



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny  
Secretary

Box 7921  
Madison, Wisconsin 53707

October 20, 1989  
Dr. Donald Josif, Ph.D.  
USEPA Region V 5HR-12  
230 South Dearborn Street  
Chicago, IL 60604

In Reply Refer to : 4440

Dear Dr. Josif,

Enclosed is a Preliminary Assessment as agreed upon in our Preremedial Superfund Cooperative Agreement. The Wisconsin site is listed below.

<u>Cerclis #</u>	<u>Site Name</u>	<u>PA Rating</u>
None assigned	Westfield Equipment Company	High

The WDNR believes that further investigation through the Preremedial Superfund program is warranted for this site. We plan on conducting a site inspection in the near future as part of our next cooperative agreement with EPA. Because of WDNR's involvement with this site, the state would like to be tasked to do the site inspection, should EPA require one.

We are submitting this Preliminary Assessment for your review and approval. If EPA does not concur with this rating, please contact Robin Schmidt at (608) 267-7569.

Sincerely,

Mark F. Giesfeldt, Chief  
Environmental Response and Repair Section

ENC.

cc: Robin Schmidt/Irene Olson - SW/3  
Mike Schmoller - SOD



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# Potential Hazardous Waste Site

## Preliminary Assessment

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# Preliminary Assessment



**POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT**

**I. IDENTIFICATION**  
01 STATE 02 SITE NUMBER

**II. SITE NAME AND LOCATION**

01 SITE NAME (Legal, common, or descriptive name of site) <b>WESTFIELD EQUIPMENT COMPANY</b>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <b>100 HILLCREST DRIVE</b>			
03 CITY <b>WESTFIELD</b>	04 STATE <b>WI</b>	05 ZIP CODE <b>53964</b>	06 COUNTY <b>MARQUETTE</b>	07 COUNTY CODE <b>39</b>	08 CONG DIST <b>6</b>
09 COORDINATES LATITUDE <b>29 30 00</b>		LONGITUDE <b>043 52 30</b>			
10 DIRECTIONS TO SITE (Starting from nearest public road) <i>exit US 51 to west on East 2nd Street, travel west to South Main Street, travel south to West 4th Street, travel west to Hillcrest Drive, travel north to the plant site.</i>					

**III. RESPONSIBLE PARTIES**

01 OWNER (if known) <b>APPLIED POWER INC</b>		02 STREET (Business, mailing, residential) <b>13000 W. SILVER SPRING DRIVE</b>			
03 CITY <b>BUTLER</b>	04 STATE <b>WI</b>	05 ZIP CODE <b>53007</b>	06 TELEPHONE NUMBER <b>(414) 781-6600</b>		
07 OPERATOR (if known and different from owner) <b>WESTFIELD EQUIPMENT COMPANY</b>		08 STREET (Business, mailing, residential) <b>100 HILLCREST DRIVE</b>			
09 CITY <b>WESTFIELD</b>	10 STATE <b>WI</b>	11 ZIP CODE <b>53964</b>	12 TELEPHONE NUMBER <b>(608) 296-2118</b>		

13 TYPE OF OWNERSHIP (Check one):  
 A. PRIVATE     B. FEDERAL: \_\_\_\_\_ (Agency name: \_\_\_\_\_)  
 C. STATE     D. COUNTY     E. MUNICIPAL  
 F. OTHER: \_\_\_\_\_ (Specify: \_\_\_\_\_)     G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply):  
 A. RCRA 3001 DATE RECEIVED: \_\_\_\_/\_\_\_\_/\_\_\_\_     B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: \_\_\_\_/\_\_\_\_/\_\_\_\_     C. NONE

**IV. CHARACTERIZATION OF POTENTIAL HAZARD**

01 ON SITE INSPECTION BY (Check all that apply):  
 YES    DATE **9/1/87**     A. EPA     B. EPA CONTRACTOR     C. STATE     D. OTHER CONTRACTOR  
 NO     E. LOCAL HEALTH OFFICIAL     F. OTHER: \_\_\_\_\_ (Specify: \_\_\_\_\_)  
 CONTRACTOR NAME(S): \_\_\_\_\_

02 SITE STATUS (Check one):  
 A. ACTIVE     B. INACTIVE     C. UNKNOWN

03 YEARS OF OPERATION  
 BEGINNING YEAR **1971**    ENDING YEAR **ONGOING**     UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  
*Groundwater and drinking water has been contaminated with several organic chemicals including 1,1,1-trichloroethane, trichloroethylene and others. Contamination exceeds all state and federal drinking water standards. At least 43 wells covering a 4500 foot pathway show detectable levels of contamination. On site soils at Westfield Equipment also show organic contaminants.*

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  
*Possibly 1000-1200 people are being exposed to contaminated drinking water. At least 43 houses show various levels of contaminated drinking water. The suspected area of contamination covers the majority of the residential area in the village as well as some commercial and industrial sites.*

**V. PRIORITY ASSESSMENT**

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Descriptor of Hazardous Conditions and Incidents):  
 A. HIGH (inspection required promptly)     B. MEDIUM (inspection required)     C. LOW (inspect on time available basis)     D. NONE (No further action needed, complete current disposition form)

**VI. INFORMATION AVAILABLE FROM**

01 CONTACT <b>MICHAEL SCHMOLLER</b>		02 OF (Agency, Organization) <b>WDNR</b>		03 TELEPHONE NUMBER <b>608 275-3303</b>	
04 PERSON RESPONSIBLE FOR ASSESSMENT <b>MICHAEL SCHMOLLER</b>		05 AGENCY <b>WDNR</b>	06 ORGANIZATION <b>WDNR</b>	07 TELEPHONE NUMBER <b>608 275-3303</b>	08 DATE <b>9/26/89</b> MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- A SOLID  
 B POWDER, FINES  
 C SLUDGE  
 D OTHER (Specify) \_\_\_\_\_  
 E SLURRY  
 F LIQUID  
 G GAS

02 WASTE QUANTITY AT SITE

(Measures of waste quantities must be independent)

TONS \_\_\_\_\_  
 CUBIC YARDS UNKNOWN  
 NO OF DRUMS \_\_\_\_\_

03 WASTE CHARACTERISTICS (Check all that apply)

- A TOXIC  
 B CORROSIVE  
 C RADIOACTIVE  
 D PERSISTENT  
 E SOLUBLE  
 F INFECTIOUS  
 G FLAMMABLE  
 H IGNITABLE  
 I HIGHLY VOLATILE  
 J EXPLOSIVE  
 K REACTIVE  
 L INCOMPATIBLE  
 M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			Unknown volumes of solvents were spilled and intentionally dumped at the Westfield Equipment Plant between 1971 and the early 1980's. Paint wastes were also possibly spilled at the site.
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/ DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	1,1,1-Trichloroethane	25323-89-1	encapsulated	8,000	mg/l
SOL	Trichloroethylene	79-01-6	spills and intentional	28	mg/l
SOL	1,1-Dichloroethylene		intentional	77	mg/l
SOL	1,1-Dichloroethane	75-34-3	dumping	1.3	mg/l
SOL	tetrachloroethylene	127-18-4		8	mg/l

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS	Unknown		FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)

- 1) WDNK Files
- 2) Westfield and Melmanee Phase Books
- 3) Waygon Phase I and II investigation reports



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01  A. GROUNDWATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED: 1000-1200 02  OBSERVED (DATE: 8/3/88)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION and others  
*groundwater contamination has been confirmed from the west to the east sides of the village and covering about the southern half of the village. Contamination appears to be confined to the unconsolidated sand and gravel aquifer. The contamination includes residential commercial and industrial areas*

01  B. SURFACE WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION  
*none known*

01  C. CONTAMINATION OF AIR  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION  
*none known*

01  D. FIRE/EXPLOSIVE CONDITIONS  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION  
*none known*

01  E. DIRECT CONTACT  
03 POPULATION POTENTIALLY AFFECTED 1000-1200 02  OBSERVED (DATE: 5/23/89)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION and others  
*at least 43 water supply wells are contaminated, some at levels exceeding state and federal health standards. Direct contact through domestic water use is likely occurring for village residents*

01  F. CONTAMINATION OF SOIL  
03 AREA POTENTIALLY AFFECTED less than 1 02  OBSERVED (DATE: 7/24/89)  POTENTIAL  ALLEGED  
(ACRES)  
04 NARRATIVE DESCRIPTION  
*on site soil testing has confirmed high levels of soil contamination (104,000 ug/kg of 1,1,1-trichloroethane) adjacent to the plant*

01  G. DRINKING WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED 1000-1200 02  OBSERVED (DATE: 5/23/88)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION and others  
*43 water supply wells show various levels of organic chemical contamination. Contamination levels in some wells exceed state and federal health standards*

01  H. WORKER EXPOSURE/INJURY  
03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_ 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

01  I. POPULATION EXPOSURE/INJURY  
03 POPULATION POTENTIALLY AFFECTED 1000-1200 02  OBSERVED (DATE: 5/23/88)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION and others  
*Because of the extensive drinking water contamination problem population exposure, through domestic use of contaminated water, has occurred*



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION  
01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

01  J. DAMAGE TO FLORA 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

*none known*

01  K. DAMAGE TO FAUNA 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION *(include names of species)*

*none known*

01  L. CONTAMINATION OF FOOD CHAIN 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

*none known*

01  M. UNSTABLE CONTAINMENT OF WASTES 02  OBSERVED (DATE: 5/23/88)  POTENTIAL  ALLEGED  
*(Spills/runoff/standing liquids/leaking drums)*

03 POPULATION POTENTIALLY AFFECTED: 1000-1200 04 NARRATIVE DESCRIPTION

*waste materials from uncontrolled spills and intentional dumping have migrated offsite through groundwater*

01  N. DAMAGE TO OFFSITE PROPERTY 02  OBSERVED (DATE: 5/23/88)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION *and others*

*Drinking water supplies have been contaminated off site of the equipment plant*

01  O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

*Wastewater treatment plant operators in Westfield have identified Westfield Equipment Company as a source of VOC discharges to the sanitary sewer system*

01  P. ILLEGAL/UNAUTHORIZED DUMPING 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
04 NARRATIVE DESCRIPTION

*WONR investigations, to date, have concluded that spills and intentional dumping of waste solvents were common place occurrences at the Westfield Equipment Company*

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

*none known at this time*

III. TOTAL POPULATION POTENTIALLY AFFECTED: 1000-1200

IV. COMMENTS

*Drinking water contamination in the Village of Westfield represents a serious public health risk to the majority, if not all, of the residents of the village.*

V. SOURCES OF INFORMATION *(Cite specific references, e. g., state files, sample analysis, reports)*

1) WONR Files

# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

## General Information

The Potential Hazardous Waste Site, Preliminary Assessment form is used to record information necessary to make an initial evaluation of the potential risk posed by a site and to recommend further action.

The Preliminary Assessment form contains three parts:

Part 1 – Site Information and Assessment

Part 2 – Waste Information

Part 3 – Description of Hazardous Conditions and Incidents

Part 1 – Site Information and Assessment contains all of the data elements also contained on the Site Identification form required to add a site to the automated Site Tracking System (STS). It is therefore possible to add a site to STS at the Preliminary Assessment stage. Instructions are given below.

Part 2 – Waste Information and Part 3 – Description of Hazardous Conditions and Incidents are used to record specific information about substances, amounts, hazards, and targets, e.g., population potentially affected, that are used in determining the priority for further action. Parts 2 and 3 are also contained in the Potential Hazardous Waste Site, Site Inspection Report form where they may be used to update, add, delete, or correct information supplied on the Preliminary Assessment.

An Appendix with feedstock names and CAS Numbers and the most frequently cited hazardous substances and CAS Numbers is located behind the instructions for the Preliminary Assessment.

## General Instructions

1. Complete the Preliminary Assessment form as completely as possible.

2. Starred items (\*) are required before assessment information can be added to STS. The system will not accept incomplete assessment information.

3. To add a site to STS at the Preliminary Assessment stage, write "New" across the top of the form and complete items II-01, 02, 03, 04, and 06, Site Name and Location, and item III-13, Type of Ownership.

4. Data items carried in STS, which are identical to those on the Site Identification form and which can be added, deleted, or changed using the Preliminary Assessment form, are indicated with a pound sign (#). To ensure that the proper action is taken, outline the item(s) to be added, deleted, or changed with a bright color and indicate the proper action with "A" (add), "D" (delete), or "C" (change).

5. There are two options available for adding, deleting, or changing information supplied on the Preliminary Assessment form. The first is to use a new Preliminary Assessment form, completing only those items to be added, deleted, or changed. Mark the form clearly, using "A", "D", or "C", to indicate the action to be taken. If only data carried in STS are to be altered, the Site Source Data Report may be used. Using report, mark clearly the items to be changed and the action to be taken.

## Detailed Instructions

### Part 1. Site Information and Assessment

I. Identification: Identification (State and Site Number) is the site record key, or primary identifier, for the site. Site records in the STS are updated based on Identification. It is essential that State and Site Number are correctly entered on each form.

\*I-01 State: Enter the two character alpha FIPS code for the state in which the site is located. It must be identical to State on the Site Identification form.

\*I-02 Site Number: Enter the ten character alphanumeric code for sites which have a Dun and Bradstreet or EPA "user" Dun and Bradstreet number or the ten character numeric GSA identification code for federal sites. The Site Number must be identical to the Site Number on the Site Identification form.

II. Site Name and Location: If Site Name and Location information require no additions or changes, these items are not required on the Preliminary Assessment form. However, completing these items will facilitate use of the completed form and records management procedures.

#II-01 Site Name: Enter the legal, common, or descriptive name of the site.

#II-02 Site Street: Enter the street address and number (if appropriate) where the site is located. If the precise street address is unavailable for this site, enter brief direction identifier, e.g., NW intersection I-295 & US 99; Post Rd, 5 mi W of Rt. 5.

#II-03 Site City: Enter the city, town, village, or other municipality in which the site is located. If the site is not located in a municipality, enter the name of the municipality (or place) which is nearest the site or which most easily locates the site.

#II-04 Site State: Enter the two character alpha FIPS code for the state in which the site is located. The code must be the same as in item I-01.

#II-05 Site Zip Code: Enter the five character numeric zip code for the postal zone in which the site is located.

#II-06 Site County: Enter the name of the county, parish (Louisiana), or borough (Alaska) in which the site is located.

#II-07 County Code: Enter the three character numeric FIPS county code for the county, parish, or borough in which the site is located. (The regional data analyst will furnish this data item.)

#II-08 Site Congressional District: Enter the two character number for the congressional district in which the site is located.

II-09 Coordinates: Enter the Coordinates, Latitude and Longitude, of the site in degrees, minutes, seconds and tenths of seconds. If a tenth of a second is insignificant at this site, enter "0".

II-10 Directions to Site: Starting from the nearest public road, provide narrative directions to the site.



**III. Responsible Parties**

- #III-01 Site Owner: Enter the name of the owner of the site. The site owner is the person, company, or federal, state, municipal or other public or private entity, who currently holds title to the property on which the site is located.
- #III-02 Site Owner Address: Enter the current complete business, residential, or mailing address at which the owner of the site can be reached.
- 03  
-04  
-05
- III-06 Site Owner Telephone Number: Enter the area code and local telephone number at which the owner of the site can be reached.
- #III-07 Site Operator: If different from Site Owner, enter the name of the operator at the site. The site operator is the person, company, or federal, state, municipal or other public or private entity, who currently, or most recently, is, or was, responsible for operations at the site.
- #III-08 Site Operator Address: Enter the current complete business, residential, or mailing address at which the operator of the site can be reached.
- 09  
-10  
-11
- III-12 Site Operator Telephone Number: Enter the area code and local telephone number at which the operator of the site can be reached.
- #III-13 Type of Ownership: Check the appropriate box to indicate the type of site ownership. If the site is under the jurisdiction of an activity of the federal government, enter the name of the department, agency, or activity. If Other is indicated, specify the type of ownership and name.
- III-14 Owner/Operator Notification On File: Check the appropriate box(es) to indicate that the notification required by RCRA (3001) and/or CERCLA (103c, Superfund) have been received. If received, enter the date(s) received. Check none if not received.

**IV. Characterization of Potential Hazard**

- IV-01 On Site Inspection: Check the appropriate box to indicate that the site has been inspected or visited by EPA, a state or local official, or a contractor representative of EPA or a state or local government. Enter the date of the inspection. Check the appropriate box(es) to indicate who visited the site or performed the inspection. If the site visit was performed by a contractor, enter the name of the company.
- \*IV-02 Site Status: Check the appropriate box(es) to indicate the current status of the site. Active sites are those which treat, store, or dispose of wastes. Check Active for those active sites with an inactive storage or disposal area. Inactive sites are those at which treatment, storage, or disposal activities no longer occur.
- IV-03 Years of Operation: Enter the beginning and ending years (or beginning only if operations at the site are on-going), e.g., 1878/1932, of waste treatment, storage, and/or disposal activities at the site. Check Unknown if the years of operation are not known.
- IV-04 Description of Substances Possibly Present, Known, or Alleged: Provide a narrative description of

hazardous, potentially hazardous, or other substances present, or claimed to be present, at the site.

- IV-05 Description of Potential Hazard to Environment and/or Population: Provide a narrative description of the potential hazard the site poses to the environment and to exposed population or wildlife. If no hazard, or potential hazard, exists, provide the basis for that determination.

**V. Priority Assessment**

- \*V-01 Priority for Inspection: Check the appropriate box to indicate the priority for further action or inspection. If no further action is required, complete the Potential Hazardous Waste Site, Current Disposition form. The Priority for Inspection assessed must be supported by appropriate data in Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents of this form. If no hazardous conditions exist, Part 3 is not required.

**VI. Information Available From**

- VI-01 Contact: Enter the name of the individual who can provide information about the site.
- VI-02 Of: If appropriate, enter the name of the Public or private agency, firm, or company and the organization within the agency, firm, or company of the individual named as Contact.
- VI-03 Telephone Number: Enter the area code and local telephone number of the individual named as contact.
- VI-04 Person Responsible for Assessment: Enter the name of the individual who made the site assessment and assigned the priority rating to the site. The person responsible for the assessment may be different from the individual who prepared the form.
- VI-05 Agency: Enter the name of the Agency where the individual who made the assessment is employed.
- VI-06 Organization: Enter the name of the organization within the Agency.
- VI-07 Telephone Number: Enter the area code and local telephone number of the individual who made the assessment.
- VI-08 Date: Enter the date the assessment was made.

**Part 2 Waste Information**

- \*I. Identification: Refer to Part 1-1.
- II. Waste States, Quantities, and Characteristics: Waste States, Quantities, and Characteristics provide information about the physical structure and form of the waste, measures of gross amounts at the site, and the hazards posed by the waste, considering acute and chronic health effects and mobility along a pathway.
- \*II-01 Physical States: Check the appropriate box(es) to indicate the state(s) of waste present, or thought to be present, at the site. If Other is indicated, specify the physical state of the waste.
- \*II-02 Waste Quantity at Site: Enter estimates of amounts of waste at the site. Estimates may be in weight (Tons) or volume (Cubic Yards or Number of Drums). Use as many entries as are appropriate; however, measurements must be independent. For

- example, do not measure the same amounts of waste as both tons and cubic yards.
- \*II-03 Waste Characteristics: Check all appropriate entries to indicate the hazards posed by waste at the site. If waste at the site poses no hazard, check Not Applicable.
- III. Waste Category: General categories of waste typically found are listed here. Enter the estimated gross amount of the category of waste next to the appropriate substance name and enter the unit of measure used with the estimate.
- \*III-01 Gross Amount: Gross Amount is the estimate of the amount of the waste category found at the site. Estimates should be furnished in metric tons (MT), tons (TN), cubic meters (CM), cubic yards (CY), drums (DR), acres (AC), acre feet (AF), liters (LT), or gallons (GA). Enter the estimated amount next to the appropriate waste category.
- \*III-02 Unit of Measure: Enter the appropriate unit of measure: MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (number of drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons), next to the estimate of gross amount.
- III-03 Comments: Comments may be used to further explain, or provide additional information, about particular waste categories.
- IV. Hazardous Substances: Specific hazardous, or potentially hazardous, chemicals, mixtures, and substances found at the site are listed here. This information may not be available at the Preliminary Assessment stage. Substances for which information is available are to be listed here. For each substance listed those data items marked with an "at" sign (@) must be included.
- @IV-01 Category: Enter in front of the substance name the three character waste category from Section III which best describes the substance, e.g., OLW (Oily Waste).
- @IV-02 Substance Name: Enter one of the following: the name of the substance registered with the Chemical Abstract Service, the common or accepted abbreviation of the substance, the generic name of the substance, or commercial name of the substance.
- @IV-03 CAS Number. Enter the number assigned to the substance when it was registered with the Chemical Abstract Service. Refer to the Appendix for most frequently cited CAS Numbers. CAS Numbers must be furnished for each substance listed. If a CAS Number for this substance has not been assigned, enter "999".
- @IV-04 Storage/Disposal Method: Enter the type of storage or disposal facility in which the substance was found: SI (surface impoundment, including pits, ponds, and lagoons), PL (pile), DR (drum), TK (tank), LF (landfill), LM (landfarm), OD (open dump).
- IV-05 Concentration: Enter the concentration of the substance found in samples taken at the site.
- IV-06 Measure of Concentration: Enter the appropriate unit of measure for the measured concentration of the substance found in the sample, e.g., MG/L, UG/L.
- V. Feedstocks
- V-01 Feedstock Name: If feedstocks, or substances derived from one or more feedstocks, are present at the site, enter the name of each feedstock found. See the Appendix for the feedstock list.
- V-02 CAS Number: Enter the CAS Number for each feedstock named. See the Appendix for feedstock CAS Numbers.
- VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.
- Part 3 Description of Hazardous Conditions and Incidents
- \*I. Identification: Refer to Part 1-1.
- II. Hazardous Conditions and Incidents:
- II-01 Hazards: Indicate each hazardous, or potentially hazardous, condition known, or claimed, to exist at the site.
- II-02 Observed, Potential, or Alleged: Check Observed and enter the date, or approximate date, of occurrence if a release of contaminants to the environment, or some other hazardous incident, is known to have occurred. In cases of a continuing release, e.g., groundwater contamination, enter the date, or approximate date, the condition first became apparent. If conditions exist for a potential release, check potential. Check Alleged for hazardous, or potentially hazardous, conditions claimed to exist at the site.
- II-03 Population Potentially Affected: For each hazardous condition at the site, enter the number of people potentially affected. For Soil enter the number of acres potentially affected.
- II-04 Narrative Description: Provide a narrative description, or explanation, of each condition. Include any additional information which further explains the condition.
- II-05 Description of Any Other Known, Potential, or Alleged Hazards: Provide a narrative description of any other hazardous, or potentially hazardous, conditions at the site not covered above.
- III. Total Population Potentially Affected: Enter the total number of people potentially affected by the existence of hazardous, or potentially hazardous, conditions at the site. Do not sum the numbers shown for each condition.
- IV. Comments: Other information relevant to observed, potential, or alleged hazards may be entered here.
- V. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

**APPENDIX**

**I. FEEDSTOCKS**

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
1. 7664-41-7	Ammonia	14. 1317-38-0	Cupric Oxide	27. 7778-50-9	Potassium Dichromate
2. 7440-36-0	Antimony	15. 7758-98-7	Cupric Sulfate	28. 1310-58-3	Potassium Hydroxide
3. 1309-64-4	Antimony Trioxide	16. 1317-39-1	Cuprous Oxide	29. 115-07-1	Propylene
4. 7440-38-2	Arsenic	17. 74-85-1	Ethylene	30. 10588-01-9	Sodium Dichromate
5. 1327-53-3	Arsenic Trioxide	18. 7647-01-0	Hydrochloric Acid	31. 1310-73-2	Sodium Hydroxide
6. 21109-95-5	Barium Sulfide	19. 7664-39-3	Hydrogen Fluoride	32. 7646-78-8	Stannic Chloride
7. 7726-95-6	Bromine	20. 1335-25-7	Lead Oxide	33. 7772-99-8	Stannous Chloride
8. 106-99-0	Butadiene	21. 7439-97-6	Mercury	34. 7664-93-9	Sulfuric Acid
9. 7440-43-9	Cadmium	22. 74-82-8	Methane	35. 108-88-3	Toluene
10. 7782-50-5	Chlorine	23. 91-20-3	Napthalene	36. 1330-20-7	Xylene
11. 12737-27-8	Chromite	24. 7440-02-0	Nickel	37. 7646-85-7	Zinc Chloride
12. 7440-47-3	Chromium	25. 7697-37-2	Nitric Acid	38. 7733-02-0	Zinc Sulfate
13. 7440-48-4	Cobalt	26. 7723-14-0	Phosphorus		

**II. HAZARDOUS SUBSTANCES**

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
1. 75-07-0	Acetaldehyde	47. 1303-33-9	Arsenic Trisulfide	92. 142-71-2	Cupric Acetate
2. 64-19-7	Acetic Acid	48. 542-62-1	Barium Cyanide	93. 12002-03-8	Cupric Acetoarsenite
3. 108-24-7	Acetic Anhydride	49. 71-43-2	Benzene	94. 7447-39-4	Cupric Chloride
4. 75-86-5	Acetone Cyanohydrin	50. 65-85-0	Benzoic Acid	95. 3251-23-8	Cupric Nitrate
5. 506-96-7	Acetyl Bromide	51. 100-47-0	Benzonitrile	96. 5893-66-3	Cupric Oxalate
6. 75-36-5	Acetyl Chloride	52. 98-88-4	Benzoyl Chloride	97. 7758-98-7	Cupric Sulfate
7. 107-02-8	Acrolein	53. 100-44-7	Benzyl Chloride	98. 10380-29-7	Cupric Sulfate Ammoniated
8. 107-13-1	Acrylonitrile	54. 7440-41-7	Beryllium	99. 815-82-7	Cupric Tartrate
9. 124-04-9	Adipic Acid	55. 7787-47-5	Beryllium Chloride	100. 506-77-4	Cyanogen Chloride
10. 309-00-2	Aldrin	56. 7787-49-7	Beryllium Fluoride	101. 110-82-7	Cyclohexane
11. 10043-01-3	Aluminum Sulfate	57. 13597-99-4	Beryllium Nitrate	102. 94-75-7	2,4-D Acid
12. 107-18-6	Allyl Alcohol	58. 123-86-4	Butyl Acetate	103. 94-11-1	2,4-D Esters
13. 107-05-1	Allyl Chloride	59. 84-74-2	n-Butyl Phthalate	104. 50-29-3	DDT
14. 7664-41-7	Ammonia	60. 109-73-9	Butylamine	105. 333-41-5	Diazinon
15. 631-61-8	Ammonium Acetate	61. 107-92-6	Butyric Acid	106. 1918-00-9	Dicamba
16. 1863-63-4	Ammonium Benzoate	62. 543-90-8	Cadmium Acetate	107. 1194-65-6	Dichlobenil
17. 1066-33-7	Ammonium Bicarbonate	63. 7789-42-6	Cadmium Bromide	108. 117-80-6	Dichlone
18. 7789-09-5	Ammonium Bichromate	64. 10108-64-2	Cadmium Chloride	109. 25321-22-6	Dichlorobenzene (all isomers)
19. 1341-49-7	Ammonium Bifluoride	65. 7778-44-1	Calcium Arsenate	110. 266-38-19-7	Dichloropropane (all isomers)
20. 10192-30-0	Ammonium Bisulfite	66. 52740-16-6	Calcium Arsenite	111. 26952-23-8	Dichloropropene (all isomers)
21. 1111-78-0	Ammonium Carbamate	67. 75-20-7	Calcium Carbide	112. 8003-19-8	Dichloropropene-Dichloropropane Mixture
22. 12125-02-9	Ammonium Chloride	68. 13765-19-0	Calcium Chromate		
23. 7788-98-9	Ammonium Chromate	69. 592-01-8	Calcium Cyanide	113. 75-99-0	2,2-Dichloropropionic Acid
24. 3012-65-5	Ammonium Citrate, Dibasic	70. 26264-06-2	Calcium Dodecylbenzene Sulfonate	114. 62-73-7	Dichlorvos
25. 13826-83-0	Ammonium Fluoborate			115. 60-57-1	Dieldrin
26. 12125-01-8	Ammonium Fluoride	71. 7778-54-3	Calcium Hypochlorite	116. 109-89-7	Diethylamine
27. 1336-21-6	Ammonium Hydroxide	72. 133-06-2	Captan	117. 124-40-3	Dimethylamine
28. 6009-70-7	Ammonium Oxalate	73. 63-25-2	Carbaryl	118. 25154-54-5	Dinitrobenzene (all isomers)
29. 16919-19-0	Ammonium Silicofluoride	74. 1563-66-2	Carbofuran	119. 51-28-5	Dinitrophenol
30. 7773-06-0	Ammonium Sulfamate	75. 75-15-0	Carbon Disulfide	120. 25321-14-6	Dinitrotoluene (all isomers)
31. 12135-76-1	Ammonium Sulfide	76. 56-23-5	Carbon Tetrachloride	121. 85-00-7	Diquat
32. 10196-04-0	Ammonium Sulfite	77. 57-74-9	Chlordane	122. 298-04-4	Disulfoton
33. 14307-43-8	Ammonium Tartrate	78. 7782-50-5	Chlorine	123. 330-54-1	Diuron
34. 1762-95-4	Ammonium Thiocyanate	79. 108-90-7	Chlorobenzene	124. 27176-87-0	Dodecylbenzenesulfonic Acid
35. 7783-18-8	Ammonium Thiosulfate	80. 67-66-3	Chloroform	125. 115-29-7	Endosulfan (all isomers)
36. 628-63-7	Amyl Acetate	81. 7790-94-5	Chlorosulfonic Acid	126. 72-20-8	Endrin and Metabolites
37. 62-53-3	Aniline	82. 2921-88-2	Chlorpyrifos	127. 106-89-8	Epichlorohydrin
38. 7647-18-9	Antimony Pentachloride	83. 1066-30-4	Chromic Acetate	128. 563-12-2	Ethion
39. 7789-61-9	Antimony Tribromide	84. 7738-94-5	Chromic Acid	129. 100-41-4	Ethyl Benzene
40. 10025-91-9	Antimony Trichloride	85. 10101-53-8	Chromic Sulfate	130. 107-15-3	Ethylenediamine
41. 7783-56-4	Antimony Trifluoride	86. 10049-05-5	Chromous Chloride	131. 106-93-4	Ethylene Dibromide
42. 1309-64-4	Antimony Trioxide	87. 544-18-3	Cobaltous Formate	132. 107-06-2	Ethylene Dichloride
43. 1303-32-8	Arsenic Disulfide	88. 14017-41-5	Cobaltous Sulfamate	133. 60-00-4	EDTA
44. 1303-28-2	Arsenic Pentoxide	89. 56-72-4	Coumaphos	134. 1185-57-5	Ferric Ammonium Citrate
45. 7784-34-1	Arsenic Trichloride	90. 1319-77-3	Cresol	135. 2944-67-4	Ferric Ammonium Oxalate
46. 1327-53-3	Arsenic Trioxide	91. 4170-30-3	Crotonaldehyde	136. 7705-08-0	Ferric Chloride

## II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name	CAS Number	Chemical Name	CAS Number	Chemical Name
137. 7783-50-8	Ferric Fluoride	192. 74-89-5	Monomethylamine	249. 7632-00-0	Sodium Nitrate
138. 10421-48-4	Ferric Nitrate	193. 300-76-5	Naled	250. 7558-79-4	Sodium Phosphate, Dibasic
139. 10028-22-5	Ferric Sulfate	194. 91-20-3	Naphthalene	251. 7601-54-9	Sodium Phosphate, Tribasic
140. 10045-89-3	Ferrous Ammonium Sulfate	195. 1338-24-5	Naphthenic Acid	252. 10102-18-8	Sodium Selenite
141. 7758-94-3	Ferrous Chloride	196. 7440-02-0	Nickel	253. 7789-06-2	Strontium Chromate
142. 7720-78-7	Ferrous Sulfate	197. 15699-18-0	Nickel Ammonium Sulfate	254. 57-24-9	Strychnine and Salts
143. 206-44-0	Fluoranthene	198. 37211-05-5	Nickel Chloride	255. 100-420-5	Styrene
144. 50-00-0	Formaldehyde	199. 12054-48-7	Nickel Hydroxide	256. 12771-08-3	Sulfur Monochloride
145. 64-18-6	Formic Acid	200. 14216-75-2	Nickel Nitrate	257. 7664-93-9	Sulfuric Acid
146. 110-17-8	Fumaric Acid	201. 7786-81-4	Nickel Sulfate	258. 93-76-5	2,4,5-T Acid
147. 98-01-1	Furfural	202. 7697-37-2	Nitric Acid	259. 2008-46-0	2,4,5-T Amines
148. 86-50-0	Guthion	203. 98-95-3	Nitrobenzene	260. 93-79-8	2,4,5-T Esters
149. 76-44-8	Heptachlor	204. 10102-44-0	Nitrogen Dioxide	261. 13560-99-1	2,4,5-T Salts
150. 118-74-1	Hexachlorobenzene	205. 25154-55-6	Nitrophenol (all isomers)	262. 93-72-1	2,4,5-TP Acid
151. 87-68-3	Hexachlorobutadiene	206. 1321-12-6	Nitrotoluene	263. 32534-95-5	2,4,5-TP Acid Esters
152. 67-72-1	Hexachloroethane	207. 30525-89-4	Paraformaldehyde	264. 72-54-8	TDE
153. 70-30-4	Hexachlorophene	208. 56-38-2	Parathion	265. 95-94-3	Tetrachlorobenzene
154. 77-47-4	Hexachlorocyclopentadiene	209. 608-93-5	Pentachlorobenzene	266. 127-18-4	Tetrachloroethane
155. 7647-01-0	Hydrochloric Acid (Hydrogen Chloride)	210. 87-86-5	Pentachlorophenol	267. 78-00-2	Tetraethyl Lead
156. 7664-39-3	Hydrofluoric Acid (Hydrogen Fluoride)	211. 85-01-8	Phenanthrene	268. 107-49-3	Tetraethyl Pyrophosphate
157. 74-90-8	Hydrogen Cyanide	212. 108-95-2	Phenol	269. 7446-18-6	Thallium (I) Sulfate
158. 7783-06-4	Hydrogen Sulfide	213. 75-44-5	Phosgene	270. 108-88-3	Toluene
159. 78-79-5	Isoprene	214. 7664-38-2	Phosphoric Acid	271. 8001-35-2	Toxaphene
160. 42504-46-1	Isopropanolamine Dodecylbenzenesulfonate	215. 7723-14-0	Phosphorus	272. 12002-48-1	Trichlorobenzene (all isomers)
161. 115-32-2	Kelthane	216. 10025-87-3	Phosphorus Oxychloride	273. 52-68-6	Trichlorfon
162. 143-50-0	Kepone	217. 1314-80-3	Phosphorus Pentasulfide	274. 25323-89-1	Trichloroethane (all isomers)
163. 301-04-2	Lead Acetate	218. 7719-12-2	Phosphorus Trichloride	275. 79-01-6	Trichloroethylene
164. 3687-31-8	Lead Arsenate	219. 7784-41-0	Potassium Arsenate	276. 25167-82-2	Trichlorophenol (all isomers)
165. 7758-95-4	Lead Chloride	220. 10124-50-2	Potassium Arsenite	277. 27323-41-7	Triethanolamine Dodecylbenzenesulfonate
166. 13814-96-5	Lead Fluoborate	221. 7778-50-9	Potassium Bichromate	278. 121-44-8	Triethylamine
167. 7783-46-2	Lead Fluoride	222. 7789-00-6	Potassium Chromate	279. 75-50-3	Trimethylamine
168. 10101-63-0	Lead Iodide	223. 7722-64-7	Potassium Permanganate	280. 541-09-3	Uranyl Acetate
169. 18256-98-9	Lead Nitrate	224. 2312-35-8	Propargite	281. 10102-06-4	Uranyl Nitrate
170. 7428-48-0	Lead Stearate	225. 79-09-4	Propionic Acid	282. 1314-62-1	Vanadium Pentoxide
171. 15739-80-7	Lead Sulfate	226. 123-62-6	Propionic Anhydride	283. 27774-13-6	Vanadyl Sulfate
172. 1314-67-0	Lead Sulfide	227. 1336-36-3	Polychlorinated Biphenyls	284. 108-05-4	Vinyl Acetate
173. 592-87-0	Lead Thiocyanate	228. 151-50-8	Potassium Cyanide	285. 75-35-4	Vinylidene Chloride
174. 58-89-9	Lindane	229. 1310-58-3	Potassium Hydroxide	286. 1300-71-6	Xylenol
175. 14307-35-8	Lithium Chromate	230. 75-56-9	Propylene Oxide	287. 557-34-6	Zinc Acetate
176. 121-75-5	Malithion	231. 121-29-9	Pyrethrins	288. 52628-25-8	Zinc Ammonium Chloride
177. 110-16-7	Maleic Acid	232. 91-22-5	Quinoline	289. 1332-07-6	Zinc Borate
178. 108-31-6	Maleic Anhydride	233. 108-46-3	Resorcinol	290. 7699-45-8	Zinc Bromide
179. 2032-65-7	Mercaptodimethur	234. 7446-08-4	Selenium Oxide	291. 3486-35-9	Zinc Carbonate
180. 592-04-1	Mercuric Cyanide	235. 7761-88-8	Silver Nitrate	292. 7646-85-7	Zinc Chloride
181. 10045-94-0	Mercuric Nitrate	236. 7631-89-2	Sodium Arsenate	293. 557-21-1	Zinc Cyanide
182. 7783-35-9	Mercuric Sulfate	237. 7784-46-5	Sodium Arsenite	294. 7783-49-3	Zinc Fluoride
183. 592-85-8	Mercuric Thiocyanate	238. 10588-01-9	Sodium Bichromate	295. 557-41-5	Zinc Formate
184. 10415-75-5	Mercurous Nitrate	239. 1333-83-1	Sodium Bisulfite	296. 7779-86-4	Zinc Hydrosulfite
185. 72-43-5	Methoxychlor	240. 7631-90-5	Sodium Chromate	297. 7779-88-6	Zinc Nitrate
186. 74-93-1	Methyl Mercaptan	241. 7775-11-3	Sodium Cyanide	298. 127-82-2	Zinc Phenolsulfonate
187. 80-62-6	Methyl Methacrylate	242. 143-33-9	Sodium Dodecylbenzene Sulfonate	299. 1314-84-7	Zinc Phosphide
188. 298-00-0	Methyl Parathion	243. 25155-30-0	Sodium Fluoride	300. 16871-71-9	Zinc Silicofluoride
189. 7786-34-7	Mevinphos	244. 7681-49-4	Sodium Hydrosulfide	301. 7733-02-0	Zinc Sulfate
190. 315-18-4	Mexacarbate	245. 16721-80-5	Sodium Hydroxide	302. 13746-89-9	Zirconium Nitrate
191. 75-04-7	Monoethylamine	246. 1310-73-2	Sodium Hypochlorite	303. 16923-95-8	Zirconium Potassium Fluoride
		247. 7681-52-9	Sodium Methylate	304. 14644-61-2	Zirconium Sulfate
		248. 124-41-4		305. 10026-11-6	Zirconium Tetrachloride

## Preliminary Assessment Narrative

Site Name: Westfield Equipment Company

Site Location: SE¼, NE¼, Section 11, T16N, R8E, Marquette County

Site Geology and Hydrogeology: Glacial deposits in the western portion of the village consist largely of unconsolidated sands and gravels. At the equipment plant these materials are 107 feet thick and overlie cambrian age sandstone. To the east these sands and gravels are overlain by glacial lake deposits. These materials are silts and clays and increase in depth from near 0 feet at the intersection of Bob O'Link and West Fourth Streets to approximately 90 feet thick at the millpond. Based on available regional and local data these clay materials continue east for some distance. At the mill pond the sequence of materials is approximately 90 of clay and silt overlying sand and gravel which overlie cambrian sandstone at some unknown depth.

The sand and gravels are the dominant materials in the western portion of the study area and are the major aquifer in this area. Water table conditions exist in the sand and gravel around the equipment plant and depth to water is approximately 45 feet. To the east the sand and gravel is confined by the clay and potentiometric conditions in the sand control the majority of groundwater movement through the village. Water table conditions exist in the clay and some limited groundwater discharge likely occurs to the mill pond from the saturated clays. The vast majority of groundwater appears to travel east through the sand and gravels from the west side of the village, beneath the mill pond and through the east side of the village.

The sand and gravel aquifer is likely hydraulically connected to the underlying sandstone aquifer and it appears that groundwater may move from the sandstone to the sand and gravel. Groundwater moving through the sand and gravels beneath the mill pond is under considerable pressure and flowing wells are common in the village.

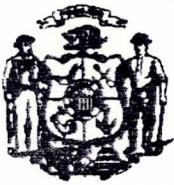
Physical Conditions of the Site - Westfield Equipment Company produces hydraulic components for cab over engine trucks and other types of cylinders and valves. The company has operated at its current location since 1971 and during part of that time made extensive use of solvents in its assembly process. Organic solvents, particularly 1,1,1-trichloroethane, were used for parts cleaning and paint stripping at the plant. Through on-site soil investigation and DNR interviews it has been confirmed that on-site spillage and intentional dumping of used solvents was a common practice at the plant. Routine waste mishandling is the source of both groundwater and soils contamination in the village. The contaminated plume of groundwater extends from the plant to at least 4500 feet east to Charles Street on the far east side of the village.

Other potential sources of groundwater contamination have been investigated and have been shown not to be sources of the problem.

Site Status: The equipment plant is operating at this time and a contractor has been hired, by the equipment company, to determine the extent of contamination and to develop remedial action plans.

Negotiation Status: Negotiations at this time are continuing to on both groundwater and soil cleanup and the need for a permanent water supply solution.

Date Prepared: September 22, 1989



State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny

Secretary

Box 7921

Madison, Wisconsin 53707

October 24, 1989

IN REPLY REFER TO: 4440

G. G. Waters  
Preremedial Superfund Unit  
US EPA Region V 5HR-12  
230 South Dearborn Street  
Chicago, IL 60604

SUBJECT: Westfield Equipment Company

Dear Ms. Waters:

This letter is to confirm that the Westfield Equipment Company is indeed a hazardous waste generator and has been given an EPA number of WID098549456. We note that it is appropriate to conduct Preremedial Superfund activities on hazardous waste generators, as the RCRA corrective action procedures do not apply to generators. Therefore, we will be submitting the Preliminary Assessment for the site and pursuing Superfund activities at this site.

I hope this information is helpful to you.

Sincerely,

*Robin R Schmidt*

Robin Schmidt  
Environmental Response and Repair Section

Noted: *Suzanne Bangert* *10-25-89*  
Suzanne Bangert Date

RECORDED

OCT 30 1989

NO OTHER COPIES.

cc Mike Schmoller - SOD  
Ed Lynch - HW/3