



Department of Energy

9100248012343

Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

# START

December 20, 1990

Mr. Timothy L. Nord  
Hanford Project Manager  
State of Washington  
Department of Ecology  
99 South Sound  
Lacey, Washington 98503



Dear Mr. Nord:

REVISION TO THE DANGEROUS WASTE PART A PERMIT APPLICATION FOR THE 241-Z TREATMENT TANK (WA/89000896/) (1-2-5)

Enclosed is the Dangerous Waste Part A Permit Application Form 3, Revision 2, for the 241-Z Treatment Tank. The 241-Z Treatment Tank receives mixed waste from the Plutonium Finishing Plant (PFP) and treats this mixed waste to create a solution amenable for storage in double-shell tanks.

Form 3, Revision 2, for the 241-Z Treatment Tank has been revised to address the addition of Dangerous Waste Code D011 (silver). The addition of this dangerous waste code is based on process knowledge that a silver bearing solution will be used in the PFP laboratories. Eventually the silver bearing solution may be used throughout the PFP to leach plutonium. This dangerous waste code has been added in compliance with the Washington Administrative Code 173-303.

Dangerous Waste Code D019 (carbon tetrachloride) has been added to this permit application revision. The addition of this dangerous waste code is based on a notification from the U.S. Environmental Protection Agency (EPA) of a rule change on toxicity characteristics testing (EPA Final Rule, Federal Register, Volume 55, pages 11799 through 11877, dated March 29, 1990). This rule change, implemented on September 25, 1990, replaces the Extraction Procedure toxicity test with a new procedure called Toxicity Characteristics Leaching Procedure. Based on process knowledge, it has been determined that carbon tetrachloride will be present in the mixed waste being treated by the 241-Z Treatment Tank and during operation of the Plutonium Reclamation Facility, which is a major process area within the PFP.

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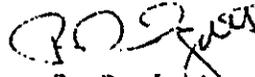
Mr. Timothy L. Nord

-2-

December 20, 1990

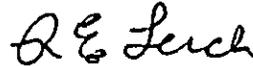
If you have any questions regarding the enclosed permit application revision, please contact Mr. C. E. Clark of the U.S. Department of Energy, Richland Operations Office on (509) 376-9333, or Ms. C. J. Geier of the Westinghouse Hanford Company on (509) 376-2237.

Sincerely,



R. D. Izatt, Director  
Environmental Restoration Division  
Richland Operations Office

ERD:CCC



R. E. Lerch, Manager  
Environmental Division  
Westinghouse Hanford Company

Enclosure:  
Dangerous Waste Part A Permit  
Application For the 241-Z  
Treatment Tank

cc: P. I. Day, EPA, w/encl.  
D. L. Duncan, EPA, w/encl.  
R. E. Lerch, WIC, w/o encl.

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**CORRESPONDENCE DISTRIBUTION COVERSHEET - Page 2 of 2**

Author Addressee Incoming Correspondence No.  
 J. F. Williams, Jr., 376-4782 Mr. T. L. Nord, Ecology 9100248

**Subject:** REVISION TO DANGEROUS WASTE PART A PERMIT APPLICATION FOR THE 241-Z TREATMENT TANK (WA7890008967) (T-2-5)

**INTERNAL DISTRIBUTION**

Approval	Date	Name	Location	w/att
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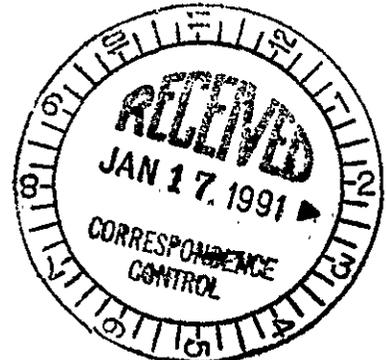
**ENVIRONMENTAL AND WASTE PROGRAM INTEGRATION**

H. E. McGuire	B2-35
L. L. Powers	B2-35
T. B. Veneziano	B2-22

R. J. Bliss	B3-04
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<b>cc:</b>	EDMC	H4-22
	JFW File/LB	H4-57

Attachment same as letter #9058271



91129570317

**241-Z TREATMENT TANK PART A PERMIT APPLICATION REVISION EXPLANATION (T-2-5)**

This Part A permit application consists of a Form 1 (not revised) and a Form 3, Revision 2, that describes the 241-Z Treatment Tank in general terms.

Dangerous Waste Code D011 (silver) has been added to this permit application based on process knowledge that a silver bearing solution will be used to catalyze dissolution and leaching of plutonium containing material in the Plutonium Finishing Plant (PFP) laboratories. Eventually the silver bearing solution may be used throughout the PFP to leach plutonium. This dangerous waste code was added in compliance with the Washington Administrative Code 173-303-805. This regulation requires a revised Part A permit application to include any dangerous waste that has not been previously identified that may be treated or stored at a waste management unit with interim status.

Dangerous Waste Code D019 (carbon tetrachloride) has also been added to this permit application revision. The addition of this dangerous waste code is based on a notification from the U.S. Environmental Protection Agency (EPA) of a rule change on toxicity characteristics testing (EPA Final Rule, Federal Register, Volume 55, pages 11799 through 11877, dated March 29, 1990). This rule change, implemented on September 25, 1990, replaced the Extraction Procedure (EP) toxicity test with a new procedure called Toxicity Characteristics Leaching Procedure (TCLP). The TCLP replaces the EP toxicity test because, in most cases, the TCLP is more sensitive than the EP toxicity test in determining whether the waste is toxic. The rule change adds 26 organic chemical constituents that were not listed in the EP toxicity test as being potentially toxic. Based on process knowledge, it has been determined that carbon tetrachloride (D019) will be present in the waste streams treated by the 241-Z Treatment Tank and during operation of the Plutonium Reclamation Facility, which is a major process area within the PFP.

The following is an overview of the 241-Z Treatment Tank Part A Permit Application, Form 3, contents.

- Section I      The EPA/State Identification Number - No change.
- Section II     First or Revised Application - No change.
- Section III    Processes - Codes and Design Capacities - No change.

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Section IV Description of Dangerous Waste - This section describes the dangerous waste that is being treated at the 241-Z Treatment Tank. In Block A, Dangerous Waste Code D011 (silver) has been added in accordance with WAC 173-303-805. Dangerous Waste Code D019 (carbon tetrachloride) has been added per the EPA Final Rule for TCLP. Table 1 of this explanation provides the dangerous waste number and description of the chemical constituents. Blocks B, C, and D have no changes. Section IV.E., "Description of Dangerous Waste," has been revised to correlate the dangerous waste code numbers with their respective constituents, such as chromium (D007).

Section V Facility Drawing - No change.

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 Operations Office (DOE-RL).

Section X Operator Certification - An attachment is provided to the Form 3 to be signed by the Manager, DOE-RL as owner/operator and the President, Westinghouse Hanford Company (WHC), as co-operator. These signatures certify that the information is true, accurate, and complete.

The Manager of DOE-RL was changed from Michael J. Lawrence to John D. Wagoner.

The President of WHC was changed from John E. Nolan to Roger C. Nichols.

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TABLE 1  
KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS  
PART A, SECTION IV

<u>Dangerous Waste Numbers</u>	<u>Description of Chemical Constituents</u>
D002	Dangerous waste that exhibits characteristics of corrosivity (e.g., nitric acid)
D007	Chromium
D008	Lead
D011*	Silver
D019**	Carbon tetrachloride
WT01	Toxic - Extremely hazardous waste, state-only designation (e.g., silver)
WT02	Toxic - Dangerous waste, state-only designation (e.g., chromium)

\* - Dangerous waste code number per WAC 173-303-805.

\*\* - New dangerous waste code number per EPA Final Rule, TCLP, dated March 29, 1990.

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Please print or type in the unshaded areas only  
 (1979-80 areas are spaced for elite type, i.e., 12 characters/inch)

<b>FORM</b> <b>3</b>	<b>DANGEROUS WASTE PERMIT APPLICATION</b>	<b>I. EPA/STATE I.D. NUMBER</b> WA 7890008967
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FOR OFFICIAL USE ONLY		COMMENTS
APPLICATION APPROVED	DATE RECEIVED (mo., day, yr.)	

**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)

1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

2. NEW FACILITY (Complete item below.)

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
11	24	48

FOR NEW FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR IS EXPECTED TO BEGIN

MO	DAY	YR

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

1. FACILITY HAS AN INTERIM STATUS PERMIT

2. FACILITY HAS A FINAL PERMIT

**III. PROCESSES — CODES AND DESIGN 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
<b>Storage:</b>			<b>Treatment:</b>		
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
<b>Disposal:</b>					
INJECTION WELL	D80	GALLONS OR LITERS			
LANDFILL	D81	ACRE-FEET (the volume that would cover the site 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 CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	S
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

**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.**

N U L M I B N E R	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	N U L M I B N E R	A. PRO-CESS 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	T 0 1	5,300	U		7						
2					8						
3					9						
4					10						

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Continued from the front.

III. PROCESSES (continued)

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

T01

Treatment occurs in a batch process consisting of the addition of sodium hydroxide, ferric nitrate, and sodium nitrite to the 241-Z Treatment Tank (Tank D-5). Tank D-5 receives waste from the Plutonium Finishing Plant.

Sodium hydroxide raises the free hydroxide ion concentration of the treated liquid to greater than 1.5 molar (M). Ferric nitrate solution is added to provide 1 percent stable solids. Sodium nitrite is added to inhibit corrosion.

Treatment of the mixed waste ensures that the aluminum compounds are solubilized and permits pumping of the treated liquid through double-encased lines to the collection tank in the 244-TX receiver building, which is located approximately 1 mile north of the 241-Z building. The ultimate destination of the mixed waste is the double-shell tanks. Tank D-5 is designed to treat a maximum of 5,300 gallons per day.

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:

1. 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.
2. 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.
3. 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	F 0 3 D 8 0	
X-2	D 0 0 2	400	P	F 0 3 D 8 0	
X-3	D 0 0 1	100	P	F 0 3 D 8 0	
X-4	D 0 0 2			F 0 3 D 8 0	included with above

Continued from page 2

NOTE: Photocopy this page before completing if you have more than 20 wastes to list

ID. NUMBER (enter from page 1)											
W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)												
L I N E N O. E.	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))	
1	D	0	0	2	3,000,000	P	T	0	1			Treatment/Tank/Chemical
2	D	0	0	7								
3	D	0	0	8								
4	D	0	1	1								
5	D	0	1	9								
6	W	T	0	1								
7	W	T	0	2								Included With Above
8												
9												
10												
11												
12												
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15												
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18												
19												
20												
21												
22												
23												
24												
25												
26												

9 1 1 2 2 5 7 0 3 3

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**IV. DESCRIPTION OF DANGEROUS WASTES (continued)**

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

Before treatment, the liquid effluent in Tank D-5 is corrosive (D002, pH less than 2.0) containing predominately nitric acid. Additional chemical constituents known to be present through process knowledge, modeling, and some process sampling include: chromium (D007), lead (D008), silver (D011), carbon tetrachloride (D019), aluminum nitrate, aluminum fluoride, potassium hydroxide, potassium fluoride, magnesium nitrate, ferric nitrate, calcium nitrate, and other trace metal ions. Depending on the waste stream being treated in Tank D-5, the above waste constituents may be designated state-only dangerous waste WT01 (Toxic, Extremely Hazardous Waste) or WT02 (Toxic, Dangerous Waste).

**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, Richland Operations  
United States Department of Energy

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)

SIGNATURE

DATE SIGNED

SEE ATTACHMENT

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 Operations Office

\_\_\_\_\_  
Date

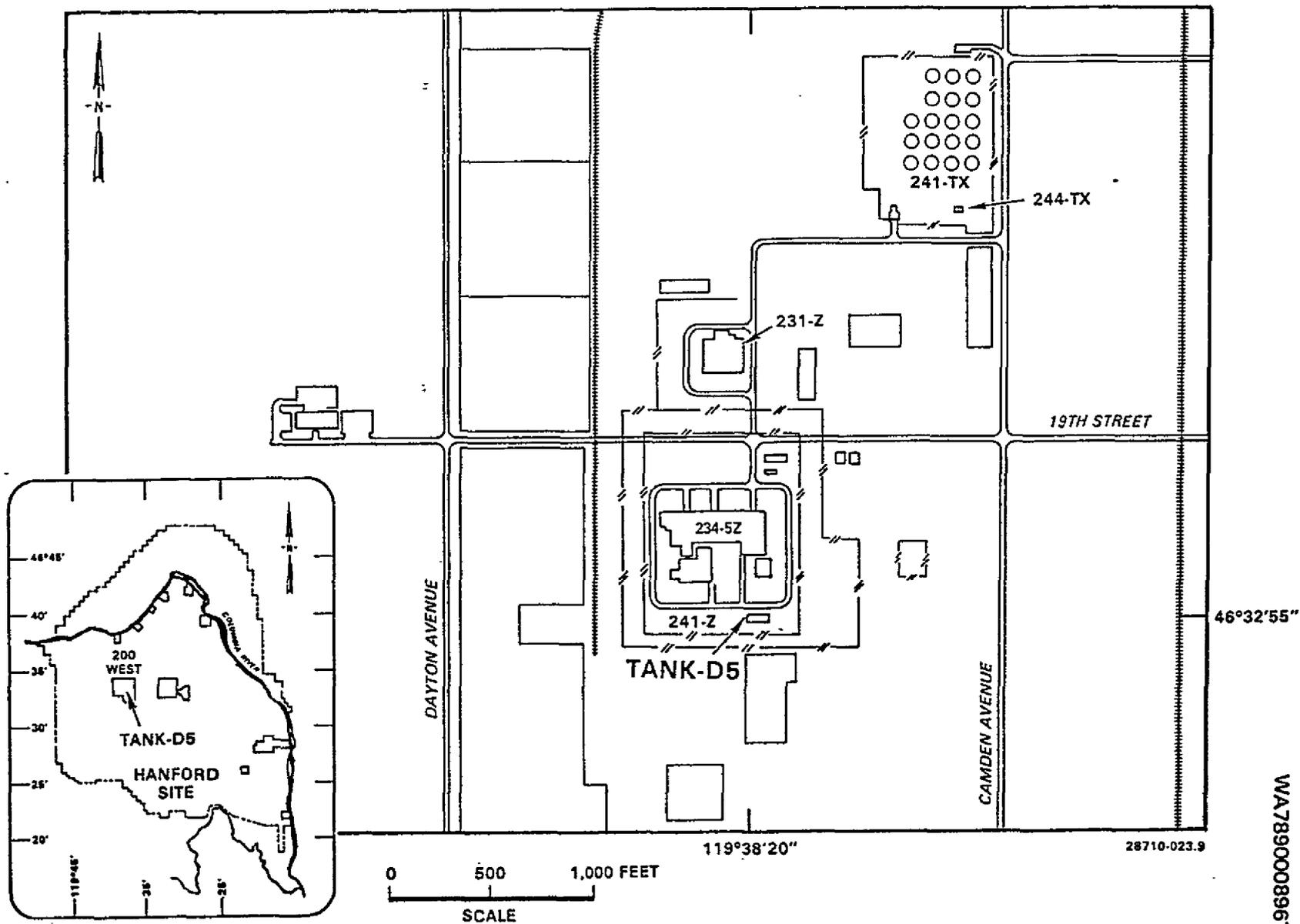
*Roger Nichols*  
\_\_\_\_\_  
Co-operator  
Roger C. Nichols, President  
Westinghouse Hanford Company

*11/20/90*  
\_\_\_\_\_  
Date

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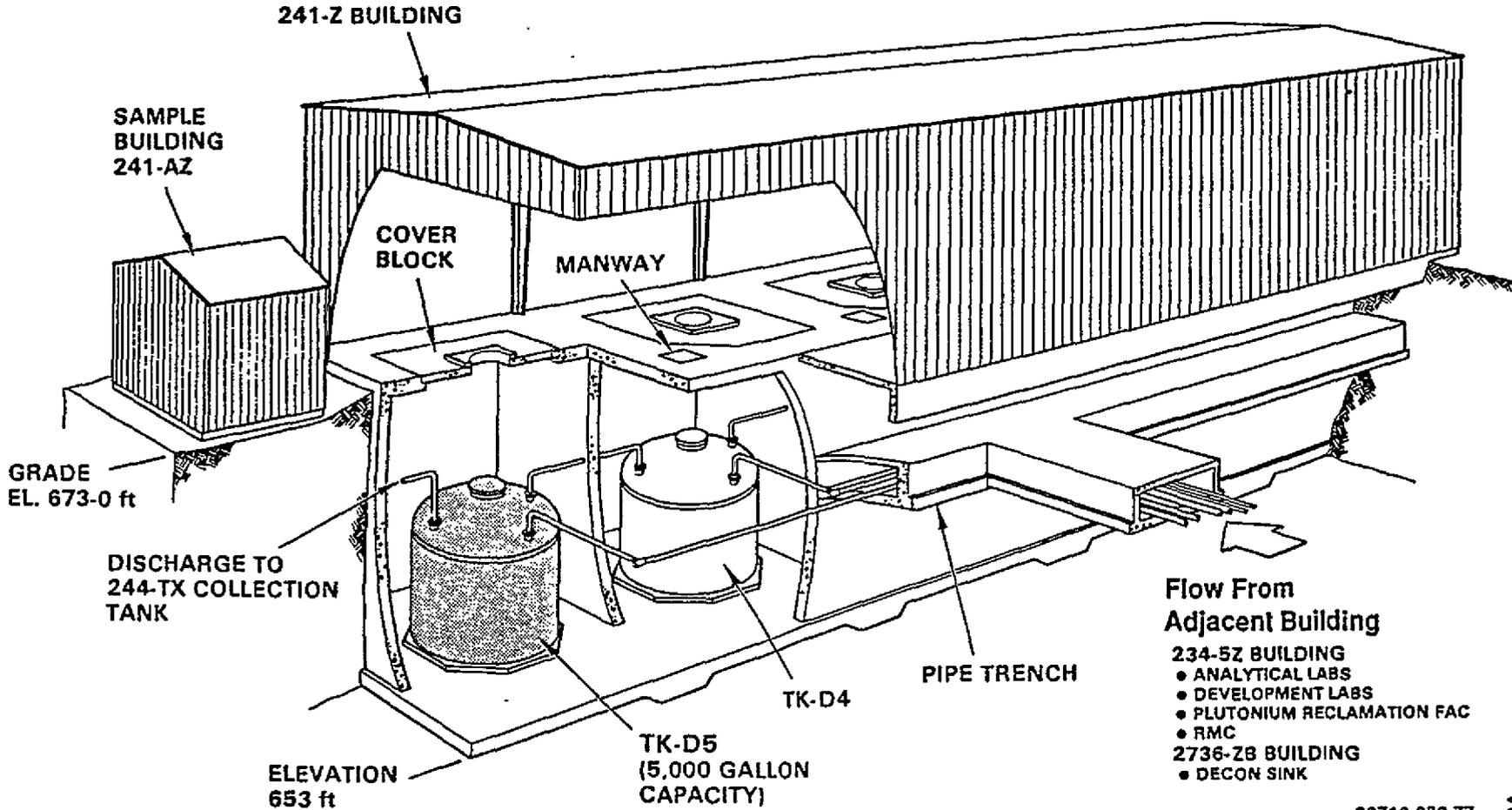
9 1 1 2 0 5 7 0 3 0 6

# 241-Z BUILDING TANK-D5 SITE PLAN



WA7890008967

# 241-Z BUILDING TANK D5



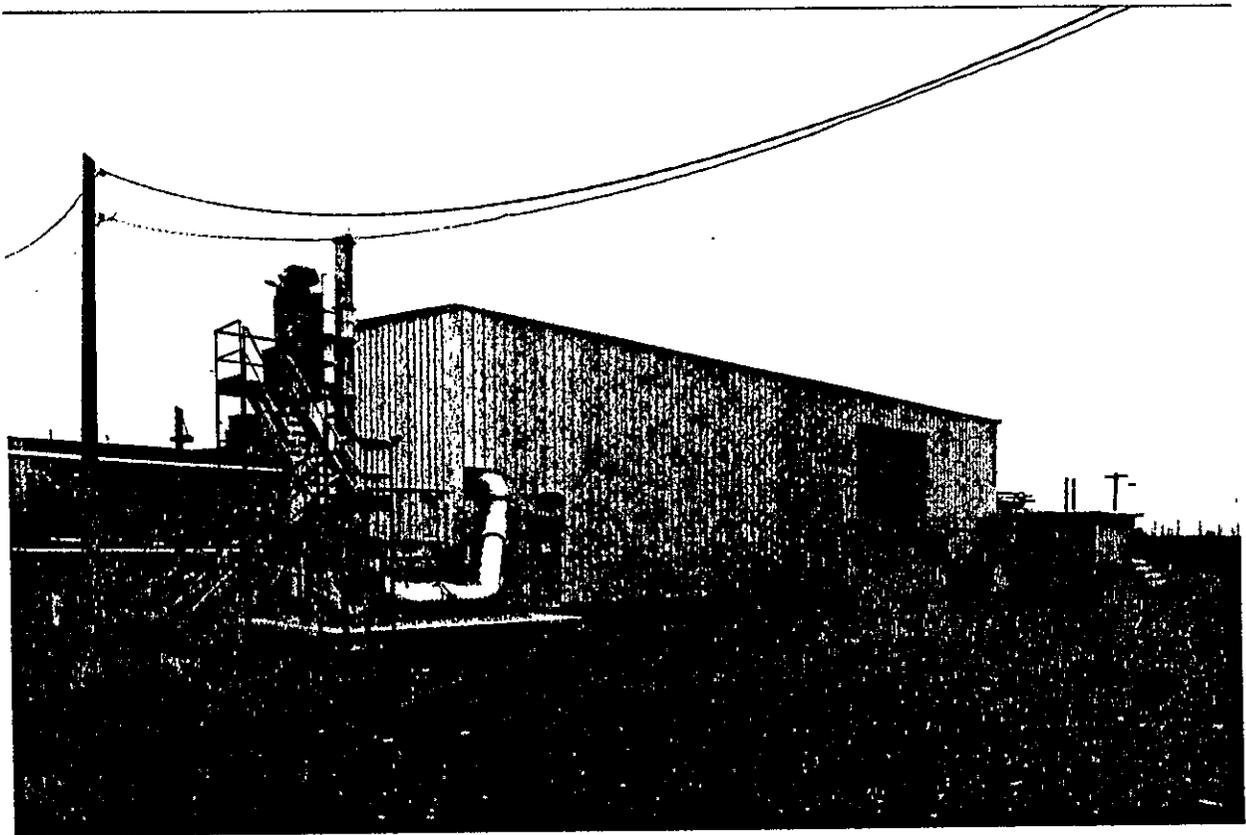
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WA7890008967

Rev. 2,

241-Z Treatment Tank  
Page 7 of 10

# 241-Z BUILDING

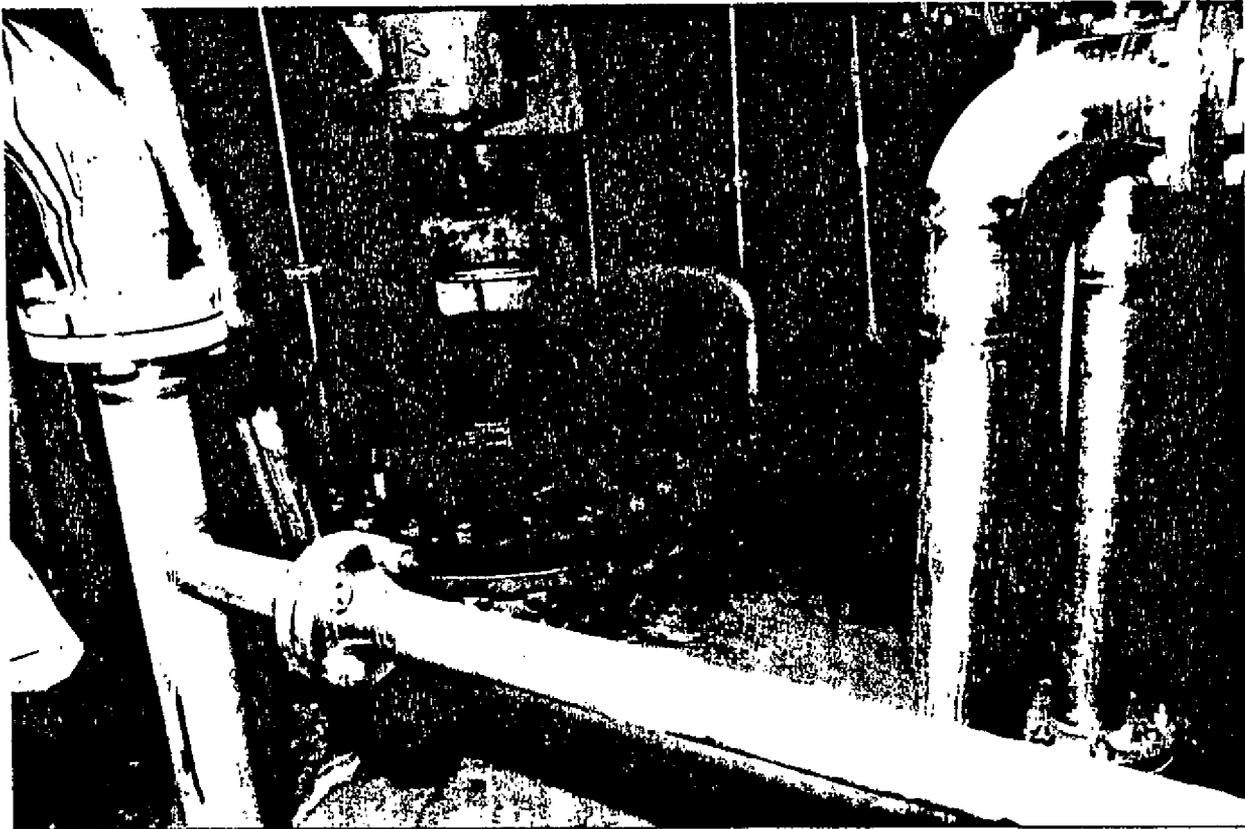


46°32'55"  
119°38'20"

8106219-5CN  
(PHOTO TAKEN 1981)

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# 241-Z BUILDING TANK D-5

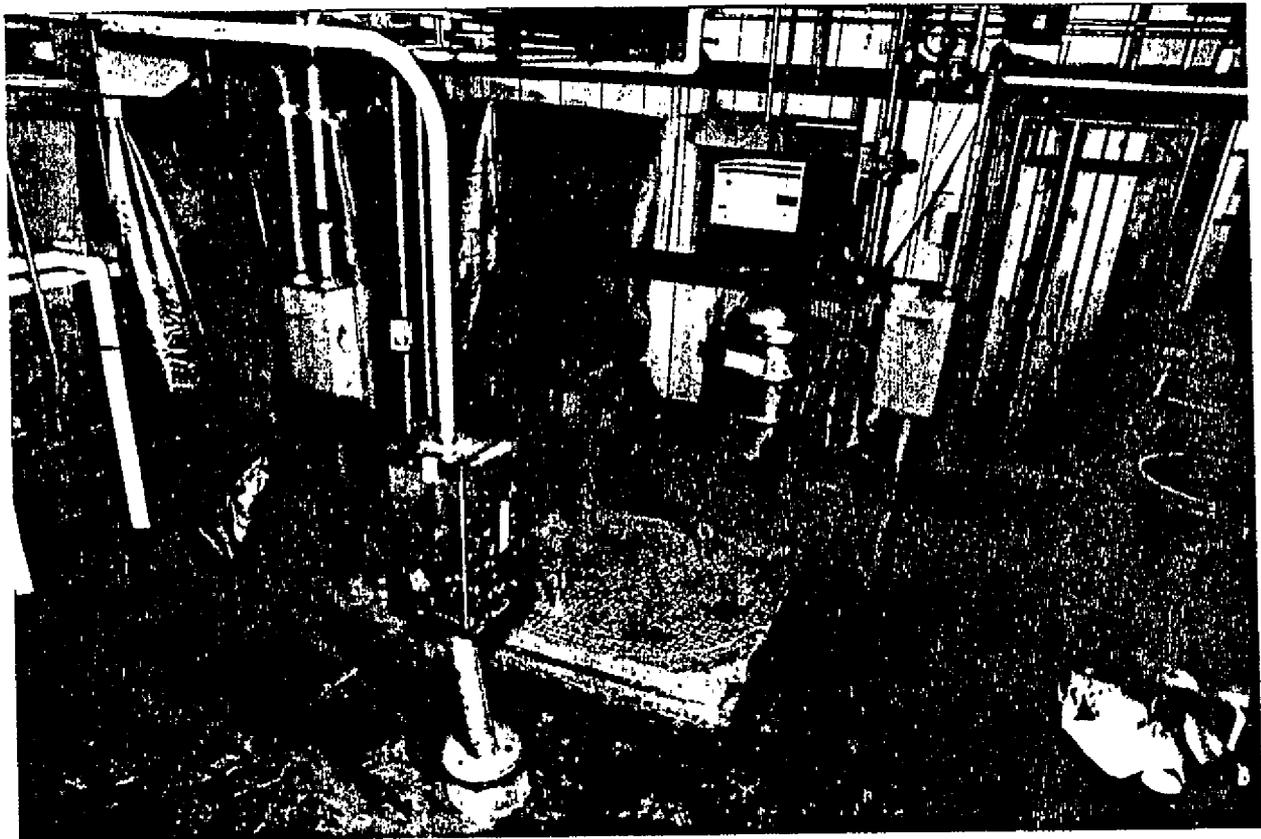


46°32'55"  
119°38'20"

8701477-135CN  
(PHOTO TAKEN 1987)

91120570309

# 241-Z BUILDING TANK D-5 VAULT COVER



46°32'55"  
119°38'20"

8706219-7CN  
(PHOTO TAKEN 1987)

91120570370

**CORRESPONDENCE DISTRIBUTION COVERSHEET - Page 1 of 2**

Author: J. F. Williams, Jr., 376-4782      Addressee: Mr. T. L. Nord, Ecology      Incoming Correspondence No.: 9100248

Subject: REVISION TO DANGEROUS WASTE PART A PERMIT APPLICATION FOR THE 241-Z TREATMENT TANK (WA7890008967) (T-2-5)

**INTERNAL DISTRIBUTION**

Approval	Date	Name	Location	w/att
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Correspondence Control      A3-01

**DEFENSE OPERATIONS DIVISION**

W. G. Ruff      R2-53  
 L. A. Garner      T4-54  
 E. C. Vogt      T5-50

**ENVIRONMENTAL DIVISION**

R. C. Bowman      H4-57  
 L. C. Brown      H4-51  
 G. D. Carpenter      B2-16  
 L. P. Diediker      T1-30  
 J. J. Dorian      B2-16  
 B. G. Erlandson      B2-19  
 C. J. Geier      H4-57  
 R. J. Landon      B2-19  
 R. E. Lerch (assignee)      B2-35  
 S. M. Price      H4-57  
 J. F. Williams Jr      H4-57

**GENERAL COUNSEL**

J. D. Bauer      B3-15

**SAFETY, QUALITY ASSURANCE, AND SECURITY**

J. W. Hagan      R2-30  
 A. J. Fisher      S1-51  
 D. H. Jones      H4-16  
 K. R. Jordan      B3-51



91120570371

DISTRIBUTION COVERSHEET

Author: J. F. Williams Jr., 376-4782  
 Addressee: R. D. Izatt, DOE-RL  
 Correspondence No.: 9058271

Subject: REVISION TO DANGEROUS WASTE PART A PERMIT APPLICATION FOR THE 241-Z TREATMENT TANK (WA7890008967) (T-2-5)

Internal Distribution

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	X
		President's Office	B3-01	X
		<b><u>DEFENSE OPERATIONS DIVISION</u></b>		
X	11/15/90	N. C. Boyter	R2-52	X
X	11/15/90	L. A. Garner	T5-54	X
X	11/15/90	E. C. Vogt	T5-50	X
		<b><u>ENVIRIONMENTAL DIVISION</u></b>		
X	11/14/90	R. C. Bowman	H4-57	X
X	11/16/90	L. C. Brown	H4-51	X
X	11/16/90	G. D. Carpenter	B2-16	X
X	11-16-90	L. P. Diediker	T1-30	X
X	11/16/90	J. J. Dorian	B2-16	X
X	11/16/90	B. G. Erlandson	B2-19	X
X	11/16/90	C. J. Geier	H4-57	X
X	11/14/90	R. J. Landon	B2-19	X
X	11/14/90	R. E. Lerch	B2-35	X
X	11-14-90	S. M. Price	H4-57	X
X	11-14-90	J. F. Williams Jr.	H4-57	X
X	11-14-90	S. A. Weigman	B2-19	X
		<b><u>GENERAL COUNSEL</u></b>		
X	11/15/90	J. D. Bauer	B3-15	X
		<b><u>SAFETY, QUALITY ASSURANCE AND SECURITY</u></b>		
		J. W. Hagen	R2-30	X
		A. J. Fisher	S1-51	X
		K. R. Jordon	L0-11	X
		D. H. Jones	H4-16	X
		D. E. Simpson	B3-51	X

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*[Handwritten signature]*

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**Author**

J. F. Williams Jr., 376-4782

**Addressee**

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**Correspondence No.**

9058271

**Subject**

REVISION TO DANGEROUS WASTE PART A PERMIT APPLICATION FOR THE 241-Z TREATMENT TANK

**Internal Distribution**

Approval	Date	Name	Location	w/att
		<b><u>ENVIRONMENTAL AND WASTE PROGRAM INTERGRATION</u></b>		
		H. E. McGuire	B2-35	X
		L. L. Powers	B2-35	X
		T. B. Veneziano	B2-35	X
		R. J. Bliss	B3-04	X
		EDMC	H4-22	X
		JFW: File/LB	H4-57	X

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