



0070282

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

06-ESD-0144

JUL 21 2006

Ms. Greta Davis, RCRA Permitting Coordinator
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton Blvd
Richland, Washington 99352

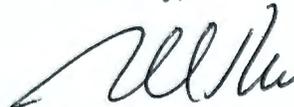
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AUG 07 2006
EDMC

Dear Ms. Davis:

REVISION 3 OF DANGEROUS WASTE PERMIT APPLICATION PART A FOR THE 303-M OXIDE FACILITY STAMPED "CLOSED"

The U. S. Department of Energy, Richland Operations Office (RL) is submitting the enclosed Revision 3 of Dangerous Waste Permit Application Part A for the 303-M Oxide Facility stamped "CLOSED" as requested in the Ecology letter to K. A. Klein, RL from F. W. Bond, "Request for Procedural Closure of 303-M Uranium Oxide Facility (T-3-2)," dated January 5, 2005. If you have any questions, please contact me, or your staff may contact Doug S. Shoop, Assistant Manager for Safety and Engineering, on (509) 376-0108.

Sincerely,

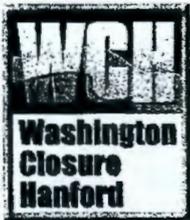

For Keith A. Klein
Manager

ESD:ACM

Enclosure

cc w/encl:

F. W. Bond (Ecology)
J. W. Golden (WCH)
J. A. Hedges (Ecology)
R. J. Landon (WCH)
M. L. Proctor (WCH)
S. A. Thompson (FHI)
Environmental Portal
Administrative Record



JUN 22 2006

128412

U.S. Department of Energy
Richland Operations Office
S. L. Sedgwick, Contracting Officer
Office of Environmental Services
P.O. Box 550, MSIN A7-80
Richland, Washington 99352

Subject: Contract No. DE-AC06-05RL14655
**DANGEROUS WASTE PERMIT APPLICATION PART A FORM FOR 303-M
OXIDE FACILITY STAMPED "CLOSED"**

Reference: Letter, F. W. Bond, Ecology, to K. A. Klein, RL, "Request for Procedural Closure of
303-M Uranium Oxide Facility (T-3-2) submitted in letter from K. Klein (USDOE) to
M. Wilson (Ecology), dated January 5, 2005," CCN 119518, dated March 8, 2005

Dear Ms. Sedgwick:

Washington Closure Hanford (WCH) is submitting the enclosed Revision 3 of Dangerous Waste
Permit Application Part A Form for the 303-M Oxide Facility stamped CLOSED (Attachment 1) for
transmittal to the Washington State Department of Ecology (Ecology). Ecology accepted the
termination of interim status for this unit and requested this submittal (reference). A draft transmittal
letter to Ecology (Attachment 2) is provided for your use.

If you have any questions, please contact Mr. Jim Golden, WCH, on 521-0877.

Sincerely,

P. L. Pettiette
President & Project Manager

MLP:lad

- Attachments: 1. Revision 3 of Dangerous Waste Permit Application Part A Form for the
303-M Oxide Facility stamped CLOSED
- 2. Draft transmittal letter to Ecology

cc: K. D. Bazzell (RL) A3-04
D. T. Evans (RL) A3-04
J. R. Franco (RL) A3-04

R. F. Guercia (RL) A3-04
A. C. McKarns (RL) A5-15

RECEIVED

JUN 26 2006

DOE-RL/RLCC

Attachment 1

**Revision 3 of Dangerous Waste Permit
Application Part A Form for the 303-M
Oxide Facility stamped CLOSED**

Unit Name:
Revision: 3

303-M Oxide Facility
Date: July 2005

	WASHINGTON STATE DEPARTMENT OF E C O L O G Y	Dangerous Waste Permit Application Part A Form
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Date Received	Reviewed by	Date	
Month Day Year	Approved by	Date	

Please refer to instructions for completing this form.

CLOSED

I. This form is submitted to: (place an "X" in the appropriate box)

<input checked="" type="checkbox"/>	Request modification to a final status permit (commonly called a "Part B" permit)
<input type="checkbox"/>	Request a change under interim status
<input type="checkbox"/>	Apply for a final status permit. This includes the application for the initial final status permit for a site or for a permit renewal (i.e., a new permit to replace an expiring permit).
<input type="checkbox"/>	Establish interim status because of the wastes newly regulated on: _____ (Date)

List waste codes:

II. EPA/State ID Number

W	A	7	8	9	0	0	0	8	6	7
---	---	---	---	---	---	---	---	---	---	---

III. Name of Facility

US Department of Energy - Hanford Facility

IV. Facility Location (Physical address not P.O. Box or Route Number)

A. Street

825 Jadwin

City or Town	State	ZIP Code
Richland	WA	99352

County Code (if known)	County Name
0 0 5	Benton

B. Land Type	C. Geographic Location Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	D. Facility Existence Date Month Day Year
F	S E E T O P O	M A P	0 3 0 2 1 9 4 3

V. Facility Mailing Address

Street or P.O. Box

P.O. Box 550

City or Town	State	ZIP Code
Richland	WA	99352

Unit Name:
Revision: 3

303-M Oxide Facility
Date: July 2005

VI. Facility contact (Person to be contacted regarding waste activities at facility)											
Name (last)						(first)					
Klein						Keith					
Job Title						Phone Number (area code and number)					
Manager						(509) 376-7395					
Contact Address											
Street or P.O. Box											
P.O. Box 550											
City or Town						State		ZIP Code			
Richland						WA		99352			
VII. Facility Operator Information											
A. Name						Phone Number (area code and number)					
Department of Energy * Owner/Operator						(509) 376-7375 *					
Washington Closure Hanford LLC** Co-Operator for						(509) 372-9951**					
Street or P.O. Box											
P.O. Box 550 *											
3070 George Washington Way**											
City or Town						State		ZIP Code			
Richland						WA		99352			
B. Operator Type		F									
C. Does the name in VII.A reflect a proposed change in operator?						<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No			
If yes, provide the scheduled date for the change:						Month		Day		Year	
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.						<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No			
VIII. Facility Owner Information											
A. Name						Phone Number (area code and number)					
Keith A. Klein, Operator/Facility-Property Owner*						(509) 376-7395*					
Street or P.O. Box											
P.O. Box 550											
City or Town						State		ZIP Code			
Richland						WA		99352			
B. Operator Type		F									
C. Does the name in VII.A reflect a proposed change in operator?						<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No			
If yes, provide the scheduled date for the change:						Month		Day		Year	
IX. NAICS Codes (5/6 digit codes)											
A. First						B. Second					
5	6	2	2	1		9	2	4	1	1	0
Waste Treatment & Disposal						Administration of Air & Water Resource & Solid Waste Management Programs					
C. Third						D. Fourth					
9	9	9	9	9	9	5	6	2	9	1	0
Unclassified Establishments						Remediation Services					

Unit Name:
Revision: 3

303-M Oxide Facility
Date: July 2005

X. Other Environmental Permits (see Instructions)

A. Permit Type	B. Permit Number	C. Description
		None

XI. Nature of Business (provide a brief description that includes both dangerous waste and non-dangerous waste areas and activities)

T03

The 303-M Oxide Facility began waste management operations in May of 1983 and is located in the 300 Area. The 303-M was used to treat mixed waste generated during fuel fabrication operations. During treatment, saw fines and lathe turnings known as chips, consisting of uranium and zirconium, were treated by incineration to eliminate their pyrophoric nature and to allow for transportation without the possibility of spontaneous combustion. The chips and fines were received in water-filled, 114-liter (30 gallon) containers that were drained, weighed, and prepared for the treatment process. Before treatment, the chips were reduced in size by a chip chopper. The chips and fines were incinerated in 2.3-kilogram (5 pound) batches. A maximum of 0.09 metric ton (0.10 ton) of waste per hour could be treated by incineration. The oxidized material was shipped to Westinghouse Material Company of Ohio where the material was used for the production of fissionable uranium.

The mixed waste treated at the 303-M Oxide Facility was designated as an ignitable waste (D001) due to its zirconium content, which was a pyrophoric material. The 303-M Oxide Facility could have treated 30,844 kilograms (68,000 pounds) of mixed waste per year.

Unit Name:
Revision: 3

303-M Oxide Facility
Date: July 2005

EXAMPLE FOR COMPLETING ITEMS XII and XIII (shown in lines numbered X-1, X-2, and X-3 below): A facility has two storage tanks that hold 1200 gallons and 400 gallons respectively. There is also treatment in tanks at 20 gallons/hr. Finally, a one-quarter acre area that is two meters deep will undergo *in situ* vitrification.

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes						
Line Number	A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number	A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	D. Process Description
	1	2	3	1. Amount	2. Unit of Measure (enter code)			1	2	3	1. Amount	2. Unit of Measure (enter code)		
X 1	S	0	2	1,600	G	002	X 1	T	0	4	700	C	001	In situ vitrification
X 2	T	0	3	20	E	001								
X 3	T	0	4	700	C	001								
1	T	0	3	.09	W		1							
2							2							
3							3							
4							4							
5							5							
6							6							
7							7							
8							8							
9							9							
1 0							1 0							
1 1							1 1							
1 2							1 2							
1 3							1 3							
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1 5							1 5							
1 6							1 6							
1 7							1 7							
1 8							1 8							
1 9							1 9							
2 0							2 0							
2 1							2 1							
2 2							2 2							
2 3							2 3							
2 4							2 4							
2 5							2 5							

Unit Name:

303-M Oxide Facility

Revision: 3

Date: July 2005

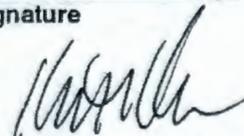
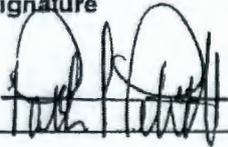
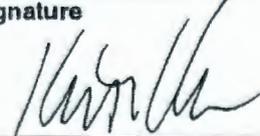
XV. Map
 Attach to this application a topographic map of the area extending to at least one (1) mile beyond property boundaries. The map must show the outline of the facility; the location of each of its existing and proposed intake and discharge structures; each of its dangerous waste treatment, storage, recycling, or disposal units; and each well where fluids are injected underground. Include all springs, rivers, and other surface water bodies in this map area, plus drinking water wells listed in public records or otherwise known to the applicant within 1/4 mile of the facility property boundary. The instructions provide additional information on meeting these requirements.

XVI. Facility Drawing
 All existing facilities must include a scale drawing of the facility (refer to instructions for more detail).

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

XVIII. Certifications

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<p>Operator* Name and Official Title (type or print) Keith A. Klein, Manager U.S. Department of Energy Richland Operations Office</p>	<p>Signature </p>	<p>Date Signed 8/25/05</p>
<p>Co-Operator** Name and Official Title (type or print) Patrick L. Pettiette Project Manager Washington Closure Hanford LLC</p>	<p>Signature </p>	<p>Date Signed 8-7-05</p>
<p>Co-Operator** – Address and Telephone Number 3070 George Washington Way Richland, WA 99352 (509) 372-9951</p>		
<p>Facility-Property Owner* Name and Official Title (type or print) Keith A. Klein, Manager U.S. Department of Energy Richland Operations Office</p>	<p>Signature </p>	<p>Date Signed 8/25/05</p>

Unit Name:
Revision: 3

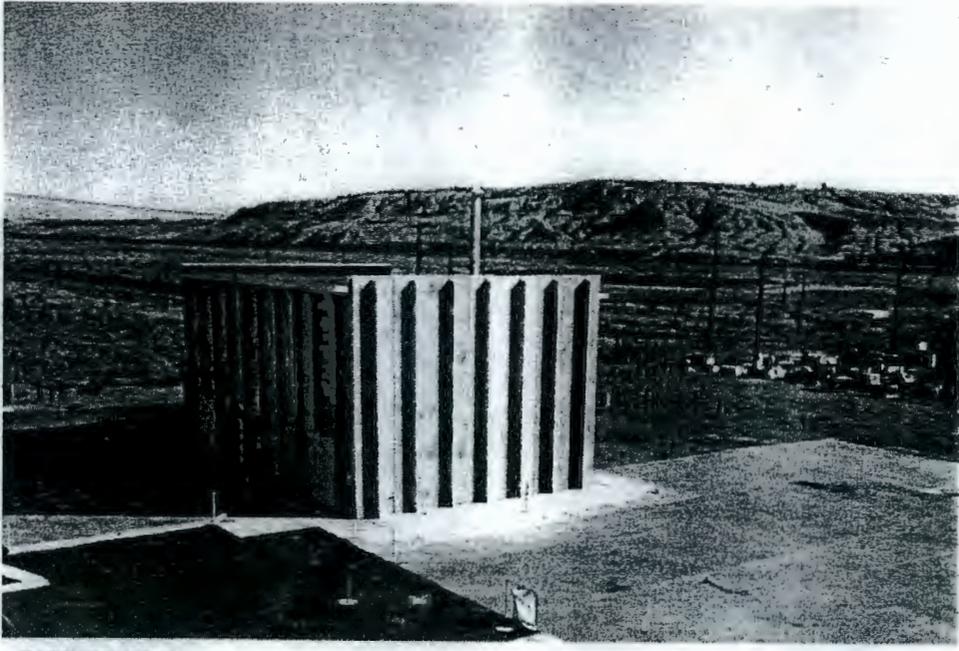
303-M Oxide Facility
Date: July 2005

Comments

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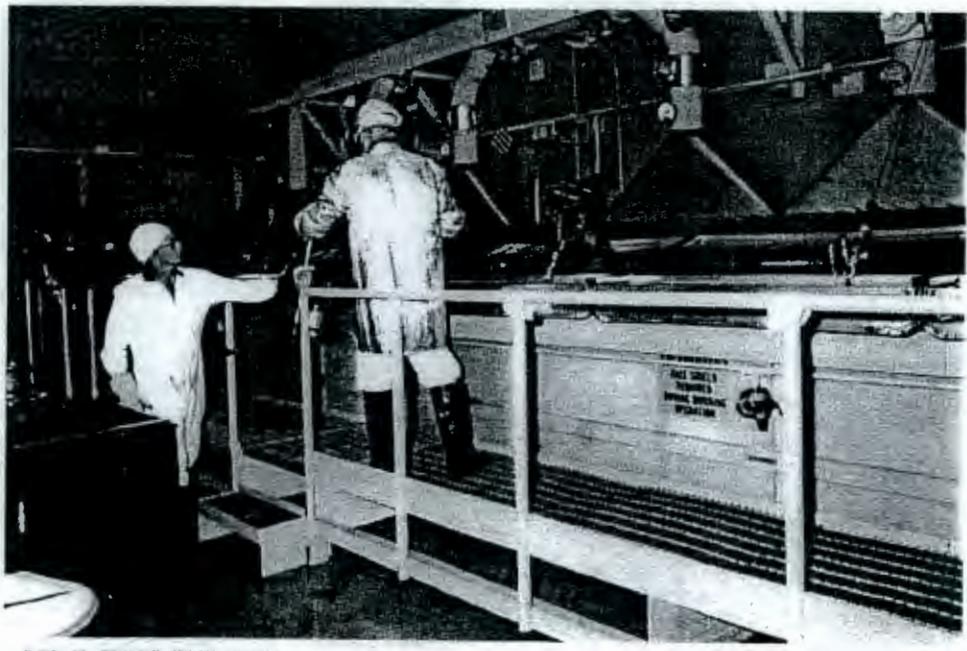
Unit Name:
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303-M Oxide Facility
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INCINERATOR

8304810-36CN
(PHOTO TAKEN 1983)

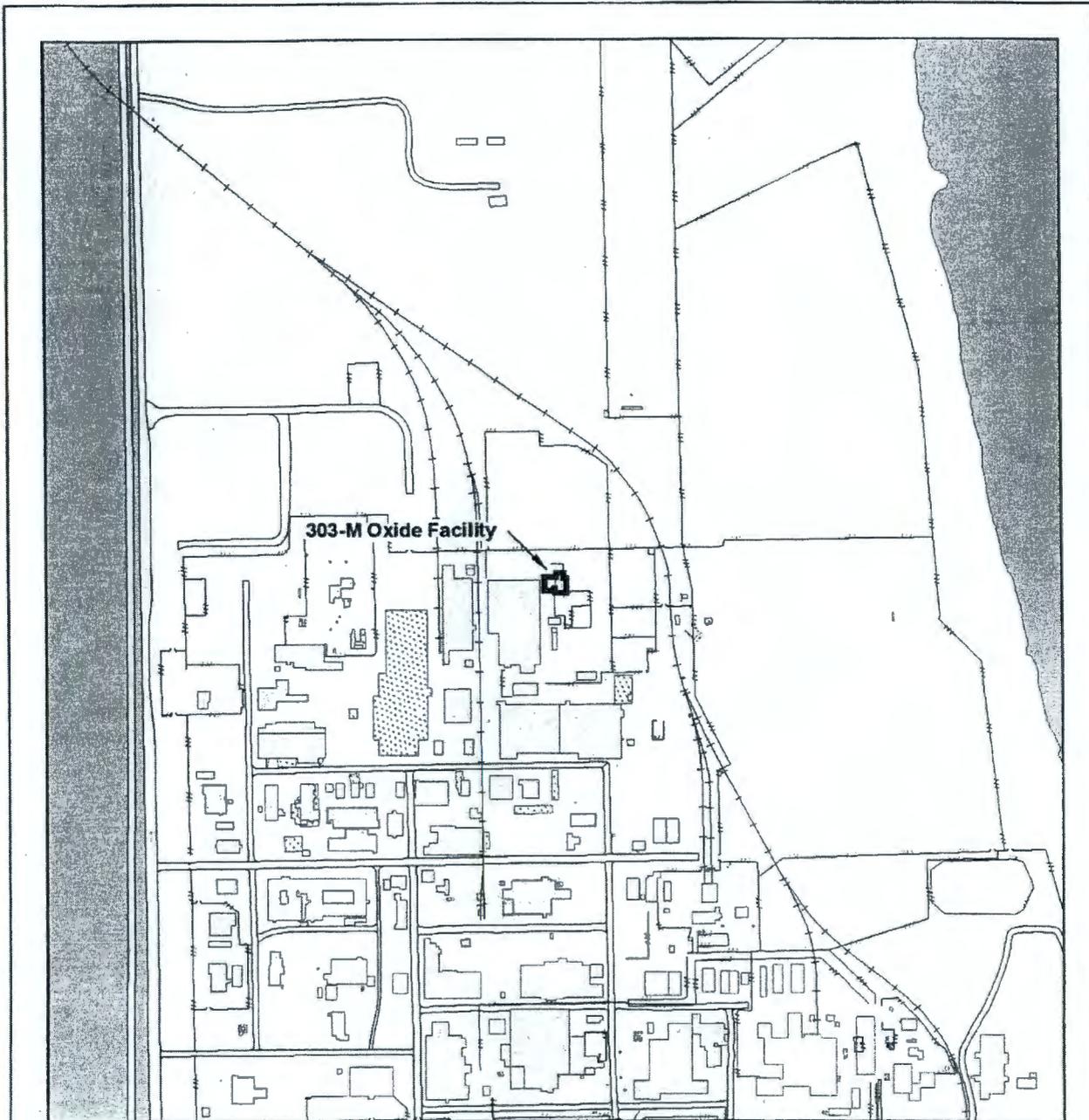


303-M OXIDE BUILDING

8306387-3CN
(PHOTO TAKEN 1983)

Unit Name:
Revision: 3

303-M Oxide Facility
Date: July 2005



303-M Oxide Facility

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

Created and Published by: Central Mapping Services
Fluor Hanford, Richland, WA (509) 376-8759

INTENDED USE: REFERENCE ONLY



- TSD Unit Boundary
- DOE Operating Areas
- Hanford Facility
- Columbia River
- Major Roads
- Service Roads
- Buildings and Mobiles
- Structures
- Concrete
- Railroads
- Fences



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Unit Name:
Revision: 3

303-M Oxide Facility
Date: July 2005

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