0010677

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

START

90-PPB-145

AUG 24 1990

SEP 1990 RECEIVED EDMC

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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 HANFORD DANGEROUS WASTE PART A PERMIT APPLICATION (WA7890008967) (D-6-1)

Enclosed is the Dangerous Waste Part A Permit Application, Form 3, Revision 3, for the Nonradioactive Dangerous Waste Landfill (NRDWL). The NRDWL was used for the disposal of nonradioactive dangerous waste that was generated by various Hanford Site facilities. The NRDWL is located in the 600 Area of the Hanford Site.

The Form 3, Revision 3, for the NRDWL has been revised to update the process description, add 39 dangerous waste codes and their estimated annual quantities of dangerous waste, eliminate Dangerous Waste Code U037, revise the description of dangerous waste, and add a new facility drawing and photographs. The addition of the 39 dangerous waste codes is in compliance with the Washington State Dangerous Waste Regulation 173-303-805. This regulation requires a revised Part A permit application to include any dangerous waste that may be treated, stored, or disposed of at a facility with interim status that has not been previously identified. The above changes are based on an evaluation performed in support of the NRDWL Closure/Postclosure Plan which is to be submitted to the State of Washington Department of Ecology by August 31, 1990 (Hanford Federal Facility Agreement and Consent Order Milestone M-20-07).

In addition five new dangerous waste codes (D018, D019, D022, D039, and D040) with their estimated annual quantities of dangerous waste, have been added to this permit application revision 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). 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 are toxic when characteristics are above TCLP limits. Based on an evaluation of the data provided by the closure plan, the above five dangerous waste codes were added to this permit application.

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

Sincerely,

for 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 the NRDWL

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

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NONRADIOACTIVE DANGEROUS WASTE LANDFILL PART A PERMIT APPLICATION REVISION EXPLANATION (D-6-1)

This Part A permit application consists of a Form 1 (not revised) and a Form 3 that describes the Nonradioactive Dangerous Waste Landfill (NRDWL) in general terms. The Part A permit application, Form 3, for the NRDWL has been revised to update the process description, add 39 dangerous waste codes and their estimated annual quantities of dangerous waste, delete dangerous waste code U037 (chlorobenzene), revise the description of dangerous waste, and add a new facility drawing and photographs that were not identified on the existing Form 3, Revision 2. These revisions are based on data obtained for the NRDWL Closure/Postclosure Plan (closure plan) which is scheduled to be approved and sent to the Washington State Department of Ecology by August 31, 1990 (Hanford Federal Facility Agreement and Consent Order Milestone M-20-07).

In addition five new dangerous waste codes (D018, D019, D022, D039, and D040) with their estimated annual quantities of dangerous waste, have been added to this permit application revision 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). 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 are toxic when characteristics are above TCLP limits.

The following is an overview of changes incorporated into the NRDWL 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 the NRDWL. Blocks A and B have no changes. Section III.C, "Process Description," was revised to include the size of the NRDWL trenches and identification of the trenches that were used to dispose of the dangerous waste. Additional details of the processes are provided in this section.

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Section IV — Description of Dangerous Waste - This Section describes the dangerous wastes that were disposed of at the NRDWL. Blocks A and B identify the 39 dangerous waste codes and their estimated annual quantities of dangerous waste. Dangerous waste code U037 (chlorobenzene) has been deleted. The 39 dangerous waste codes were added in compliance with the Washington State Dangerous Waste Regulation 173-303-805. This regulation requires a revised Part A permit application to include any dangerous waste that may be treated, stored, or disposed of at a facility with interim status that has not been previously identified. These revisions are based on data obtained for the closure plan. Five new dangerous waste codes (D018, D019, D022, D039, and D040) with their estimated annual quantities of dangerous waste, have been added to this permit application based on the TCLP requirements. Table 1 of this explanation provides a definition of the dangerous waste codes, estimated annual quantities of dangerous waste, and description of chemical constituents. Blocks C and D have no changes. Section IV.E., "Description of Dangerous Waste," provides additional details of the dangerous waste disposed of in the NRDWL.

Section V — Facility Drawing - The NRDWL drawing has been modified based on data provided by the closure plan.

Section VI — Photographs - An aerial photograph and an updated photograph of the NRDWL have been included in this permit application.

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.

The Manager of U.S. Department of Energy-Richland Operations Office was changed from Michael J. Lawrence to John D. Wagoner.

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Section X

Operator Certification - An attachment is provided to the Form 3 to be signed by the President, Westinghouse Hanford Company, as co-operator, and the Manager, U.S. Department of Energy-Richland Operations Office, as owner/operator. These signatures certify that the information is true, accurate, and complete.

The President of Westinghouse Hanford Company was changed from William M. Jacobi to Roger C. Nichols.

The Manager of U.S. Department of Energy-Richland Operations Office was changed from Michael J. Lawrence to John D. Wagoner.

Since the applicability and implementation of Secretary of Energy Notice 22-90, dated May 8, 1990, is being discussed by the Westinghouse Electric Corporation and the U.S. Department of Energy (DOE) Headquarters, this permit application is unsigned. The WHC is forwarding this permit application so that the DOE-Richland Operations Office may review the technical portions of this permit application and be ready to immediately implement the results of the discussions.

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TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste Number*	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents***
D001	24,345**	Dangerous waste that exhibits characteristics of ignitibility (e.g., formaldehyde)
D002	13,433**	Dangerous waste that exhibits characteristics of corrosivity (e.g., formic acid)
D003	17,630**	Dangerous waste that exhibits characteristics of reactivity (e.g., cyanides)
D004	1.5**	Arsenic
D005	13**	Barium
D006*	933**	Cadmium
D007	172**	Chromium
D008	120**	Lead
D009	102**	Mercury
D010	30	Selenium
D011	1**	Silver
D018*	305**	Benzene***
D019*	94**	Carbon tetrachloride***
D022*	31**	Chloroform***

* - New Dangerous Waste code number per WAC 173-303-805.

** - New Estimated Annual Quantity of Dangerous Waste (kilograms).

*** - New Dangerous Waste code number per EPA Final Rule, Toxicity Characteristics Leaching Procedure, dated March 29, 1990.

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste Number*	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents***
D039*	205**	Tetrachloroethylene***
D040*	631**	Trichloroethylene***
F001	960**	Spent halogenated solvents used in degreasing (e.g., carbon tetrachloride)
F002	86**	Spent halogenated solvents (e.g., tetrachloroethylene)
F003	92**	Spent nonhalogenated solvents (e.g., xylene)
F004*	8**	Spent nonhalogenated solvents (e.g., nitrobenzene)
F005*	3,622**	Spent nonhalogenated solvents (e.g., methyl ethyl ketone)
U001*	4**	Acetaldehyde
U002*	25**	Acetone
U003*	5**	Acetonitrile
U009*	1**	Acrylonitrile
U012*	11**	Aniline
U019	362**	Benzene
U022*	180**	Benzopyrene

* - New Dangerous Waste code number per WAC 173-303-805.

** - New Estimated Annual Quantity of Dangerous Waste (kilograms).

*** - New Dangerous Waste code number per EPA Final Rule, Toxicity Characteristics Leaching Procedure, dated March 29, 1990.

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste Number*	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents
U031*	6**	Butanol
U044	44**	Chloroform
U051	20	Creosote
U053*	1**	Crotonaldehyde
U056*	13**	Cyclohexane
U069*	3**	Dibutyl phthalate
U070*	2**	Dichlorobenzene
U077*	10**	Ethylene dichloride
U080*	50**	Methylene chloride
U092*	6,800**	Dimethylamine
U093*	6**	Dimethylaminoazobenzene
U107*	120**	Di-n-octyl phthalate
U108	80**	1,4-Dioxane
U177*	15**	Ethyl ether
U122	31**	Formaldehyde
U123	82**	Formic acid
U133	315**	Hydrazine

* - New Dangerous Waste code number per WAC 173-303-805.

** - New Estimated Annual Quantity of Dangerous Waste (kilograms).

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste Number*	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents
U134	39**	Hydrofluoric acid
U142	1**	Kepone
U144*	9**	Lead acetate
U151	156**	Mercury
U154*	21**	Methyl alcohol
U159	203**	Methyl ethyl ketone
U161*	10**	Methyl isobutyl ketone
U169*	8**	Nitrobenzene
U188	3**	Phenol
U196*	12**	Pyridine
U201*	1**	Resorcinol
U210*	205**	Tetrachloroethylene
U211	94**	Carbon tetrachloride
U213*	157**	Tetrahydrofuran
U219*	13**	Thiourea
U220	3,404**	Toluene
U226	1**	1,1,1-Trichloroethane

* - New Dangerous Waste code number per WAC 173-303-805.

** - New Estimated Annual Quantity of Dangerous Waste (kilograms).

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TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste Number*	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents
U228	632**	Trichloroethene
U239	14**	Xylene
P010*	1**	Arsenic acid
P012*	1**	Arsenic (III) oxide
P022*	2**	Carbon disulfide
P030*	1**	Cyanides (soluble cyanide salts)
P048*	5**	2,4-Dinitrophenol
P096*	11**	Phosphine
P098	3**	Potassium cyanide
P106	2**	Sodium cyanide

* - New Dangerous Waste code number per WAC 173-303-805.

** - New Estimated Annual Quantity of Dangerous Waste (kilograms).

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TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste Number*	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents
WT01*	29,770**	Toxic - Extremely hazardous waste (EHW) (e.g., dichloromethane)
WT02*	18,425**	Toxic - Dangerous waste (DW) (e.g., carbon tetrachloride)
WC01*	5,680**	Carcinogenic - EHW (e.g., carbon tetrachloride)
WC02*	3,380**	Carcinogenic - DW (e.g., dichloromethane)
WP01*	1,242**	Persistent - EHW (e.g., dichloromethane)
WP02*	55**	Persistent - DW (e.g., butyl alcohol)
WP03*	7**	Polycyclic aromatic hydrocarbons - EHW (e.g., dichlorobenzene, o-)

* - New Dangerous Waste code number per WAC 173-303-805.

** - New Estimated Annual Quantity of Dangerous Waste (kilograms).

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Please print or type in the unshaded areas only
(NA — 6 pica 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 date)

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

MO 0 1 | DAY | YR 7 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	Q

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	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		5				
X-2	T 0 3	20	E		6				
1	D 8 1	5	A		7				
2					8				
3					9				
4					10				

Continued from the front.

III. PROCESSES (continued)

2. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "D04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

D81

The Nonradioactive Dangerous Waste Landfill (NRDWL) is located approximately 3.5 miles southeast of the 200 East Area. The NRDWL was used for disposal of nonradioactive dangerous waste from January 1975 through May 1985. The NRDWL provided disposal of dangerous waste generated from process operations, research and development laboratories, maintenance activities, and transportation functions located throughout the Hanford Site. The NRDWL is a 10 acre land disposal unit that consists of 19 (trenches 18N, 24, and 32 were not used for disposal) unlined trenches approximately 400 feet long, 16 feet wide at the base, and 15 feet deep. Six trenches (trenches 19N, 26, 28, 31, 33, and 34) were used for disposal of dangerous waste. Asbestos was disposed of in nine trenches (trenches 2N, 20, 21, 22, 23, 25, 27, 29, and 30). Nonhazardous waste was disposed of in trench 1N. The dangerous waste trenches of NRDWL have a total design capacity of 5 acre-feet.

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 operations. 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)	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)

WA789000896 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)				2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D001	24,345	K	D81				Disposal/Landfill
2	D002	13,433						
3	D003	17,630						
4	D004	1.5						
5	D005	13						
6	D006	933						
7	D007	172						
8	D008	120						
9	D009	102						
10	D010	30						
11	D011	1						
12	D018	305						
13	D019	94						
14	D022	31						
15	D039	205						
16	D040	631						
17	F001	960						
18	F002	86						
19	F003	92						
20	F004	8						
21	F005	3,622						
22	U001	4						
23	U002	25						
24	U003	5						
25	U009	1						
26	U012	11						

9 1 1 1 8 9 2 1 2 7 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): WA789000896 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	U019	362	K	D81	Disposal/Landfill
2	U022	180			
3	U031	6			
4	U044	45			
5	U051	20			
6	U053	1			
7	U056	13			
8	U069	3			
9	U070	2			
10	U077	10			
11	U080	50			
12	U092	6,800			
13	U093	6			
14	U107	120			
15	U108	80			
16	U117	15			
17	U122	31			
18	U123	82			
19	U133	315			
20	U134	39			
21	U142	1			
22	U144	9			
23	U151	156			
24	U154	21			
25	U159	203			
26	U161	10			

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

I.D. NUMBER (enter from page 1): WA789000896 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	U169	8	K	D81	Disposal/Landfill
2	U188	3			
3	U196	12			
4	U201	1			
5	U210	205			
6	U211	94			
7	U213	157			
8	U219	13			
9	U220	3,404			
10	U226	1			
11	U228	632			
12	U239	14			
13	P010	1			
14	P012	1			
15	P022	2			
16	P030	1			
17	P048	5			
18	P096	11			
19	P098	3			
20	P106	2			
21					
22					
23					
24					
25					
26					

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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	WT01	29,770	K	D81	Disposal/Landfill
2	WT02	18,425			
3	WC01	5,680			
4	WC02	3,380			
5	WP01	1,242			
6	WP02	55			
7	WP03	7			
8					
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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 Nonradioactive Dangerous Waste Landfill (NRDWL) was used for the disposal of dangerous waste generated from various Hanford Site operations from January 1975 through May 1985. The NRDWL ceased receiving dangerous waste for disposal in May 1985. This waste consists of listed waste, waste from non-specific sources, characteristic waste, and state-only waste.

The quantities of waste identified in Description of Dangerous Waste, item IV. B., represent the estimated total quantity of waste disposed of in the NRDWL, rather than an annual estimate.

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	8/23/90

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

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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

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

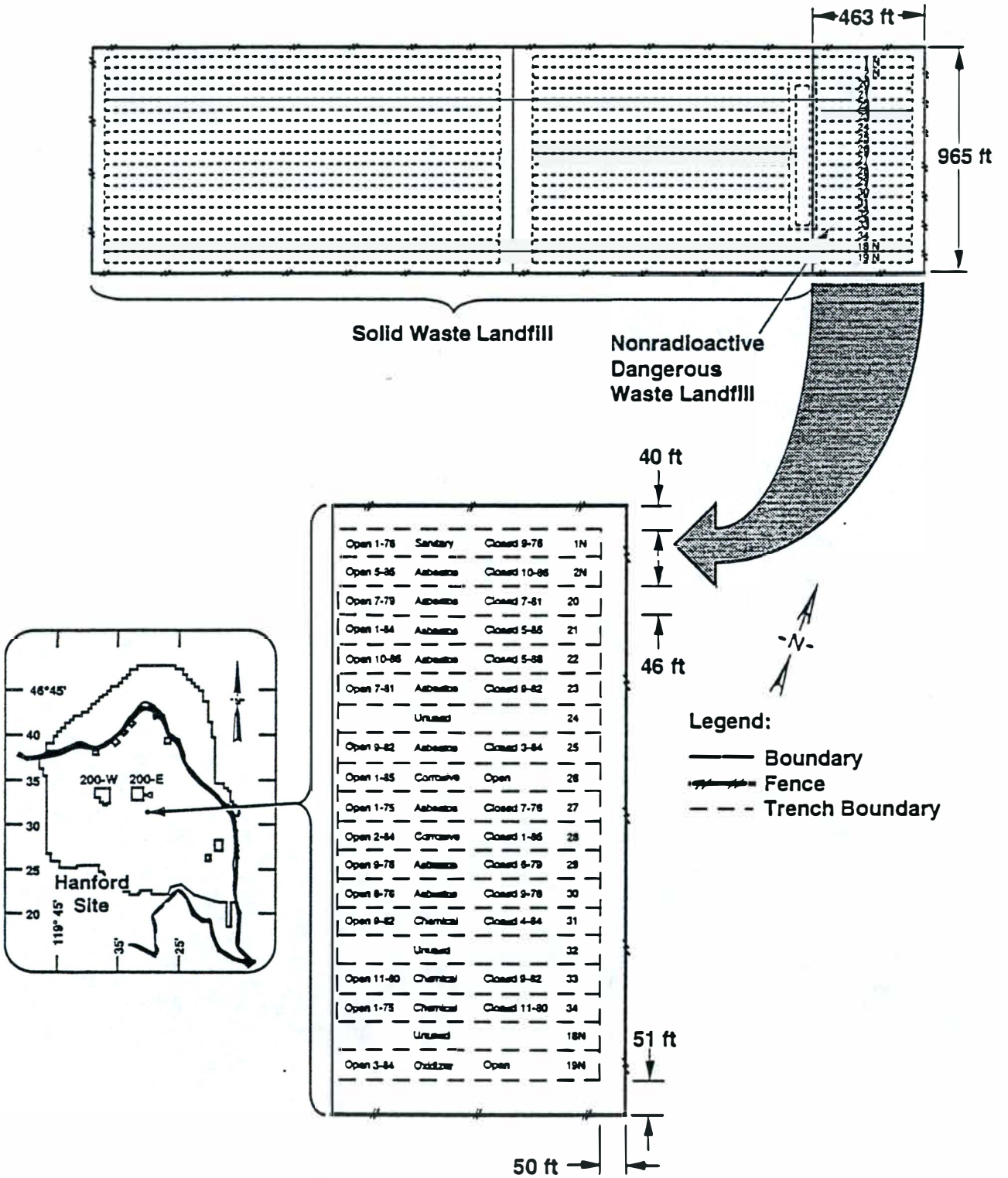
8/23/90
Date

Roger Nichols

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

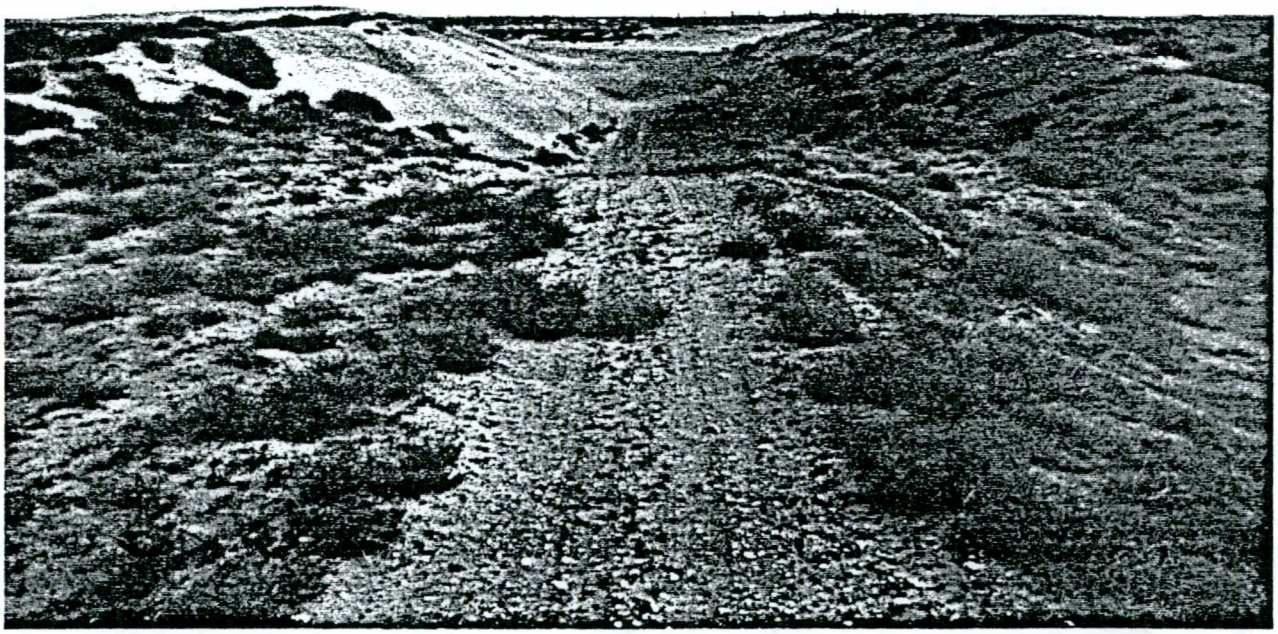
8/13/90
Date

9 1 1 1 8 9 2 1 2 8 1



9 1 1 1 8 9 2 1 2 8 2

NONRADIOACTIVE DANGEROUS WASTE LANDFILL-600 AREA



46°30'40"
119°27'50"

8505779-3CN
(PHOTO TAKEN 1985)

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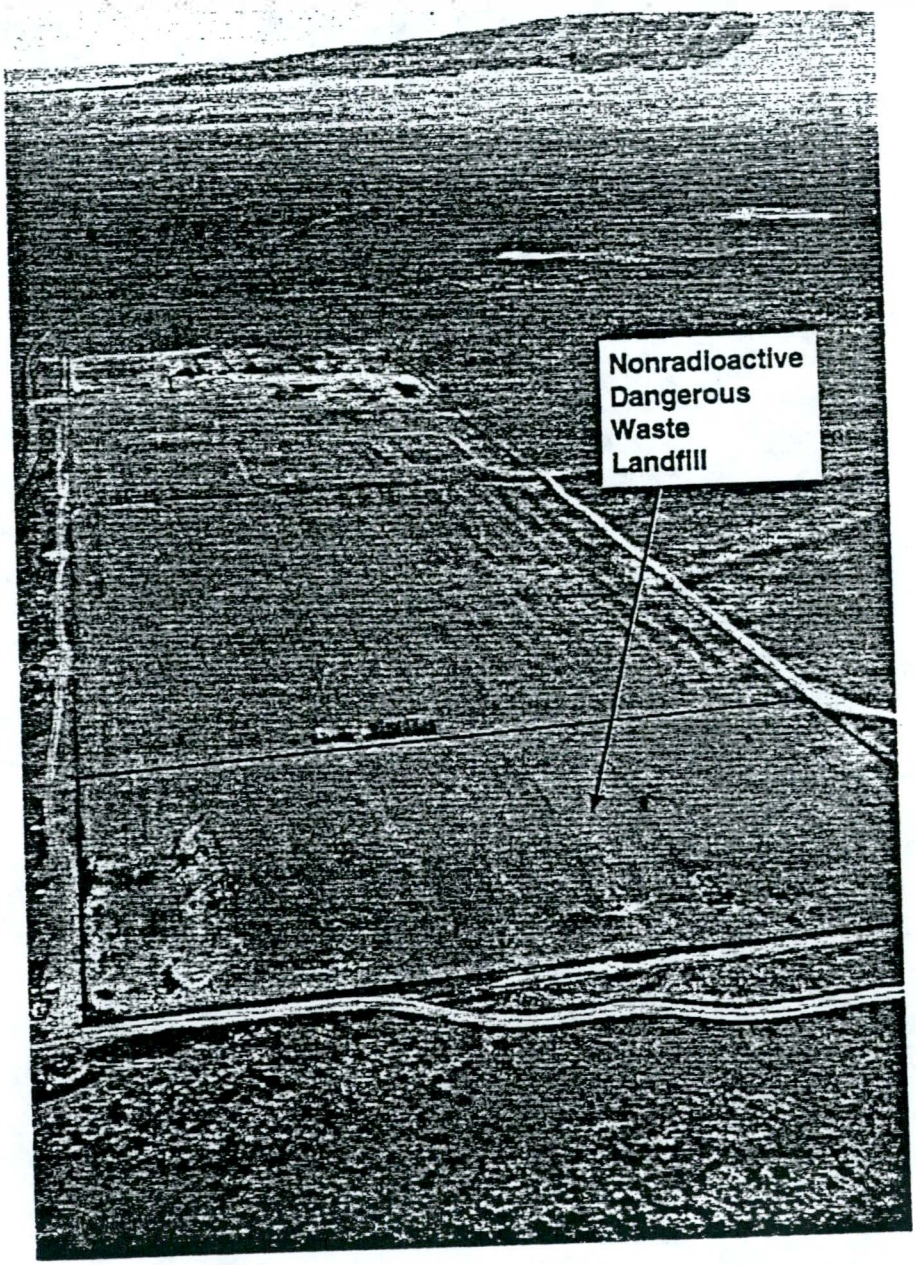
NONRADIOACTIVE DANGEROUS WASTE LANDFILL-AERIAL VIEW



46°30'40"
119°27'50"

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(PHOTO TAKEN 1990)

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Author	Addressee	Correspondence No.
J. F. Williams Jr., 376-4782	Mr. R. D. Izatt, DOE-RL	Incoming 9004013

Subject

REVISION TO THE PART A PERMIT FOR THE NONRADIOACTIVE DANGEROUS WASTE LANDFILL

Internal Distribution

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