



Department of Energy

Richland Field Office

P.O. Box 550

Richland, Washington 99352

9208795

0025296

NOV 18 1992

93-RPB-029

Mr. David B. Jansen, P.E.
Hanford Project Manager
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600



RECEIVED
TRANSPORTATION

DEC 23 1992

Dear Mr. Jansen:

HEXONE STORAGE AND TREATMENT FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION FORM 3, REVISION 2 (WA7890008967) (TSD: TS-2-2)

Enclosed is the Hexone Storage and Treatment Facility (HSTF) Dangerous Waste Part A Permit Application (Part A) Form 3, Revision 2. The HSTF is located in the 200 West Area of the Hanford Facility. The HSTF was used for the treatment and storage of waste methyl isobutyl ketone (hexone) from the Reduction/Oxidation (REDOX) Plant and possibly the Hot Semiworks Plant. The HSTF also treated and stored waste normal paraffin hydrocarbon (NPH) and tributyl phosphate (TBP) from a one-time campaign to separate americium, curium, and promethium from Shippingport reactor blanket fuel in 1966. A temporary railcar mounted distillation system and four railroad tank cars were added to the HSTF in 1990. The waste was distilled for radionuclide removal and temporarily stored in the railroad tank cars until the distillate transfer by truck to a commercial incinerator was completed in June 1992.

The Form 3 for the HSTF has been revised to delete Process Code T03 (Treatment-Incinerator) and to add Process Code S01 (Storage-Container). Process Code T03 has been deleted because the HSTF did not use incineration as an onsite treatment method. Process Code S01 was added because the designation for the facility railroad tank cars as "container" was considered to be more appropriate than "tank."

Also the Form 3 has been revised to add Dangerous Waste Code D001 (ignitability) and State-only designations WC02 (carcinogenic-dangerous waste) and WT02 (toxic-dangerous waste) to the waste previously stored and treated at the HSTF. The addition of these dangerous waste codes is based on information provided by the facility identifying these dangerous waste constituents as being treated and stored at the HSTF. The change in dangerous waste codes are in compliance with the Washington State Dangerous Waste Regulation 173-303.



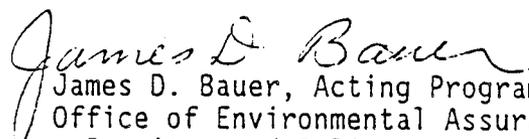
Mr. David B. Jansen
93-EAP-029

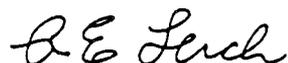
-2-

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Should you have any questions regarding this permit application, please contact Mr. C. E. Clark of the U.S. Department of Energy, Richland Field Office on (509) 376-9333, or Ms. S. M. Price of the Westinghouse Hanford Company on (509) 376-1653.

Sincerely,


James D. Bauer, Acting Program Manager
Office of Environmental Assurance,
Permits, and Policy
DOE Richland Field Office



R. E. Lerch, Deputy Director
Restoration and Remediation
Westinghouse Hanford Company

Enclosure:
Dangerous Waste Part A Permit
Application for the HSTF

cc w/o encl.:

~~R. C. Bowman, WHC~~

P. J. Day, EPA

D. L. Duncan, EPA

G. W. Jackson, WHC

T. M. Michelena, Ecology

D. C. Nylander, Ecology

**HEXONE STORAGE AND TREATMENT FACILITY PART A PERMIT APPLICATION REVISION
EXPLANATION (WA7890008967) (TSD: TS-2-2)**

This Dangerous Waste Part A Permit Application (Part A) consists of a Form 1 (not revised) and a Form 3, Revision 2, that describes the Hexone Storage and Treatment Facility (HSTF) in general terms.

The HSTF Part A, Form 3, has been revised to delete Process Code T03 (Treatment-Incinerator) and to add Process Code S01 (Storage-Container). Process Code T03 has been deleted, because the HSTF did not use incineration as an onsite treatment method. Process Code S01 was added because the designation for the facility railroad tank cars as 'container' is more appropriate than the designation as 'tank'.

The Form 3 has also been revised to address the addition of Dangerous Waste Code D001 (ignitability) and State-only designations WC02 (carcinogenic-dangerous waste) and WT02 (toxic-dangerous waste) for the waste previously stored and treated at the HSTF. The addition of the dangerous waste code, state-only designations, and Process Code S01, along with the deletion of Process Code T03, is based on information provided by the facility that identifies the actual processes used and dangerous waste constituents that were treated and stored at the HSTF. The revision to this Part A is based on information obtained for the HSTF Closure Plan, which is scheduled to be transmitted to the State of Washington Department of Ecology by November 30, 1992 (Hanford Federal Facility Agreement and Consent Order Milestone M-20-27). The dangerous waste codes were changed in compliance with the Washington Administrative Code (WAC) 173-303-805. This regulation requires submittal of a revised Part A that includes any dangerous waste that has not been previously identified that might be treated, stored, and/or disposed of at an interim status unit.

The following is an overview of the HSTF's Part A permit application, Form 3, contents:

- Section I The U.S. Environmental Protection Agency/State Identification Number - No change.
- Section II First or Revised Application - No change.
- Section III Processes - Codes and Design Capacities - This section describes the process codes and process design capacities of this treatment, storage, and disposal unit. In Blocks A. through B.2., the Process Code "T03" for incineration, the amount, and the unit of measurement, respectively, have been deleted because the distillate produced by treatment at the HSTF was transported offsite, rather than onsite as previously planned, for incineration. In Blocks A. through B.2. Process Code "S01" for storage-container, the amount, and the unit of measurement was added. Section III.C., "Processes," provides additional details of the processes involved with treatment and storage of the HSTF mixed waste.

- Section IV Description of Dangerous Waste - This section describes the waste that was stored and treated at the HSTF. In Block A., Dangerous Waste Code D001 and State-only designations WC02 and WT02 have been added based on information obtained for the HSTF Closure Plan and in accordance with the requirements of WAC 173-303-805. Table 1 of this explanation provides the dangerous waste number and description of the chemical constituents. Blocks B. and C. have no changes. In Blocks D.1. and D.2., Process Code T03 and the Process Description for Treatment-Incineration have been deleted, respectively, and replaced with Process Code S01 and the Process Description for Storage-Container. Section IV. E., "Description of Dangerous Waste," has been revised to include additional details of the dangerous waste being treated and stored at the HSTF.
- Section V Facility Drawings - The drawings have been updated to show the actual configuration and processes associated with the HSTF.
- Section VI Photographs - No change.
- Section VII Facility Geographic Location - No change.
- Section VIII Facility Owner - No change.
- Section IX Owner Certification - The certification is signed by the Manager, U.S. Department of Energy, Richland Field Office (RL).
- The Manager of RL was changed from Michael J. Lawrence to John D. Wagoner.
- Section X Operator Certification - An attachment is provided to the Form 3, to be signed by the Manager, RL, as "Owner/Operator" and the President of Westinghouse Hanford Company (WHC), as "Co-operator." These signatures certify management's belief that the submitted information is true, accurate, and complete.
- The Manager of RL was changed from Michael J. Lawrence to John D. Wagoner.
- The President of WHC was changed from William M. Jacobi to Thomas M. Anderson.

TABLE 1
KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

Part A, Section IV

<u>Dangerous Waste Code</u>	<u>Description of Waste Code</u>
D001*	Characteristic of Ignitability (e.g., methyl isobutyl ketone)
F003	Spent nonhalogenated solvents (e.g., methyl isobutyl ketone)
WC02*	Carcinogenic - Dangerous waste (DW), state-only designation (e.g., tributyl phosphate)
WT02*	Toxic - DW, state-only designation (e.g., methyl isobutyl ketone)

* New Dangerous Waste Code and State-only designations

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM 3	DANGEROUS WASTE PERMIT APPLICATION	1. EPA/STATE I.D. NUMBER W A 7 8 9 0 0 0 8 9 6 7
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FOR OFFICIAL USE ONLY		
APPLICATION APPROVED	DATE RECEIVED <i>(mo., day, & yr.)</i>	COMMENTS

II. FIRST OR REVISED APPLICATION
Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">MO.</td> <td style="border: 1px solid black; padding: 2px;">DAY</td> <td style="border: 1px solid black; padding: 2px;">YR.</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">01</td> <td style="border: 1px solid black; text-align: center;"> </td> <td style="border: 1px solid black; text-align: center;">52</td> </tr> </table> FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)	MO.	DAY	YR.	01		52	<input type="checkbox"/> 2. NEW FACILITY (Complete item below) <table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">MO.</td> <td style="border: 1px solid black; padding: 2px;">DAY</td> <td style="border: 1px solid black; padding: 2px;">YR.</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;"> </td> <td style="border: 1px solid black; text-align: center;"> </td> <td style="border: 1px solid black; text-align: center;"> </td> </tr> </table> FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN	MO.	DAY	YR.			
MO.	DAY	YR.											
01		52											
MO.	DAY	YR.											

B. REVISED APPLICATION (place an "X" below and complete Section I above)

<input checked="" type="checkbox"/> 1. FACILITY HAS AN INTERIM STATUS PERMIT	<input type="checkbox"/> 2. FACILITY HAS A FINAL PERMIT
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III. PROCESSES - CODES AND CAPACITIES
A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the (Section III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	D81	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D82	ACRES OR HECTARES			
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS			
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	ACRE-FEET	A	HECTARE-METER
LITERS	L	TONS PER HOUR	HECTARE-METER	F	ACRES
CUBIC YARDS	Y	METRIC TONS PER HOUR	ACRES	B	HECTARES
CUBIC METERS	C	GALLONS PER HOUR	HECTARES	O	
GALLONS PER DAY	U	LITERS PER HOUR			

EXAMPLE FOR COMPLETING SECTION III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)						1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G			5					
X-2	T 0 3	20	E			6					
1	S 0 2	48,000	G			7					
2	T 0 4	3,000	U			8					
3	S 0 1	40,000	G			9					
4						10					

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

S02 T04 S01

The Hexone Storage and Treatment Facility (HSTF) is located in the southeast corner of the 200 West Area of the Hanford Facility. The HSTF consists of two 24,000 gallon (91,000 liter) belowgrade carbon steel tanks--276-S-141 (S-141) and 276-S-142 (S-142), a distillation system, and railroad tank cars. The HSTF received liquid mixed waste from the Reduction/Oxidation (REDOX) Plant and possibly the Hot Semiworks Plant. The HSTF was used from 1951 through 1967 to store reagent-grade methyl isobutyl ketone (hexone) for makeup as a solvent for the REDOX Plant. After 1967, the HSTF contained distilled hexone, part or all of which had been used in the REDOX Plant. The S-142 tank also contained normal paraffin hydrocarbon (NPH) and tributyl phosphate (TBP) from a one-time campaign to separate americium, curium, and promethium from Shippingport reactor blanket fuel in 1966. Approximately 200 gallons (760 liters) of water was added to the S-141 tank in 1988. The S-142 tank received approximately 1,300 gallons (5,000 liters) of water in 1967, 500 gallons (1,900 liters) in the mid-1970's, and 200 gallons (760 liters) in the mid-1980's. The combined storage design capacities of the Tanks (S-141 and S-142) is 48,000 gallons (182,000 liters) (S02). The treatment design capacity of the distillation system was 3,000 gallons (11,400 liters) of waste per day (T04). The storage design capacity of the railroad tank cars was 40,000 gallons (152,000 liters) (S01).

The mixed waste was pumped from the S-141 and S-142 tanks through a distillation system to decrease the radioactivity of the waste. The distilled waste was sent to temporary storage in railroad tank cars located within the HSTF, until completion of transfers to an offsite incinerator in June of 1992. Three distillation vessels containing process residue have been sampled and are stored at the Hanford Site as mixed waste. The S-141 and S-142 tanks currently each contain up to 5 to 30 gallons (19 to 114 liters) of liquid mixed waste containing 93% NPH and 7% hexone and up to 250 gallons (950 liters) of phosphate tar. The phosphate tar will be stored at the Hanford Site as mixed waste. The railroad tank cars have been emptied, cleaned, and moved to another onsite location. The HSTF is being closed under interim status.

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	included with above

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The S-141 tank was used to store waste hexone (F003) that was used as a solvent in the REDOX Plant. The mixed waste was considered ignitable (D001) and a toxic state-only waste (WT02, dangerous waste). The estimated annual quantity of waste that was treated and stored in the S-141 tank was approximately 20,000 gallons (76,000 liters).

The S-142 tank also was used to store waste hexone. In addition, the S-142 tank also stored waste NPH and TBP. This mixture was designated F003, D001, WT02, and a carcinogenic state-only waste (WC02, dangerous waste). These wastes resulted from a one-time campaign to separate americium, curium, and promethium from Shippingport reactor blanket fuel in 1966. The estimated annual quantity of waste that was treated and stored in the S-142 tank was approximately 16,000 gallons (61,000 liters).

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER				2. PHONE NO. (area code & no.)			
3. STREET OR P.O. BOX			4. CITY OR TOWN		5. ST.	6. ZIP CODE	

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Field Office	SIGNATURE	DATE SIGNED
--	-----------	-------------

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type) SEE ATTACHMENT	SIGNATURE	DATE SIGNED
--	-----------	-------------

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Field Office

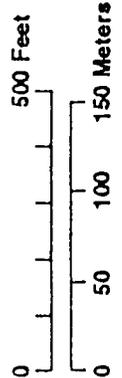
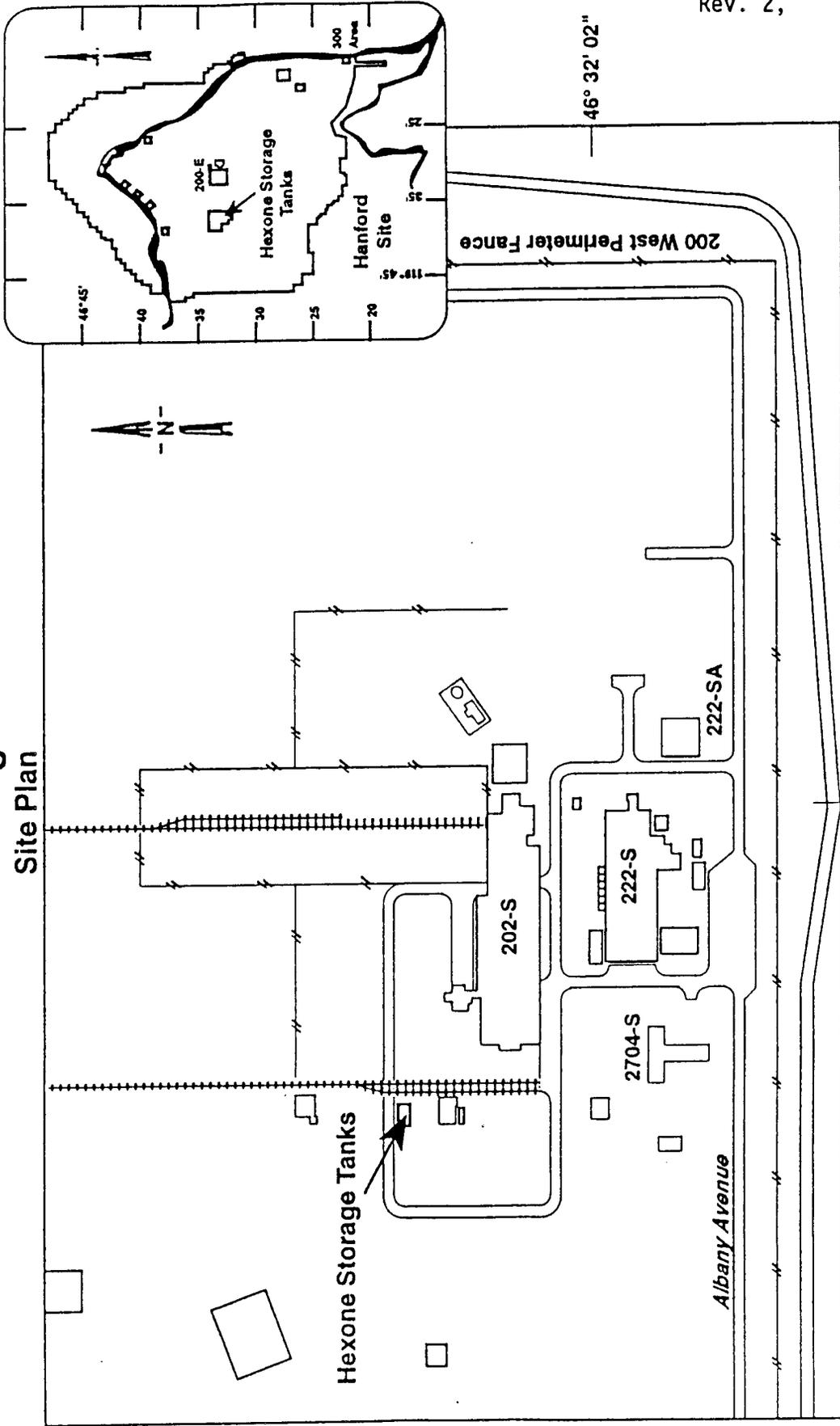
Date



Co-operator
Thomas M. Anderson, President
Westinghouse Hanford Company

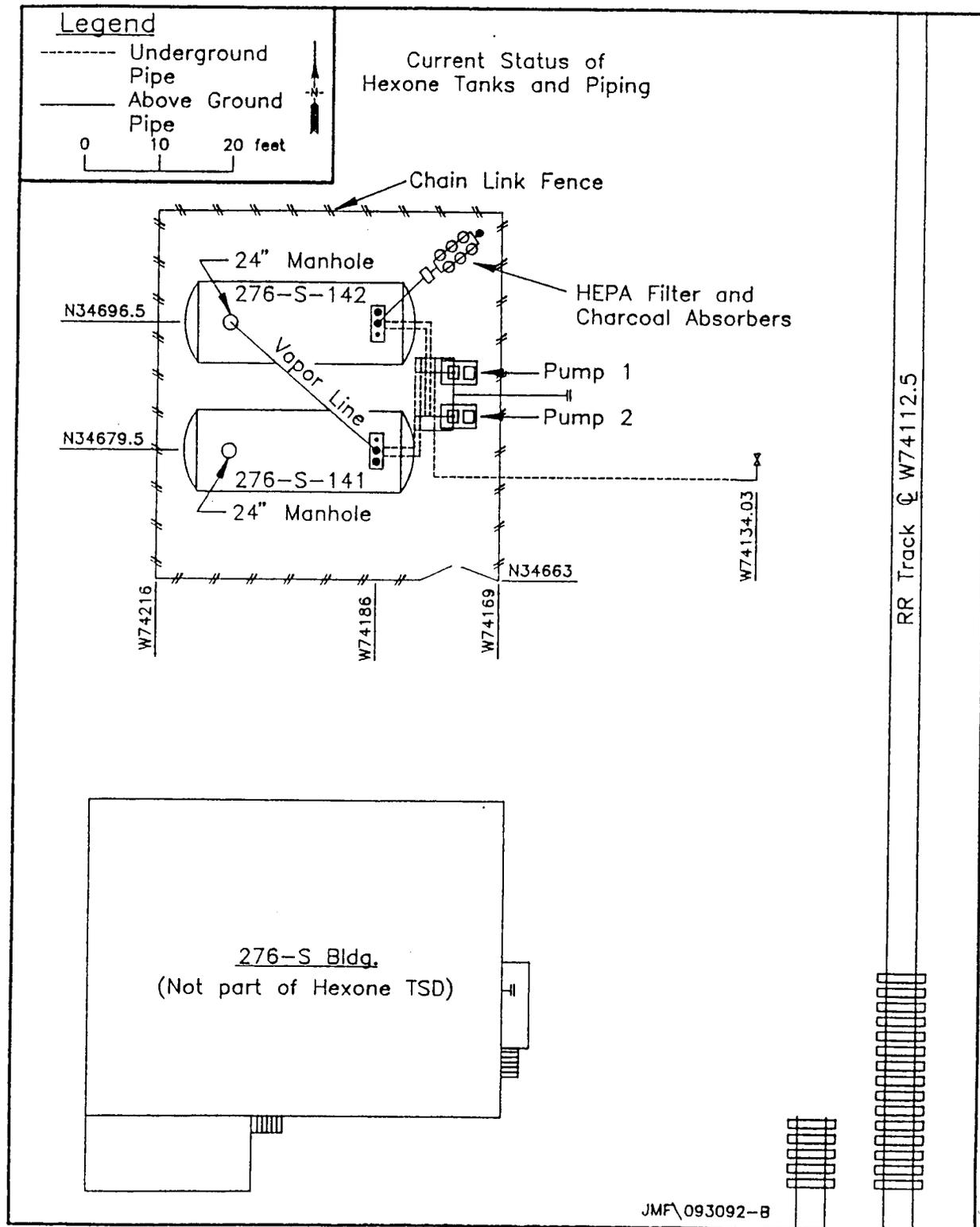
10-30-92
Date

276-S-141 and 142 Hexone Storage Tanks Site Plan

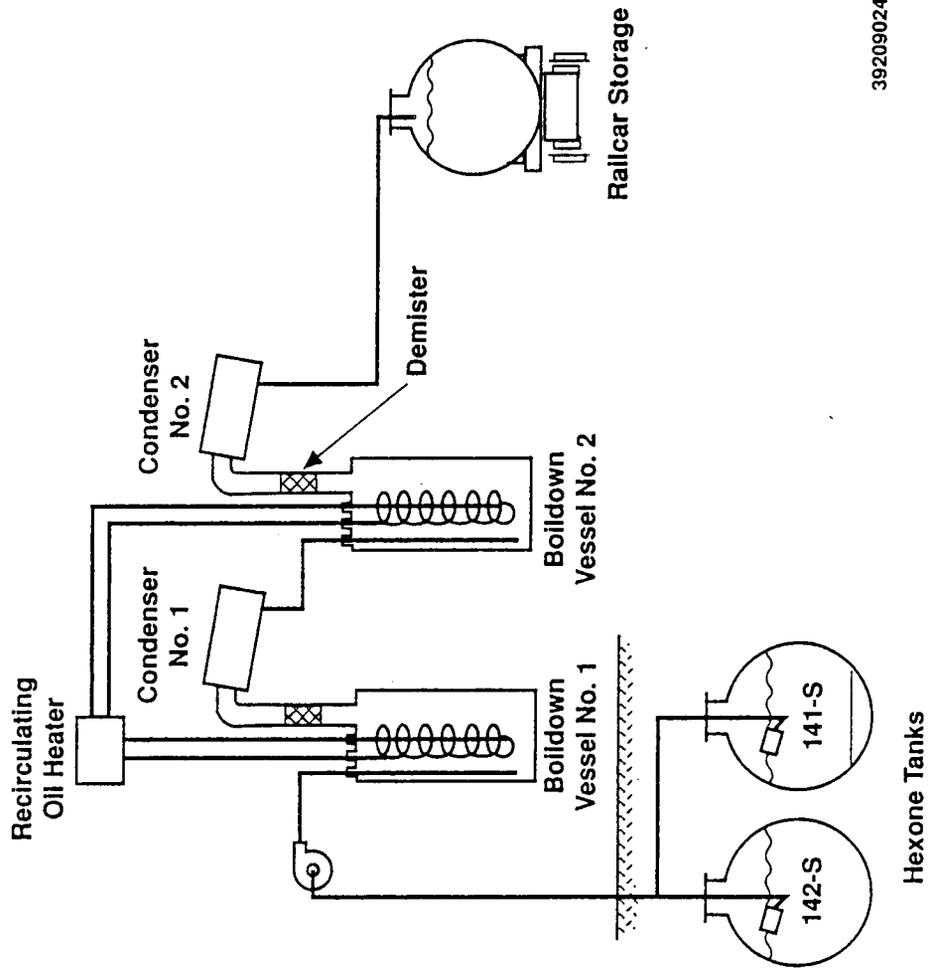


39210044.1

Hexone Storage Tanks



Hexone Treatment System Schematic



39209024.2

276-S-141 AND 142 HEXONE STORAGE TANKS



46°32'08"
119°37'23"

8706421-7CN
(PHOTO TAKEN 1987)

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
J. D. Bauer/RL R. E. Lerch/WHC (D. G. Saueressig, WHC)	Mr. D. B. Jansen, Ecology	Incoming: 9208795 XREF:9258186D

Subject: HEXONE STORAGE AND TREATMENT FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION FORM 3, REVISION 2 (WA7890008967) (TSD: TS-2-2)

INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	
		R. C. Bowman	H6-24	
		D. P. Butcher	H6-23	
		G. D. Carpenter	H6-20	
		L. P. Diediker	T1-30	
		B. G. Erlandson	H6-21	
		W. F. Heine	B3-63	
		M. C. Hughes	R2-81	
		G. W. Jackson, (Assignee)	H6-20	
		R. J. Landon	H6-22	
		P. J. Mackey	B3-15	
		J. R. McCallum	H4-16	
		H. E. McGuire, (Level 1)	B3-63	
		M. A. Mihalic	R2-77	
		S. M. Price	H6-23	
		O. R. Rasmussen	R1-51	
		F. A. Ruck III	H6-23	
		D. G. Saueressig	H6-24	
		W. E. Toebe	H6-22	
		J. F. Williams Jr.	H6-24	
		T. M. Wintczak	H6-27	
		R. D. Wojtasek	H6-27	
		EDMC	H6-08	
		DGS LB	H6-24	



NOTE: Attachments same as letter No. 9258186D