

U. S. ENVIRONMENTAL PROTECTION AGENCY

REGION VII

POTENTIAL HAZARDOUS WASTE SITE

IDENTIFICATION AND PRELIMINARY ASSESSMENT

This form is completed for each potential hazardous waste site to help set priorities for site inspections. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

SITE IDENTIFICATION

Site number 000000050  
(to be assigned by Headquarters)

Site Name Walden Springs Chemical Plant (Purdum, La)

Street (or other identifier) Mo. 94 2 miles S. of U.S. 40

City, State, Zip \_\_\_\_\_

County Name St. Charles County, Missouri

Owner/Operator (if known) \_\_\_\_\_ Telephone \_\_\_\_\_  
 Federal  State  County  
 Municipal  Private  Unknown

Site Description Former DDT-DDE plant & former Fuel Materials Product Plant.

How Identified (i.e. Citizen's complaints, OSHA Citations, etc.) \_\_\_\_\_ Date Identified Jan. 1965

Principal State Contact Robert Robinson Telephone 314-751-2541

Fill in pages 2-5 of this form as completely as possible. Then indicate the preliminary assessment in the boxes below:

PRELIMINARY ASSESSMENT

- Apparent Seriousness of Problem  High  Medium  Low  None  Unk.
- No action needed - no-hazard-
- Immediate site inspection needed Tentatively Scheduled for \_\_\_\_\_  
Will be performed by \_\_\_\_\_
- Site inspection needed Tentatively Scheduled for \_\_\_\_\_  
Will be performed by \_\_\_\_\_
- Site inspection needed - low priority

File this form in the Regional Hazardous Waste-Log File and submit a copy to:

Site Tracking System,  
Hazardous Waste Enforcement Task Force  
U. S. Environmental Protection Agency  
401 M Street SW (EN335)  
Washington, D. C. 20460

Prepared by Richard K. ...  
Telephone F.T.S. 758-2207  
Date Jan 1 1979



WASTE RELATED INFORMATION

WASTE TYPE:

UNKNOWN     LIQUID     SOLID     SLUDGE     GAS

WASTE CHARACTERISTICS:

UNKNOWN     CORROSIVE     IGNITABLE     RADIOACTIVE     HIGHLY V  
 TOXIC     REACTIVE     INERT     FLAMMABLE  
 OTHER SPECIFY \_\_\_\_\_

WASTE CATEGORIES:

Are records of wastes available? Specify items such as manifests, inventories, etc:

Partial. Stored at DOE Technical Services (Oak Ridge Reservation)  
and on-site.

Estimated amount of waste by category:

SLUDGE	OIL less than 1000 gallons	SOLVENTS	CHEMICALS	SOLIDS	OTHER
amt & unit	amt & unit	amt & unit	amt & unit	amt & unit (cubic feet)	amt & unit gallons
<input type="checkbox"/> Paint, Pigments	<input checked="" type="checkbox"/> Oily Wastes	<input type="checkbox"/> Halogenated Solvents	<input type="checkbox"/> Acids	<input type="checkbox"/> Flyash	<input type="checkbox"/> Lab, Pharma
<input checked="" type="checkbox"/> Metals Sludges	<input type="checkbox"/> Other Hexane contaminated with Uranium	<input type="checkbox"/> Non-halogenated Solvents	<input type="checkbox"/> Pickling Liquors	<input type="checkbox"/> Asbestos	<input type="checkbox"/> Hospitals
<input type="checkbox"/> POTW		<input type="checkbox"/> Other	<input type="checkbox"/> Caustics	<input type="checkbox"/> Milling	<input type="checkbox"/> Radioactive
<input type="checkbox"/> Alum Sldg			<input type="checkbox"/> Pesticides	<input type="checkbox"/> Mine Tailings	<input type="checkbox"/> Municipal
<input type="checkbox"/> Other			<input type="checkbox"/> Dyes/Inks	<input type="checkbox"/> Ferrous	<input type="checkbox"/> Other
			<input type="checkbox"/> Cyanides	<input type="checkbox"/> Non-ferr	Specify
			<input type="checkbox"/> Phenols	<input checked="" type="checkbox"/> Other	<u>Radium</u>
			<input type="checkbox"/> Halogens	<u>Raffinates</u>	<u>contaminated water</u>
			<input type="checkbox"/> PCB		
			<input type="checkbox"/> Metal Solvents		
			<input checked="" type="checkbox"/> Other		
			<u>Uranium oxides &amp; sludges in buildings</u>		

LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE: (Place in descending order of)

- Raffinate Pits
- Uranium
- Uranium
- TNT/DNT
- Uranium and Decay Products
- Thorium
- Water contaminated with Radium

## WASTE RELATED INFORMATION (continued)

Additional comments or narrative description of situation known or reported to exist at the site

Armament. Command U.S. Army, Fort Belvoir, Arsenal ordered  
by NRC to produce Decontamination and Remediation Plan for  
Buildings by Nov. 15 1979. DOE plans to seek NPDES permit to  
discharge 15,000,000 gallons 10ppm water from Radium Pits into Missouri Riv.

## HAZARD DESCRIPTION

HAZARD DESCRIPTION	POTENTIAL	ALLEGED	DATE	REMARKS
	HAZARD	INCIDENT	OF INCIDENT	
	Check Off	Check Off	month/day/yr	
No hazard	<input type="checkbox"/>			
Human Health	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Non-worker Injury/Exposure	<input type="checkbox"/>	<input type="checkbox"/>		
Worker Injury	<input type="checkbox"/>	<input type="checkbox"/>		
Contamination of Water Supply	<input type="checkbox"/>	<input type="checkbox"/>		
Contamination of Food Chain	<input type="checkbox"/>	<input type="checkbox"/>		
Contamination of Ground Water	<input type="checkbox"/>	<input type="checkbox"/>		
Contamination of Surface Water	<input type="checkbox"/>	<input type="checkbox"/>		
Damage to Flora/Fauna	<input type="checkbox"/>	<input type="checkbox"/>		
Fish Kill	<input type="checkbox"/>	<input type="checkbox"/>		
Contamination of Air	<input type="checkbox"/>	<input type="checkbox"/>		
Noticeable Odors	<input type="checkbox"/>	<input type="checkbox"/>		
Contamination of Soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Property Damage	<input type="checkbox"/>	<input type="checkbox"/>		
Fire or Explosion	<input type="checkbox"/>	<input type="checkbox"/>		
Spills/Leaking Containers/Runoff/ (Standing Liquids)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		20 million gallons Radium Contaminated water in Radium Pits.
Sewer, Storm Drain Problems	<input type="checkbox"/>	<input type="checkbox"/>		
Erosion Problems	<input type="checkbox"/>	<input type="checkbox"/>		
Inadequate Security	<input type="checkbox"/>	<input type="checkbox"/>		
Incompatible Wastes	<input type="checkbox"/>	<input type="checkbox"/>		
Midnight Dumping	<input type="checkbox"/>	<input type="checkbox"/>		
Other - Specify _____	<input type="checkbox"/>	<input type="checkbox"/>		

ACTIONS TAKEN OR PLANNED

PERMIT INFORMATION

List all Applicable Permits held by the site:

NPDES Permit                       SPCC Plan                       State Permit - Specify \_\_\_\_\_  
 Air Permits                               Local Permit                       RCRA Transporter  
 RCRA Storer                               RCRA Treator                       RCRA Disposer  
 Other - Specify NRC permit SMB 1314, 1977 to U.S. Army  
 In Compliance  Yes  No  Unknown with respect to \_\_\_\_\_  
Regulation Name/Number

PAST REGULATORY ACTIONS

None  
 Yes If yes, summarize: NRC amended permit in May 1979 to require Building Decontamination & Decommission Plan by Nov. 15 1979

INSPECTION ACTIVITY (Past or on-going)

Date of Past Action	Performed by (EPA/State)	Describe:
<input type="checkbox"/> None		
<input checked="" type="checkbox"/> Yes - Specify:		
<u>Nov. 1975</u>	<u>ERDA</u>	<u>Aerial Radiological Survey</u>
<u>March 1976</u>	<u>Army</u>	<u>Assessment of Wellton Spring Chemical Plant</u>
<u>1975</u>	<u>ERDA</u>	<u>Wellton Spring Decommissioning Study</u>

REMEDIAL ACTIVITY (Past or on-going)

None  
 Yes - Specify:

<u>Nov. 15 1979</u>	<u>planned</u>	<u>D&amp;D plan for Buildings by Army</u>
		<u>sale of R. f. waste for reprocessing, by DOE</u>

Based on the information on pages 2 through 5, fill out the Preliminary Assessment information on the first page of this form.