0012088

9005078

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

90-PPB-243

OCT 22 1990

DEC 1990 RECEIVED EDMC

RECEIVED DEC 12 1990 CORRESPONDENCE CONTROL

Mr. Timothy L. Nord
Hanford Project Manager
State of Washington
Department of Ecology
Mail Stop PV-11
Olympia, Washington 98504-8711

Dear Mr. Nord:

REVISION TO THE DANGEROUS WASTE PART A PERMIT APPLICATION (WA7890008967) (S-2-2)

Enclosed is the Dangerous Waste Part A Permit Application Form 3, Revision 1, for the Transuranic Waste Storage and Assay Facility (TRUSAF). The TRUSAF operation consists of a nondestructive analysis of transuranic (TRU) waste. The analysis is used as an overview for sealed TRU solid-waste packages to verify general compliance with the Waste Isolation Pilot Plant Waste Acceptance Criteria.

The Form 3, Revision 1, for TRUSAF has been revised to address the addition of 26 new dangerous waste codes along with their estimated annual quantities of dangerous waste. The addition of these dangerous waste codes 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, which was to be implemented on September 25, 1990, will replace 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. The TRUSAF may have the potential of storing these dangerous wastes whose toxic characteristics could be above the TCLP limits; therefore, the new dangerous waste codes have been added to this permit application.

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

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

Enclosure:
Dangerous Waste Part A Permit
Application for TRUSAF

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

DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
J. F. Williams Jr., 376-4782	T. L. Nord, Ecology	Incoming: 9005078

Subject
REVISION TO DANGEROUS WASTE PART A PERMIT APPLICATION FOR TRANSURANIC WASTE STORAGE AND ASSAY FACILITY (S-2-2)

Internal Distribution

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	
		<u>Quality Assurance</u>		
		D. H. Jones	H4-16	
		K. R. Jordan	R2-56	
		P. R. Praetorius	S1-56	
		R. J. Bliss	B3-04	
		W. T. Dixon	B2-35	
		H. E. McGuire	B2-35	
		L. L. Powers	B2-35	
		D. E. Simpson	B3-51	
		T. B. Veneziano	B2-35	
		LEDMC	H4-22	
		JFW:LB	H4-57	
		Attachment Same As Letter #9057194		

54-6000-117 (09/88)

DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
J. F. Williams Jr., 376-4782	T. L. Nord, Ecology	Incoming: 9005078

Subject
REVISION TO DANGEROUS WASTE PART A PERMIT APPLICATION FOR TRANSURANIC WASTE STORAGE AND ASSAY FACILITY (S-2-2)

Internal Distribution

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	—
		Defense Waste Management Division		
		D. L. Armstrong	R2-82	
		G. T. Dukelow	R1-91	
		D. W. Lindsey	R2-82	
		S. H. Norton	T3-28	
		M. A. Ortega	T3-25	
		R. J. Roberts	R1-43	
		W. G. Ruff	R2-53	
		R. G. Stickney	R2-82	
		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	H4-15	
		B. G. Erlandson	B2-19	
		G. E. Evans	H4-57	
		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	
		S. A. Wiegman	B2-19	
		Legal Department		
		J. D. Bauer	B3-15	
		Safety		
		J. W. Hagen	R2-30	

THE TRANSURANIC WASTE STORAGE AND ASSAY FACILITY (TRUSAF) PART A PERMIT APPLICATION (S-2-2)

This Part A permit application consists of a Form 1 (not revised) and a Form 3, Revision 1, that describes the Transuranic Waste Storage and Assay Facility (TRUSAF) in general terms.

Twenty-six new dangerous waste codes, with their estimated annual quantities of dangerous waste, have been added to this permit application revision. The addition of these dangerous waste codes 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, which is to be implemented on September 25, 1990, will replace 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. The TRUSAF has a potential of storing these dangerous wastes whose toxic characteristics could be above the TCLP limits; therefore, the new dangerous waste codes were added to this permit application.

The following is an overview of the TRUSAF 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 - This section describes the process codes and process design capacities of TRUSAF. Blocks A and B have no changes. In Section III.C, the statement "the containers that do not meet the WIPP WAC criteria are returned to the waste generators for correction of deficiencies" has been deleted from this section. Federal regulations does not allow waste to be returned to the generator even if there are deficiencies. The waste that does not meet the required criteria is stored until a determination is made on how to process the waste for storage, treatment, or disposal.

Section IV — Description of Dangerous Waste - This section describes the dangerous waste that is being stored at TRUSAF. Twenty-six new dangerous waste codes have been added to this section based on TCLP requirements. Table 1 of this explanation provides the dangerous waste number, estimated annual quantities of dangerous waste, and description of chemical constituents. Section IV.E, "Description of Dangerous Waste," provides additional details of the waste stored at TRUSAF.

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).

The Manager of DOE-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 President, Westinghouse Hanford Company (WHC) as co-operator, and the Manager, DOE-RL as owner/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.

TABLE 1

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste Code	Annual Quantity of Dangerous Waste (P)**	Description of Chemical Constituents
D018*	500	Benzene
D019*	500	Carbon tetrachloride
D020*	500	Chlordane
D021*	500	Chlorobenzene
D022*	500	Chloroform
D023*	500	o-Cresol
D024*	500	m-Cresol
D025*	500	p-Cresol
D026*	500	Cresol
D027*	500	1,4-Dichlorobenzene
D028*	500	1,2-Dichloroethane
D029*	500	1,1-Dichloroethylene
D030*	500	2,4-Dinitrotoluene
D031*	500	Heptachlor (& hydroxides)
D032*	500	Hexachlorobenzene
D033*	500	Hexachlorobutadiene

* - New Dangerous Waste Code, located on page 3 of 23, lines 11 through 26 of this permit application.

** - New Annual Quantity of Dangerous Waste in pounds (P).

TABLE 1 - Continued

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste Code	Annual Quantity of Dangerous Waste (P)**	Description of Chemical Constituents
D034*	500	Hexachloroethane
D035*	500	Methyl ethyl ketone
D036*	500	Nitrobenzene
D037*	500	Pentachloropheno
D038*	500	Pyridine
D039*	500	Tetrachloroethylene
D040*	500	Trichloroethylene
D041*	500	2,4,5-Trichlorophenol
D042*	500	2,4,6-Trichlorophenol
D043*	500	Vinyl chloride

* - New Dangerous Waste Code, located on page 4 of 23, lines 1 through 10 of this permit application.

** - New Annual Quantity of Dangerous Waste in pounds (P).

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

FORM 3

DANGEROUS WASTE PERMIT APPLICATION

I. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 9 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (mo., day, & yr.)	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 data)

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

MO. 0 9 DAY YR. 8 5 — FOR EXISTING FACILITIES, PROVIDE THE DATE (mo., day, & yr.) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

☐ 2. NEW FACILITY (Complete item below.)

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

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	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
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

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
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

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	O

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 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G	
X-2	T 0 3	20	E	
1	S 0 1	110,000	G	
2				
3				
4				

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
5				
6				
7				
8				
9				
10				

CONTINUE ON REVERSE

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.

S01
The Transuranic Waste Storage and Assay Facility (TRUSAF) operation consists of a nondestructive analysis of transuranic (TRU) waste. The dangerous waste is generated nationally by various U.S. Department of Energy processing facilities. The waste is shipped to the Hanford Site for interim storage and handling. The waste will eventually be shipped to the Waste Isolation Pilot Plant (WIPP) in New Mexico for disposal. The analysis is used as an overview for sealed, TRU solid-waste packages to verify general compliance with the WIPP Waste Acceptance Criteria (WAC). Those containers meeting WIPP WAC criteria are stored at 224-T and maintained in a manner to retain their certification. The TRUSAF storage unit capacity is approximately 110,000 gallons (2,000 drums).

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 300 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)	D. PROCESSES 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

 CONTINUE ON PAGE 3

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1)
WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001	500	P	S01	Container Storage
2	D002	500			
3	D003	500			
4	D004	500			
5	D005	500			
6	D006	500			
7	D007	500			
8	D008	1,000			
9	D010	500			
10	D011	500			
11	D018	500			
12	D019	500			
13	D020	500			
14	D021	500			
15	D022	500			
16	D023	500			
17	D024	500			
18	D025	500			
19	D026	500			
20	D027	500			
21	D028	500			
22	D029	500			
23	D030	500			
24	D031	500			
25	D032	500			
26	D033	500			

ECL30 271 ECY 030-31 Form 3
PAGE 3 OF 5
(enter "A" "B" "C" etc. behind the "3" to identify photocopied pages)
CONTINUE ON REVERSE

9112055197 5

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): W A 7 8 9 0 0 0 8 9 6 7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter codes)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D034	500	P	S01	Container Storage
2	D035	500			
3	D036	500			
4	D037	500			
5	D038	500			
6	D039	500			
7	D040	500			
8	D041	500			
9	D042	500			
10	D043	500			
11	WT01	10,000			
12	WT02	10,000			
13	WP01	8,000			
14	WP02	8,000			
15	WP03	8,000			
16	WC01	8,000			
17	WC02	8,000			
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 28 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F001	500	P	S01	Container Storage
2	F002	500			
3	F003	500			
4	F004	500			
5	F005	500			
6	F020	500			
7	F021	500			
8	F022	500			
9	F023	500			
10	F026	500			
11	F027	500			
12	F028	500			
13	U001	500			
14	U002	500			
15	U003	500			
16	U004	500			
17	U005	500			
18	U006	500			
19	U007	500			
20	U008	500			
21	U009	500			
22	U010	500			
23	U011	500			
24	U012	500			
25	U013	500			
26	U014	500			

91125197

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U015	500	P	S01	Container Storage
2	U016	500			
3	U017	500			
4	U018	500			
5	U019	500			
6	U020	500			
7	U021	500			
8	U022	500			
9	U023	500			
10	U024	500			
11	U025	500			
12	U026	500			
13	U027	500			
14	U028	500			
15	U029	500			
16	U030	500			
17	U031	500			
18	U032	500			
19	U033	500			
20	U034	500			
21	U035	500			
22	U036	500			
23	U037	500			
24	U038	500			
25	U039	500			
26	U041	500			

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA789000897

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U042	500	P	S01	Container Storage
2	U043	500			
3	U044	500			
4	U045	500			
5	U046	500			
6	U047	500			
7	U048	500			
8	U049	500			
9	U050	500			
10	U051	500			
11	U052	500			
12	U053	500			
13	U055	500			
14	U056	500			
15	U057	500			
16	U058	500			
17	U059	500			
18	U060	500			
19	U061	500			
20	U062	500			
21	U063	500			
22	U064	500			
23	U066	500			
24	U067	500			
25	U068	500			
26	U069	500			

Continued from page 2.
NOTE. *Photocopy this page before completing if you have more than 26 wastes to list.*

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

IV. DESCRIPTION OF DANGEROUS WASTES *(continued)*

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)				D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))	
1	U 0 7 0	500	P	S 0 1				Container Storage	
2	U 0 7 1	500							
3	U 0 7 2	500							
4	U 0 7 3	500							
5	U 0 7 4	500							
6	U 0 7 5	500							
7	U 0 7 6	500							
8	U 0 7 7	500							
9	U 0 7 8	500							
10	U 0 7 9	500							
11	U 0 8 0	500							
12	U 0 8 1	500							
13	U 0 8 2	500							
14	U 0 8 3	500							
15	U 0 8 4	500							
16	U 0 8 5	500							
17	U 0 8 6	500							
18	U 0 8 7	500							
19	U 0 8 8	500							
20	U 0 8 9	500							
21	U 0 9 0	500							
22	U 0 9 1	500							
23	U 0 9 2	500							
24	U 0 9 3	500							
25	U 0 9 4	500							
26	U 0 9 5	500							

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U096	500	P	S01				Container Storage
2	U097	500						
3	U098	500						
4	U101	500						
5	U102	500						
6	U107	500						
7	U108	500						
8	U112	500						
9	U113	500						
10	U116	500						
11	U117	500						
12	U118	500						
13	U119	500						
14	U120	500						
15	U123	500						
16	U124	500						
17	U134	500						
18	U136	500						
19	U137	500						
20	U139	500						
21	U140	500						
22	U145	500						
23	U146	500						
24	U148	500						
25	U149	500						
26	U150	500						

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)				D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	U151	500	P	S01				Container Storage
2	U152	500						
3	U153	500						
4	U154	500						
5	U155	500						
6	U156	500						
7	U157	500						
8	U158	500						
9	U159	500						
10	U160	500						
11	U161	500						
12	U162	500						
13	U163	500						
14	U164	500						
15	U165	500						
16	U166	500						
17	U167	500						
18	U168	500						
19	U169	500						
20	U170	500						
21	U171	500						
22	U172	500						
23	U173	500						
24	U174	500						
25	U175	500						
26	U176	500						

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U177	500	P	S01				Container Storage
2	U178	500						
3	U179	500						
4	U180	500						
5	U181	500						
6	U182	500						
7	U183	500						
8	U184	500						
9	U185	500						
10	U186	500						
11	U187	500						
12	U188	500						
13	U189	500						
14	U190	500						
15	U191	500						
16	U192	500						
17	U193	500						
18	U194	500						
19	U196	500						
20	U197	500						
21	U200	500						
22	U201	500						
23	U202	500						
24	U203	500						
25	U204	500						
26	U205	500						

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U206	500	P	S01	Container Storage
2	U207	500			
3	U208	500			
4	U209	500			
5	U210	500			
6	U211	500			
7	U212	500			
8	U213	500			
9	U214	500			
10	U215	500			
11	U216	500			
12	U217	500			
13	U218	500			
14	U219	500			
15	U220	500			
16	U221	500			
17	U222	500			
18	U223	500			
19	U225	500			
20	U226	500			
21	U227	500			
22	U228	500			
23	U230	500			
24	U231	500			
25	U232	500			
26	U233	500			

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA789000897

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter codes)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter codes)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U234	500	P	S01	Container Storage
2	U235	500			
3	U236	500			
4	U237	500			
5	U238	500			
6	U239	500			
7	U240	500			
8	U241	500			
9	U242	500			
10	U243	500			
11	U244	500			
12	U245	500			
13	U246	500			
14	U247	500			
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	P001	500	P	S01	Container Storage
2	P002	500			
3	P003	500			
4	P004	500			
5	P005	500			
6	P006	500			
7	P007	500			
8	P008	500			
9	P009	500			
10	P010	500			
11	P011	500			
12	P012	500			
13	P013	500			
14	P014	500			
15	P015	500			
16	P016	500			
17	P017	500			
18	P018	500			
19	P020	500			
20	P021	500			
21	P022	500			
22	P023	500			
23	P024	500			
24	P025	500			
25	P026	500			
26	P027	500			

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter codes)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	P028	500	P	S01	Container Storage
2	P029	500			
3	P030	500			
4	P031	500			
5	P033	500			
6	P034	500			
7	P035	500			
8	P036	500			
9	P037	500			
10	P038	500			
11	P039	500			
12	P040	500			
13	P041	500			
14	P042	500			
15	P043	500			
16	P044	500			
17	P045	500			
18	P046	500			
19	P047	500			
20	P048	500			
21	P049	500			
22	P050	500			
23	P051	500			
24	P054	500			
25	P056	500			
26					

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P057	500	P	S01				Container Storage
2	P058	500						
3	P059	500						
4	P060	500						
5	P062	500						
6	P063	500						
7	P064	500						
8	P065	500						
9	P066	500						
10	P067	500						
11	P068	500						
12	P069	500						
13	P070	500						
14	P071	500						
15	P072	500						
16	P073	500						
17	P074	500						
18	P075	500						
19	P076	500						
20	P077	500						
21	P078	500						
22	P079	500						
23	P081	500						
24	P082	500						
25	P084	500						
26	P085	500						

Continued from page 2.
NOTE. Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER (enter from page 1): WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P087	500	P	S01	Container Storage
2	P088	500			
3	P089	500			
4	P092	500			
5	P093	500			
6	P094	500			
7	P095	500			
8	P096	500			
9	P097	500			
10	P098	500			
11	P099	500			
12	P101	500			
13	P102	500			
14	P103	500			
15	P104	500			
16	P105	500			
17	P106	500			
18	P107	500			
19	P108	500			
20	P109	500			
21	P110	500			
22	P111	500			
23	P112	500			
24	P113	500			
25	P114	500			
26	P115	500			

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 dangerous waste that may be received at TRUSAF could be any of the listed or characteristic waste as defined by the Resource Conservation and Recovery Act and the Washington Administrative Code 173-303. The actual type and quantities of dangerous waste are gross estimates. The dangerous waste is generated nationally by various U.S. Department of Energy processing facilities. This permit application includes a complete list of potential wastes because of the uncertainty as to the specific waste types of the mixed wastes to be received at TRUSAF.

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

[X] 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)*	SIGNATURE	DATE SIGNED
John D. Wagoner Manager, Richland Operations United States Department of Energy	John D. Wagoner	10/22/90

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		

 CONTINUE ON PAGE 5

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.

John D. Wagoner — 10/22/90

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

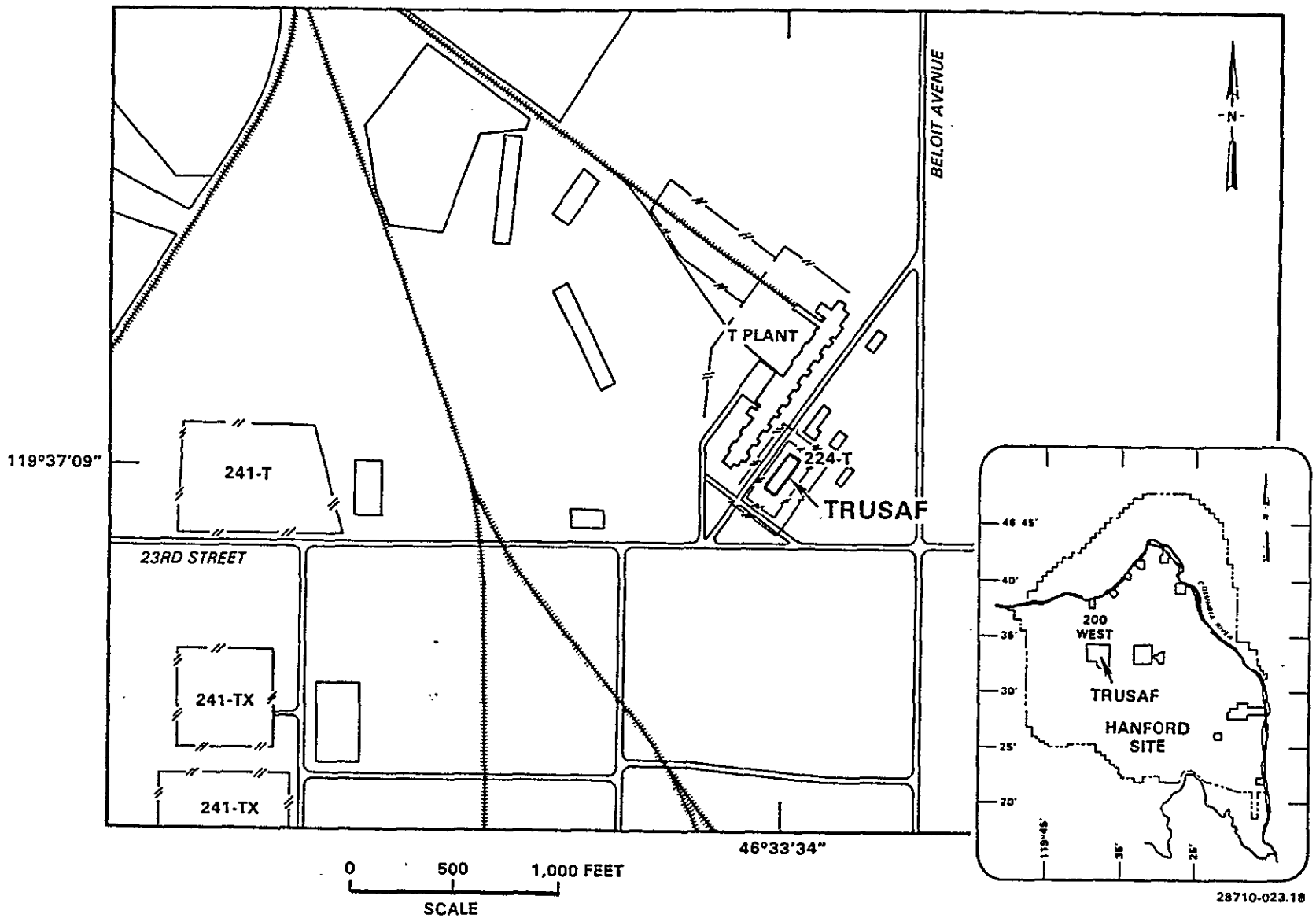
Date

Roger C. Nichols — Oct. 11, 1990

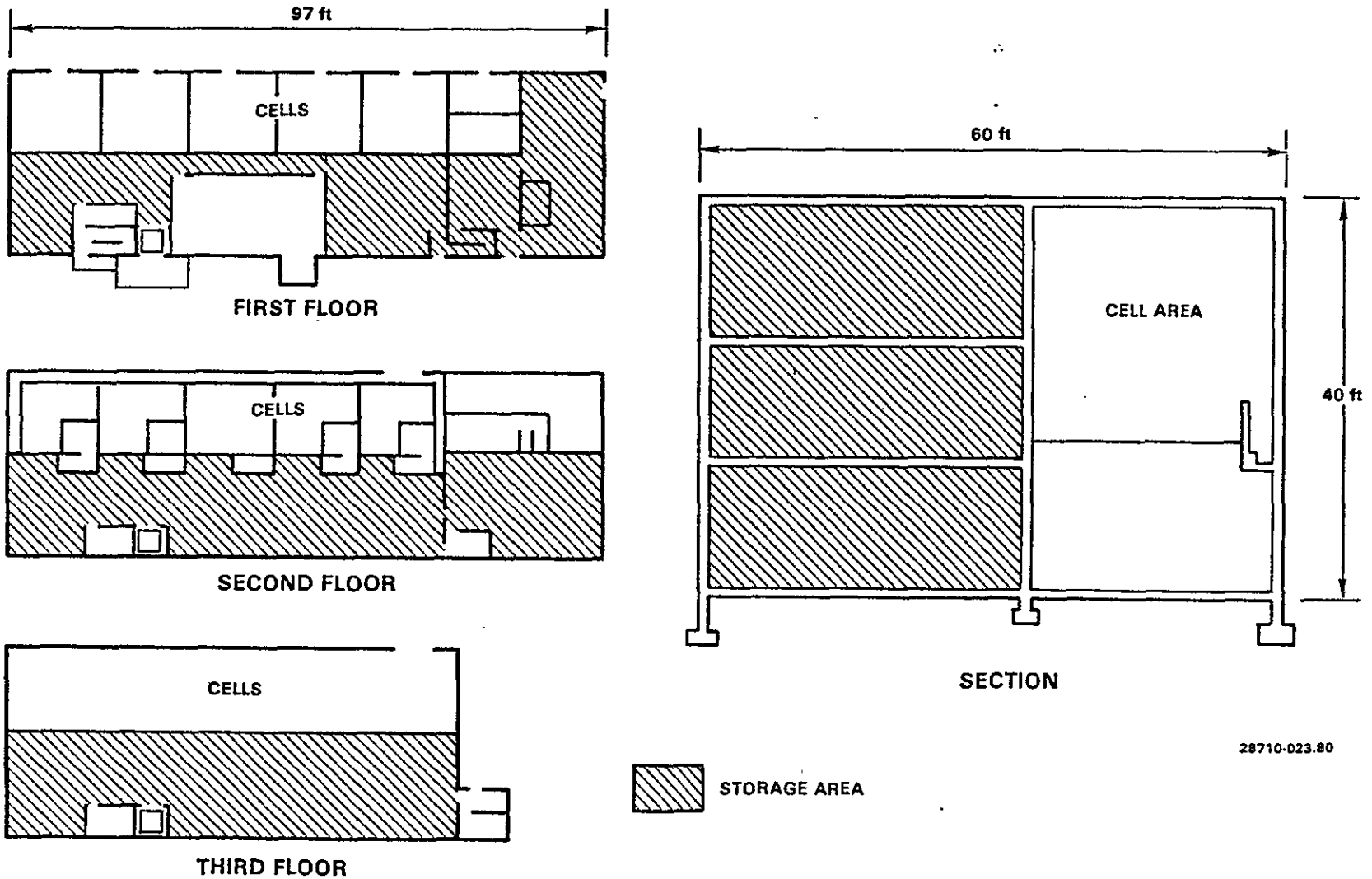
Co-operator
Roger C. Nichols, President
Westinghouse Hanford Company

Date

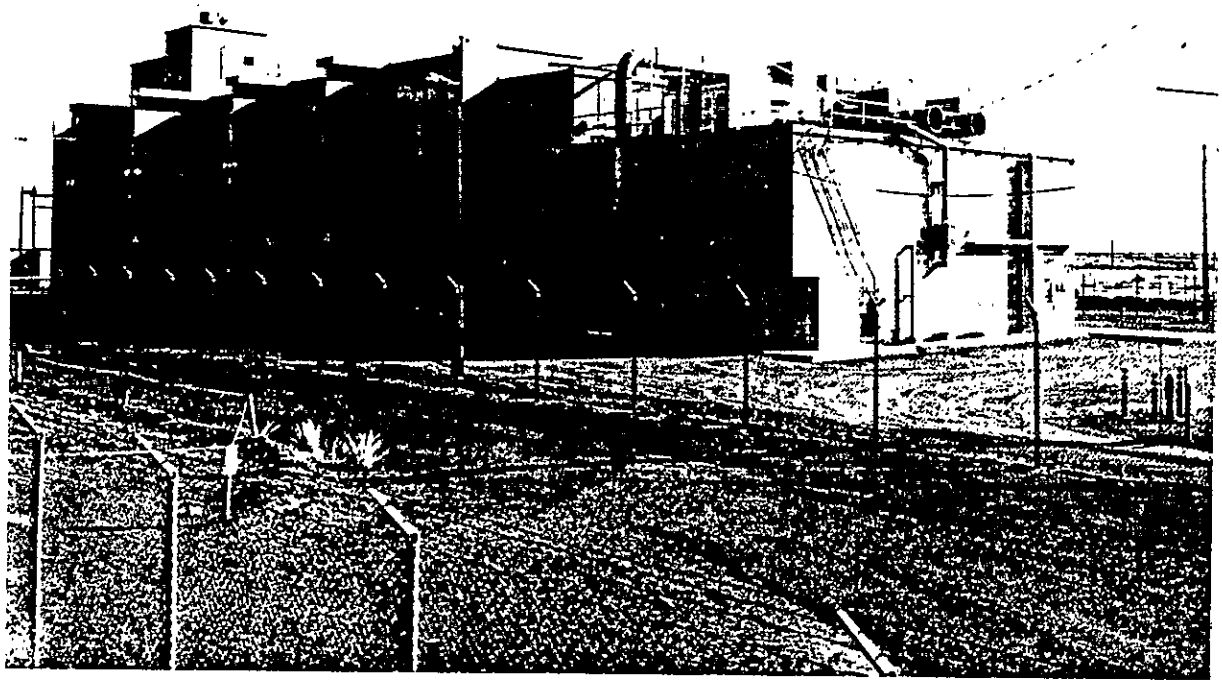
224-T BUILDING
TRUSAF
SITE PLAN



244-T BUILDING
TRUSAF STORAGE AREAS



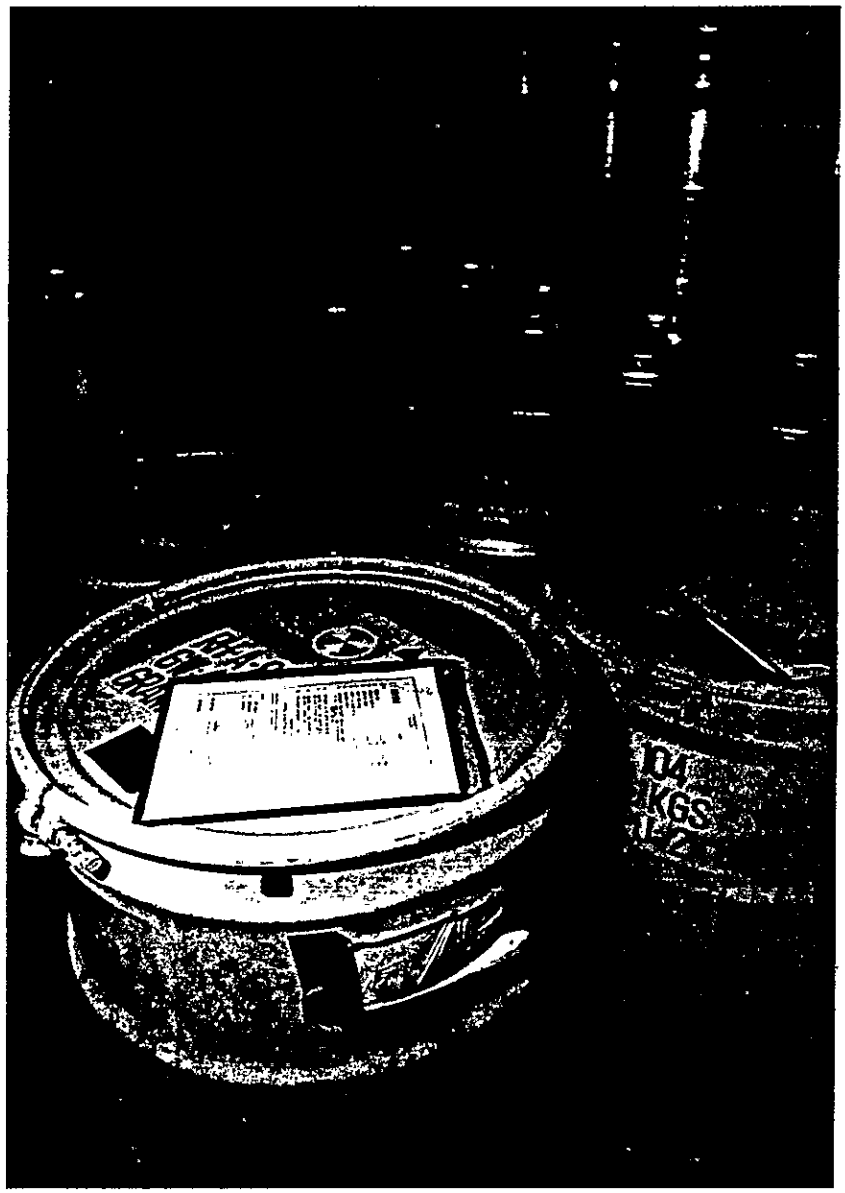
224-T BUILDING TRUSAF



46°33'34"
119°37'09"

8706421-11CN
(PHOTO TAKEN 1987)

224-T BUILDING TRUSAF - INTERNAL VIEW



46°33'34"
119°37'09"

8700742-16CN
(PHOTO TAKEN 1987)