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 Weldon Springs Chemical Plant (Building [illegible])

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

City, State, Zip

County Name St. Charles County, Mo.

Owner/Operator (if known) Kansas City Engineering District, U.S. Army Corps of Engineers and Technical Services Div., Department of Energy

Telephone

/X/ Federal /__/ State /__/ County
/__/ Municipal /__/ Private /__/ Unknown

FTS 626-[illegible]

Site Description Former DNT-TNT plant; Former Uranium Feed Materials Product Plant.

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

Decontamination and Decommission Operations Jan. 1968

Principal State Contact Robert Robinson Telephone 314-751-3241

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 /X/ Low /__/ None /__/ Un

/X/ 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 Kaufman

Telephone FTS. 758 [illegible]

Date [illegible] 1979

Form 1-GPS Revised 10/16/79

DOCUMENT NU

SITE INFORMATION

/_/ ACTIVE — Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.

/X/ INACTIVE — Those sites which no longer receive wastes.

/_/ OTHER — Specify: _____
Those sites resulting from incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.

GENERATOR ON SITE No /X/ Yes /_/ If yes, specify generator's SIC Code /_/_/_/_/

Area of Site 219 Acres

If apparent seriousness of site is high, specify coordinates
Latitude /3/8/ /3/0/ /_/_/ (deg min sec) Longitude /9/0/_/ /3/7/ (deg min)

Are there buildings on the site No /_/ Yes /X/ If yes, specify 8 major 36 minor

CHARACTERIZATION OF SITE ACTIVITY

Check off the appropriate activities below:

/_/ TRANSPORTER	/X/ STORER	/_/ TREATOR	/X/ DISPOSER
/_/ Rail	/_/ Pile	/_/ Filtration	/_/ Landfill
/_/ Ship	/X/ Surface Impoundment	/_/ Incineration	/_/ Landfarm
/_/ Barge	/_/ Drums	/_/ Volume Reduct	/X/ Open Dump
/_/ Truck	/X/ Tank, Above Ground	/_/ Recycling/ Recovery	/_/ Surface Impoundment
/_/ Pipeline	/_/ Tank, Below Ground	/_/ Chem/Phys Treatment	/_/ Midnight Dumping
/_/ Other _____	/X/ Other Contaminated Buildings and Equipment	/_/ Biological Treatment	/_/ Incineration
		/_/ Waste Oil Reprocessing	/_/ Underground Injection
		/_/ Solvent Recovery	
		/_/ Other	/_/ Other

Specify details of site activities as needed:

_____
_____
_____
_____
_____
_____

WASTE RELATED INFORMATION

WASTE TYPE:

/__/ UNKNOWN /X/ LIQUID /X/ SOLID /__/ SLUDGE /__/ GAS

WASTE CHARACTERISTICS:

/__/ UNKNOWN /__/ CORROSIVE /__/ IGNITABLE /X/ RADIOACTIVE /__/ HIGHLY V

/X/ TOXIC /__/ REACTIVE /__/ INERT /X/ FLAMMABL

/__/ OTHER SPECIFY_____

WASTE CATEGORIES:

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

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

Estimated amount of waste by category:

SLUDGE	OIL	SOLVENTS	CHEMICALS	SOLIDS	OTHER
_____ amt & unit	less than 1000 gallons amt & unit	_____ amt & unit	unknown amt & unit	6 million amt & unit (cubic feet	20 million amt & unit gallons
/__/ Paint, Pigments	/X/ Oily Wastes	/__/ Halogenated Solvents	/__/ Acids	/__/ Flyash	/__/ Lab,Pha
/__/ Metals Sludges	/__/ Other Hexane Contaminated with Uranium	/__/ Non-halogntd Solvents	/__/ Pickling Liquors	/__/ Asbestos	/__/ Hospita
/__/ POTW		/__/ Other _____	/__/ Caustics	/__/ Milling	/__/ Radioac
/__/ Alum Sldg			/__/ Pesticides	/__/ Mine Tailngs	/__/ Municip
/__/ Other _____			/__/ Dyes/Inks	/__/ Ferrous	/__/ Other Specify Radium Contaminated Water
			/__/ Cyanides	/__/ Non-ferr	
			/__/ Phenols	/X/ Other Raffinates	
			/__/ Halogens		
			/__/ PCB		
			/__/ Metal Solvents		
			/X/ Other Uranium oxides & fluorides in buildings		

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

Raffinate Pits

Uranium Uranium Uranium and Decay Products

TNT/DNT 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, Rock Island Arsenal ordered by NRG to produce Decontamination and Decommission Plan for Buildings by Nov. 15 1979. DOE plans to seek NPDES permit to discharge 15,000,000 gallons 10 pc/l water from Raffinate Pits into Missouri River.

HAZARD DESCRIPTION

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

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

/X/ 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

/X/ 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:
/__/ None			
/X/ Yes - Specify:			
	Nov. 1975	ERDA	Aerial Radiological Survey
	March 1976	Army	Assessment of Weldon Spring Chemical Plant
	1975	ERDA	Weldon Spring Decommissioning Study

REMEDIAL ACTIVITY (Past or on-going)

/__/ None

/X/ Yes - Specify:

	Nov. 15	1979	D&D plan for Buildings by Army
	planned		Sale of Raffinate and wastes for reprocessing, by DOE

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