish-brown resin	TPH PCBs TCLP Metals VOCs	Resin coated inside of 4-inch metal pipe, running downward from second floor, and had dripped and dried onto nearby wall. See Photograph 3.
RES3	Second Floor, across hall from stairway in room on west-side of building	Reddish-brown Oily material absorbed by commercial absorbent granules	TPH Cyanide Sulfide Flash Point PH PCBs TCLP Metals VOCs	A couple gallons of black oily material spilled on the floor. The source of the spill is unknown. See Photograph 4. May be same constituent as RES2. A stain of the same color is also found on the ceiling tiles, indicating that the overhead piping may have leaked RES 3 onto the floor as well as the ceiling tile.
RES4	Second Floor, one room south of RES3	Greenish-black powder and oily brownish-black tiny "chips"	TPH Cyanide Sulfide Flash Point PH PCBs TCLP Metals VOCs	Two 4-inch PVC pipes dropping from ceiling, several feet apart from each other. Sample material accumulated in areas below each of the pipes. Source of material is likely piping. See Photograph 5.

SAMPLE NAME	SAMPLE LOCATION	SAMPLE MEDIA	CONSTITUENTS ANALYZED	COMMENTS
RES5	Basement Floor, north end of Plating Room	Light gray powder	TPH Cyanide Sulfide Flash Point PH TCLP Metals VOCs	Powder found in fallen 15-inch PVC piping. This piping runs through entire plating room. See Photograph 6.
RES6	Main Floor, Hazardous Waste Storage Area	White viscous liquid, exhibited a bleach-like odor	TPH Cyanide Sulfide Flash Point PH TCLP Metals VOCs	The residue filled a 1-inch PVC pipe, approximately 20 feet long, hanging from ceiling next to the west wall. Piping ends on second floor level, flush with floor.
HWSA1-WOOD	Main Floor, Hazardous Waste Storage Area	Wood floor chips	TPH Cyanide Sulfide PH TCLP Metals VOCs	Sampled wooden floor where there was no greenish-white staining (RES1).
HWSA2-WOOD	Main Floor, Hazardous Waste Storage Area	Wood floor chips	TPH Cyanide Sulfide PH TCLP Metals VOCs	Sampled wooden floor where there was greenish-white staining (RES1).
CH1	Basement Floor Plating Room in area where concrete floor appears corroded and below hanging 15-inch PVC piping	Reddish-pink porous floor coating and sand-like material underneath coating	TPH Cyanide TCLP Metals VOCs	This was the only area where the floor coating was separable from the concrete beneath. Floor coating was stained green on underside. See Photograph 10.

SAMPLE NAME	SAMPLE LOCATION	SAMPLE MEDIA	CONSTITUENTS ANALYZED	COMMENTS
CH2	Basement Floor Plating Room, in trench immediately next to sump	Reddish-pink Porous floor coating and underlying concrete	TPH Cyanide TCLP Metals VOCs	Between floor coating and underlying concrete, there was a slightly green discoloration. See Photograph 11.
CH3	Basement Floor, small room south of Plating Room very close to one of the holes in the slab	Floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Concrete is only approximately ½ to 1-inch think in this area. Below concrete is reddish densely-packed soil embedded with small gravel. See Photograph 9.
CH4	Directly beneath CH3	Reddish densely-packed soil	TPH Cyanide TCLP Metals VOCs	See CH3 above.
CH5	Basement Floor former wastewater treatment room.	Floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Sampled part of floor stained whitish-green. Nearby sign warns "Hazardous Waste Storage Area."
CH6	Basement Floor, Room south of CH5	Floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Sampled near crack in floor. Nearby sign warns "Wear goggles When Chipping or Grinding." See Photograph 12.
CH7	Basement Floor, Small Lab	Concrete	TPH Cyanide TCLP Metals VOCs	No floor coating in this room, rather, floor was peeling paint. Sampled white and brown stained area. See Photograph 13.
CH8	Basement Floor, Former gold plating area	Floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Sampled stained area directly in front of sump.
CH9	Basement Floor, Former Storage Room	Floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Sampled area near elevator motor and other electrical equipment. See Photograph 14.

SAMPLE NAME	SAMPLE LOCATION	SAMPLE MEDIA	CONSTITUENTS ANALYZED	COMMENTS
CH10	Basement Floor Plating Room, NW Corner	Reddish-pink porous floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Sampled in unstained area two feet from trench.
CH11	Basement Floor Plating Room, NE Corner	Reddish-pink porous floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Sampled in trench at furthest location from sump.
CH12	Basement Floor Plating Room, SW Corner	Reddish-pink porous floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Sampled in unstained area two feet from trench.
CH13	Basement Floor Plating Room, SE Corner	Reddish-pink porous floor coating and concrete	TPH Cyanide TCLP Metals VOCs	Sampled in unstained area three feet from sump.

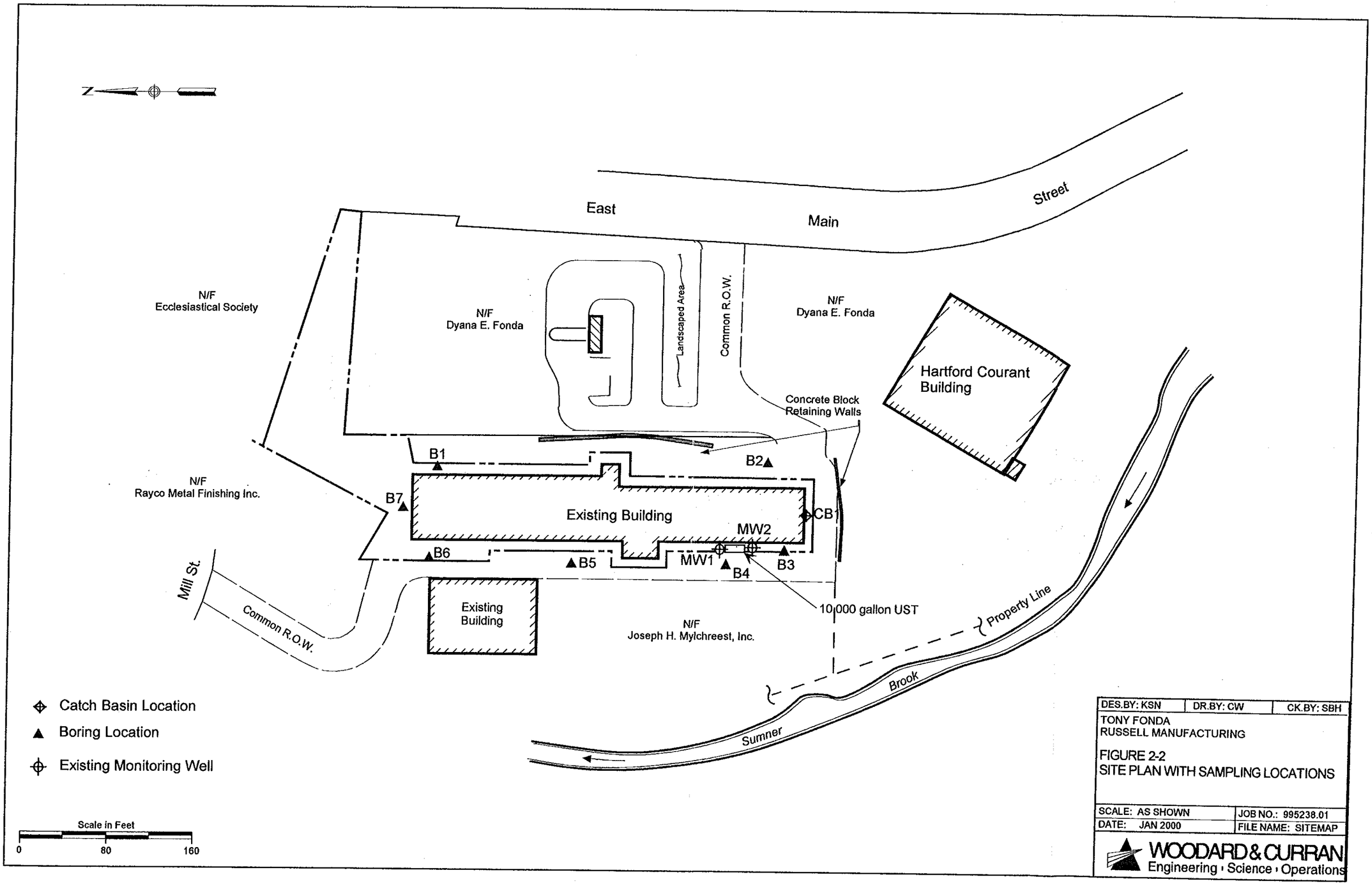
N
East
Main
Street
N/F
Ecclesiastical Society
N/F
Dyana E. Fonda
Landscaped Area
Common R.O.W.
N/F
Dyana E. Fonda
Hartford Courant
Building
Concrete Block
Retaining Walls
B1
B2
N/F
Rayco Metal Finishing Inc.
B7
Existing Building
CB1
MW2
B6
B5
MW1
B4
B3
Mill St.
Common R.O.W.
Existing
Building
N/F
Joseph H. Mylchreest, Inc.
10,000 gallon UST
Property Line
Brook
Sumner
Catch Basin Location
Boring Location
Existing Monitoring Well
Scale in Feet
0
80
160
DES.BY: KSN
DR.BY: CW
CK.BY: SBH
TONY FONDA
RUSSELL MANUFACTURING
FIGURE 2-2
SITE PLAN WITH SAMPLING LOCATIONS
SCALE: AS SHOWN
JOB NO.: 995238.01
DATE: JAN 2000
FILE NAME: SITEMAP
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TABLE 2-2 OUTDOOR SAMPLING DESCRIPTIONS

SAMPLE NAME	SAMPLE LOCATION	SAMPLE MEDIA	CONSTITUENTS ANALYZED	COMMENTS	
B-1	Upgradient of Plating Room	Soil	TPH Total Metals VOCs	Boring Depth (ft) Sampling Depth (ft) Depth of GW (ft)	6.5 4 – 6.5 Not encountered
B-2	Upgradient of Hazardous Waste Storage Room on Main Floor	Soil	TPH Total Metals VOCs	Boring Depth (ft) Sampling Depth (ft) Depth of GW (ft)	5.9 2 – 5.9 Not encountered
B-3	Downgradient of Hazardous Waste Storage Room on Main Floor and former loading/unloading area	Soil	TPH Total Metals TCLP Metals VOCs	Boring Depth (ft) Sampling Depth (ft) Depth of GW (ft)	8.0 4 – 8.0 Not encountered
B-4	Downgradient of UST	Soil	TPH Total Metals VOCs	Boring Depth (ft) Sampling Depth (ft) Depth of GW (ft)	8.5 0.5 – 3 Approximately 3
B-5	Near doorways on rear side (west) of building building	Soil	TPH Total Metals VOCs	Boring Depth (ft) Sampling Depth (ft) Depth of GW (ft)	2.8 0.5 – 2.8 Not encountered
B-6	Downgradient of Plating Room and Former Wastewater Treatment area and loading/unloading area	Soil	TPH Total Metals VOCs	Boring Depth (ft) Sampling Depth (ft) Depth of GW (ft)	5.4 2 – 5.4 Not encountered
B-7	Immediately adjacent (north) to Plating Room. Sampled soil at approximately same elevation as bottom of basement floor slab.	Soil	TPH Total Metals TCLP Metals VOCs	Boring Depth (ft) Sampling Depth (ft) Depth of GW (ft)	5.6 4.5 – 5.6 Not encountered

SAMPLE NAME	SAMPLE LOCATION	SAMPLE MEDIA	CONSTITUENTS ANALYZED	COMMENTS
B-8	Duplicate of B-7 location	Soil	TPH Total Metals TCLP Metals VOCs	Boring Depth (ft) 5.6 Sampling Depth (ft) 4.5 – 5.6 Depth of GW (ft) Not encountered
GW-1	Downgradient of UST	Groundwater	TPH VOCs	Water Level (ft) - 2.72 Well Depth (ft) 10.30
GW-2	Upgradient of UST	Groundwater	TPH VOCs	Water Level (ft) - 3.73 Well Depth (ft) 9.00
HWSA1-Soil	Under unstained part of wooden floor in Hazardous Waste Storage Area	Soil	TPH Total Metals TCLP Metals VOCs	Top four inches of soil sampled. There were many pipelines running between the wooden floor and the ground surface.
HWSA2-Soil	Under stained part of wooden floor in Hazardous Waste Storage Area	Soil	TPH Total Metals TCLP Metals VOCs	Top four inches of soil sampled. There were many pipelines running between the wooden floor and the ground surface.
CB1	South side of building immediately outside from door leading to hazardous waste storage area on the main floor	Sediment	TPH Total Metals TCLP Metals VOCs	Downgradient of indoor hazardous waste storage area. A 1.5' x 2.5' metal plate with a hole was covering the catch basin. There was stagnant water in the basin approximately 2.5 feet from the ground's surface. The sediment was approximately 1 foot deep. There was a 10-inch metal pipe drain headed westward.

2.3 QUALITY ASSURANCE/QUALITY CONTROL

In addition to the primary samples collected and analyzed for each boring, monitoring well, and building material, QA/QC samples were collected and analyzed. The QA/QC samples are described in Table 2-3 below.

TABLE 2-3 QA/QC SAMPLING DESCRIPTIONS

SAMPLE ID	QA/QC SAMPLE DESCRIPTION	ANALYSIS
Equipment Blank	Indoor sampling equipment blank	Total metals VOCs
Equipment Blank	Outdoor sampling equipment blank	TPH VOCs
Trip Blank	On trip blank for each sample cooler	VOCs
CH1 Dupe	Duplicate of CH1	Same as CH1
B8	Duplicate of B7	Same as B7
MW3	Duplicate of MW2	Sample as MW2
CH12 Dupe	Duplicate of CH12	Same as CH12

SECTION 3

3.0 PHASE II FINDINGS

This section describes the physical conditions encountered in the subsurface on site and summarizes the analytical results of the samples collected.

3.1 PHYSICAL DESCRIPTION

The subsurface investigation borings demonstrate that the shallow soils on most of the site are about two to eight feet deep and primarily consist of reddish sand, silt and clay with some gravel. Below the shallow soils there is a reddish-brown bedrock. This shallow bedrock is encountered above the water table at all but one boring locations on the subject site.

Groundwater is not encountered at any of the boring locations except boring 4, where it occurs at approximately 3 feet below the ground's surface (bgs). Also, the soil encountered in this boring 4 is reddish-brown sand from 4 feet to 8 feet bgs, which is a different soil compared to the soils encountered in the other borings on site. Boring 4 is directly adjacent to the UST and therefore, the sandy fill was used to bury the UST during installation. Since the surrounding soils are comprised of mostly clay and silt, this sandy fill is the most permeable area of the subsurface encountered on site. This creates a "bathtub" effect where the sandy fill surrounding the tank retains rainwater because it infiltrates much more slowly down through the clay soil toward the groundwater. Both existing monitoring wells are located within this "bathtub". This also concurs with the fact that the groundwater table is not within the shallow soils, rather it is in the bedrock.

The reddish-brown bedrock was encountered in most of the borings at approximately 6 to 8 feet and slopes down westward, toward Sumner Brook, where there are some bedrock outcrops on the banks of the brook. However, in borings 5 and 6, refusal was encountered at 2.8 feet and 5.4 feet, respectively. Several additional borings were drilled in the area of the original borings in an attempt to miss these rock obstructions and reach the bedrock, but these attempts did not result in deeper borings. The material at refusal in borings 5 and 6 was grayish-yellow rock and is not part of the bedrock, rather it is likely large rocks or boulders lying on top of the bedrock.

Soil boring logs describing subsurface conditions in greater detail are presented in Appendix F. In all cases the PID field screening of the soil samples collected ranged from zero to 2.5 ppm.

3.2 ANALYTICAL RESULTS

3.2.1 Inside Building

Some of the indoor samples exhibit RCRA hazardous waste characteristics as shown in Table 3-1, below. Laboratory analytical data for the residue and chip samples collected is provided in Table 3-2.

TABLE 3-1 INDOOR SAMPLES EXHIBITING HAZARDOUS WASTE CHARACTERISTICS

SAMPLE ID	HW CHARACTERISTIC AND ANALYTICAL RESULT		RCRA HW THRESHOLD LIMITS	UNIT
RES 1	Flash Point	135	< 140	°F
RES 3	Lead	9.9	5.0	mg/kg
	Chromium	58	5.0	mg/kg
RES 4	Lead	160	5.0	mg/kg
RES 6	PH	<1.0	<2.0	Standard units
HWSA1-WOOD	Lead	15	5.0	mg/kg
CH 2	Lead	5.3	5.0	mg/kg

TABLE 3-2
CHIP AND RESIDUE SAMPLING RESULTS
Russell Manufacturing
331 East Main Street, Middletown, CT

	Detection Limit	HW Char.	EPA HW No.	Units	RES1	RES2	RES3	RES4	RES5	RES6	HWSA1 WOOD	HWSA2 WOOD	CH1	DUPE OF CH1	CH2
TPH	50	-	-	mg/kg	ND	ND	ND	ND	ND	ND	760	29000	ND	ND	ND
Total Cyanide	5	-	-	mg/kg	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Cyanide	5	See Note	D003	mg/kg	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide	20	See Note	D003	mg/kg	ND	NA	ND	ND	ND	ND	ND	80	NA	NA	NA
Flash Point	250	< 140	D001	deg. F	135	NA	193	ND	150	ND	NA	NA	NA	NA	NA
pH	1 - 14	< 2 or >12.5	D002		6.33	NA	3.44	2.15	3.96	<1.0	2.14	6.62	NA	NA	NA
PCBs	0.50	-	-	mg/kg	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
TCLP METALS															
Pb	0.013	5.0	D008	mg/L	ND	2	9.9	160	0.79	0.84	15	0.037	1.4	0.6	5.3
Cd	0.005	1.0	D006	mg/L	ND	0.038	0.021	ND	0.0094	0.034	0.0079	ND	ND	ND	ND
Cr	0.05	5.0	D007	mg/L	ND	0.45	58	ND	0.21	0.36	1.9	ND	0.12	0.17	ND
As	0.05	5.0	D004	mg/L	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND
Se	0.01	1.0	D010	mg/L	ND	ND	ND	ND	0.016	ND	ND	ND	ND	ND	ND
Hg	0.002	0.2	D009	mg/L	ND	ND	0.0065	ND	0.013	ND	ND	ND	ND	ND	ND
Ba	0.05	100.0	D005	mg/L	0.46	0.46	1.1	3.3	0.35	1.6	0.16	0.57	0.35	0.24	0.45
Ag	0.02	5.0	D011	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu	0.05	None	None	mg/L	NA	NA	NA	NA	NA	40	130	81	NA	NA	NA
Ni	0.05	None	None	mg/L	NA	NA	NA	NA	NA	0.15	0.081	0.1	NA	NA	NA
VOLATILES*															
sec-Butylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND
Ethylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	7.9	ND	62
Isopropylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	450	140	ND	ND	6
MTBE	10.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	10	18	ND
Napthalene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5.0	-	F005	ug/kg	ND	ND	ND	ND	ND	ND	100	71	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13
Xylenes	5.0	-	F003	ug/kg	ND	ND	ND	ND	ND	ND	33	16	29	29.1	590

* This table only includes the volatiles that were detected in the suite of samples analyzed.

NE not established

ND not detected

NA not analyzed

Note: See 40 C.F.R. Section 261.23

Results in shaded cells exceed RCRA Hazardous Waste Threshold concentrations.

TABLE 3-2
CHIP AND RESIDUE SAMPLING RESULTS
Russell Manufacturing
331 East Main Street, Middletown, CT

	Detection Limit	HW Char.	EPA HW No.	Units	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	DUPE OF CH12	CH13
TPH	50	-	-	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Cyanide	5	-	-	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Cyanide	5	See Note	D003	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide	20	See Note	D003	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flash Point	250	< 140	D001	deg. F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	1 - 14	< 2 or >12.5	D002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs	0.50	-	-	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP METALS																
Pb	0.013	5.0	D008	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017	0.17	0.17
Cd	0.005	1.0	D006	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cr	0.05	5.0	D007	mg/L	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND
As	0.05	5.0	D004	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Se	0.01	1.0	D010	mg/L	ND	ND	ND	ND	ND	ND	0.01	0.017	ND	0.011	0.011	ND
Hg	0.002	0.2	D009	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ba	0.05	100.0	D005	mg/L	0.4	0.58	0.39	0.53	0.45	0.37	0.34	0.29	0.28	0.41	0.43	0.22
Ag	0.02	5.0	D011	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu	0.05	None	None	mg/L	NA	NA	NA	NA	NA	NA	NA	ND	0.43	0.57	1.6	5.7
Ni	0.05	None	None	mg/L	NA	NA	NA	NA	NA	NA	NA	ND	0.052	0.079	0.081	0.067
VOLATILES*																
sec-Butylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	-	None	ug/kg	ND	ND	190	ND	ND	640	ND	3900	670	200	440	2000
Isopropylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	25	11	ND	ND	19
4-Isopropyltoluene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	17000	ND	210	86	24	ND	280
MTBE	10.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34
Napthalene	5.0	-	None	ug/kg	ND	ND	9	ND	ND	470000	ND	ND	19	ND	40	ND
n-Propylbenzene	5.0	-	None	ug/kg	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND
Toluene	5.0	-	F005	ug/kg	ND	ND	11	ND	ND	790	ND	49	17	7.6	9.8	39
1,2,4-Trimethylbenzene	5.0	-	None	ug/kg	ND	ND	17	ND	ND	3100	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	-	None	ug/kg	ND	ND	25	ND	ND	1900	ND	64	22	6.2	9.7	47
Xylenes	5.0	-	F003	ug/kg	ND	ND	850	ND	ND	3900	ND	22100	6300	1780	3520	15200

* This table only includes the volatiles that were detected in the suite of samples analyzed.

NE not established

ND not detected

NA not analyzed

Note: See 40 C.F.R. Section 261.23

Results in shaded cells exceed RCRA Hazardous Waste Threshold concentrations.

3.2.2 Outside Building

Laboratory analytical data for the soil and groundwater samples collected is provided in Tables 3-3 and 3-4, respectively.

There were no VOCs detected in any of the soil samples taken from the borings on site.

TPH was detected in all of the soil samples except B7, although TPH was detected in sample B8, which is a duplicate of B7. All of the TPH levels were far below the CT RSR Industrial Direct Exposure Criteria (DEC) and the GB Pollutant Mobility Criteria (PMC) and they do not require any further action. The low-level TPH in the subsurface soils is indicative of a very old industrial area due to the non-point source run off from vehicles and day-to-day handling of petroleum hydrocarbons.

Low levels of total metals were detected in all of the soil samples. Lead, chromium, barium, copper and nickel were detected in nearly all of the soil samples in levels far below the DEC and therefore do not trigger any further action. Also, cadmium and arsenic were detected in the sample B6 at 1.4 mg/kg and 12 mg/kg, respectively. The cadmium level in B6 was far below the DEC, however the arsenic level slightly exceeded the DEC. This exceedance does not warrant any additional investigation because arsenic was not detected in any of the other ten outdoor soil samples and there is no indication that arsenic-containing compounds were ever used at the subject property.

Leachable metals were not detected in the soil samples analyzed, except for very low levels of barium ranging from 1.1 mg/kg to 1.2 mg/kg. This range is below 10 mg/kg, the PMC for barium, and does not require any further action to be taken.

Tetrachloroethene (PCE) was detected in the "groundwater" collected from MW1 and MW2 at levels of 4.4 ug/L and 11 ug/L. In addition, a duplicate sample collected from MW2 contained 12 ug/L of PCE. These concentration levels of PCE are below the Groundwater/Surface Water RSR Criteria and do not require any further action. No PCE was detected in the on-site soils and since both monitoring wells are situated in the sandy fill near the UST and this area fills up with run-off water, the source of the PCE is clearly from the runoff water infiltrating into the sandy fill.

Heavy metals, TPH and VOCs were detected in the catch basin sediment directly downgradient of the HW Storage Area and in the two soil sampled collected directly beneath the HW Storage Area. The levels detected indicate that activities in the HW Storage Area impacted the sediments in this catch basin and sub-floor soil, however, with one exception, the levels found did not exceed direct exposure and GB pollutant mobility RSR Criteria. The one exception is TCLP lead, which was found at a level of 0.31 mg/L in the HWSA1-Soil sample.

TABLE 3-3
SOIL SAMPLING RESULTS
Russell Manufacturing
331 East Main Street, Middletown, CT

	Detection Limit	D.E. I/C	GB P.M.	Units	B1	B2	B3	B4	B5	B6	B7	B8	HWSA1 SOIL	HWSA2 SOIL	CB1
TPH	50	2,500	2,500	mg/kg	250	98	76	56	69	77	ND	88	62	ND	1500
TOTAL METALS															
Pb	2.0	1,000	-	mg/kg	2.2	7	6.4	ND	13	5	2.5	3.1	150	89	560
Cd	1.0	1,000	-	mg/kg	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	4.1
Cr	2.0	NE	-	mg/kg	4	16	19	4.2	14	19	5.6	4.2	17	12	58
As	2.0	10	-	mg/kg	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND
Se	1.0	10,000	-	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hg	0.20	610	-	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	0.37	0.4	1.07
Ba	2.0	140,000	-	mg/kg	60	140	130	33	97	160	62	64	97	70	220
Ag	2.0	10,000	-	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu	2.0	76,000	-	mg/kg	6.5	13	15	9.9	22	34	4.8	6	330	780	260
Ni	2.0	7,500	-	mg/kg	5	16	23	5.5	14	16	6.9	4.7	16	11	110
TCLP METALS															
Pb	0.013	-	0.15	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	0.31	0.043	ND
Cd	0.005	-	0.05	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	0.0053
Cr	0.05	-	0.5	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND
As	0.05	-	0.5	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND
Se	0.01	-	0.5	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	ND	0.01	ND
Hg	0.002	-	0.02	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND
Ba	0.05	-	10	mg/L	NA	NA	1.2	NA	NA	NA	1.2	1.1	0.84	0.83	0.79
Ag	0.02	-	0.36	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND
Cu	0.05	-	13	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	1.8	8.7	0.1
Ni	0.05	-	1	mg/L	NA	NA	ND	NA	NA	NA	ND	ND	0.059	ND	0.18
VOLATILES															
4-Isopropyltoluene	5.0	NE	NE	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND
Napthalene	5.0	NE	NE	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND
1,2,4-Trimethylbenzene	5.0	NE	NE	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND
1,3,5-Trimethylbenzene	5.0	NE	NE	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND
Xylenes	5.0	1,000,000	19,500	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	25	10	5.6

ND not detected
NA not analyzed
NE not established
D.E. I/C is the CT RSR Direct Exposure Criteria for Industrial and Commercial Sites
GB P.M. is the CT RSR Pollutant Mobility Criterial for GB groundwater classified areas
Results in shaded cells exceed CT RSR criteria

TABLE 3-4
GROUNDWATER SAMPLING RESULTS
Russell Manufacturing
331 East Main Street, Middletown, CT

	Detection Limit	I/C Vol. Criteria	SW Protection Criteria	Units	Existing Wells MW1	Existing Wells MW2	Dupe of MW2	EQUIP BLANK
TPH	0.5	NE	NE	mg/L	ND	ND	ND	ND
VOLATILES*								
cis-1,2-Dichloroethylene	1.0	NE	NE	ug/L	1.0	ND	ND	ND
Tetrachloroethylene	1.0	3,820	88	ug/L	4.4	11	12	ND

*** This table only includes the volatiles that were detected in the suite of samples analyzed.**

NE not extablished

ND not detected

3.2.3 QA/QC Analysis

The equipment blanks and the trip blanks were non-detect for all the compounds analyzed.

Comparison of the duplicate samples showed that there was heterogeneity between the soil and concrete chip samples. This is not surprising since the soil and concrete sampled exhibited heterogeneity within the material. Although the duplicate samples did not meet the strict criteria for replicability, comparison of the duplicate samples showed that the duplicates were within the same order of magnitude; therefore the results are considered credible.

SECTION 4

4.0 DISCUSSION

4.1 HAZARDOUS WASTE STORAGE AREA ON MAIN FLOOR

The green residue (RES1) found on the wooden floor and in the piping on the main floor in the HW Storage Area exhibited hazardous waste characteristics due to ignitability. Based on the analytical results and observations for this site investigation, there is approximately 60 to 70 feet of 8-inch PVC overhead duct piping in the HW Storage Area that is potentially hazardous due to this residue. This duct work leads to a liquid drop and then exits the building through the outside wall and rises up alongside the building approximately 40 feet, and this additional length of piping also potentially exhibits hazardous waste characteristics.

The residue found in the 1-inch PVC line hanging from the ceiling of the HW Storage Area, RES6, was very caustic with a pH of below 1.0. This is a characteristic hazardous waste. This caustic residue was found in liquid form in the PVC line only, however there were white stains in the vicinity of the HW Storage Area, which may have originated from the residue sampled as RES6.

The wooden floor in the HW Storage Area, which was approximately 5-inches thick, was sampled in two locations: where there was no staining (HWSA1) and where there was green residue stains (HWSA2). HWSA1 was found to exhibit a toxic hazardous waste characteristic due to lead at a level of 15 mg/L. See Table 3-2. HWSA2 was not found to be a hazardous waste although it had elevated levels of heavy metals. The fact that there is one sample of two exhibiting hazardous waste characteristics indicates that other parts of the floor may also exhibit hazardous waste characteristics. Statistically, it is not possible to determine that the wooden floor's contamination is limited to any one area within the hazardous waste storage area. This floor can either be analyzed further to delineate the extent of the contamination or just consider the wooden floor in this room as a whole to be potentially hazardous waste.

4.2 SECOND FLOOR

The five-gallon spill on the second floor (RES 3) exhibited a toxic hazardous waste characteristic due to the elevated levels of lead and chromium. RES 3 may have originated from 8-inch metal overhead piping, since the inside of the piping and the ceiling tiles under the piping were stained the same color as the spill, reddish-brown. The piping ran up past the ceiling tiles and across the length of the room. It was unclear where the piping extended from there because it was within the structure of the building, which was inaccessible. This residue on the floor should be transferred into a container, along with the stained ceiling tiles and properly disposed. The piping that this residue spill originated from should be segregated, characterized and properly disposed.

The residue (RES4) found one room south from RES3 also exhibited a toxic waste characteristic due to the elevated level of lead. This residue was found spilled onto the floor (1 to 2 gallons) and originated from overhead piping. The piping consisted of three 10-foot 4-inch PVC sections hanging vertically, and one 90-foot 6-inch PVC arrangement. It was unclear whether this piping ended or continued within the structure of the building, which was inaccessible. This residue on the floor should be transferred into a container and properly disposed. The piping that this residue spill originated from should be segregated, characterized and properly disposed.

4.3 PLATING ROOM

One sample in the plating room, CH2, exhibited a toxic hazardous waste characteristic due to the elevated level of lead. CH2 was located in a shallow trench immediately next to the sump. All of the chip

samples in the plating room (CH1, CH2, CH10, CH11, CH12, CH13) had detectable levels of heavy metals and VOCs. Based on the plating room chip samples analyzed, a 15-foot square section of concrete floor around the sump should be segregated, characterized and properly disposed. The rest of the plating room floor should be segregated, tested and properly disposed of during demolition.

4.4 SUBSURFACE

The only remaining issue outside of the Russell Building is the soil below the building. Below the wooden floor in the vicinity of the Hazardous Waste Storage Area, there is a crawl space, approximately 4 feet high and this is where many process pipeline headers are laid out. This crawl space has a "dirt floor". Two soil samples were collected directly below the two wood floor samples. The analytical data for these two soil samples indicate that heavy metals and VOCs are present in this subfloor soil, TCLP lead exceeds the pollutant mobility RSR criteria, and therefore, additional investigation of the sub-building soils is warranted. The source of these chemicals is likely from the HW Storage Area activities and/or from the process pipelines. The soil contamination is not sufficiently delineated to pass CTDEP review. This area requires further delineation following building demolition. Based on the results of the delineation, remediation of these soils may or may not be required. This approach should not impact the demolition schedule.

SECTION 5

5.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase I and II Environmental Site Assessment was conducted at the former Russell Manufacturing facility at 331 East Main Street in Middletown, Connecticut to evaluate the risk of future liability due to environmental conditions, determine the presence or absence of subsurface contamination requiring additional investigation and identify any hazardous wastes within the Russell building requiring special disposal. The investigation was performed by Woodard & Curran on behalf of A.C. Fonda Enterprises, and is intended to satisfy part of the provisions of Section 22a-134 et. seq. of the Connecticut General Statutes.

5.1 GENERAL

Based on historical site usage and operations, the property is, in our opinion, an "establishment" as defined in Section 22a-134 of the Connecticut General Statutes. As such an Environmental Conditions Assessment Form and a Form III should be submitted within 10 days of a transfer of the property.

W&C has identified several potential hazardous waste materials within the Russell Building. Some of these materials are in the form of residues on floor surfaces, on other building materials and within pipes, while others consist of floor construction material (concrete, wood) in two areas within the building.

Woodard & Curran has not identified any issues that present a potential risk of environmental liability with respect to the subsurface investigation outside of the Russell Building. However, this investigation found that the soil beneath the Russell Building may have been impacted due to activities that have historically occurred in the building.

5.2 SPECIFIC ISSUES

W&C has identified the following specific issues as a result of this Phase I and II Environmental Site Assessment:

- There is both PVC and metal process piping and ductwork throughout the entire Russell Building. Some of this piping is known to contain characteristic hazardous waste residues.
- There are some construction materials in various parts of the Russell Building that exhibit hazardous waste characteristics.
- There is actual and potential contamination in soil beneath the building. Contamination was identified beneath the hazardous waste storage area, and is possibly present beneath the plating room and beneath piping in the crawl space beneath the southern half of the building.
- There is one registered UST, which is located on the west side of the subject property. This 10,000-gallon tank stores heating fuel and is within its life expectancy. No evidence of a release from the tank was identified.
- There is a catch basin located immediately downgradient and outside of the Hazardous Waste Storage Area and although a sediment sample from this catch basin did not exceed CT RSR criteria, it did contain elevated levels of heavy metals and VOCs.

5.3 RECOMMENDATIONS

W&C recommends that prior to and/or during building demolition, a certified hazardous waste contractor with proper training and health and safety protection should remove the materials that exhibit and potentially exhibit hazardous waste characteristics including all piping and ductwork. The hazardous waste contractor should segregate the materials and characterize each type of material for disposal purposes.

Residue and residue-containing pipes and ductwork should be removed, segregated, characterized and disposed prior to general demolition.

Contaminated building materials in the plating room and the hazardous waste storage area can be addressed during general demolition, but should be segregated, characterized and properly disposed of separately from other areas of the building.

Further investigation is warranted for the soils beneath the Russell Building to determine the extent of the soil contamination for remediation purposes. W&C recommends that this investigation take place after building demolition. If any soil does exceed RSR criteria, then the contaminated soils can be addressed after the general demolition.

W&C recommends that the UST should be removed from the site prior to building demolition in accordance with Section 22a – 449(d) – 107 et. Seq. of the Connecticut General Statutes.

W&C further recommends that the catch basin on the south side of the building adjacent to the hazardous waste storage area be cleaned prior to demolition of the building.

APPENDIX

APPENDIX A
LIMITATIONS

This report has been prepared under the terms and conditions of our Environmental Services Agreement with, and solely for the use by, the A.C. Fonda Enterprises (the Client), and may not be used by other parties for purposes of satisfying the requirements of a Phase I Environmental Site Assessment or other purposes without first obtaining the expressed written consent of Woodard & Curran (W&C). W&C shall bear no liability for any unauthorized use of the information contained in this report. In the event that new information not contained in this report is obtained relating to environmental or hazardous waste issues at the site or nearby, such information shall be brought to W&C's attention promptly and we may, upon evaluation, modify the conclusions stated in this report.

The evaluations contained in this report represent W&C's professional opinions and judgments based on the current, generally accepted engineering and technical practices for the nature and scope of this Phase I and II Environmental Site Assessment authorized by the Client. This environmental site assessment is based on the conditions observed on the dates of field observation noted and records review as described herein. It remains valid for a period of sixty days from the date of its issuance.

Neither an inspection nor testing of lead paint, radon gas, asbestos, polychlorinated biphenyls (PCBs), or urea formaldehyde insulation was conducted as a part of this Environmental Site Assessment. Likewise access was not available to conduct interviews with the previous property owners/tenants and maintenance personnel. Specific information on the normal practices of property owners and/or their tenants with regard to solid waste disposal, onsite use, generation, storage and/or disposal of chemicals or oil and hazardous materials was strictly as provided by the Site Representative. Privately obtained environmental monitoring data for the property was utilized only when made available to W&C by the Client or the Site Representative. Additionally, W&C has relied on information provided by various officials and other parties as referenced herein. Although believed to be accurate, W&C has not attempted to independently verify the accuracy or completeness of information provided by officials and other parties which was received or reviewed during the course of completing these services.

APPENDIX B
PHOTOGRAPHS

Photo 1: Russell Building.

Photo 2: Hazardous Waste Storage Room on first floor (RES1).

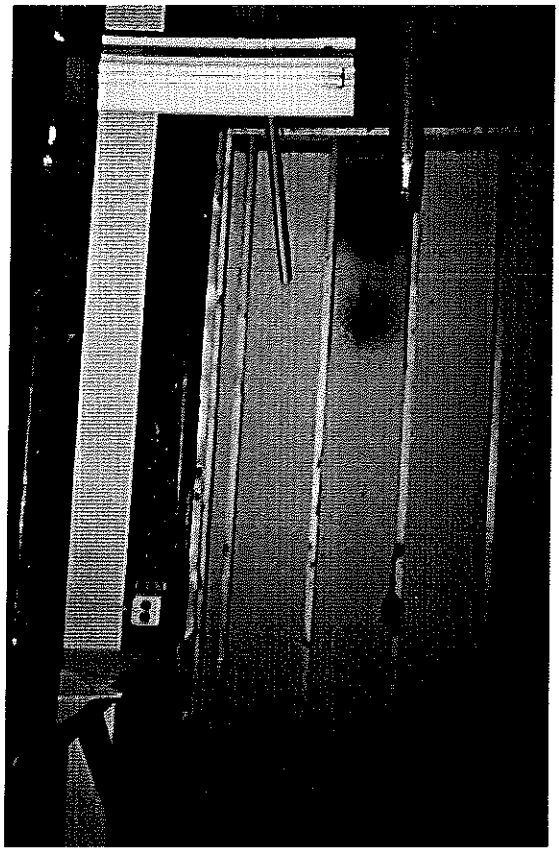


Photo 3: Hanging pipe with resin (RES2) on first floor.

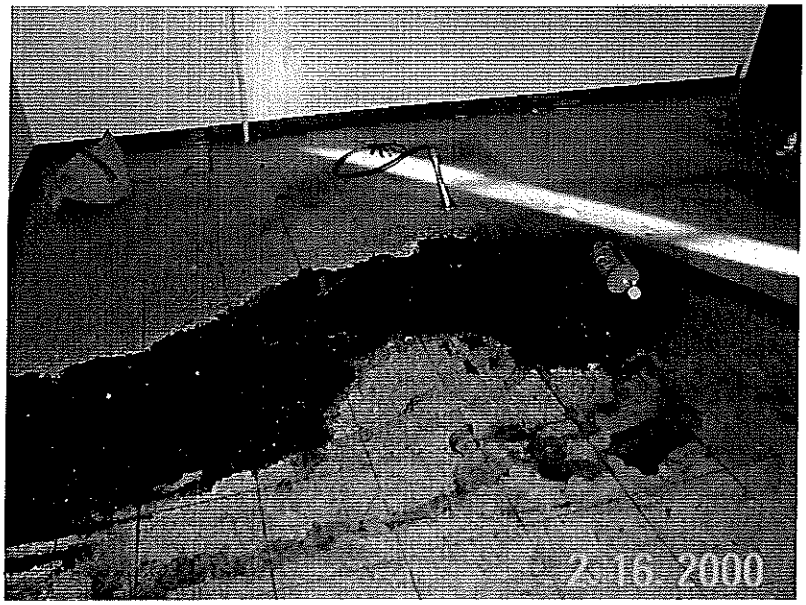


Photo 4: Oily spill on second floor (RES3).

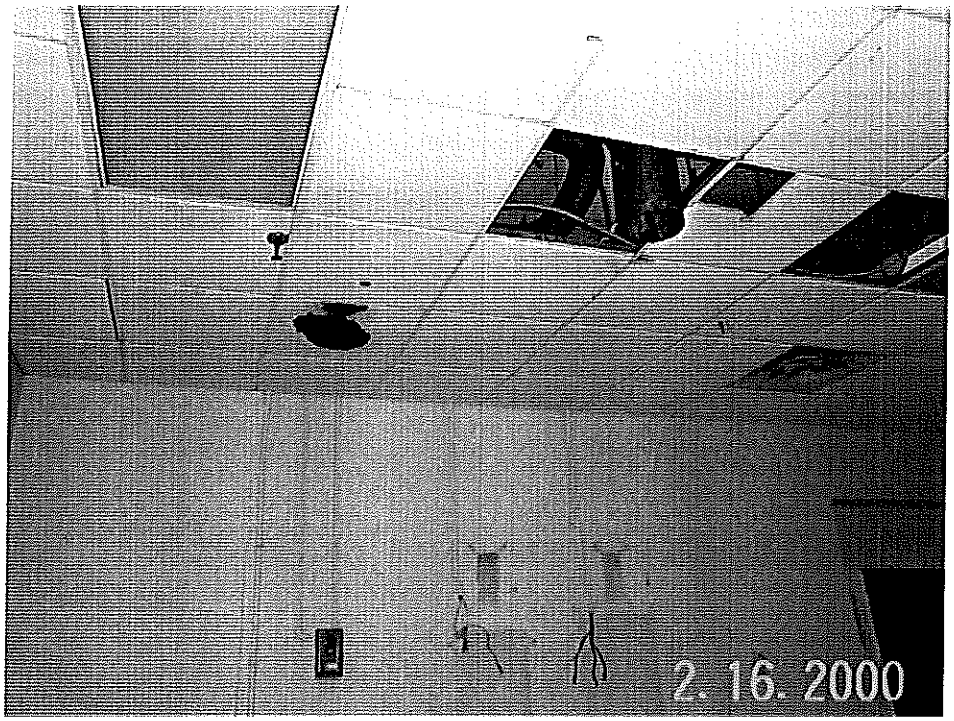


Photo 5: Stained Ceiling Tile Above (RES3) Spill.

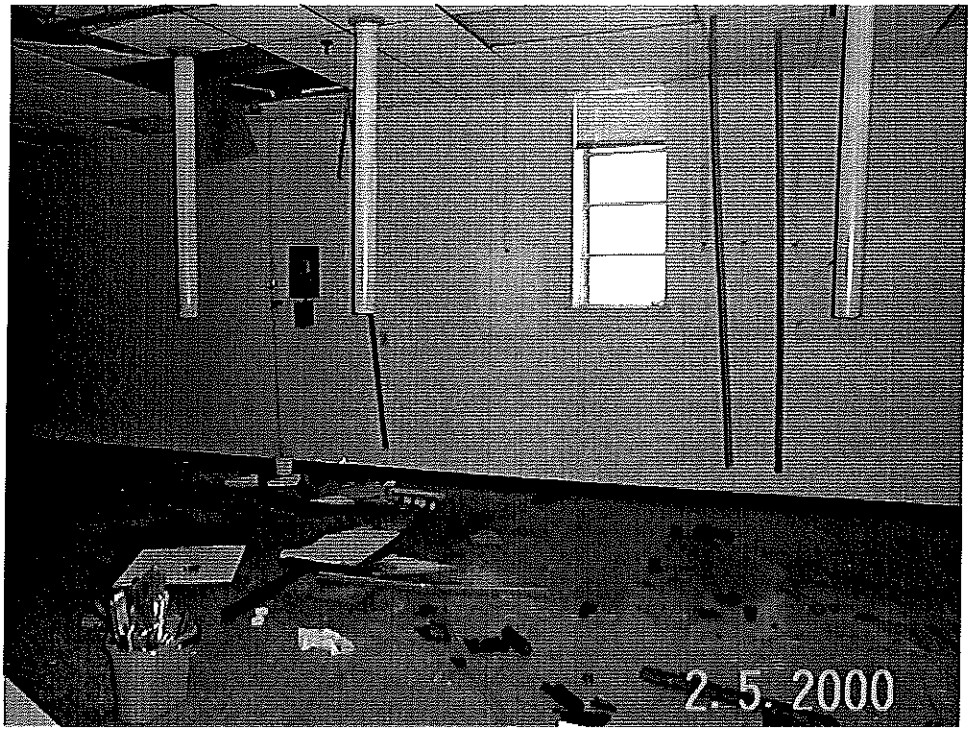


Photo 6: Overhead piping with greenish-black residue (RES4) on second floor.

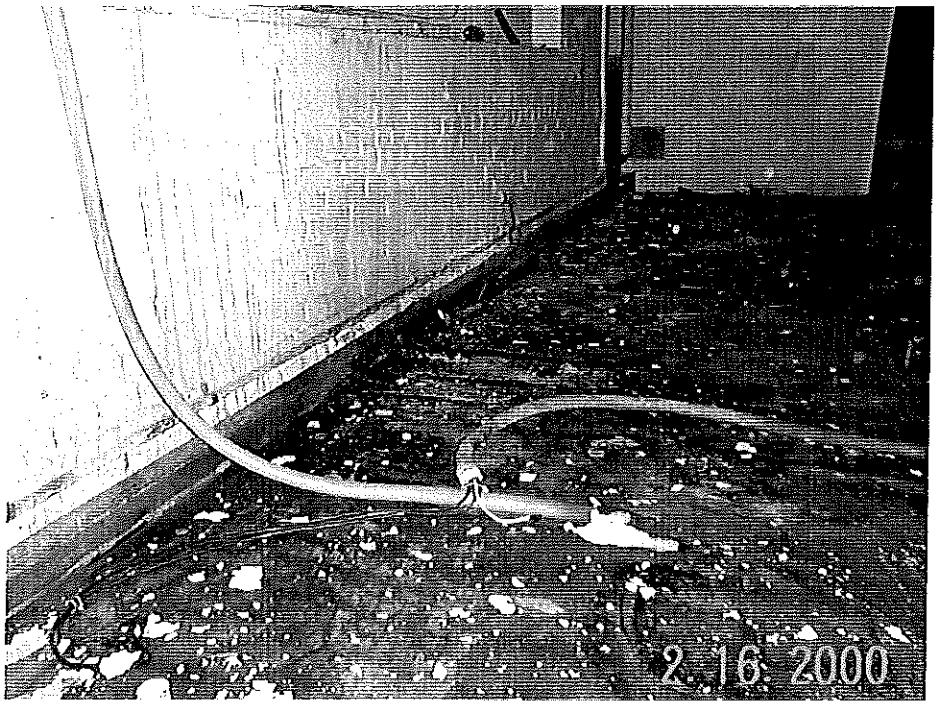


Photo 7: White residue in Hazardous Waste Storage Area (RES6).

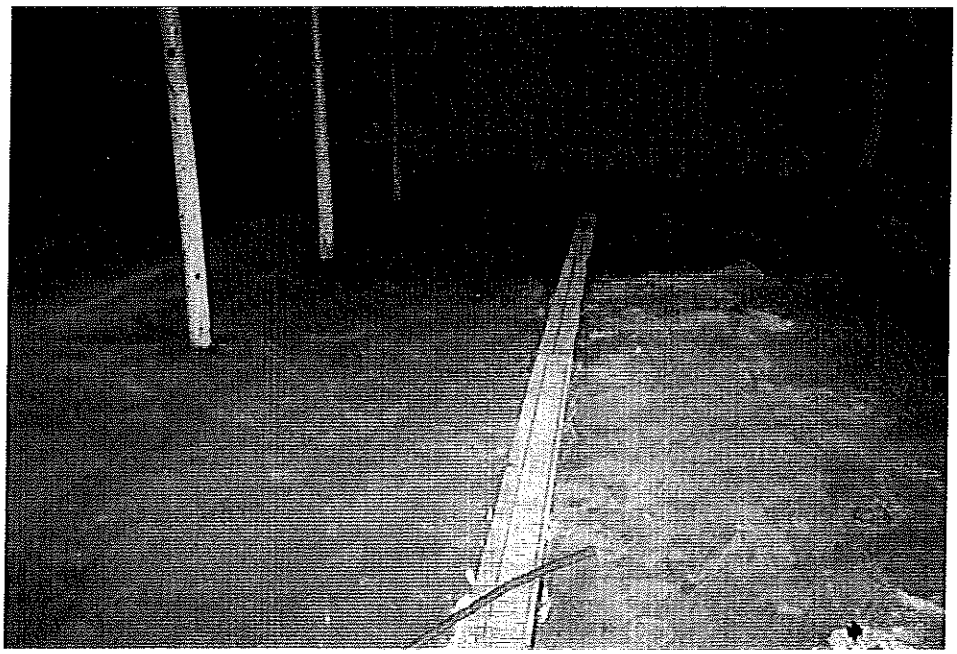


Photo 8: Plating room on basement floor.

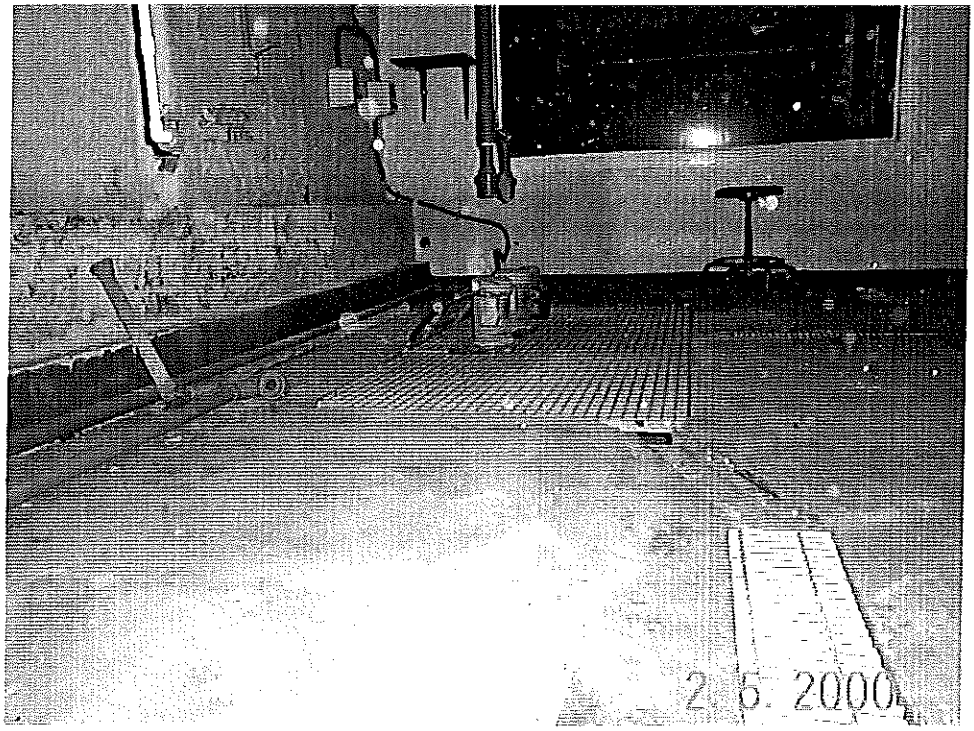


Photo 9: Trench and sump in plating room on basement floor.

Photo 10: Small room with holes in floor slab, next to plating room on basement floor (CH3 and CH4).

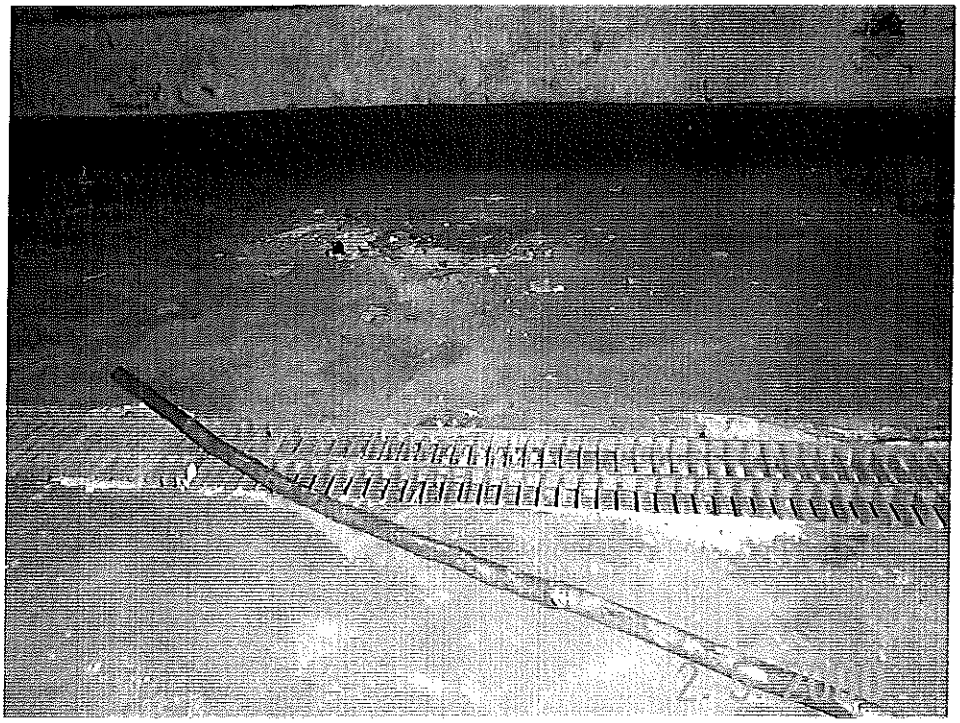


Photo 11: Location of sample CH1.

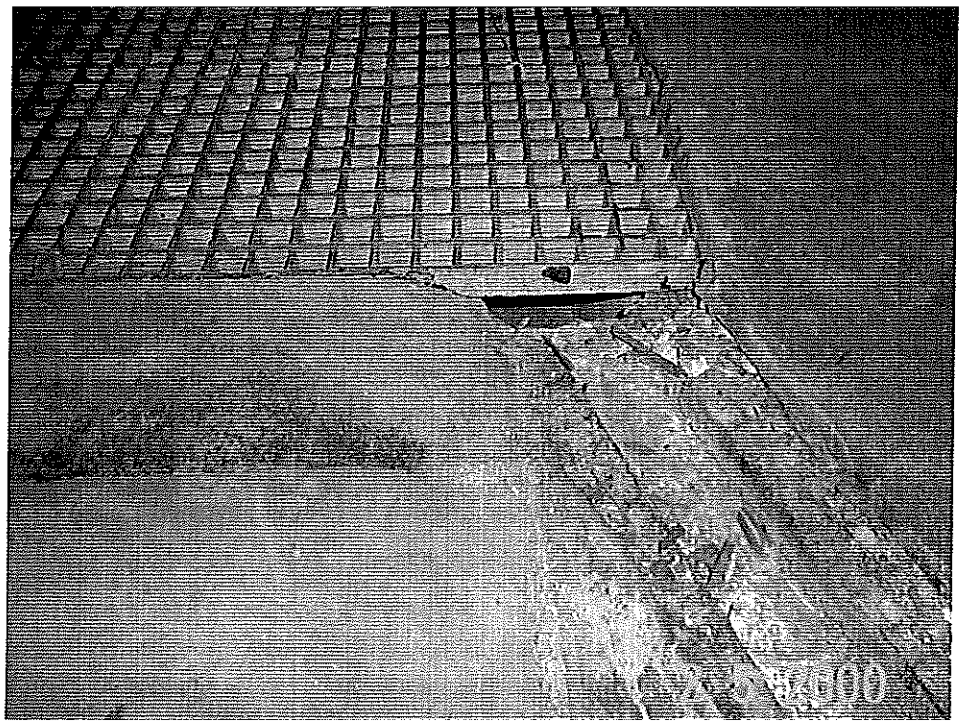


Photo 12: Location of sample CH2.

Photo 13: Location of CH7, small laboratory on basement floor.

APPENDIX C

SOURCES

A. Tax Assessor's Office, City of Middletown, December 16, 1999.

B. Building Inspectors Office, City of Middletown, December 16, 1999.

C. Town Clerk's Office, City of Middletown, December 16, 1999.

D. Planning Conservation and Development, City of Middletown, December 16, 1999.

E. CTDEP File Review conducted by Woodard & Curran, December 8, 1998.

F. USGS Topographic Map, Middletown, CT 1983.

G. Adopted Water Quality Classifications for the Connecticut River Basins, Sheet 1 of 2, 1994.

APPENDIX D

LIST OF WASTES GENERATED AT SUBJECT PROPERTY

ALPHA CIRCUITS' WASTE PROFILE

WASTE STREAM	ESTIMATED GENERATION RATE
copper chloride	6 – 7 drums/month
HCl/Solder Conditioner	1 drum/month
HCl (Tin/4% HCl)	1 drum/year
HCl (Electrosolder/ 10% HCl)	1 drum/year
nitric acid/Lead	10 drums/year
fluoroboric acid	4 drums/year
sulfuric acid/sulfuric resin	2 drums/year
glass etch/ammonium bifluorate	2 – 3 drums/year
palladium	1 drum/2years
Nickel sulfamate	1 drum/year
Cyanide-based gold bath	1 drum/3-4 years
Cyanide-based gold stripper	1 drum/3-4 years
Isopropyl alcohol	1 drum/year
NaOH	1 drum/year
Plating Rinses	20,000 gallons/day
Metal Hydroxide Sludge	1 yd^3 tote/month
Dry resist sludge (from WWTS)	1 6-yd roll-off/9-12 months
Rags with glycol ether	Varies
Solder flux rags	Varies
Routing wastes	Varies
Defective circuit boards	Varies
Scrap copper-clad material	Varies
Trash	Varies

APPENDIX E

ECOSEARCH SITE ASSESSMENT REPORT

EcoSearch Environmental Resources, Inc.

9365 Counselors Row Suite 104
Indianapolis, Indiana 46240
ph: (317) 574-8830 fax: (317) 574-8840

EcoSearch Environmental Site Assessment

Type of Report:	Instant Online Risk Report
Site Location:	**The Russell Manufacturing Facility** **331 East Main Street** **Middletown, CT 06416**
Date:	February 22, 1999
Report ID Number:	1663-4801
Especially Prepared For:	Mr. Fred Larsen Woodard & Curran, Inc.
Project #:	995036

Limits of Information:

Customer proceeds at its own risk in choosing to rely on EcoSearch Environmental Resources, Inc. ("EcoSearch") services, in whole or in part, prior to proceeding with any transaction. EcoSearch cannot be an insurer of the accuracy of the information, errors occuring in the conversion of data, or for customer's use of the data. EcoSearch and its affiliated companies, officers, agents, employees, and independent contractors cannot be held liable for accuracy, storage, delivery, loss, or expense suffered by the customer resulting directly or indirectly from any information provided by EcoSearch Environmental Resources, Inc.

Introduction

We want to thank you for your order requesting the enclosed site assessment.

EcoSearch makes every effort possible to combine the most accurate environmental data available into an understandable and easy-to-use format.

While every attempt has been made to ensure accuracy of the information presented, we cannot guarantee the accuracy of the data from the original sources, nor can we guarantee that no transcription or plotting errors have occurred.

If any concerns arise from your review of the databases in this report, please call the appropriate agency involved. As a service, we have included phone numbers in the database description section of this report to help you in your evaluation.

The enclosed maps present a working approximation of the location of surrounding environmental sites based primarily on available accurate site addresses. These maps should not be used for purposes more correctly handled by surveys.

EcoSearch is driven by its mission to present the most responsive, technically sound, and cost-effective environmental data services available to our customer.

Read Me First

The following suggestions are offered in an attempt to help you in using and understanding this site assessment from

1. Skim over the entire report to familiarize yourself with its contents and layout.

2. You will notice that the information is presented following this general concept: we begin by giving sections that summarize data and then give detailed information about these summaries as you proceed further into the report.

3. Then refer to the section titled "Statistical Overview". You will need to take a moment to read the column headings and the data below them. Also, as you go down the first column (left side) you will probably need to look back at the preceeding section titled "Database Descriptions". Please pay particular attention to the radius searched as they vary according to the database. These are ASTM standards that we meet and exceed. Your site's datum is the third, shaded column. Also, the next column showing database hits within the first radius is important as it will include data about adjoining properties. The unmappable sites have their own section with a cover page explaining them.

4. The next section titled "Maps" is important as it gives a very clear visual presentation of the site, and which database(s) are at the site itself or within the study radii.

5. The site summary page(s) tells you by map ID# which database is at that location as well as the site's name and distance/direction from your study site. You will notice that the numbering corresponds to the distance from the subject site-- eg. #1 is your site itself or the site closest to it, #2 is further away. This continues until all database hits have been summarized within the largest study radius. Your report may extend further than one mile if you asked us to extend the radii.

6. As you will recall our format goes from summary-type pages to detailed information. Therefore, the next section is "Detailed Data". Here extensive data is given about each database hit. The map ID#, distance, and direction are in the top left corner. Further data follows.

7. The "Unmappable" section was referred to earlier. In this summary you will find those sites. Please read the cover page as it describes unmappable sites and our efforts to minimize and/or eliminate them from all of our site assessments.

8. The last section -- "Glossary/Acronyms" is self-explanatory and often helpful to our customers.

If you would like further help in understanding our reports please refer to the frequently asked questions list on our web site or call as our intention is to have this report helpful to you.

Database Descriptions -- Federal Databases

NPL

National Priorities List

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(703) 603-8881

Data Date: October 7, 1998
Release Date: November 18, 1998
Active Date: December 9, 1998

The NPL is a subset of the CERCLIS and lists over 1,150 of the nation's most dangerous sites of uncontrolled or hazardous waste which require cleanup. Also known as the Superfund List, the sites are scored according to the hazardous ranking system.

CERCLA

Comprehensive Environmental Response, Compensation, and Liability Information System

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(800) 775-5037

Data Date: October 7, 1998
Release Date: November 18, 1998
Active Date: December 9, 1998

CERCLIS maintains information on over 15,000 sites nationally identified as hazardous or potentially hazardous which may require action. These sites are currently being investigated or an investigation has been completed regarding the release of hazardous substances. The most serious of this list as ranked by the hazardous ranking system are transferred to the NPL. For more complete information purposes we include sites which have been reclassified as No Further Remedial Action Planned (NFRAP) by the EPA. This action was taken by the EPA beginning February 1995 as a part of the Brownfields Redevelopment Program. These former CERCLIS sites, also known as the CERCLIS Archive, have been delisted because a lack of significant contamination was found.

RCRA TSD

Resource Conservation and Recovery Information System -- Treatment, Storage, and Disposal Facilities

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4348

Data Date: July 30, 1998
Release Date: September 15, 1998
Active Date: September 28, 1998

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The TSD database is a subset of the complete RCRIS file which includes facilities which treat, store, dispose, or incinerate hazardous waste. Additionally, compliance and corrective action (CORRACTS) information is included.

RCRA Generator

Resource Conservation and Recovery Information System -- Large and Small Quantity Generators

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4610

Data Date: July 30, 1998
Release Date: September 15, 1998
Active Date: September 28, 1998

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The generators database is a subset of the complete RCRIS file which includes hazardous waste generators which create more than 100kg of hazardous waste per month or meet other requirements of RCRA. We also include RCRA Notifiers, Transporters, and formerly regulated RCRA Sites for more complete hazardous waste information. Additionally, compliance and corrective action information is included.

RAATS

RCRA Administrative Action Tracking System

US Environmental Protection Agency
Office of Enforcement and Compliance Assurance
(202) 564-4104

Data Date: April 14, 1995
Release Date: Not Available
Active Date: April 17, 1995

The RCRA Administrative Action Tracking System contains additional information on RCRA enforcement actions. Data includes the type of action, proposed penalty, and final penalty amount.

ERNS

Emergency Response Notification System

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-2342

Data Date: August 12, 1998
Release Date: August 12, 1998
Active Date: August 26, 1998

ERNS is a national database which contains information on specific notification of releases of oil and hazardous substances into the environment. The system stores data regarding the site of the spill, the material released, and the medium into which it occured. As a joint effort, the Department of Transportation and the Environmental Protection Agency have collaborated to compile more than 290,000 records.

PADS

PCB Activity Database System

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-3992

Data Date: March 26, 1997
Release Date: Not Available
Active Date: July 14, 1998

This database stores information about facilities which handle PCBs and file EPA form 7710-53. It is divided into storage facilities, disposers, generators, and transporters.

TRI

Toxic Release Inventory

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-1531

Data Date: October 1995
Release Date: Not Available
Active Date: August 10, 1998

TRI contains information from facilities which manufacture, process, or import any of the over 300 listed toxic chemicals which are released directly into air, water, or land or are transported off-site. The database includes facts on amounts of chemicals stored and emitted from the facility. This database is released on an infrequent basis by the US EPA. EcoSearch includes information from 1987 through the 1995 reporting year.

SSTS

Section Seven Tracking System

US Environmental Protection Agency
Office of Prevention, Pesticides, and Toxic Substances
(202) 564-5008

Data Date: July 31, 1998
Release Date: Not Available
Active Date: August 27, 1998

Formerly FATES, this system tracks the registration of pesticide-producing establishments and tracks the types and amounts of pesticides, active ingredients, and devices which are sold, produced, or distributed annually.

DOCKET

Civil Enforcement Docket

US Environmental Protection Agency
Office of Enforcement
(202) 564-4114

Data Date: September 3, 1998
Release Date: Not Available
Active Date: February 3, 1999

The Civil Enforcement Docket is information on civil and administrative actions filed by the Department of Justice for the US Environmental Protection Agency. This record has been continually updated since 1972 and includes data regarding facility name, dates, laws violated, and penalties assessed.

TSCA

Toxic Substances Control Act Inventory

US Environmental Protection Agency

(202) 554-1404

Data Date: May 14, 1986
Release Date: Not Available

The Toxic Substances Control Act Inventory includes the locations and chemical production information of more than 7000 processors and manufacturers of chemicals. This database is no longer released to the public by the US EPA.

Database Descriptions -- State Databases

IHW

Connecticut Inventory of Hazardous Waste Sites

Connecticut Department of Environmental Protection
Waste Management Bureau
(860)424-3705

Data Date: July 10, 1998
Active Date: November 10, 1998

SWF

Connecticut Solid Waste Facilities Report

Connecticut Dept. of Environmental Protection
Waste Management Bureau
(860) 424-3372

Data Date: February, 1998
Release Date: February 20, 1998
Active Date: May 19, 1998

The Connecticut Solid Waste Facilities Report is a comprehensive listing of all permitted solid waste landfills and processing facilities operating within the State of Connecticut.

LUST

Connecticut Leaking Underground Storage Tank List

Connecticut Department of Environmental Protection
LUST Trust Program
(860) 424-3662

Data Date: May, 1997
Release Date: May 30, 1997
Active Date: May 19, 1997

The Connecticut LUST Report contains summary information pertaining to all reported leaking underground storage tanks located within the State of Connecticut.

UST

Connecticut Underground Storage Tank List

Connecticut Department of Environmental Protection
Underground Storage Tank Program
(860)424-3374

Data Date: October 2, 1998
Release Date: October 2, 1998
Active Date: November 14, 1998

The Connecticut UST Report is a comprehensive listing of all registered underground storage tanks located within the State of Connecticut.

Property Information					
331 East Main Street					
Middletown, CT 06416					
Latitude:	41.547344	N	Longitude:	72.640358	W

Search Parameters	
Report:	Instant Online Risk Report
Radii:	ASTM*
Zip Code(s):	06416
City:	Middletown

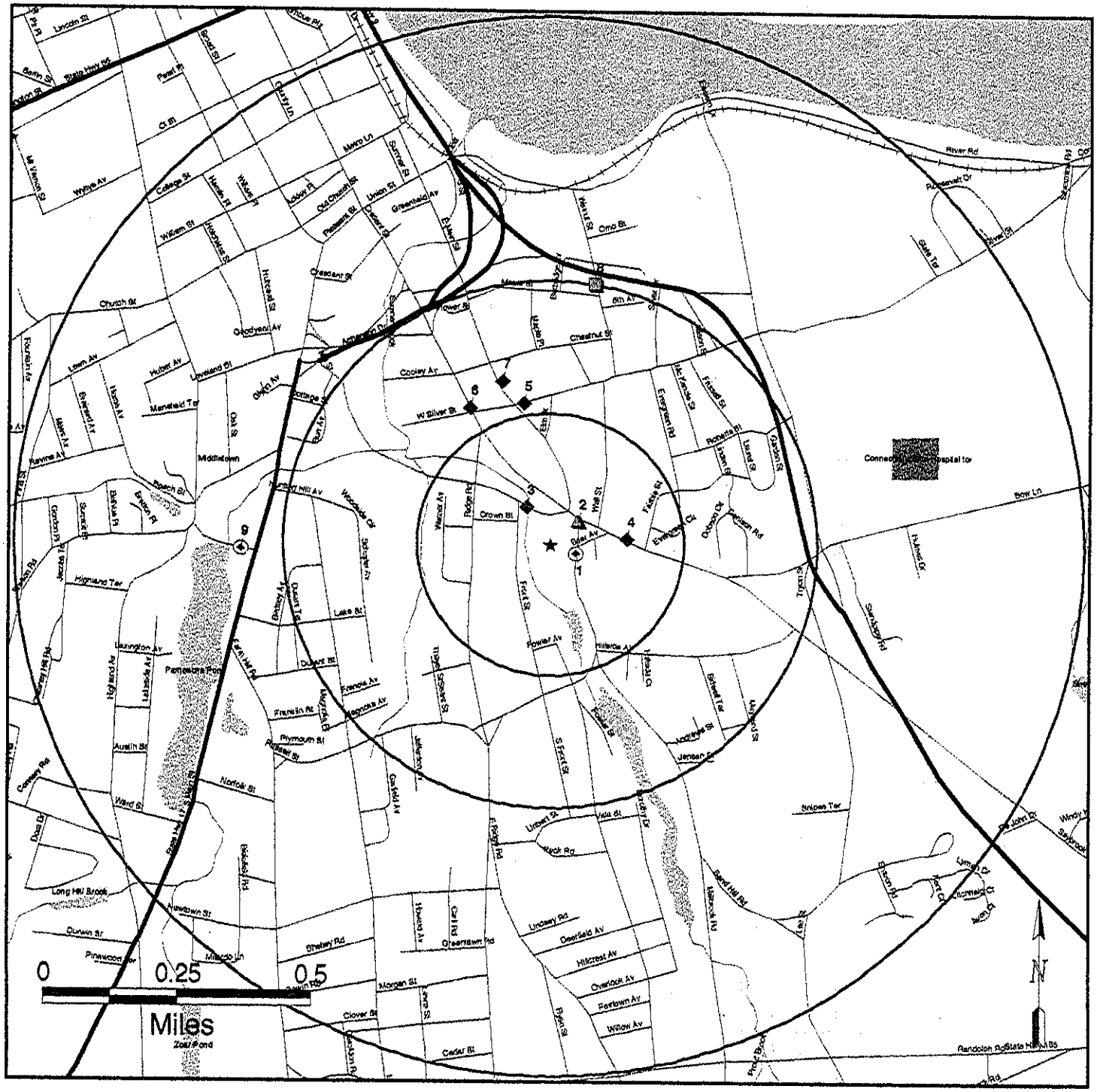
FEDERAL DATABASES	Radius (miles)	Mappable Sites					Unmappable Sites		
		Total	Site	within 1/4mi	0.25 - 0.50mi	0.50 - 1.00mi	Zip Code	City	County
NPL	1.000	0	0	0	0	0	0	0	0
CERCLA	1.000	3	0	1	1	1	2	0	0
RCRA TSD	1.000	2	0	1	0	1	0	-	-
RCRA Generator	0.250	1	0	1	-	-	8	-	-
ERNS	0.250	0	0	0	-	-	-	-	-
PADS	1.000	1	0	0	0	1	1	-	-
TRI	0.500	0	0	0	0	-	1	0	0
SSTS	1.000	0	0	0	0	0	0	0	0
DOCKET	1.000	0	0	0	0	0	0	0	0
TSCA	1.000	0	0	0	0	0	0	-	-

STATE DATABASES	Radius (miles)	Mappable Sites					Unmappable Sites		
		Total	Site	within 1/4mi	0.25 - 0.50mi	0.50 - 1.00mi	Zip Code	City	County
IHW	1.000	1	0	1	0	0	0	0	0
SWF	1.000	0	0	0	0	0	0	0	0
LUST	0.500	5	0	2	3	-	2	0	0
UST	0.250	1	0	1	-	-	17	0	0

MANUAL GEOCODING:^ EcoSearch has performed no previous manual geocoding work in the cities or towns of your report. If you wish to upgrade to a manually geocoded Priority Risk Report, please call EcoSearch.

* This database search and study radii meets or exceeds the ASTM (American Society of Testing and Materials)standards for a government records review. N/A denotes an ASTM-required database which is not available from the state.
^ Manual Geocoding: Plotting environmental site data using paper maps and phone calls to properly place the information on the map.

Accurate street addresses are required for records to be found at the study property.
Mappable Sites are environmental sites which were located and appear on the enclosed EcoSearch Map, Site Summary, and Detailed Data sections of the report. These sites are summarized based on proximity to the study site.
Unmappable Sites are governmental records with incomplete or inaccurate address information. These sites could not be located on the street map, but have been searched by the Zip Codes, Cities, and County specified in the search parameters. Further investigation of these sites and their relationship to your study site is necessary.



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Instant Online Risk Report Map

Report ID: 1663-4801
Site: 331 East Main Street
Middletown, CT 06416

★ Study Site
Study Site Matches Database

FEDERAL DATABASES	Radius (mi)
NPL Sites	1.0
CERCLA Sites	1.0
RCRA TSD Sites	1.0
RCRA Generator Sites	0.25
ERNS Sites	0.25
PADS Sites	1.0
TRI Sites	0.50
SSTS Sites	1.0
DOCKET Sites	1.0
TSCA Sites	1.0
STATE DATABASES	
IHW Sites	1.0
SWF Sites	1.0
LUST Sites	0.50
UST Sites	0.25

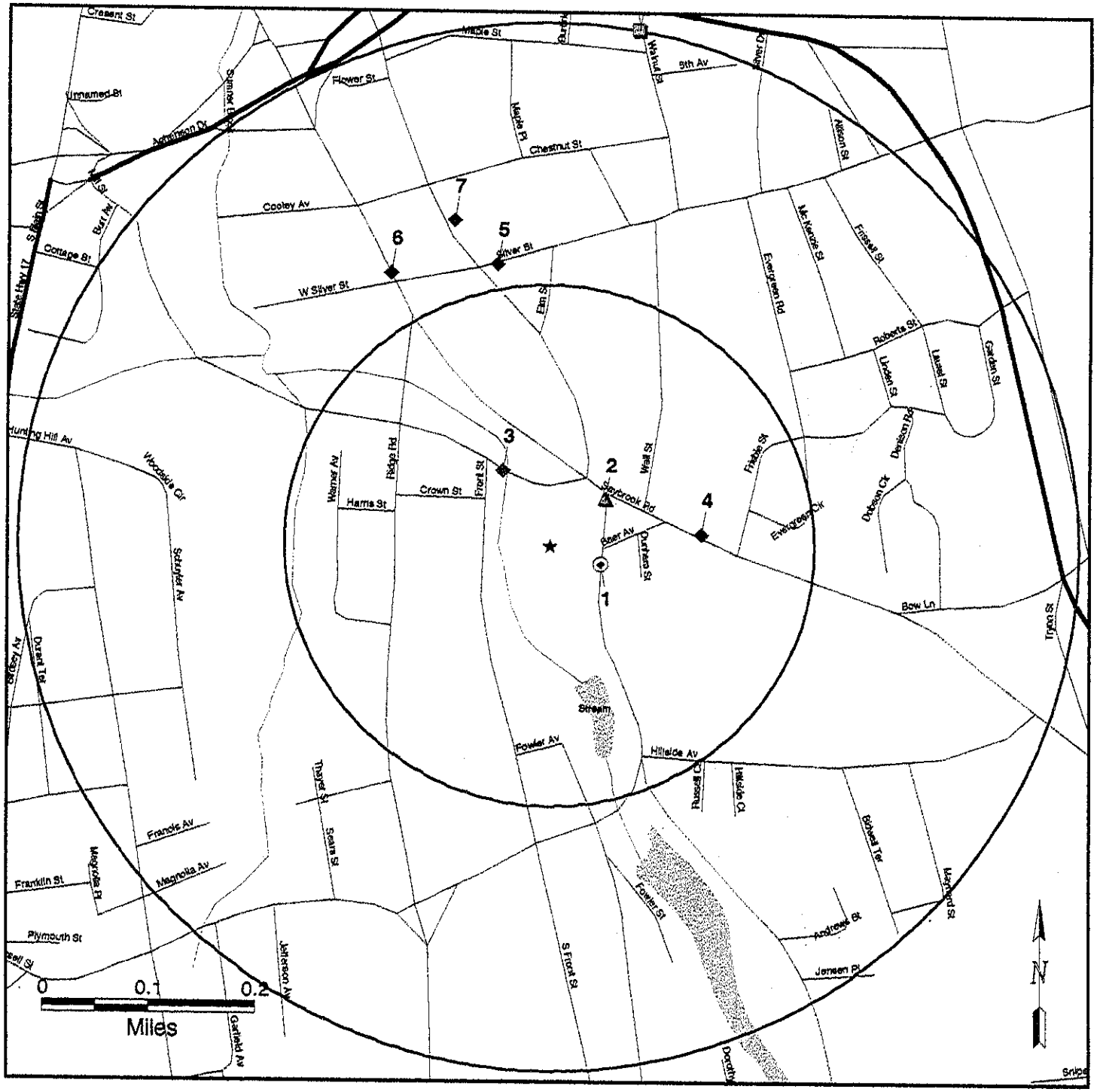
MULTIPLE MATCHES / AREAS

Two Database Matches
Three or More Matches
Database Area Site

MAP LEGEND

Parks
Incorp. Areas
Water
Cemeteries
Streets
Secondary Roads
Primary Roads
Freeways
Railroads
Boundaries

Radii: 1/4 mile, 1/2 mile, 1 mile



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Instant Online Risk Report Map

Report ID: 1663-4801
Site: 331 East Main Street
Middletown, CT 06416

★ Study Site
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FEDERAL DATABASES	Radius (mi)
NPL Sites	1.0
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RCRA Generator Sites	0.25
ERNS Sites	0.25
PADS Sites	1.0
TRI Sites	0.50
SSTS Sites	1.0
DOCKET Sites	1.0
TSCA Sites	1.0
STATE DATABASES	
IHW Sites	1.0
SWF Sites	1.0
LUST Sites	0.50
UST Sites	0.25

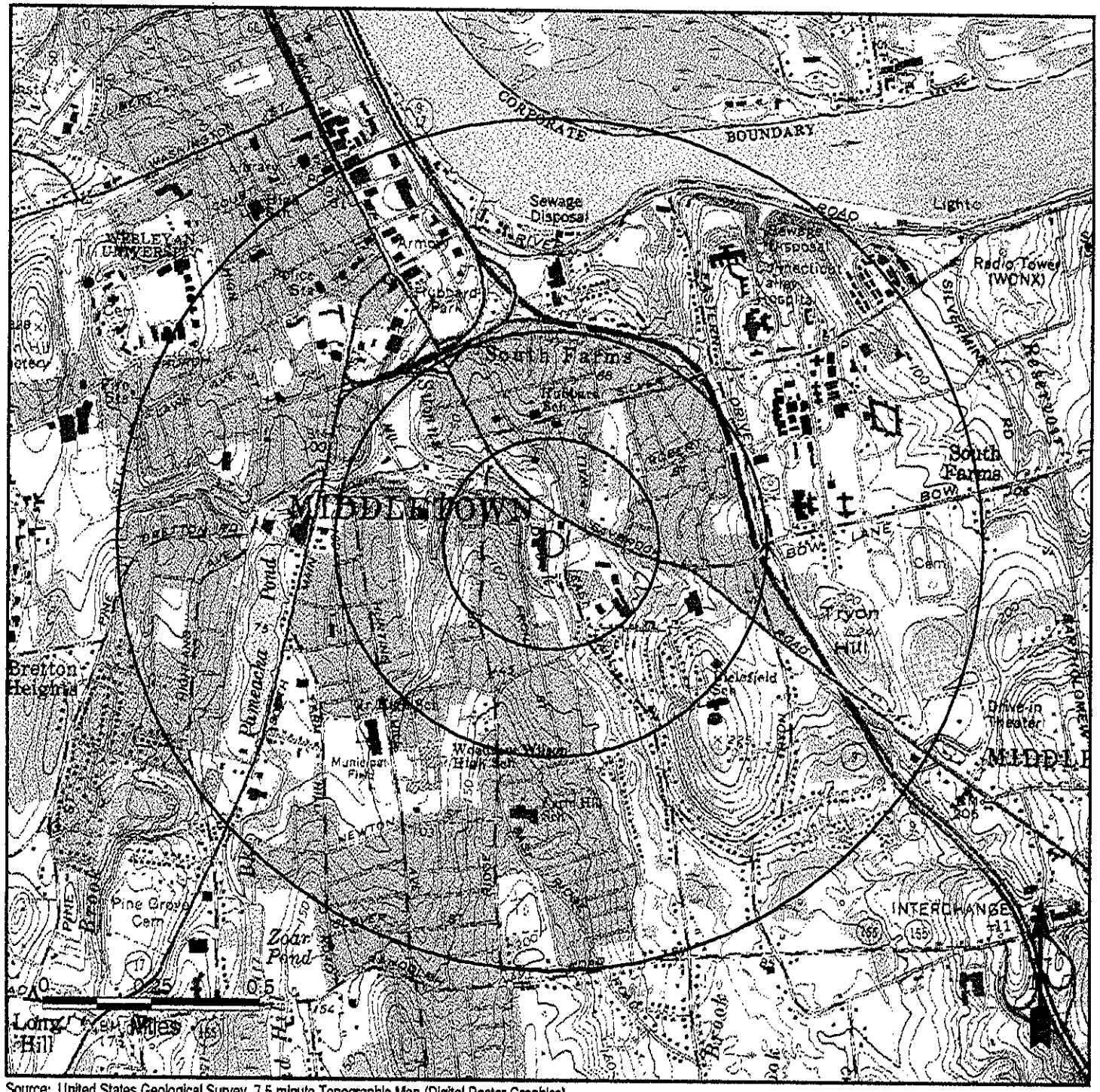
MULTIPLE MATCHES / AREAS

Two Database Matches
Three or More Matches
Database Area Site

MAP LEGEND

Parks
Incorp. Areas
Water
Cemeteries
Streets
Secondary Roads
Primary Roads
Freeways
Railroads
Boundaries

Radii: 1/4 mile, 1/2 mile, 1 mile



Source: United States Geological Survey, 7.5 minute Topographic Map (Digital Raster Graphics)

EcoSearch Environmental Resources, Inc.

USGS 7.5 Minute Topographical Map

Report ID: 1663-4801
Site: 331 East Main Street
Middletown, CT 06416

○ Study Site

Map Features are Color Coded

Black -- Cultural features such as roads and buildings.

Blue -- Hydrographic features such as lakes and rivers.

Brown -- Hypsographic (elevation) features shown by contour lines.

Green -- Woodland cover, scrub, orchards, and vineyards.

Red -- Important roads and public land survey system.

Purple -- Features added from aerial photographs during map revision. The changes are not field checked.

A detailed Topographic Map Symbols pamphlet is available from EcoSearch free upon request.

Radii: 0.25 mile, 0.50 mile, 1.00 mile

Topographical Maps:

Middletown, CT -- 1965
Photorevised 1992
Middle Haddam, CT -- 1961
Photorevised 1984

Site Summary

Map ID#	Database / Agency ID#	Site Name, Address, and County	Distance/Direction
1A	IHW Connecticut Inventory of Hazardous Waste Sites 630	FENNER AMERICA 400 E MAIN ST MIDDLETOWN, CT 06457-4509 MIDDLESEX	0.05112 mi ESE
1B	RCRA TSD RCRA TSD and Generator CTD052542669	FENNER AMERICAN LTD 400 E MAIN ST MIDDLETOWN, CT 06457-4509 MIDDLESEX	0.05112 mi ESE
1C	LUST Connecticut Leaking Underground Storage Tank 910603 06457 HU	HURAND REALTY CO. 400 E MAIN ST MIDDLETOWN, CT 06457-4509 MIDDLESEX	0.05112 mi ESE
1D	CERCLA CERCLA Site (Delisted NFRAP Site) CTD052542669	FENNER AMERICA, LTD 400 E MAIN ST MIDDLETOWN, CT 06457-4509 MIDDLESEX	0.05112 mi ESE
2	RCRA Generator RCRA Notifier Site CTD085070043	CONTOURS INC 340 E MAIN ST MIDDLETOWN, CT 06457-4509 MIDDLESEX	0.06888 mi ENE
3	UST Connecticut Underground Storage Tank 9068	PHYSICAL PLANT 27 MILL ST MIDDLETOWN, CT 06457-4440 MIDDLESEX	0.08433 mi NW
4	LUST Connecticut Leaking Underground Storage Tank 920305 06457 BR	BRADLEY'S 71 SAYBROOK RD MIDDLETOWN, CT 06457-4748 MIDDLESEX	0.14373 mi E
5	LUST Connecticut Leaking Underground Storage Tank 1411	U.S. POST OFFICE 11 SILVER ST MIDDLETOWN, CT 06457-9998 MIDDLESEX	0.27368 mi NNW
6	LUST Connecticut Leaking Underground Storage Tank 890804 06457 RO	RON'S SERVICE STATION 169 MAIN STREET EXT MIDDLETOWN, CT 06457-3814 MIDDLESEX	0.30046 mi NW
7	LUST Connecticut Leaking Underground Storage Tank 1412	PERSONAL AUTO CARE 168 E MAIN ST MIDDLETOWN, CT 06457-3809 MIDDLESEX	0.32395 mi NNW
8	CERCLA CERCLA Site CTD062199369	MARINO PROPERTY 50 WALNUT ST MIDDLETOWN, CT 06457-3848 MIDDLESEX	0.49997 mi NNE

Site Summary

Map ID#	Database / Agency ID#	Site Name, Address, and County	Distance/Direction
9A	RCRA TSD RCRA Disposal Facility CTD021814207	NORTH & JUDD INC 56 PAMECHA AVE MIDDLETOWN, CT 06457-4207 MIDDLESEX	0.57805 mi W
9B	PADS PCB Activity Database Site CTD021814207	WILCOX - CRITTENDEN FOUNDRY 56 PAMECHA AVE MIDDLETOWN, CT 06457-4207 MIDDLESEX	0.57805 mi W
9C	CERCLA CERCLA Site (Delisted NFRAP Site) CTD021814207	NORTH & JUDD/G & W 56 PAMECHA AVE MIDDLETOWN, CT 06457-4207 MIDDLESEX	0.57805 mi W

* – Manually Geocoded: Site plotted or corrected using paper maps, phone calls, and other resources to properly place the site on the map.

** – Agency Provided Lat/Long: Site plotted using the latitude and longitude given by the federal or state government agency.

*** – Area Manually Plotted: Area manually drawn using digital and paper maps.

Detailed Data

The following pages contain the detailed data concerning the sites plotted on the map and included in the site summary.

Please Note: Pages are not included for databases not found within the search radii.

These pages are arranged as follows:

CERCLA Data

Delisted CERCLA Data

RCRA TSD and Generators Data

PADS Data

Connecticut IHW Data

Connecticut LUST Data

Connecticut UST Data

CERCLA Data

Comprehensive Environmental Response, Compensation, and Liability Act Sites

Map ID#: 8
Distance (mi): 0.499968
Direction: NNE

EPA ID#: CTD062199369
CERCLIS Site ID#: 0102630
Status: This site is currently under investigation by the federal government to assess the extent of further action

Facility Name: MARINO PROPERTY
Address: 50 WALNUT STREET
City, State, Zip: MIDDLETOWN, CT 06457
County: MIDDLESEX

Federal Facility Indicator: Not a Federal Facility
Ownership Indicator: Private
Comments: Not Reported

NPL Status: Not on the NPL
RCRIS Facility Indicator: Not Reported

Event	Date Started	Date Completed
DISCOVERY	Not Reported	1992-09-08
PRELIMINARY ASSESSMENT	Not Reported	1995-05-04
REMOVAL ASSESSMENT	1990-10-31	1990-10-31
SITE INSPECTION	1994-09-07	1995-05-04

CERCLA Archive Data

Delisted Comprehensive Environmental Response, Compensation, and Liability Act Sites (Archive Sites)

Map ID#: **1D**
Distance (mi): **0.051118**
Direction: **ESE**

EPA ID#: **CTD052542669**
CERCLIS Site ID#: **0101816**
Status: This site has been delisted from CERCLIS
No Further Remedial Action Planned

Facility Name: **FENNER AMERICA, LTD**
Address: **400 EAST MAIN STREET**
City, State, Zip: **MIDDLETOWN, CT 06457**
County: **MIDDLESEX**

Federal Facility Indicator: **Not a Federal Facility**
Ownership Indicator: **Unknown**
Comments: **Not Reported**

NPL Status: **Not on the NPL**
RCRIS Facility Indicator: **Yes (RCRA Facility)**

Event	Date Started	Date Completed
DISCOVERY	Not Reported	1989-01-24
PRELIMINARY ASSESSMENT	Not Reported	1990-04-04

Map ID#: **9C**
Distance (mi): **0.578047**
Direction: **W**

EPA ID#: **CTD021814207**
CERCLIS Site ID#: **0102622**
Status: This site has been delisted from CERCLIS
No Further Remedial Action Planned

Facility Name: **NORTH & JUDD/G & W**
Address: **56 PAMEACHA AVENUE**
City, State, Zip: **MIDDLETOWN, CT 06457**
County: **MIDDLESEX**

Federal Facility Indicator: **Not a Federal Facility**
Ownership Indicator: **Unknown**
Comments: **Not Reported**

NPL Status: **Not on the NPL**
RCRIS Facility Indicator: **Environmental Priority Initiative Site**

Event	Date Started	Date Completed
DISCOVERY	Not Reported	1991-07-26
PRELIMINARY ASSESSMENT	Not Reported	1992-08-19

RCRA TSD and Generators Data

Facility and Compliance Information

Map ID#: 1B
Distance (mi): 0.051118
Direction: ESE
EPA ID#: CTD052542669
Status: Large Quantity Generator Storage/Treatment Facility

Name: FENNER AMERICAN LTD
Address: 400 E MAIN ST
City, State, Zip: MIDDLETOWN CT 06457

Land Type: Unknown

SIC Code: 2241
Contact Name: MARK-S STEPHENS
Contact Phone: 203-346-7721

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #:	19841102001	Agency:	State	Evaluation Date:	11/02/1984
Eval. #:	19841127002	Agency:	State	Evaluation Date:	11/27/1984
Eval. #:	19851202003	Agency:	State	Evaluation Date:	12/02/1985
Eval. #:	19851202004	Agency:	State	Evaluation Date:	12/02/1985
Eval. #:	19890918005	Agency:	State	Evaluation Date:	09/18/1989
Eval. #:	19910228006	Agency:	State	Evaluation Date:	02/28/1991

VIOLATIONS

Viol. #:	CTD052542669S0001	Violation Type:	TSD - Closure / Post-Closure Requirements	Actual Resolution Date:	02/05/1986
Viol. #:	CTD052542669S0002	Violation Type:	TSD - Financial Responsibility Requirements	Actual Resolution Date:	02/05/1986
Viol. #:	CTD052542669S0003	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	02/05/1986
Viol. #:	CTD052542669S0004	Violation Type:	TSD - Other Requirement		
Viol. #:	CTD052542669S0005	Violation Type:	TSD - Closure / Post-Closure Requirements		
Viol. #:	CTD052542669S0006	Violation Type:	TSD - Financial Responsibility Requirements		
Viol. #:	CTD052542669S0007	Violation Type:	TSD - Other Requirement		
Viol. #:	CTD052542669S0009	Violation Type:	TSD - Closure / Post-Closure Requirements		
Viol. #:	CTD052542669S0010	Violation Type:	TSD - Financial Responsibility Requirements		

ENFORCEMENTS

Enf. #:	19850829001	Agency:	State	Type:	Final 3008(a) Compliance Order	Date:	08/29/1985

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Event Date	Event Description	Agency	Program	Reported Status
6/30/90	RFA Completed	EPA	RCRA	Assessment was PA-Plus
9/15/93	Corrective Action Prioritization	EPA	RCRA	Medium Priority
4/14/95	Stabilization Measures Evaluation	EPA	RCRA	Not Reported

Map ID#: 2
Distance (mi): 0.069882
Direction: ENE
EPA ID#: CTD085070043
Status: RCRA Notifier (Former RCRA Site)

Name: CONTOURS INC
Address: 340 E MAIN ST
City, State, Zip: MIDDLETOWN CT 06457

Land Type: Unknown

SIC Code:
Contact Name: HAROLD BUTLER
Contact Phone: 203-237-8331

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #:	19880720001	Agency:	State	Evaluation Date:	07/20/1988

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

RCRA Wastes and Waste Code Information previously reported by EcoSearch have been removed from the RCRIS database by the USEPA.

RCRA TSD and Generators Data

Facility and Compliance Information

No Corrective Action Instrument Information for this Site

Map ID#:	9A	Distance (mi):	0.578047	Name:	NORTH & JUDD INC		
		Direction:	W	Address:	56 PAMEACHA AVE		
EPA ID#:	CTD021814207			City, State, Zip:	MIDDLETOWN	CT	06457
Status:	Land Disposal Site						
Land Type:	Unknown			SIC Code:	3362		
				Contact Name:	KAREN HARSELL		
				Contact Phone:	203-632-2600		

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #:	19860128001	Agency:	Oversight-by-EPA	Evaluation Date:	01/28/1986
Eval. #:	19870923002	Agency:	State	Evaluation Date:	09/23/1987
Eval. #:	19880603003	Agency:	State	Evaluation Date:	06/03/1988
Eval. #:	19890908004	Agency:	State	Evaluation Date:	09/08/1989
Eval. #:	19900726005	Agency:	State	Evaluation Date:	07/26/1990
Eval. #:	19930126	Agency:	State	Evaluation Date:	01/26/1993
Eval. #:	19941128	Agency:	State	Evaluation Date:	11/28/1994

VIOLATIONS

Viol. #:	CTD021814207S0001	Violation Type:	TSD - Financial Responsibility Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0002	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	12/22/1988
Viol. #:	CTD021814207S0003	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	12/22/1988
Viol. #:	CTD021814207S0006	Violation Type:	TSD - Land Ban Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0008	Violation Type:	Generator - Any Requirements		
Viol. #:	CTD021814207S0009	Violation Type:	Generator - Any Requirements		
Viol. #:	CTD021814207S0010	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0011	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0012	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0013	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0014	Violation Type:	Transporter - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0015	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0016	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0017	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0018	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0019	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993
Viol. #:	CTD021814207S0020	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	01/26/1993

ENFORCEMENTS

Enf. #:	19880920006	Agency:	State	Type:	Final 3008(a) Compliance Order	Date:	09/20/1988
Enf. #:	19920520	Agency:	State	Type:	Civil Action for Compliance	Date:	05/20/1992
Enf. #:	19940621	Agency:	State	Type:	Final Judicial -- Judicial Orders	Date:	06/21/1994

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Event Date	Event Description	Agency	Program	Reported Status
8/19/92	RFA Completed	EPA	RCRA	Assessment was PA-Plus
9/1/92	Corrective Action Prioritization	EPA	RCRA	Medium Priority

RCRA Wastes and Waste Code Information previously reported by EcoSearch have been removed from the RCRIS database by the USEPA.

PADS Data

PCB Activity Database Data

Map ID#:	9B	Distance (mi):	0.578047		
		Direction:	W	Name:	WILCOX - CRITTENDEN FOUNDRY
				Address:	56 PAMEACHA AVE
EPA ID:	CTD021814207			City, State, Zip:	MIDDLETOWN, CT 06457-
				EPA Region:	1
Facility Ownership:	Not a Federal Facility				
Generator:	Active	Transport Facility:	No		
Storage Facility:	No	Disposal Facility:	No		

Connecticut IHW Data

Connecticut Inventory of Hazardous Waste Sites List Data

Map ID#:	1A	Distance (mi):	0.05112	Name:	FENNER AMERICA
		Direction:	ESE	Address:	400 EAST MAIN STREET
Agency ID:	630			City, State, Zip:	MIDDLETOWN, CT

Groundwater Class:	GA
Waste Type:	SOLVENTS
Disposal Type:	SOIL AND GROI
Estimated Amount:	
Comments:	SRD-0008

Connecticut LUST Data

Connecticut Leaking Underground Storage Tank Data

Map ID#: 1C
Distance (mi): 0.05112
Direction: ESE
Agency ID: 910603 06457 HU
Name: HURAND REALTY CO.
Address: 400 EAST MAIN ST.
City, State, Zip: MIDDLETOWN, CT 06457

Date	Type / Gallons	Substance	Removed	Uncontrolled Release	Remediated	NFA	Resp. Party Paid
06/03/91	2000/STEEL	Heating Fuel	Yes	Yes	SOIL REMOVAL	Yes	Yes

Map ID#: 4
Distance (mi): 0.14373
Direction: E
Agency ID: 920305 06457 BR
Name: BRADLEY'S
Address: 71 SAYBROOK RD.
City, State, Zip: MIDDLETOWN, CT 06457

Date	Type / Gallons	Substance	Removed	Uncontrolled Release	Remediated	NFA	Resp. Party Paid
03/05/92	550/STEEL	Heating Fuel	Yes	Yes	SOIL REMOVAL	No	Yes
03/05/92	1000/STEEL	Heating Fuel	Yes	Yes	SOIL REMOVAL	No	Yes

Map ID#: 5
Distance (mi): 0.27368
Direction: NNW
Agency ID: 1411
Name: U.S. POST OFFICE
Address: 11 SILVER ST.
City, State, Zip: MIDDLETOWN, CT 06457

Date	Type / Gallons	Substance	Removed	Uncontrolled Release	Remediated	NFA	Resp. Party Paid
02/28/90	6000/STEEL	Heating Fuel	Yes	No	SOIL REMOVAL	Yes	Yes
03/14/90	10,000/STEEL	Heating Fuel	Yes	Yes	SOIL REMOVAL	No	Yes

Map ID#: 6
Distance (mi): 0.30046
Direction: NW
Agency ID: 890804 06457 RO
Name: RON'S SERVICE STATION
Address: 169 MAIN ST EXT.
City, State, Zip: MIDDLETOWN, CT 06457

Date	Type / Gallons	Substance	Removed	Uncontrolled Release	Remediated	NFA	Resp. Party Paid
08/04/89	STEEL/8000	Gasoline	Yes	Yes	SOIL REMOVAL	Yes	No
08/04/89	STEEL/8000	Gasoline	Yes	Yes	SOIL REMOVAL	Yes	No

Map ID#: 7
Distance (mi): 0.32395
Direction: NNW
Agency ID: 1412
Name: PERSONAL AUTO CARE
Address: 168 EAST MAIN ST.
City, State, Zip: MIDDLETOWN, CT 06457

Date	Type / Gallons	Substance	Removed	Uncontrolled Release	Remediated	NFA	Resp. Party Paid
02/02/89	STEEL/UNKNOWN	Gasoline	Yes	Yes	SOIL REMOVAL	Yes	No

Connecticut UST Data

Connecticut Registered Underground Storage Tank Data

Map ID#: 3
Distance (mi): 0.08433
Direction: NW
Agency ID: 9068
Name: PHYSICAL PLANT
Address: 27 MILL ST.
City, State, Zip: MIDDLETOWN, CT 06457

Owner: WESLEYAN UNIVERSITY
Owner Address: 186 COLLEGE ST.
City, State, Zip: Middletown, CT 06457

TankID#	Tank Status	Composition	Substance	Capacity	Date Installed
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	2,000	1/1/70

Unmappable Sites

A limitation of many records of governmental databases is incomplete or incorrect address information. Without proper addresses, it is more difficult to locate and map these sites.

Instead of leaving these potentially important sites out of the manually geocoded EcoSearch report, we implement a painstaking manual geocoding strategy aimed at plotting these unmappable sites by looking at zip codes, city names, and county names identified with the radius around your study site. The zip codes, cities, and counties searched are identified on the EcoSearch Statistical Overview page.

Our sophisticated mapping software, enhanced TIGER street maps, and address correction database processing methods find and plot most environmental sites. We then perform manual geocoding, plotting those sites the computer fails to find using a variety of resources. These include using our in-house collection of paper maps, directories, cross-referencing database information, and calling post offices, local government, or the sites themselves to accurately locate environmental records. We also correct obvious TIGER street map errors and omissions.

This effort at manual geocoding results in a short or non-existant orphan/unmappable list and increases accuracy and reliability of the data in our reports. The EcoSearch Instant Online and Preview reports take advantage of all previous geocoding work that has been done providing the highest quality report virtually instantaneously. The potential remains that an order can be placed in an area which has not been worked, thus resulting in more unmappables than typically associated with an EcoSearch report.

The limited number of sites which could not be reasonably found through our geocoding strategy are presented in this section for further review to assess their impact on your study site.

To serve our clients, we offer the free service of researching any unmappable site that you feel you would like more information about. To do this, give us a call with the database and agency ID number (found in the first and second columns of the unmappable section). We will then phone, send, or fax you the detailed data for that site.

Unmappable Sites

Database	Agency ID#	Site Name and Address	County
LUST Connecticut Leaking Underground Storage Tank	890508 06416 PI	PIERSON'S GREENHOUSE MAIN ST. CROMWELL, CT 06416	
LUST Connecticut Leaking Underground Storage Tank	960924 06416 FU	FUTURE WALMART KIRBY ROAD CROMWELL, CT 06416	
PADS PCB Activity Database Site	CTD065514606	ALGONQUIN GAS CROMWELL STA SHUNPIKE RD CROMWELL, CT 06416	
TRI Toxic Release Inventory Site	06416BNDDTALCAP	BONDED TECH. ALCAP RIDGE RD. CROMWELL, CT 06416	MIDDLESEX
RCRA Generator RCRA Notifier Site	CTD006916746	PIERSON A N INC NEW LN CROMWELL, CT 06416	MIDDLESEX
RCRA Generator RCRA Large Quantity Generator	CTD065514606	ALGONQUIN GAS TRANSMISSION CO SHUNPIKE RD CROMWELL, CT 06416	MIDDLESEX
RCRA Generator RCRA Small Quantity Generator	CTD983877689	MOBIL OIL CORP SERV STA GM5 RTE 72 & I91 CROMWELL, CT 06416	MIDDLESEX
RCRA Generator RCRA Small Quantity Generator	CTD983878281	MOBIL OIL CORP SERV STA PWR WEST ST & SHUNPIKE RD CROMWELL, CT 06416	MIDDLESEX
RCRA Generator RCRA Small Quantity Generator	CTD983895822	HORTON BRASSES INC NOOKS HILL RD CROMWELL, CT 06416	MIDDLESEX
RCRA Generator RCRA Large Quantity Generator	CTD991288788	BONDED TECHNOLOGY INC ALCAP RIDGE RD CROMWELL, CT 06416	MIDDLESEX
RCRA Generator RCRA Small Quantity Generator	CTR000003244	CROMWELL PRINTING CO INC ALCAP RDG CROMWELL, CT 06416	MIDDLESEX
RCRA Generator RCRA Notifier Site	CTR000004689	ATLANTIC GLOBE CORP 2 ALCAP RIDGE DR CROMWELL, CT 06416	MIDDLESEX
UST Connecticut Underground Storage Tank	4621	BONDED TECHNOLOGY ALCAP RIDGE RD CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4638	CUMBERLAND GULF #0674 ROUTE 72 CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4641	MOBIL SERVICE STATION #06-GM5 ROUTE 72 CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4701	THE MATTABASSETT DISTRICT RT 9 CROMWELL, CT 06416	

Unmappable Sites

Database	Agency ID#	Site Name and Address	County
UST Connecticut Underground Storage Tank	4707	SEWER GARAGE COMMUNITY FIELD RD CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4711	HIGHWAY GARAGE JAMES MARTIN DR CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4715	A.N. PIERSON INC NEW LANE CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4854	SHELL SERVICE STATION ROUTE 72 CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4905	CROMWELL FIRE DEPT COURT ST CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4906	THE L. SUZIO CONCRETE CO INC MAIN ST CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4910	TPC OF CONNECTICUT GOLF CLUB RD CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4914	ATLANTIC VENTILATING & EQUIP CO INC SEBETHE RD CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4917	MATTABASSETT WATER POLL CONTROL PLANT RT 9 CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4919	CROMWELL HIGH SCHOOL EVERGREEN RD CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	4921	CROMWELL MIDDLE SCHOOL MANN MEMORIAL DR. CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	9917	MOUNT RONCALLI COUNTRY SQUIRE RD. CROMWELL, CT 06416	
UST Connecticut Underground Storage Tank	9995	DATTCO SCHOOL BUS YARD LINCOLN STREET CROMWELL, CT 06416	
CERCLA CERCLA Site	CTD982543035	SAFEWAY PRODUCTS, INC. ALCAP RIDGE ROAD CROMWELL, CT 06416	MIDDLESEX
CERCLA CERCLA Site	CTD006916746	A.N. PIERSON, INC. NEW LANE CROMWELL, CT 06416	MIDDLESEX

Environmental Glossary

Acid
A large class of substances having a pH less than seven. An acid waste is considered hazardous when the pH is 2.0 or less.

Acute Effect
An adverse effect on a human or animal body, with severe symptoms developing rapidly and coming quickly to a crisis.

Acute Exposure
A dose that is delivered to the body in a single event or in a short period of time.

Aerobic
Occurring in the presence of free oxygen.

Alkaline
A substance with a pH between 7 and 14. An alkaline waste is considered hazardous when its pH is 12.5 or greater.

Ambient
Existing conditins of air, water, and other media at a particular time.

Anaerobic
Occurring in the absence of oxygen.

Assessment
An analysis or examination.

Background Environmental Sample
Samples that are considered to contain no contaminants or known concentrations of contaminants.

Base
A substance which forms a salt when reacted with an acid. Bases have a pH of greater than seven.

Buffer Zone
An area of land which surrounds a hazardous waste facility and on which certain land uses and activities are restricted to protect the public health and safety and the environment from existing or potential hazards caused by the migration of hazardous waste (CH&SC Sec. 25110.3).

Carcinogen
A substance or agent capable of causing or producing cancer in mammals.

Caustics
A large class of substances which form solutions having a high pH.

Chronic Effect
An adverse effect on a human or animal body, with symptoms which develop slowly over a long period of time or which reoccur frequently.

Chronic Exposure
Low doses repeatedly received by the body over a long period of time.

Combustible
A term used by the NFPA, DOT, and others to classify certain liquids that will burn, on the basis of flash points. Both the NFPA and DOT generally define "combustible liquids" as having a flash point of 100° F or higher.

Concentration
The relative amount of a substance when combined or mixed with other substances.

Contingency Plan
A document setting out an organized, planned, and coordinated course of action to be followed in case of a fire or explosion or release of a hazardous waste from a TSD or a generator's facility that could threaten human health or the environment (RCRA).

Corrosive
As defined by DOT, a corrosive material is a liquid or solid that causes visible destruction or irreversible alterations in human skin tissue at the site of contact or in the case of leakage from its packaging a liquid that has a severe corrosion rate on steel. A solid or liquid which exhibits these characteristics can be regulated as hazardous waste.

Decomposition
Breakdown of material or substance (by heat, chemical reaction, electrolysis, decay, or other processes) into elements or simpler compounds.

Decontamination
The process of removing contaminants from individuals and equipment.

Deep Well Injection
Disposal of wastes by injecting them into a geological formation deep in the ground, sometimes after pretreatment to avoid solidification.

EPA ID Number
This unique number assigned by EPA to each generator, transporter, or TSD.

Effluent
Waste material, either treated or untreated, discharged into the environment.

Environmental Assessment
The measurement or prediction of the transport, dispersion, and final location of a hazardous substance when released into the environment.

Environmental Emergencies
Incidents involving the release (or potential release) of hazardous materials into the environment which require immediate remedial action.

Environmental Hazard
A condition capable of posing risk of exposure to air, water, soil, plants, or wildlife.

Exception Report
A report that generators who transport waste off-site must submit if they do not receive a properly completed copy of their manifest within 45 days of the date on which the initial transporter accepted the waste.

Generator
The person or facility who, by nature or ownership, management or control, is responsible for causing or allowing to be caused, the creation of hazardous waste.

Glovebag
A device used to remove a section of pipe insulation without isolating the entire space or room.

Groundwater Hydrology
The study of the movement of water below the earth's surface.

Hazard
A circumstance or condition that can cause harm. Hazards are often categorized into four groups: biological, chemical, physical, and radiation.

Hazard Classes
A series of nine descriptive terms that have been established by the UN Committee of Experts to categorize the hazardous nature of chemical, physical, and biological materials. These categories are: flammable liquids, explosives, gases, oxidizers, radioactive materials, corrosives, flammable solids, poisonous and infectious substances, and dangerous substances.

Hazardous Waste
Any material that is subject to the hazardous waste manifest requirements of the EPA specified in the CFR, Title 40, Part 262 or would be subject to these requirements in the absence of an interim authorization to a State under CFR, Title 40, Part 123, Subpart F.

Heavy Metals
Certain metallic elements having a high density and generally toxic, e.g., lead, silver, mercury, and arsenic.

Actions undertaken to prevent or mitigate immediate and significant risk of harm to human life or health or the environment. As set forth in the National Contingency Plan, these actions shall be terminated after $1 million has been obligated or six months have elapsed from the date of initial response.

Incident

The release or potential release of a hazardous substance into the environment.

Inert

Exhibiting no chemical activity; totally unreactive.

Innocent Land Owner's Defense

The defense of a purchaser of real property that he or she exercised due diligence in having hazards assessed prior to purchase.

Interim Status

Allows owners and operators of TSDs that were in existence, or for which construction had commenced, prior to November 19, 1980 to continue to operate without a permit after this date pending final issuance from RCRA.

Joint and Several Liability

Under federal law each party that contributed to damages may be held liable for all damages, but each has the right to compel the others to contribute and indemnify.

Liability

Being subject to legal action for one's behavior.

MSDS Material Safety Data Sheet

Required by OSHA of owners to alert employees to hazards, their effect, and protective action.

Manifest

Form which indicates generator, quantity, and type of waste for each shipment of hazardous wastes disposed in off-site facilities.

National Contingency Plan

Policies and procedures that the Federal Government follows in implementing responses to incidents involving hazardous substances.

P Wastes

A federal waste list comprised of substances categorized as acutely hazardous.

Part A

The first part of a two part application that must be submitted by a TSD to receive a permit. It contains general facility information.

Part B

The second part of a two part application that must be submitted by a TSD to receive a permit. It contains highly technical and detailed information.

The removal of released hazardous substances from the environment within a non-immediate, long term time period. Under CERCLA: Actions intended to minimize increases in exposure such that time and cost commitments are limited to six months and/or $1 million.

Poison, Class A

A DOT term for extremely dangerous poisons, that is, poisonous gases or liquids of such nature that a very small amount of the gas, or vapor of the liquid, mixed with air is dangerous to life. Some examples: phosgene, cyanogen, and hydrocyanic acid.

Poison, Class B

A DOT term for liquid, solid, paste, or semisolid substances, other than Class A poisons, which are known to be toxic to man as to afford a hazard to health during transportation.

Pollutant

A substance or mixture which after release into the environment and upon exposure to any organisms will or may reasonably be anticipated to cause adverse effects in such organisms and their offspring.

Priority Pollutants

A list of chemicals selected from the list of toxic pollutants by the EPA as priority toxic pollutants for regulation under the Clean Water Act.

Remedial Actions

Responses to releases of hazardous substances on the NPL that are consistent with a permanent remedy which would prevent or mitigate the migration of materials into the environment.

Risk

The probability that an unwanted event will occur.

Second Responders

Those personnel required to assist or relieve first responders at a hazardous material incident due to their specialized knowledge, equipment, or experience. These include State environmental protection or health officials, commercial response, cleanup companies, and appropriate industry representatives.

Strict Liability

Holds a party responsible for damages irrespective of the amount of care taken in handling a hazardous substance.

Subtitle C

The part of RCRA which pertains to the management of hazardous waste.

Subtitle I

The part of RCRA which pertains to the storage of petroleum products and hazardous substances, other than wastes, in USTs.

Superfund

See CERCLA.

The action of two materials together which is greater in effect than the sum of the individuals actions.

TIGER Files

The US Census Bureau's TIGER files provide a nationwide computerized map with address range information.

Tort

A legal wrong, sometimes referred to as negligence.

Toxicity

The ability of a substance to produce injury by non-mechanical means once it reaches a susceptible site in or on the body.

U Wastes

A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.

Acronyms and Abbreviations

-AIRS	Aerometric Information Retrieval System
-AST	Aboveground Storage Tank
-ASTM	American Society for Testing and Materials
-BLM	Bureau of Land Management
-BNA	Bureau of National Affairs
-CAA	Clean Air Act
-CDC	Centers for Disease Control
-CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
-CERCLIS	CERCLA Information System
-CICIS	Chemicals in Commerce Information System
-COE	U.S. Army Corps of Engineers
-CWA	Clean Water Act
-DDT	Dicholoro-diphenyl-dichloroethane
-DOC	Department of Commerce
-DOCKET	Enforcement Docket System–Office of Enforcement and Compliance Monitoring
-DOE	Department of Energy
-DOT	Department of Transportation
-EPA	Environmental Protection Agency
-ERCS	Emergency Response Cleanup Services
-ERNS	Emergency Response Notification System
-ESA	Environmental Site Assessment
-FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
-FINDS	Facility Index System
-FOIA	Freedom of Information Act
-FWPCA	Federal Water Pollution Control Act
-HHS	Department of Health and Human Services
-HSWA	Hazardous and Solid Waste Amendments of 1984
-HUD	Department of Housing and Urban Development
-LUST	Leaking Underground Storage Tank
-MSDS	Material Safety Data Sheet
-NEPA	National Environment Policy Act
-NESHAP	National Emission Standards for Hazardous Air Pollutants
-NFRAP	No Further Remedial Action Planned (Delisted CERCLA Site)
-NOI	Notice of Intent
-NOV	Notice of Violation
-NPDES	National Pollution Discharge Elimination System
-NPL	National Priorities List
-NRC	Nuclear Regulatory Commission
-NRIS	Nuclear Regulatory Information System
-OSHA	Occupational Safety and Health Administration
-PADS	PCB Activity Database System

Acronyms and Abbreviations

-PCB	Polychlorinated Biphenyls
-POTW	Publicly-Owned Treatment Works
-PPM	Parts Per Million
-PRP	Potentially Responsible Parties
-RAATS	RCRA Administrative Action Tracking System
-RCRA	Resource Conservation and Recovery Act of 1976
-RCRIS	Resource Conservation and Recovery Information System
-RFA	RCRA Facility Assessment
-RFI	RCRA Facility Investigation
-RI	Remedial Investigation (CERCLA)
-SARA	Superfund Amendments and Reauthorization Act of 1986
-SCS	Soil Conservation Service
-SDWA	Safe Drinking Water Act
-SETS	Superfund Enforcement Tracking System
-SSTS	Section Seven Tracking System
-SWF/LF	Solid Waste Facilities / Landfills
-TIGER	Topologically Integrated Geographic Encoding and Referencing System
-TRI	Toxic Release Inventory
-TSCA	Toxic Substances Control Act
-TSD	Treatment, Storage, or Disposal Facility
-USDA	U.S. Department of Agriculture
-USGS	U.S. Geological Survey
-UST	Underground Storage Tank
-WWTP	Wastewater Treatment Plant

APPENDIX F

SOIL BORING LOGS

WOODARD & CURRAN
Engineering Science Operations

515 Highland Avenue Cheshire, CT 06410 (203) 271-0379

SITE LOCATION
Russell Manufacturing
331 E. Main Street
Middletown, CT 06410

B - 1

Start Date **1/11/00**
End Date **1/11/00**

Engineer **Kate Novick**

Contractor TEG North Atlantic
15 Holly Street, Suite 201A
Scarborough, ME

Driller Dave Dionne
Method Stratoprobe

Sampler Kate Novick

Boring Depth
6.5 feet

Groundwater Depth
None Encountered

Purge Volume
NA

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 4		14"	0" - 5" dark brown fine sand and gravel (asphalt)	
			5" - 14" red fine sand with some gravel	
			0 ppm PID	
4 - 6.5	4' - 6.5'	26"	Red fine sand and clay with some black medium sand and gravel	
			4' - 6' is moist	
			6' - 6.5' is dry	
			Moist soil may be from previous night's rainfall	
			Refusal at 6.5'	
			Refusal material is dark reddish-brown rocks that are brittle and dry.	
			Sampled soil at 8:20 am	

WOODARD & CURRAN
Engineering Science Operations

515 Highland Avenue Cheshire, CT 06410 (203) 271-0379

SITE LOCATION
Russell Manufacturing
331 E. Main Street
Middletown, CT 06410

B - 2

Start Date	**1/11/00**	Contractor	TEG North Atlantic 15 Holly Street, Suite 201A Scarborough, ME	Boring Depth **1.4 feet**
End Date	**1/11/00**			
Engineer	**Kate Novick**	Driller Method	Dave Dionne Stratoprobe	Groundwater Depth **None Encountered**
		Sampler	Kate Novick	Purge Volume **NA**

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 1.4		8"	0" - 8" dark brown fine sand PID < 1.0 ppm Did not analyze- See B-2 NE	

WOODARD & CURRAN
Engineering Science Operations
515 Highland Avenue Cheshire, CT 06410 (203) 271-0379

SITE LOCATION
Russell Manufacturing
331 E. Main Street
Middletown, CT 06410

B - 3

Start Date **1/11/00**
End Date **1/11/00**

Engineer **Kate Novick**

Contractor TEG North Atlantic
15 Holly Street, Suite 201A
Scarborough, ME

Driller Dave Dionne
Method Stratoprobe

Sampler Kate Novick

Boring Depth
8.0 feet

Groundwater Depth
None Encountered

Purge Volume
NA

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 4		27"	0" - 2" Gravel and black sand	
			2" - 6" brown, yellow and black fine to medium sand	
			6" - 22" reddish-brown clay and fine sand	
			22" - 24" white gravel < 1" diameter	
			24" - 27" same as 6" - 22"	
			PID < 1.0 ppm	
4 - 8	4.5' - 8'	48 "	Red clay and silt with some gravel	
			4' - 4.5' very wet	
			4.5' - 8' increasingly drier to completely dry	
			PID = 2.5 ppm	
			Sampled at 8:55 am	

WOODARD & CURRAN
Engineering Science Operations

515 Highland Avenue Cheshire, CT 06410 (203) 271-0379

SITE LOCATION
Russell Manufacturing
331 E. Main Street
Middletown, CT 06410

B - 4

Start Date **1/11/00**
End Date **1/11/00**

Engineer **Kate Novick**

Contractor TEG North Atlantic
15 Holly Street, Suite 201A
Scarborough, ME

Driller Dave Dionne
Method Stratoprobe

Sampler Kate Novick

Boring Depth
8.5 feet

Groundwater Depth
3 feet

Purge Volume
5 gallons

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 4		20"	0" - 2" dark brown gravel 2" - 20" reddish clay with silt and some gravel and some black sand PID < 1.0 ppm	
4 - 8	2 in. to 6 ft.	16"	Reddish sand (fill) PID < 1.0 ppm	
8 - 8.5		26"	0" - 24" reddish clay with silt and some gravel and some black sand (wet) 24" - 26" reddish-brown and black compacted chips of clay (drier)	
			Boring is very close to UST	
			Sampled soil at 9:40 am	

WOODARD & CURRAN
Engineering Science Operations
515 Highland Avenue Cheshire, CT 06410 (203) 271-0379

SITE LOCATION
Russell Manufacturing
331 E. Main Street
Middletown, CT 06410

B - 5

Start Date	1/11/00	Contractor	TEG North Atlantic 15 Holly Street, Suite 201A Scarborough, ME
End Date	1/11/00		
Engineer	**Kate Novick**	Driller	Dave Dionne
		Method	Stratoprobe
		Sampler	Kate Novick

Boring Depth
1.35 feet

Groundwater Depth
None encountered

Purge Volume
NA

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 1.35		9"	0" - 2" brownish-black gravel	
			2" - 9" Gravel (1 - 1.5") and reddish clay and silt	
			PID < 1.0 ppm	
			Did not analyze	
			See "B-5 SW"	

WOODARD & CURRAN
Engineering Science Operations
515 Highland Avenue Cheshire, CT 06410 (203) 271-0379

SITE LOCATION
Russell Manufacturing
331 E. Main Street
Middletown, CT 06410

B - 6

Start Date	**1/11/00**	Contractor	TEG North Atlantic 15 Holly Street, Suite 201A Scarborough, ME	Boring Depth	**5.4 feet**
End Date	**1/11/00**			Groundwater Depth	**None encountered**
Engineer	**Kate Novick**	Driller	Dave Dionne		
		Method	Stratoprobe	Purge Volume	**NA**
		Sampler	Kate Novick		

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 4		24"	0" - 4" Black gravel	
			4" - 24" reddish-brown clay and silt	
			24" greyish-green gravel (diameter = 1")	
4 - 5.4	4' - 5.4'	22"	0" - 4" wet yellowish-brown clay and silt	
			4" - 22" whitish-yellow/brown fine silt and sedimentary rocks (dry)	
			Sampled soil at 11:10 am	

WOODARD & CURRAN Engineering Science Operations 515 Highland Avenue Cheshire, CT 06410 (203) 271-0379	**SITE LOCATION** Russell Manufacturing 331 E. Main Street Middletown, CT 06410	**B - 7**

Start Date	**1/11/00**	Contractor	TEG North Atlantic 15 Holly Street, Suite 201A Scarborough, ME	Boring Depth **5.6 feet**
End Date	**1/11/00**			Groundwater Depth **None encountered**
Engineer	**Kate Novick**	Driller Method	Dave Dionne Stratoprobe	
		Sampler	Kate Novick	Purge Volume **NA**

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 4		24"	0" - 2" black gravel	
			2" - 9" reddish-black fine sand and silt with some rocks	
			9" - 24" reddish clay with some sedimentary rocks	
			24" wet	
			0 ppm PID	
4 - 5.6	4' - 5.6'	18"	0" - 9" reddish-black fine sand and silt with some rocks	
			9" - 17" wet reddish-brown clay	
			17" - 18" dry reddish-brown brittle rock	
			PID < 1.0 ppm	
			Sampled soil at 11:35 am	
			Sampled duplicate at 11:45 am (B-8)	

WOODARD & CURRAN
Engineering Science Operations
515 Highland Avenue Cheshire, CT 06410 (203) 271-0379

SITE LOCATION
Russell Manufacturing
331 E. Main Street
Middletown, CT 06410

B - 2 NE

Start Date	**1/11/00**	Contractor	TEG North Atlantic 15 Holly Street, Suite 201A Scarborough, ME	Boring Depth **5.9 feet**
End Date	**1/11/00**			
Engineer	**Kate Novick**	Driller Method	Dave Dionne Stratoprobe	Groundwater Depth **None Encountered**
		Sampler	Kate Novick	Purge Volume **NA**

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 4		25"	0" - 7" black sand and asphalt	
			7" - 11" brownish-red clay	
			11" - 25" reddish fine sand with silt, clay and gravel	
4 - 5.9	4' - 5.9'		0" - 4" reddish-brown clay with sand and rocks	
			4" - 22" reddish-brown clay	
			> 22" brownish-red rock	
			Refusal at 5.9 feet	
			Sampled at 13:30	

WOODARD & CURRAN
Engineering Science Operations

515 Highland Avenue Cheshire, CT 06410 (203) 271-0379

SITE LOCATION
Russell Manufacturing
331 E. Main Street
Middletown, CT 06410

B - 5 SW

Start Date	1/11/00	Contractor	TEG North Atlantic 15 Holly Street, Suite 201A Scarborough, ME	Boring Depth **2.8 feet**
End Date	1/11/00			
Engineer	**Kate Novick**	Driller Method	Dave Dionne Stratoprobe	Groundwater Depth **None encountered**
		Sampler	Kate Novick	Purge Volume **NA**

Depth (feet)	Sample Range	Rec. Length	Field Description and Remarks	Lithology
0 - 2.8	0 - 2.8'	24"	0" - 2" black rocks and asphalt	
			2" - 9" red clay and silt with some white and black sand	
			with gravel	
			9" - 24" yellowish-grey silt and rock	
			Refusal at 2.8 feet	
			First try- See Boring Log 5	
			Second try- refusal at 2 feet	
			This is third try	
			Sampled at 14:10	

APPENDIX G

ANALYTICAL DATA REPORTS

RECEIVED
JAN 18 2000

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

January 13, 2000

Ms. Kate Novick
Woodard & Curran Inc.
515 Highland Ave.
Cheshire, CT 06410

Project: Middletown
Project #: 995238.01
CET #: 00010188
Water: Equip. Blank; Trip Blank
Collection Date(s): 1/5/00; 1/6/00

ANALYSIS:

Total Mercury [EPA 7470] Units: mg/l Analysis Date: 1/13/00

	Equip. Blank
Total Mercury	ND < 0.002

Total Metals [EPA 200.7] Units: mg/l Analysis Date: 1/11/00

	Equip. Blank
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.05
Barium	ND < 0.05
Silver	ND < 0.02

NOTES:
[ ] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

Volatile Organics [EPA 8260] Units: ug/l Analysis Date: 1/11/00

	Equip. Blank	Trip Blank
Dichlorodifluoromethane	ND < 10	ND < 10
Chloromethane	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 2.0	ND < 2.0
Bromomethane	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0
Trichlorofluoromethane	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0
2,2-Dichloropropane	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0
Bromochloromethane	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0
Trichloroethene	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 1.0	ND < 1.0
cis-1,3-Dichloropropene	ND < 1.0	ND < 1.0
Toluene	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 1.0	ND < 1.0
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 1.0	ND < 1.0
Dibromochloromethane	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 1.0	ND < 1.0
Chlorobenzene	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/1 Analysis Date: 1/11/00

	Equip. Blank	Trip Blank
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 1.0	ND < 1.0
Naphthalene	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0

Sincerely,

David Ditta
Laboratory Director

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

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WOODARD & CURRAN, INC.
CHESHIRE, CONNECTICUT

January 17, 2000

Ms. Kate Novick
Woodard & Curran Inc.
515 Highland Ave.
Cheshire, CT 06410

Project: Russell Mfg.
Project #: 995238.01
CET #: 00010304
Aqueous: Equip. Blank; MW-1; MW-2; MW-3
Collection Date(s): 01/11/00; 01/12/00

ANALYSIS:

Total Petroleum Hydrocarbons [EPA 418.1] Units: mg/l Analysis Date: 01/14/00

	Equip. Blank	MW-1	MW-2	MW-3
Total Petroleum Hydrocarbons	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50

Volatile Organics [EPA 8260] Units: ug/l Analysis Date: 01/14/00

	Equip. Blank	MW-1	MW-2	MW-3
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10	ND < 10	ND < 10
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	1.0	ND < 1.0	ND < 1.0
Bromochloromethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

NOTES:
[ ] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

Volatile Organics [EPA 8260] Units: ug/1 Analysis Date: 01/14/00

	Equip. Blank	MW-1	MW-2	MW-3
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Trichloroethene	ND < 1.0	4.4	11	12
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,3-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Sincerely,

David Ditta
Laboratory Director

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

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WOODARD & CURRAN, INC.
CHESHIRE, CONNECTICUT

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

January 19, 2000

Ms. Kate Novick
Woodard & Curran Inc.
515 Highland Ave.
Cheshire, CT 06410

Project: Middletown
Project #: 995238.01
CET #: 00010187
Concrete: CH-1; CH-1 Dupe; CH-2; CH-3; CH-4; CH-5; CH-6; CH-7; CH-8; CH-9
Collection Date(s): 1/6/00
Solid: Res-1; Res-2; Res-3; Res-4; Res-5
Collection Date(s): 1/6/00

PREP ANALYSIS:

TCLP, Metals [EPA 1311]

	Res-1	Res-2	Res-3	Res-4	Res-5	CH-1
TCLP, Metals	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]

TCLP, Metals [EPA 1311]

	CH-2	CH-3	CH-4	CH-5	CH-6	CH-7
TCLP, Metals	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]

TCLP, Metals [EPA 1311]

	CH-8	CH-9	CH-1 Dupe
TCLP, Metals	Completed [1/11/00]	Completed [1/11/00]	Completed [1/11/00]

ANALYSIS:

Cyanide, Total [EPA 9010] Units: mg/kg Analysis Date: 1/11/00

	Res-1	Res-3	Res-4	Res-5	CH-1	CH-2
Cyanide, Total	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

NOTES:
[ ] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

Cyanide, Total [EPA 9010] Units: mg/kg Analysis Date: 1/11/00

	CH-3	CH-4	CH-5	CH-6	CH-7	CH-8
Cyanide, Total	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Cyanide, Total [EPA 9010] Units: mg/kg Analysis Date: 1/11/00

	CH-9	CH-1 Dupe
Cyanide, Total	ND < 5.0	ND < 5.0

TCLP Mercury [EPA 7470] Units: mg/l Analysis Date: 1/13/00

	Res-1	Res-2	Res-3	Res-4	Res-5	CH-1
TCLP Mercury	ND < 0.002	ND < 0.002	0.0065	ND < 0.002	0.013	ND < 0.002

TCLP Mercury [EPA 7470] Units: mg/l Analysis Date: 1/13/00

	CH-2	CH-3	CH-4	CH-5	CH-6	CH-7
TCLP Mercury	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002

TCLP Mercury [EPA 7470] Units: mg/l Analysis Date: 1/13/00

	CH-8	CH-9	CH-1 Dupe
TCLP Mercury	ND < 0.002	ND < 0.002	ND < 0.002

Flash Point (Ignitability) [EPA 1010] Units: Degrees F Analysis Date: 1/10/00

	Res-1	Res-3	Res-4	Res-5
Flash Point (Ignitability)	135	193	None Observed >250	150

pH [EPA 9045C] Analysis Date: 1/11/00

	Res-1	Res-3	Res-4	Res-5
pH	6.33	3.44	2.15	3.96

Reactivity (Cyanide) [SW 846 CH.7] Units: mg/kg Analysis Date: 1/11/00

	Res-1	Res-3	Res-4	Res-5	CH-1	CH-2
Reactivity (Cyanide)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Reactivity (Cyanide) [SW 846 CH.7] Units: mg/kg Analysis Date: 1/11/00

	CH-3	CH-4	CH-5	CH-6	CH-7	CH-8
Reactivity (Cyanide)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Reactivity (Cyanide) [SW 846 CH.7] Units: mg/kg Analysis Date: 1/11/00

	CH-9	CH-1 Dupe
Reactivity (Cyanide)	ND < 5.0	ND < 5.0

Reactivity (Sulfide) [SW 846 CH.7] Units: mg/kg Analysis Date: 1/11/00

	Res-1	Res-3	Res-4	Res-5
Reactivity (Sulfide)	ND < 20	ND < 20	ND < 20	ND < 20

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

TCLP Metals [EPA 6010] Units: mg/L Analysis Date: 1/11/00

	Res-1	Res-2	Res-3	Res-4	Res-5	CH-1
Lead	ND < 0.013	2.0	9.9	160	0.79	1.4
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	0.016	ND < 0.01
Cadmium	ND < 0.005	0.038	0.021	ND < 0.005	0.0094	ND < 0.005
Chromium	ND < 0.05	0.45	58	ND < 0.05	0.21	0.12
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.46	0.46	1.1	3.3	0.35	0.35
Silver	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02

TCLP Metals [EPA 6010] Units: mg/L Analysis Date: 1/11/00

	CH-2	CH-3	CH-4	CH-5	CH-6	CH-7
Lead	5.3	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.45	0.40	0.58	0.39	0.53	0.45
Silver	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02

TCLP Metals [EPA 6010] Units: mg/L Analysis Date: 1/11/00

	CH-8	CH-9	CH-1 Dupe
Lead	ND < 0.013	ND < 0.013	0.60
Selenium	ND < 0.01	0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	0.17
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.37	0.34	0.24
Silver	ND < 0.02	ND < 0.02	ND < 0.02

EPA 8082 PCBs [EPA 8082] Units: mg/kg Analysis Date: 1/11/00

	Res-2	Res-3	Res-4
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/12/00

	Res-1	Res-2	Res-3	Res-4	Res-5	CH-1
Dichlorodifluoromethane	ND < 25	ND < 2500	ND < 25	ND < 25	ND < 25	ND < 25
Chloromethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromomethane	ND < 10	ND < 1000	ND < 10	ND < 10	ND < 10	ND < 10
Chloroethane	ND < 10	ND < 1000	ND < 10	ND < 10	ND < 10	ND < 10
Trichlorofluoromethane	ND < 25	ND < 2500	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methylene Chloride	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 1000	ND < 10	ND < 10	ND < 10	10

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/12/00

	Res-1	Res-2	Res-3	Res-4	Res-5	CH-1
trans-1,2-Dichloroethene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloroethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2,2-Dichloropropane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,2-Dichloroethene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromochloromethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroform	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Tetrachloride	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloropropene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzene	ND < 1.0	ND < 100	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Trichloroethene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichloropropane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromomethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromodichloromethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,3-Dichloropropene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Toluene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,3-Dichloropropene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2-Trichloroethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Tetrachloroethene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3-Dichloropropane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromochloromethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromoethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chlorobenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1,2-Tetrachloroethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Ethylbenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	7.9
m+p Xylenes	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	21
o-Xylene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	8.0
Styrene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromoform	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Isopropylbenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2,2-Tetrachloroethane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromobenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,3-Trichloropropane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Propylbenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2-Chlorotoluene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Chlorotoluene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3,5-Trimethylbenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
tert-Butylbenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trimethylbenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	5.6
sec-Butylbenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3-Dichlorobenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Isopropyltoluene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichlorobenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Butylbenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromo-3-Chloropropane	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trichlorobenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Hexachlorobutadiene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	12
1,2,3-Trichlorobenzene	ND < 5.0	ND < 500	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/12/00

	CH-2	CH-3	CH-4	CH-5	CH-6	CH-7
Dichlorodifluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Chloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromomethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloroethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
trans-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromochloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroform	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Tetrachloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Trichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromodichloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Toluene	ND < 5.0	ND < 5.0	ND < 5.0	11	ND < 5.0	ND < 5.0
trans-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2-Trichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Tetrachloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromochloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromoethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Ethylbenzene	62	ND < 5.0	ND < 5.0	190	ND < 5.0	ND < 5.0
m+p Xylenes	370	ND < 5.0	ND < 5.0	740	ND < 5.0	ND < 5.0
o-Xylene	220	ND < 5.0	ND < 5.0	110	ND < 5.0	ND < 5.0
Styrene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromoform	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Isopropylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,3-Trichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Propylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3,5-Trimethylbenzene	13	ND < 5.0	ND < 5.0	25	ND < 5.0	ND < 5.0
tert-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trimethylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	17	ND < 5.0	ND < 5.0
sec-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/12/00

	CH-2	CH-3	CH-4	CH-5	CH-6	CH-7
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Isopropyltoluene	6.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromo-3-Chloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Hexachlorobutadiene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 5.0	ND < 5.0	ND < 5.0	9.0	ND < 5.0	ND < 5.0
1,2,3-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/12/00

	CH-8	CH-9	CH-1 Dupe
Dichlorodifluoromethane	ND < 2500	ND < 25	ND < 25
Chloromethane	ND < 500	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 500	ND < 5.0	ND < 5.0
Bromomethane	ND < 1000	ND < 10	ND < 10
Chloroethane	ND < 1000	ND < 10	ND < 10
Trichlorofluoromethane	ND < 2500	ND < 25	ND < 25
1,1-Dichloroethene	ND < 500	ND < 5.0	ND < 5.0
Methylene Chloride	ND < 500	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 1000	ND < 10	18
trans-1,2-Dichloroethene	ND < 500	ND < 5.0	ND < 5.0
1,1-Dichloroethane	ND < 500	ND < 5.0	ND < 5.0
2,2-Dichloropropane	ND < 500	ND < 5.0	ND < 5.0
cis-1,2-Dichloroethene	ND < 500	ND < 5.0	ND < 5.0
Bromochloromethane	ND < 500	ND < 5.0	ND < 5.0
Chloroform	ND < 500	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 500	ND < 5.0	ND < 5.0
Carbon Tetrachloride	ND < 500	ND < 5.0	ND < 5.0
1,1-Dichloropropene	ND < 500	ND < 5.0	ND < 5.0
Benzene	ND < 100	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 500	ND < 5.0	ND < 5.0
Trichloroethene	ND < 500	ND < 5.0	ND < 5.0
1,2-Dichloropropane	ND < 500	ND < 5.0	ND < 5.0
Dibromomethane	ND < 500	ND < 5.0	ND < 5.0
Bromodichloromethane	ND < 500	ND < 5.0	ND < 5.0
cis-1,3-Dichloropropene	ND < 500	ND < 5.0	ND < 5.0
Toluene	790	ND < 5.0	ND < 5.0
trans-1,3-Dichloropropene	ND < 500	ND < 5.0	ND < 5.0
1,1,2-Trichloroethane	ND < 500	ND < 5.0	ND < 5.0
Tetrachloroethene	ND < 500	ND < 5.0	ND < 5.0
1,3-Dichloropropane	ND < 500	ND < 5.0	ND < 5.0
Dibromochloromethane	ND < 500	ND < 5.0	ND < 5.0
1,2-Dibromoethane	ND < 500	ND < 5.0	ND < 5.0
Chlorobenzene	ND < 500	ND < 5.0	ND < 5.0
1,1,1,2-Tetrachloroethane	ND < 500	ND < 5.0	ND < 5.0
Ethylbenzene	640	ND < 5.0	ND < 5.0
m+p Xylenes	2800	ND < 5.0	20

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/12/00

	CH-8	CH-9	CH-1 Dupe
o-Xylene	1100	ND < 5.0	9.1
Styrene	ND < 500	ND < 5.0	ND < 5.0
Bromoform	ND < 500	ND < 5.0	ND < 5.0
Isopropylbenzene	ND < 500	ND < 5.0	ND < 5.0
1,1,2,2-Tetrachloroethane	ND < 500	ND < 5.0	ND < 5.0
Bromobenzene	ND < 500	ND < 5.0	ND < 5.0
1,2,3-Trichloropropane	ND < 500	ND < 5.0	ND < 5.0
n-Propylbenzene	ND < 500	ND < 5.0	ND < 5.0
2-Chlorotoluene	ND < 500	ND < 5.0	ND < 5.0
4-Chlorotoluene	ND < 500	ND < 5.0	ND < 5.0
1,3,5-Trimethylbenzene	1900	ND < 5.0	ND < 5.0
tert-Butylbenzene	ND < 500	ND < 5.0	ND < 5.0
1,2,4-Trimethylbenzene	3100	ND < 5.0	ND < 5.0
sec-Butylbenzene	ND < 500	ND < 5.0	ND < 5.0
1,3-Dichlorobenzene	ND < 500	ND < 5.0	ND < 5.0
4-Isopropyltoluene	17000	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 500	ND < 5.0	ND < 5.0
1,2-Dichlorobenzene	ND < 500	ND < 5.0	ND < 5.0
n-Butylbenzene	ND < 500	ND < 5.0	ND < 5.0
1,2-Dibromo-3-Chloropropane	ND < 500	ND < 5.0	ND < 5.0
1,2,4-Trichlorobenzene	ND < 500	ND < 5.0	ND < 5.0
Hexachlorobutadiene	ND < 500	ND < 5.0	ND < 5.0
Naphthalene	470000	ND < 5.0	ND < 5.0
1,2,3-Trichlorobenzene	ND < 500	ND < 5.0	ND < 5.0

Sincerely,

David Ditta
Laboratory Director

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

RECEIVED
JAN 21 2000
WOODARD & CURRAN, INC.
CHESHIRE, CONNECTICUT

CET
COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

January 19, 2000

Ms. Kate Novick
Woodard & Curran Inc.
515 Highland Ave.
Cheshire, CT 06410

Project: Russell Mfg.
Project #: 995238.01
CET #: 00010301
Soil: B-1; B-2 NE; B-3; B-4; B-5 SW; B-6; B-7; B-8; Bank B-1; Bank B-2; Bank B-4
Collection Date(s): 1/11/00

PREP ANALYSIS:

Liquid-Liquid Extraction [EPA 3510]

	Bank B-1	Bank B-2	Bank B-4
Liquid-Liquid Extraction	Completed [1/15/00]	Completed [1/15/00]	Completed [1/15/00]

Ultasonic Extraction [EPA 3550B]

	Bank B-1	Bank B-2	Bank B-4
Ultasonic Extraction	Completed [1/13/00]	Completed [1/13/00]	Completed [1/13/00]

SPLP, Metals [EPA 1312]

	Bank B-1	Bank B-2	Bank B-4
SPLP, Metals	Completed [1/14/00]	Completed [1/14/00]	Completed [1/14/00]

SPLP, Semi-Volatiles [EPA 1312]

	Bank B-1	Bank B-2	Bank B-4
SPLP, Semi-Volatiles	Completed [1/14/00]	Completed [1/14/00]	Completed [1/14/00]

TCLP, Metals [EPA 1311]

	B-3	B-7	B-8
TCLP, Metals	Completed [1/14/00]	Completed [1/14/00]	Completed [1/14/00]

NOTES:
[ ] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

ANALYSIS:

Cyanide, Total [EPA 9010] Units: mg/kg Analysis Date: 1/18/00

	B-3	B-7	B-8
Cyanide, Total	ND < 5.0	ND < 5.0	ND < 5.0

TCLP Mercury [EPA 7470] Units: mg/l Analysis Date: 1/18/00

	B-3	B-7	B-8
TCLP Mercury	ND < 0.002	ND < 0.002	ND < 0.002

SPLP Mercury [EPA 7470] Units: mg/l Analysis Date: 1/18/00

	Bank B-1	Bank B-2	Bank B-4
SPLP Mercury	ND < 0.002	ND < 0.002	ND < 0.002

Total Petroleum Hydrocarbons [EPA 418.1] Units: mg/kg Analysis Date: 1/13/00

	B-1	B-2 NE	B-3	B-4	B-5 SW	B-6
Total Petroleum Hydrocarbons	250	98	76	56	69	77

Total Petroleum Hydrocarbons [EPA 418.1] Units: mg/kg Analysis Date: 1/13/00

	B-7	B-8
Total Petroleum Hydrocarbons	ND < 50	88

SPLP Metals [EPA 6010] Units: mg/L Analysis Date: 1/14/00

	Bank B-1	Bank B-2	Bank B-4
Lead	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.65	0.62	0.75
Silver	ND < 0.02	ND < 0.02	ND < 0.02

TCLP Metals [EPA 6010] Units: mg/L Analysis Date: 1/17/00

	B-3	B-7	B-8
Lead	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05
Barium	1.2	1.2	1.1
Silver	ND < 0.02	ND < 0.02	ND < 0.02

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

EPA 8270 Polynuclear Aromatics [EPA 8270] Units: ug/l Matrix: SPLP Ext. Analysis Date: 1/16/00

	Bank B-1	Bank B-2	Bank B-4
Acenaphthene	ND < 1.0	ND < 1.0	ND < 1.0
Acenaphthylene	ND < 0.30	ND < 0.30	ND < 0.30
Anthracene	ND < 1.0	ND < 1.0	ND < 1.0
Benzo[a]anthracene	ND < 0.06	ND < 0.06	ND < 0.06
Benzo[a]pyrene	ND < 0.20	ND < 0.20	ND < 0.20
Benzo[b]fluoranthene	ND < 0.08	ND < 0.08	ND < 0.08
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0	ND < 1.0
Benzo[k]fluoranthene	ND < 0.30	ND < 0.30	ND < 0.30
Chrysene	ND < 1.0	ND < 1.0	ND < 1.0
Dibenz[a,h]anthracene	ND < 1.0	ND < 1.0	ND < 1.0
Fluoranthene	ND < 1.0	ND < 1.0	ND < 1.0
Fluorene	ND < 1.0	ND < 1.0	ND < 1.0
Indeno[1,2,3-cd]pyrene	ND < 1.0	ND < 1.0	ND < 1.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0
Phenanthrene	ND < 0.077	ND < 0.077	ND < 0.077
Pyrene	ND < 1.0	ND < 1.0	ND < 1.0

EPA 8270 Polynuclear Aromatics [EPA 8270] Units: ug/kg (Dry Wt) Analysis Date: 1/15/00

	Bank B-1	Bank B-2	Bank B-4
Acenaphthene	ND < 200	ND < 200	ND < 200
Acenaphthylene	ND < 200	ND < 200	ND < 200
Anthracene	ND < 200	ND < 200	300
Benzo[a]anthracene	ND < 200	ND < 200	720
Benzo[a]pyrene	ND < 200	ND < 200	1300
Benzo[b]fluoranthene	ND < 200	ND < 200	1300
Benzo[g,h,i]perylene	ND < 200	ND < 200	650
Benzo[k]fluoranthene	ND < 200	ND < 200	1700
Chrysene	ND < 200	ND < 200	940
Dibenz[a,h]anthracene	ND < 200	ND < 200	240
Fluoranthene	ND < 200	ND < 200	2200
Fluorene	ND < 200	ND < 200	ND < 200
Indeno[1,2,3-cd]pyrene	ND < 200	ND < 200	630
Naphthalene	ND < 200	ND < 200	ND < 200
Phenanthrene	ND < 200	ND < 200	690
Pyrene	ND < 200	ND < 200	2000

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/14/00

	B-1	B-2 NE	B-3	B-4	B-5 SW	B-6
Dichlorodifluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Chloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromomethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloroethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/14/00

	B-1	B-2 NE	B-3	B-4	B-5 SW	B-6
trans-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromochloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroform	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Tetrachloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Trichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromodichloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Toluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2-Trichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Tetrachloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromochloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromoethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Ethylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
m+p Xylenes	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
o-Xylene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Styrene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromoform	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Isopropylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,3-Trichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Propylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3,5-Trimethylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
tert-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trimethylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
sec-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Isopropyltoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromo-3-Chloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Hexachlorobutadiene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,3-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/14/00

	B-7	B-8
Dichlorodifluoromethane	ND < 25	ND < 25
Chloromethane	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 5.0	ND < 5.0
Bromomethane	ND < 10	ND < 10
Chloroethane	ND < 10	ND < 10
Trichlorofluoromethane	ND < 25	ND < 25
1,1-Dichloroethene	ND < 5.0	ND < 5.0
Methylene Chloride	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10
trans-1,2-Dichloroethene	ND < 5.0	ND < 5.0
1,1-Dichloroethane	ND < 5.0	ND < 5.0
2,2-Dichloropropane	ND < 5.0	ND < 5.0
cis-1,2-Dichloroethene	ND < 5.0	ND < 5.0
Bromochloromethane	ND < 5.0	ND < 5.0
Chloroform	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 5.0	ND < 5.0
Carbon Tetrachloride	ND < 5.0	ND < 5.0
1,1-Dichloropropene	ND < 5.0	ND < 5.0
Benzene	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 5.0	ND < 5.0
Trichloroethene	ND < 5.0	ND < 5.0
1,2-Dichloropropane	ND < 5.0	ND < 5.0
Dibromomethane	ND < 5.0	ND < 5.0
Bromodichloromethane	ND < 5.0	ND < 5.0
cis-1,3-Dichloropropene	ND < 5.0	ND < 5.0
Toluene	ND < 5.0	ND < 5.0
trans-1,3-Dichloropropene	ND < 5.0	ND < 5.0
1,1,2-Trichloroethane	ND < 5.0	ND < 5.0
Tetrachloroethene	ND < 5.0	ND < 5.0
1,3-Dichloropropane	ND < 5.0	ND < 5.0
Dibromochloromethane	ND < 5.0	ND < 5.0
1,2-Dibromoethane	ND < 5.0	ND < 5.0
Chlorobenzene	ND < 5.0	ND < 5.0
1,1,1,2-Tetrachloroethane	ND < 5.0	ND < 5.0
Ethylbenzene	ND < 5.0	ND < 5.0
m+p Xylenes	ND < 5.0	ND < 5.0
o-Xylene	ND < 5.0	ND < 5.0
Styrene	ND < 5.0	ND < 5.0
Bromoform	ND < 5.0	ND < 5.0
Isopropylbenzene	ND < 5.0	ND < 5.0
1,1,2,2-Tetrachloroethane	ND < 5.0	ND < 5.0
Bromobenzene	ND < 5.0	ND < 5.0
1,2,3-Trichloropropane	ND < 5.0	ND < 5.0
n-Propylbenzene	ND < 5.0	ND < 5.0
2-Chlorotoluene	ND < 5.0	ND < 5.0
4-Chlorotoluene	ND < 5.0	ND < 5.0
1,3,5-Trimethylbenzene	ND < 5.0	ND < 5.0
tert-Butylbenzene	ND < 5.0	ND < 5.0
1,2,4-Trimethylbenzene	ND < 5.0	ND < 5.0
sec-Butylbenzene	ND < 5.0	ND < 5.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 1/14/00

	B-7	B-8
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0
4-Isopropyltoluene	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0
n-Butylbenzene	ND < 5.0	ND < 5.0
1,2-Dibromo-3-Chloropropane	ND < 5.0	ND < 5.0
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0
Hexachlorobutadiene	ND < 5.0	ND < 5.0
Naphthalene	ND < 5.0	ND < 5.0
1,2,3-Trichlorobenzene	ND < 5.0	ND < 5.0

Sincerely,

David Ditta
Laboratory Director

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

January 28, 2000

Ms. Kate Novick
Woodard & Curran Inc.
515 Highland Ave.
Cheshire, CT 06410

Project: Russell Mfg.
Project #: 995238.01
CET #: 00010629
Soil: B-1; B-2 NE; B-3; B-4; B-5 SW; B-6; B-7; B-8
Collection Date(s): 1/11/00

PREP ANALYSIS:

Acid Digestion of Soils [EPA 3050]

	B-1	B-2 NE	B-3	B-4	B-5 SW	B-6
Acid Digestion of Soils	Completed [1/26/00]	Completed [1/26/00]	Completed [1/26/00]	Completed [1/26/00]	Completed [1/26/00]	Completed [1/26/00]

Acid Digestion of Soils [EPA 3050]

	B-7	B-8
Acid Digestion of Soils	Completed [1/26/00]	Completed [1/26/00]

ANALYSIS:

Total Mercury (Dry Wt) [EPA 7471] Units: mg/kg (Dry Wt) Analysis Date: 1/27/00

	B-1	B-2 NE	B-3	B-4	B-5 SW	B-6
Total Mercury (Dry Wt)	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20

Total Mercury (Dry Wt) [EPA 7471] Units: mg/kg (Dry Wt) Analysis Date: 1/27/00

	B-7	B-8
Total Mercury (Dry Wt)	ND < 0.20	ND < 0.20

NOTES:
[ ] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

Total Solids [EPA 160.3] Units: percent Analysis Date: 1/26/00

	B-1	B-2 NE	B-3	B-4	B-5 SW	B-6
Total Solids	89.8	91.2	91.3	93.5	91.1	82.8

Total Solids [EPA 160.3] Units: percent Analysis Date: 1/26/00

	B-7	B-8
Total Solids	90.4	89.7

Total Metals (Dry Wt) [EPA 6010] Units: mg/kg (Dry Wt) Analysis Date: 1/28/00

	B-1	B-2 NE	B-3	B-4	B-5 SW	B-6
Lead	2.2	7.0	6.4	ND < 2.0	13	5.0
Selenium	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Cadmium	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.4
Chromium	4.0	16	19	4.2	14	19
Arsenic	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	12
Barium	60	140	130	33	97	160
Silver	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Copper	6.5	13	15	9.9	22	34
Nickel	5.0	16	23	5.5	14	16

Total Metals (Dry Wt) [EPA 6010] Units: mg/kg (Dry Wt) Analysis Date: 1/28/00

	B-7	B-8
Lead	2.5	3.1
Selenium	ND < 1.0	ND < 1.0
Cadmium	ND < 1.0	ND < 1.0
Chromium	5.6	4.2
Arsenic	ND < 2.0	ND < 2.0
Barium	62	64
Silver	ND < 2.0	ND < 2.0
Copper	4.8	6.0
Nickel	6.9	4.7

Sincerely,

David Ditta
Laboratory Director

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

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COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

February 23, 2000

Ms. Kate Novick
Woodard & Curran Inc.
515 Highland Ave.
Cheshire, CT 06410

Project: Russell Mfg.
Project #: 995238.02
CET #: 00020494
Aqueous: Equipment Blank; Trip Blank
Collection Date(s): 2/16/00

ANALYSIS:

Total Mercury [EPA 7470] Units: mg/l Analysis Date: 2/22/00

	Equipment Blank
Total Mercury	ND < 0.002

Total Metals [EPA 200.7] Units: mg/l Analysis Date: 2/21/00

	Equipment Blank
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.05
Barium	ND < 0.05
Silver	ND < 0.02
Copper	ND < 0.05
Nickel	ND < 0.05

NOTES:
[ ] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

Volatile Organics [EPA 8260] Units: ug/l Analysis Date: 2/19/00

	Equipment Blank	Trip Blank
Dichlorodifluoromethane	ND < 10	ND < 10
Chloromethane	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 2.0	ND < 2.0
Bromomethane	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0
Trichlorofluoromethane	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0
2,2-Dichloropropane	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0
Bromochloromethane	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0
Trichloroethene	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 1.0	ND < 1.0
cis-1,3-Dichloropropene	ND < 1.0	ND < 1.0
Toluene	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 1.0	ND < 1.0
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 1.0	ND < 1.0
Dibromochloromethane	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 1.0	ND < 1.0
Chlorobenzene	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/1 Analysis Date: 2/19/00

	Equipment Blank	Trip Blank
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 1.0	ND < 1.0
Naphthalene	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0

Sincerely,

David Ditta

David Ditta
Laboratory Director

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

February 24, 2000

Ms. Kate Novick
Woodard & Curran Inc.
515 Highland Ave.
Cheshire, CT 06410

Project: Russell Mfg.
Project #: 995238.02
CET #: 00020493
Concrete: CH10; CH11; CH12; CH13; Dupe 1
Collection Date(s): 2/16/00
Soil: CB1; HWSA1-Soil; HWSA2-Soil
Collection Date(s): 2/16/00
Wood: HWSA1-Wood; HWSA2-Wood
Collection Date(s): 2/16/00

PREP ANALYSIS:

Acid Digestion of Soils [EPA 3050]

	HWSA1-Soil	HWSA2-Soil	CB1
Acid Digestion of Soils	Completed [2/22/00]	Completed [2/22/00]	Completed [2/22/00]

TCLP, Metals [EPA 1311]

	CH10	CH11	CH12	CH13	Dupe 1	HWSA1-Wood
TCLP, Metals	Completed [2/19/00]	Completed [2/19/00]	Completed [2/19/00]	Completed [2/19/00]	Completed [2/19/00]	Completed [2/19/00]

TCLP, Metals [EPA 1311]

	HWSA1-Soil	HWSA2-Wood	HWSA2-Soil	CB1
TCLP, Metals	Completed [2/19/00]	Completed [2/19/00]	Completed [2/19/00]	Completed [2/19/00]

NOTES:
[ ] Indicates Date Prep Test Completed; ND is Not Detected.

ANALYSIS:

Cyanide, Total [EPA 9010] Units: mg/kg Analysis Date: 2/21/00

	HWSA1-Wood	HWSA2-Wood
Cyanide, Total	ND < 5.0	ND < 5.0

TCLP Mercury [EPA 7470] Units: mg/l Analysis Date: 2/22/00

	CH10	CH11	CH12	CH13	Dupe 1	HWSA1-Wood
TCLP Mercury	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002

TCLP Mercury [EPA 7470] Units: mg/l Analysis Date: 2/22/00

	HWSA1-Soil	HWSA2-Wood	HWSA2-Soil	CB1
TCLP Mercury	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002

Total Mercury (Dry Wt) [EPA 7471] Units: mg/kg (Dry Wt) Analysis Date: 2/23/00

	HWSA1-Soil	HWSA2-Soil	CB1
Total Mercury (Dry Wt)	0.37	0.40	1.07

Total Petroleum Hydrocarbons [EPA 418.1] Units: mg/kg Analysis Date: 2/18/00

	HWSA1-Wood	HWSA1-Soil	HWSA2-Wood	HWSA2-Soil	CB1
Total Petroleum Hydrocarbons	760	62	29000	ND < 50	1500

pH [EPA 9045C] Analysis Date: 2/21/00

	HWSA1-Wood	HWSA2-Wood
pH	2.14	6.62

Reactivity (Cyanide) [SW 846 CH.7] Units: mg/kg Analysis Date: 2/21/00

	HWSA1-Wood	HWSA2-Wood
Reactivity (Cyanide)	ND < 5.0	ND < 5.0

Reactivity (Sulfide) [SW 846 CH.7] Units: mg/kg Analysis Date: 2/22/00

	HWSA1-Wood	HWSA2-Wood
Reactivity (Sulfide)	ND < 20	80

Total Solids [EPA 160.3] Units: percent Analysis Date: 2/18/00

	HWSA1-Soil	HWSA2-Soil	CB1
Total Solids	92	92	73

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Total Metals (Dry Wt) [EPA 6010] Units: mg/kg (Dry Wt) Analysis Date: 2/22/00

	HWSA1-Soil	HWSA2-Soil	CB1
Lead	150	89	560
Selenium	ND < 1.0	ND < 1.0	ND < 1.0
Cadmium	ND < 1.0	ND < 1.0	4.1
Chromium	17	12	58
Arsenic	ND < 2.0	ND < 2.0	ND < 2.0
Barium	97	70	220
Silver	ND < 2.0	ND < 2.0	ND < 2.0
Copper	330	780	260
Nickel	16	11	110

TCLP Metals [EPA 6010] Units: mg/L Analysis Date: 2/21/00

	CH10	CH11	CH12	CH13	Dupe 1	HWSA1-Wood
Lead	ND < 0.013	ND < 0.013	0.017	1.4	0.17	15
Selenium	0.017	ND < 0.01	0.011	ND < 0.01	0.011	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	0.0079
Chromium	0.11	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	1.9
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.29	0.28	0.41	0.22	0.43	0.16
Silver	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Copper	ND < 0.05	0.43	0.57	5.7	1.6	130
Nickel	ND < 0.05	0.052	0.079	0.067	0.081	2.0

TCLP Metals [EPA 6010] Units: mg/L Analysis Date: 2/21/00

	HWSA1-Soil	HWSA2-Wood	HWSA2-Soil	CB1
Lead	0.31	0.037	0.043	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	0.0053
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Barium	0.84	0.57	0.83	0.79
Silver	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Copper	1.8	81	8.7	0.10
Nickel	0.059	0.10	ND < 0.05	0.18

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 2/18/00

	CH10	CH11	CH12	CH13	Dupe 1	HWSA1-Wood
Dichlorodifluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Chloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromomethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloroethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10	ND < 10	34	ND < 10	ND < 10
trans-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 2/18/00

	CH10	CH11	CH12	CH13	Dupe 1	HWSA1-Wood
cis-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromochloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroform	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Tetrachloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Trichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromodichloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Toluene	49	17	7.6	39	9.8	100
trans-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2-Trichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Tetrachloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromochloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromoethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Ethylbenzene	3900	670	200	2000	440	ND < 5.0
m+p Xylenes	16000	4100	1300	11000	2600	33
o-Xylene	6100	2200	480	4200	920	ND < 5.0
Styrene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromoform	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Isopropylbenzene	25	11	ND < 5.0	19	ND < 5.0	ND < 5.0
1,1,2,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,3-Trichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Propylbenzene	16	ND < 5.0	ND < 5.0	12	ND < 5.0	ND < 5.0
2-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3,5-Trimethylbenzene	64	22	6.2	47	9.7	ND < 5.0
tert-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trimethylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
sec-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	13
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Isopropyltoluene	210	86	24	280	ND < 5.0	450
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromo-3-Chloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Hexachlorobutadiene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 5.0	19	ND < 5.0	ND < 5.0	40	ND < 5.0
1,2,3-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 2/18/00

	HWSA1-Soil	HWSA2-Wood	HWSA2-Soil	CB1
Dichlorodifluoromethane	ND < 25	ND < 25	ND < 25	ND < 25
Chloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Vinyl Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromomethane	ND < 10	ND < 10	ND < 10	ND < 10
Chloroethane	ND < 10	ND < 10	ND < 10	ND < 10
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10	ND < 10	ND < 10
trans-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromochloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroform	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Tetrachloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Trichloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromodichloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
cis-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Toluene	ND < 5.0	71	ND < 5.0	ND < 5.0
trans-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2-Trichloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Tetrachloroethene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3-Dichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Dibromochloromethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromoethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Ethylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
m+p Xylenes	25	16	10	5.6
o-Xylene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Styrene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromoform	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Isopropylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,2,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Bromobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,3-Trichloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Propylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
2-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,3,5-Trimethylbenzene	17	ND < 5.0	ND < 5.0	ND < 5.0
tert-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trimethylbenzene	15	ND < 5.0	ND < 5.0	ND < 5.0
sec-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: ug/kg Analysis Date: 2/18/00

	HWSA1-Soil	HWSA2-Wood	HWSA2-Soil	CB1
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
4-Isopropyltoluene	19	140	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
n-Butylbenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2-Dibromo-3-Chloropropane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Hexachlorobutadiene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	35	ND < 5.0	ND < 5.0	ND < 5.0
1,2,3-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Sincerely,

David Ditta
Laboratory Director

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

RECEIVED
MAR - 1 2000
WOODARD & CURRAN INC.

COMPLETE ENVIRONMENTAL TESTING, INC.

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484

Tel: (203) 925-1133
Fax: (203) 925-1140
e-mail: comenvtst@aol.com

February 25, 2000

Ms. Kate Novick
Woodard & Curran Inc.
515 Highland Ave.
Cheshire, CT 06410

Project: Russell Mfg.
Project #: 995238.02
CET #: 00020495
Liquid: RES6
Collection Date(s): 2/16/00

PREP ANALYSIS:

TCLP, Metals [EPA 1311]

	RES6
TCLP, Metals	Completed [2/19/00]

ANALYSIS:

Cyanide, Amenable [EPA 335.1] Units: mg/l Analysis Date: 2/25/00

	RES6
Cyanide, Amenable	ND<1.0

Cyanide, Total [EPA 335.2] Units: mg/l Analysis Date: 2/22/00

	RES6
Cyanide, Total	ND<1.0

TCLP Mercury [EPA 7470] Units: mg/l Analysis Date: 2/22/00

	RES6
TCLP Mercury	ND < 0.002

Total Petroleum Hydrocarbons [EPA 418.1] Units: mg/kg Analysis Date: 2/18/00

	RES6
Total Petroleum Hydrocarbons	ND < 50

NOTES:
[ ] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

Flash Point (Ignitability) [EPA 1010] Units: Degrees F Analysis Date: 2/18/00

	RES6
Flash Point (Ignitability)	None Observed >180

pH [EPA 150.1] Analysis Date: 2/21/00

	RES6
pH	<1.0

Reactivity (Cyanide) [SW 846 CH.7] Units: mg/kg Analysis Date: 2/22/00

	RES6
Reactivity (Cyanide)	ND < 5.0

Reactivity (Sulfide) [SW 846 CH.7] Units: mg/kg Analysis Date: 2/22/00

	RES6
Reactivity (Sulfide)	ND < 20

TCLP Metals [EPA 6010] Units: mg/L Analysis Date: 2/21/00

	RES6
Lead	0.84
Selenium	ND < 0.01
Cadmium	0.034
Chromium	0.36
Arsenic	0.10
Barium	1.6
Silver	ND < 0.02
Copper	40
Nickel	0.15

Volatile Organics [EPA 8260] Units: mg/kg Analysis Date: 2/21/00

	RES6
Dichlorodifluoromethane	ND < 10
Chloromethane	ND < 5.0
Vinyl Chloride	ND < 2.0
Bromomethane	ND < 5.0
Chloroethane	ND < 5.0
Trichlorofluoromethane	ND < 25
1,1-Dichloroethene	ND < 1.0
Methylene Chloride	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10
trans-1,2-Dichloroethene	ND < 1.0
1,1-Dichloroethane	ND < 1.0
2,2-Dichloropropane	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0
Bromochloromethane	ND < 1.0
Chloroform	ND < 1.0
1,1,1-Trichloroethane	ND < 1.0
Carbon Tetrachloride	ND < 1.0
1,1-Dichloropropene	ND < 1.0
Benzene	ND < 1.0
1,2-Dichloroethane	ND < 1.0

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

Volatile Organics [EPA 8260] Units: mg/kg Analysis Date: 2/21/00

	RES6
Trichloroethene	ND < 1.0
1,2-Dichloropropane	ND < 1.0
Dibromomethane	ND < 5.0
Bromodichloromethane	ND < 1.0
cis-1,3-Dichloropropene	ND < 1.0
Toluene	ND < 1.0
trans-1,3-Dichloropropene	ND < 1.0
1,1,2-Trichloroethane	ND < 1.0
Tetrachloroethene	ND < 1.0
1,3-Dichloropropane	ND < 1.0
Dibromochloromethane	ND < 1.0
1,2-Dibromoethane	ND < 1.0
Chlorobenzene	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0
Ethylbenzene	ND < 1.0
m+p Xylenes	ND < 1.0
o-Xylene	ND < 1.0
Styrene	ND < 1.0
Bromoform	ND < 1.0
Isopropylbenzene	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 1.0
Bromobenzene	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0
n-Propylbenzene	ND < 1.0
2-Chlorotoluene	ND < 1.0
4-Chlorotoluene	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0
tert-Butylbenzene	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0
sec-Butylbenzene	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0
4-Isopropyltoluene	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0
n-Butylbenzene	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 5.0
1,2,4-Trichlorobenzene	ND < 1.0
Hexachlorobutadiene	ND < 1.0
Naphthalene	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0

Sincerely,

David Ditta
Laboratory Director

Notes:
[ ]Indicates Date Prep Test Completed; ND is Not Detected.

APPENDIX H

CHAINS OF CUSTODY

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

1 of 2

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484
Tel (203) 925-1133
FAX (203) 925-1140

COMPANY NAME AND ADDRESS
Woodard & Curran
515 Highland Ave.
Cheshire, CT 06410

REPORT TO:	PROJECT #:	PROJECT LOCATION:	PURCHASE ORDER #:	SAMPLED BY:
Kati Novick	995238.01	Russell Mfg		KN

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Kati Novick	1-12-00	1339	W. E. Lauck	1-12-00	1340
W. E. Lauck	1-12-00	1450	[illegible]	1/12/00	1520
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME

ANALYSIS REQUIRED

SAMPLE #	SAMPLE LOCATION	DATE 2000	TIME	SAMPLE MATRIX	PRIORITY YES / NO	# OF CONTAINERS	VOCs	TPH	TCLP RCRA 8 Met	Tot. Cyanide	Tot. RCRA 8 Met.	Tot. Nickel	Tot. Copper
B-1	Russell Manufacturing	1-11	820	SOIL	No	2	X	X	HOL*		X	X	X
B-2 NE		1-11	1330				X	X	HOL*				
B-3			856				X	X	X	X			
B-4			940			1	X	X					
B-5 SW			1410			2	X	X					
B-6			1110				X	X	HOL*				
B-7			1155				X	X	X	X			
B-8			1145				X	X	X	X			
EQUIP. BLANK		1-12	950	DI		3	X	X					

new 1-25-00

SPECIAL INSTRUCTIONS
1. Please report PNAs with lowest detection limit possible.
2. Please report these analytical results in an excel spreadsheet format.

COMMENTS
HOL* means please hold this analysis until further notice.

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484
Tel (203) 925-1133
FAX (203) 925-1140

2 of 2

COMPANY NAME AND ADDRESS
Woodard & Curran
515 Highland Ave.
Cheshire, CT 06410

REPORT TO:	PROJECT #:	PROJECT LOCATION:	PURCHASE ORDER #:	SAMPLED BY:
Kate Novick	995238.01	Russell Mfg.		KN

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Kate Novick	1-12-00	1-12-00	W. E. Lauck	1-12-00	1340
W. E. Lauck	1-12-00	1620	[illegible]	1/12/00	1620

ANALYSIS REQUIRED

SAMPLE #	SAMPLE LOCATION	DATE 2000	TIME	SAMPLE MATRIX	PRIORITY YES / NO	# OF CONTAINERS	VOCs	TPH	PNA 8270	SPLP PAH	SPLP RCRA 8 Metals
Bank B-1	371 E. Main St.	1-11	1545	Soil	No	2			X	X	X
Bank B-2	↓	↓	1605	↓	↓	2			X	X	X
Bank B-4	↓	↓	1640	↓	↓	2			X	X	X
GW-4	Russell Mfg.	↓	1000	Aq	↓	3	HOL*	HOL*			
MW-1	↓	↓	1510	↓	↓	3	X	X			
MW-2	↓	↓	910	↓	↓	3	X	X			
MW-3	↓	1-12	930	↓	↓	3	X	X			

SPECIAL INSTRUCTIONS
1. Please report PNAs with lowest detection limit possible.
2. Please report the analytical results in an excel spreadsheet format.

COMMENTS
1-HOL* means please hold this analysis until further notice.

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

1 of 2

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484
Tel (203) 925-1133
FAX (203) 925-1140

COMPANY NAME AND ADDRESS	REPORT TO:	PROJECT #:	PROJECT LOCATION:	PURCHASE ORDER #:	SAMPLED BY:
Woodard & Curran 515 Highland Ave., Cheshire, CT 06410	Kate Novick	995238.01	Middletown		FL/KN

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Kate Novick	1-7-00	1330	W. E. Lauch	1-7-99	1330
W. E. Lauch	1-7-00	1601	D. Novak	1-7-00	1600

ANALYSIS REQUIRED

SAMPLE #	SAMPLE LOCATION	DATE 2000	TIME	SAMPLE MATRIX	PRIORITY YES / NO	# OF CONTAINERS	Flash Point	Reactive Sulfide	Corrosivity	TCLP RCRA 8 Met.	tot. VOCs (8260)	tot. Cyanide	Amenable Cyanide	Reactive Cyanide	PCBs	tot. RCRA Met.					
RES-1	Russell Mfg.	1/6	1030	SOLID residue	NO	2	X	X	X	X	X	X	X	X							
RES-2	↓	↓	1050	↓	↓	1	X	X	X	X	X	X	X	X	X						
RES-3	↓	↓	1100	↓	↓	2	X	X	X	X	X	X	X	X	X						
RES-4	↓	↓	1110	↓	↓	2	X	X	X	X	X	X	X	X	X						
RES-5	↓	↓	1200	↓	↓	2	X	X	X	X	X	X	X	X							
CH-1	↓	↓	1215	Concrete	↓	2				X	X	X	X	X							
CH-2	↓	↓	1230	↓	↓	2				↓	↓	↓	↓	↓							
CH-3	↓	↓	1430	↓	↓	2				↓	↓	↓	↓	↓							
CH-4	↓	↓	1435	↓	↓	2				↓	↓	↓	↓	↓							

SPECIAL INSTRUCTIONS

COMMENTS

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

911 Bridgeport Avenue
900 Shelton Plaza
Shelton, CT 06484
Tel (203) 925-1133
FAX (203) 925-1140

2 of 2

COMPANY NAME AND ADDRESS: Woodard & Curran, 515 Highland Ave., Cheshire, CT 06410

REPORT TO:	PROJECT #:	PROJECT LOCATION:	PURCHASE ORDER #:	SAMPLED BY:
Kate Norick	995238.01	Middletown		FL/KN

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Kate Norick	1-7-00	1330	W. E. Lauck	1-7-00	1330
W. E. Lauck	1-7-00	1600	D. Nnak	1-7-00	16:00
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME

ANALYSIS REQUIRED

SAMPLE #	SAMPLE LOCATION	DATE 2000	TIME	SAMPLE MATRIX	PRIORITY YES / NO	# OF CONTAINERS	Flash point	Reactive Sulfide	Corrosivity	TCLP RCRA Met.	tot. VOCs (8260)	tot. Cyanide	Amenable Cyanide	Reactive Cyanide	PCBs	tot. RCRA Met.
CH-5	Russell Mfg.	1/6	1500	Concrete	NO	2				X	X	X	X	X		
CH-6			1525			2										
CH-7			1535			2										
CH-8			1550			2										
CH-9			1610			2										
CH-1 Pipe			1215			2										
Equip. Blank			1406	AQ		3					2					1
Trip Blank		1/5	1600			1					1					

SPECIAL INSTRUCTIONS

COMMENTS

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CHAIN OF CUSTODY

COMPANY NAME AND ADDRESS
Woodard & Curran
515 Highland Ave. Cheshire, CT 06410

REPORT TO:	PROJECT #:	PROJECT LOCATION:	PURCHASE ORDER #:	SAMPLED BY:
Kate Novick	995238.02	Russell Mfg.		KAN/FL

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Kate Novick	2-17-00	1545	W-E-Lauck	2/17/00	1540
W-E-Lauck	2/18/00	1250	Dave Donald	2/18/00	1255

ANALYSIS REQUIRED

SAMPLE #	SAMPLE LOCATION	DATE	TIME	SAMPLE MATRIX	PRIORITY YES / NO	# OF CONTAINERS	TCLP RCRA Metals and Cu and Ni	Total Cyanide	Reactive Cyanide	Amenable Cyanide	Reactive Sulfide	Flash Point	pH	VOCs	Total RCRA Metals and Cu and Ni	TPH
CH10	Russell Mfg.	2/16/00	1010	Concrete chips	No	2	X							X		
CH11	↓	↓	1025	↓	↓	↓	↓							↓		
CH12	↓	↓	1040	↓	↓	↓	↓							↓		
CH13	↓	↓	1045	↓	↓	↓	↓							↓		
Dupe 1	↓	↓	1042	↓	↓	↓	↓							↓		
HWSA1-WOOD	↓	↓	1350	WOOD Shavings	↓	↓	X	X	X	X	X	X	X	X		X
HWSA1-SOIL	↓	↓	1345	SOIL	↓	↓	X	HOL	HOL	HOL				X	X	X
HWSA2-WOOD	↓	↓	1415	Wood shavings	↓	↓	X	X	X	X	X	X	X	X		X
HWSA2-SOIL	↓	↓	1420	SOIL	↓	↓	X	HOL	HOL	HOL				X	X	X

SPECIAL INSTRUCTIONS
HOL - Hold analysis until further notice.

COMMENTS

COMPLETE ENVIRONMENTAL TESTING, INC.

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Shelton, CT 06484
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CHAIN OF CUSTODY

COMPANY NAME AND ADDRESS
Woodard & Curran
515 Highland Ave. Cheshire, CT 06410

REPORT TO:	PROJECT #:	PROJECT LOCATION:	PURCHASE ORDER #:	SAMPLED BY:
Kati Novick	995238.02	Russell mfg.		KAN/FL

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Kati Novick	2-17-00	1545	D. E. Lauch	2-17-00	1545
D. E. Lauch	2/18/00	13:57	[illegible]	2/18/00	13:06

ANALYSIS REQUIRED

SAMPLE #	SAMPLE LOCATION	DATE	TIME	SAMPLE MATRIX	PRIORITY YES / NO	# OF CONTAINERS	Total RCRA metals and Cr and Ni	TCLP RCRA metals and Cr and Ni	VOCs	TPH	Total Cyanide	Reactive Cyanide	Amenable Cyanide	Reactive Sulfide	Flash Point	pH
CB1	Russell ~~Sty~~ mfg	2-16-00	1500	SOIL	NO	2	X	X	X	X						
Equipment Blank	↓	↓	1440	AQ	↓	3	X		X							
RES6	↓	↓	1430	LIQUID RESIDUE	↓	2		X	X	X	X	X	X	X	X	X

SPECIAL INSTRUCTIONS

COMMENTS RES6 is unknown substance