U. S. ENVIRONMENTAL PROTECTION AGENCY

1.0

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

640

Site number 00000050
(to be assigned by Headquarters)

Site Name Weldon Springs Chemical Plant (Buildings, L
Ash Pond and Raffinate P

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) Kansas City Engineering District, U.S. Army Corps of Engineers and Telephone

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

Technical Services Div., Department of Energy FTS 626-01

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

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

Decontamination and Decommissioned 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 /__/

/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 Nov. 1 1979

Form 1-GPS Revised 10/16/79

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 [illegible]) 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 (cubic feet) amt & unit	20 million gallons amt & unit
/__/ 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 Tailings	/__/ 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 solutions		

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 si

Armament Command, U.S. Army, Rock Island Arsenal ordered by NRC to produce Decontamination and Decommissioning Plan for Buildings by Nov. 15, 1979. DOE plans to seek NPDES permit to discharge 15,000,000 gallons 10pc/l water from Raffinate Pits into Missouri Ri

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/Num

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 Chem 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 pit 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.