U. S. ENVIRONMENTAL PROTECTION AGENCY

REGION VII

POTENTIAL HAZARDOUS WASTE SITE

TENTATIVE DISPOSITION

SITE IDENTIFICATION

Site number _____

Site Name Weldon Springs Chemical Plant (Buildings, Land, Ash Pond and Radioactive Pits)

Street Mo. 94 2 miles S. of U.S. 40

City, State, Zip St. Charles County, Missouri

TENTATIVE DISPOSITION

	Check Off	Action Agency EPA	State	Local	Private
1) NO ACTION NEEDED - NO HAZARD	/__/				
2) INVESTIGATIVE ACTION(S) NEEDED If yes, fill in Page 2	/__/	/__/	/__/	/__/	/__/
3) REMEDIAL ACTION NEEDED If yes, fill in page 3	/X/ Army or DoE	/__/	/__/	/__/	/__/
4) ENFORCEMENT ACTION NEEDED If yes, specify whether the case will be primarily managed by the EPA or the State.	/__/	/__/	/__/		
		/__/	/__/		

Rationale for disposition: _____

Indicate the estimated date of Final Disposition: unknown

If a Case Development Plan is necessary, indicate the estimated date on which the Plan will be developed: _____

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 (EH335)
Washington, D. C. 20460

Prepared by Richard Kaufman

Telephone FTS 758-3307

Date Nov 1 1979

Form 2 SPS Revised 10/19/79

1.02

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION: VII

SITE NUMBER (to be assigned by HQ): MO[illegible]

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. 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.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (*Preliminary Assessment*). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (*EN-335*); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Raffinate Pits
Weldon Springs Chemical Plant

B. STREET (*for other identifier*): Mo. 94, 2 miles S. of U.S. 40

C. CITY: St. Charles

D. STATE: MO

E. ZIP CODE:

F. COUNTY NAME: St. Charles

G. OWNER/OPERATOR (*if known*)
1. NAME: Technical Services Department, U.S. D.O.E.
2. TELEPHONE NUMBER: FTS: 626-0947

H. TYPE OF OWNERSHIP
[X] 1. FEDERAL [ ] 2. STATE [ ] 3. COUNTY [ ] 4. MUNICIPAL [ ] 5. PRIVATE [ ] 6. UNKNOWN

I. SITE DESCRIPTION
Former Uranium Feed Material Plant, raffinate pits.

J. HOW IDENTIFIED (*i.e., citizen's complaints, OSHA citations, etc.*)
Decommissioning Study

K. DATE IDENTIFIED (*mo., day, & yr.*): Jan. 1968

L. PRINCIPAL STATE CONTACT
1. NAME: Robert Robinson
2. TELEPHONE NUMBER: 314/751-3241

II. PRELIMINARY ASSESSMENT (*complete this section last*)

A. APPARENT SERIOUSNESS OF PROBLEM
[ ] 1. HIGH [ ] 2. MEDIUM [X] 3. LOW [ ] 4. NONE [ ] 5. UNKNOWN

B. RECOMMENDATION
[X] 1. NO ACTION NEEDED (*no hazard*)
DOE exerting efforts for timely remedial actions
[ ] 2. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:
[ ] 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:
[ ] 4. SITE INSPECTION NEEDED (*low priority*)

C. PREPARER INFORMATION
1. NAME: W.L. Brinck
2. TELEPHONE NUMBER: FTS: 758-3307
3. DATE (*mo., day, & yr.*): Nov. 1, 1979

III. SITE INFORMATION

A. SITE STATUS
[ ] 1. ACTIVE (*Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.*)
[X] 2. INACTIVE (*Those sites which no longer receive wastes.*)
[ ] 3. OTHER (*specify*): (*Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.*)

B. IS GENERATOR ON SITE?
[X] 1. NO [ ] 2. YES (*specify generator's four-digit SIC Code*):

C. AREA OF SITE (*in acres*): 52

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES
1. LATITUDE (*deg.-min.-sec.*): 38/30/--
2. LONGITUDE (*deg.-min.-sec.*): 90/37/--

E. ARE THERE BUILDINGS ON THE SITE?
[ ] 1. NO [X] 2. YES (*specify*): 1 minor

T2070-2 (10-79)

DOCUMENT NO.

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP	X	2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTIO
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

V. WASTE RELATED INFORMATION

A. WASTE TYPE

[ ] 1 UNKNOWN [X] 2. LIQUID [ ] 3. SOLID [X] 4. SLUDGE [ ] 5. GAS

B. WASTE CHARACTERISTICS

[ ] 1 UNKNOWN [ ] 2. CORROSIVE [ ] 3. IGNITABLE [X] 4 RADIOACTIVE [ ] 5 HIGHLY VOLATILE
[ ] 6 TOXIC [ ] 7 REACTIVE [ ] 8 INERT [ ] 9 FLAMMABLE

[ ] 10. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Partial, stored at DOE Technical Services, Oak Ridge, Tenn.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT 6×10^6	AMOUNT 2×10^7
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE ft^3	UNIT OF MEASU gallons
'X' (1) PAINT, PIGMENTS	'X' (1) OILY WASTES	'X' (1) HALOGENATED SOLVENTS	'X' (1) ACIDS	'X' (1) FLYASH	'X' (1) LABORAT PHARMAC
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACT
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPA
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	X (5) OTHER (sp
			(6) CYANIDE	X (6) OTHER (specify): Raffinates containing Uranium and Thorium	Radium Contamina Water
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		

Continue On Page

Continued From Page 2

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Raffinate Pits - Uranium and Daughter Products in Sludge, Thorium in sludge, Radium contaminated water.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

ERDA Decommissioning study dated June 1975. Remedial efforts to date have been unsuccessful (political complications).

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH	X			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X			2×10^7 gal. radium contaminated water.
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- [ ] 1. NPDES PERMIT
- [ ] 2. SPCC PLAN
- [ ] 3. STATE PERMIT (specify):
- [ ] 4. AIR PERMITS
- [ ] 5. LOCAL PERMIT
- [ ] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [ ] 8. RCRA TREATER
- [ ] 9. RCRA DISPOSER
- [ ] 10. OTHER (specify): DOE plans to seek NPDES permit to discharge 1.5×10^7 gal. of pico curie water from raffinate pits into Missouri River.

B. IN COMPLIANCE?

- [ ] 1. YES
- [ ] 2. NO
- [ ] 3. UNKNOWN
- 4. WITH RESPECT TO (list regulation name & number):

VIII. PAST REGULATORY ACTIONS

- [ ] A. NONE
- [ ] B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- [ ] A. NONE
- [X] B. YES (complete items 1,2,3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
	Nov. 1975	ERDA	Aerial Radiological Survey
	1975	ERDA	Weldon Spring Decommissioning Study

X. REMEDIAL ACTIVITY (past or on-going)

- [ ] A. NONE
- [X] B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
	proposed	DOE	Sale of raffinate pit wastes for reprocessing.

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.