

1 **Chapter 1.0** **Part A Form**

2 1.0 PART A FORM..... 1.i

3

9/30/2005

WA7890008967, Part V, Closure Unit 1
1325-N Liquid Waste Disposal Facility

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|---|---|---|--|---------------------------------|---|-----------------------------------|-----------------|------|---|---|---|---|---|---|---|---|---|---|
|  WASHINGTON STATE DEPARTMENT OF E C O L O G Y | | Dangerous Waste Permit Application Part A Form | | | | | | | | | | | | | | | | |
| Date Received | | Reviewed by: <i>J.P. Davis</i> | Date: 1 0 2 6 2 0 0 5 | | | | | | | | | | | | | | | |
| Month | Day | Year | Approved by: <i>J.P. Davis</i> Date: 1 0 2 6 2 0 0 5 | | | | | | | | | | | | | | | |
| 1 | 0 | 1 | 2 | 2 | 0 | 0 | 5 | | | | | | | | | | | |
| 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 | 9 | 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 | | | | D. Facility Existence Date | | | | | | | | | | | | |
| | | Latitude (degrees, mins, secs) | | Longitude (degrees, mins, secs) | | Month | Day | Year | | | | | | | | | | |
| F | S | E | E | T | O | P | O | M | A | P | 0 | 3 | 2 | 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 | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|-----------------|---|-------------|---|--|
| 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 Washington Closure Hanford LLC.** Co-Operator for 1325-N Liquid Waste Disposal Facility | | | | | | (509) 376-7395* (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 | 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 | Remediation Services |

| X. Other Environmental Permits (see instructions) | | | | | | | | | | | | | | | |
|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|--|-----------------------|------|
| A. Permit Type | | | B. Permit Number | | | | | | | | | | | C. Description | |
| | | | | | | | | | | | | | | | None |
| | | | | | | | | | | | | | | | |
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XI. Nature of Business (provide a brief description that includes both dangerous waste and non-dangerous waste areas and activities)

The 1325-N LWDF was used for the disposal of liquid waste from N reactor. The waste consisted of waste from nonspecific sources and listed waste (F003), toxicity characteristic waste (D006, D008, and D009), characteristic waste (D002), and state-only toxic waste (WT02).

D83

The 1325-N Liquid Waste Disposal Facility (LWDF) was used from 1985 to April 1991. The LWDF received nonregulated mixed process and cooling waters from N Reactor. The LWDF also received dangerous waste generated from laboratories and may have received waste from spills from within the N Reactor Building, which was discharged through the mixed waste drain system. The dangerous waste discharges consisted of less than 0.002% of the total volume of the waste discharged to the LWDF. The LWDF was a percolation unit designed for the disposal of liquid waste through the soil column. The process design capacity for the 1325-N LWDF was 16,353,000 liters (4,320,000 gallons) per day. The process design capacity reflects the maximum volume of water discharged daily basis rather than the physical capacity of the LWDF. The influent pipes between the 1325-N and the 1301-N LWDFs are considered to be included within the treatment, storage, and disposal unit boundary

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 1 | D | 8 | 3 | 4,320,000 | U | 001 | 1 | | | | | | | | |
| 1 2 | | | | | | | 2 | | | | | | | | |
| 1 3 | | | | | | | 3 | | | | | | | | |
| 1 4 | | | | | | | 4 | | | | | | | | |
| 1 5 | | | | | | | 5 | | | | | | | | |
| 1 6 | | | | | | | 6 | | | | | | | | |
| 1 7 | | | | | | | 7 | | | | | | | | |
| 1 8 | | | | | | | 8 | | | | | | | | |
| 1 9 | | | | | | | 9 | | | | | | | | |
| 1 0 | | | | | | | 1 0 | | | | | | | | |
| 1 1 | | | | | | | 1 1 | | | | | | | | |
| 1 2 | | | | | | | 1 2 | | | | | | | | |
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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 | | | | | | | | |

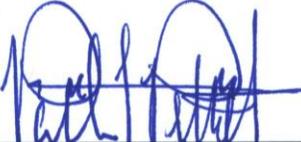
XV. Map
 Attach to this application a topographic map of the area extending to at least one (1) mile beyond property boundaries. The map must show the outline of the facility; the location of each of its existing and proposed intake and discharge structures; each of its dangerous waste treatment, storage, 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 ¼ 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

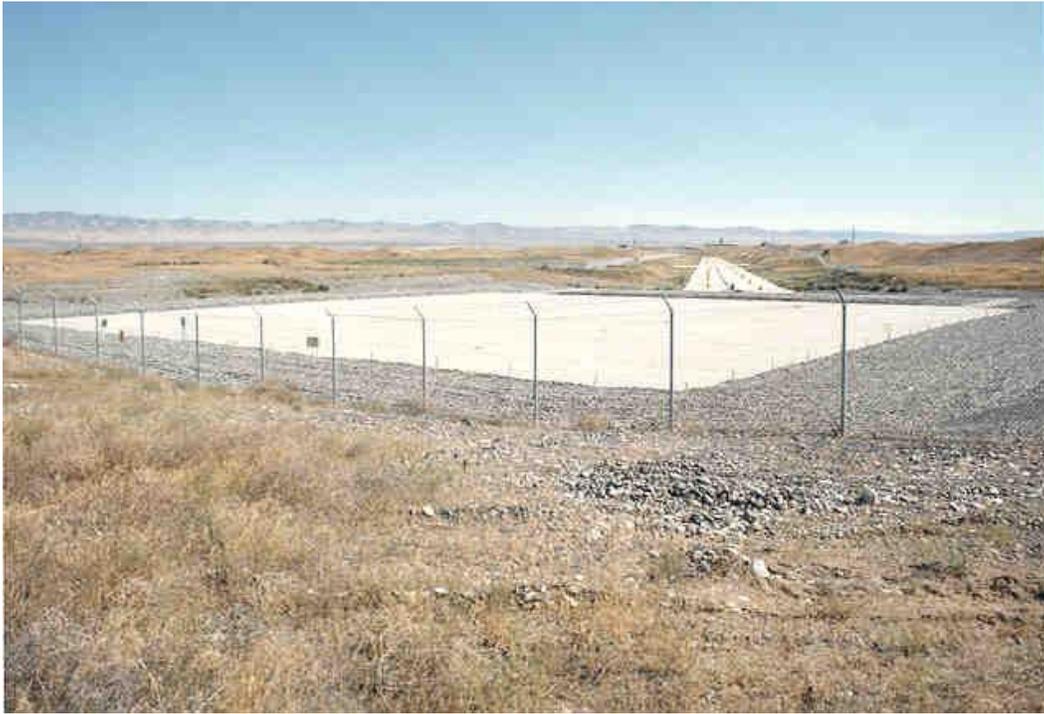
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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 9/2/05</p> |
| <p>Co-Operator** Name and Official Title (type or print) Patrick L. Pettiette, President Washington Closure Hanford LLC</p> | <p>Signature </p> | <p>Date Signed 8-25-05</p> |
| <p>Co-Operator** – Address and Telephone Number 3070 George Washington Way Richland, WA 99354 (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 9/2/05</p> |

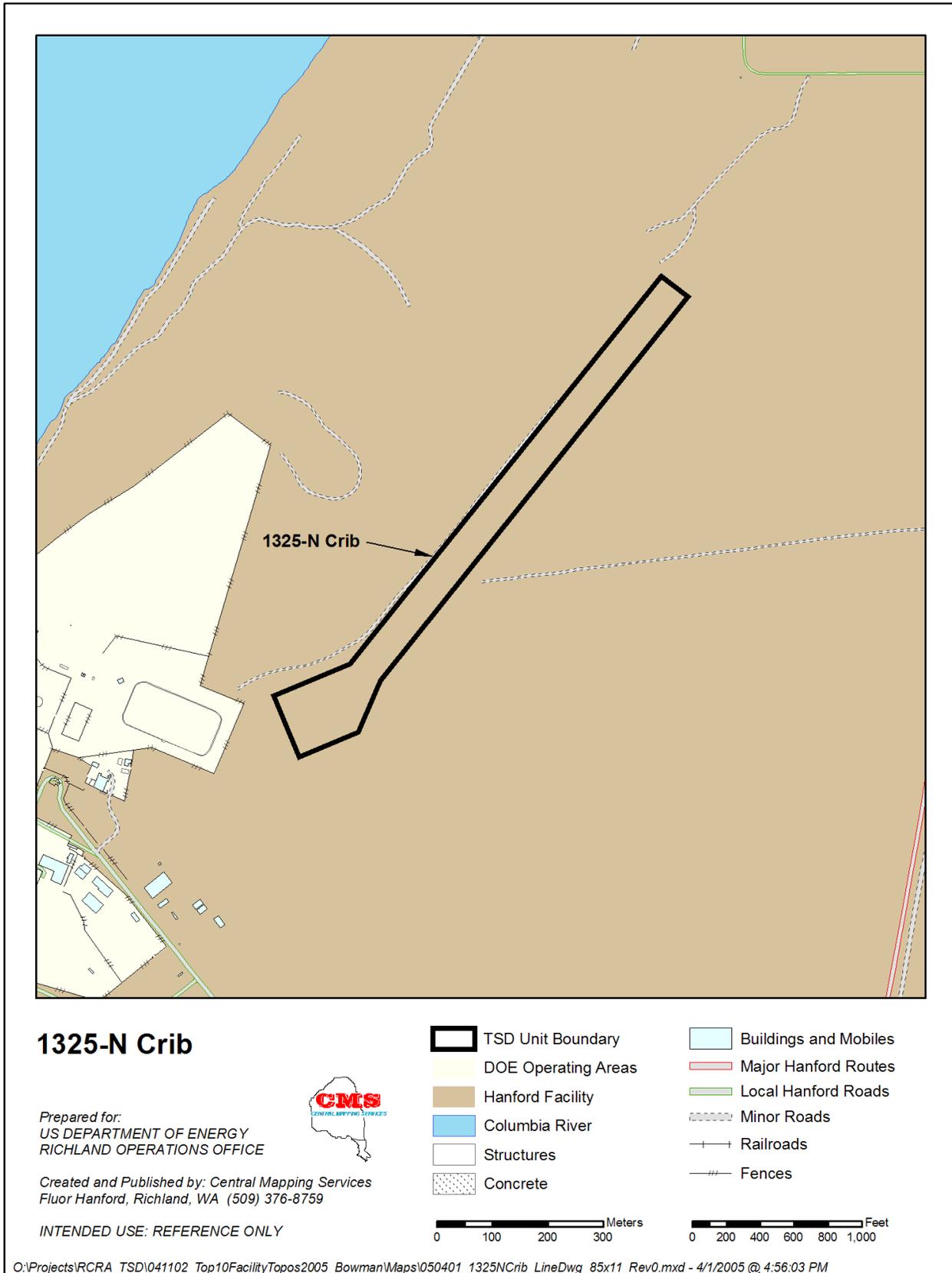
Comments

On December 27, 2000, Ecology granted a contained-in determination for F003 (methanol) contaminated soil and debris for the 1325-N Liquid Waste Disposal Facility.

1325-N Liquid Waste Disposal Facility



8605087-6CN
(PHOTO TAKEN 1986)



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