



Department of Energy

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

95-PCA-312

MAY 25 1995

Ms. Cathi Silva
Environmental Technician
Hazardous Waste Information
and Permit Management Section
State of Washington
Department of Ecology
P.O. Box 47658
Olympia, Washington 98504-7658

Dear Ms. Silva:

NOTIFICATION OF DANGEROUS WASTE ACTIVITIES, FORM 2, REVISION 1, FOR THE HANFORD FACILITY (WA7890008967)

Enclosed is revision 1 of the State of Washington Department of Ecology (Ecology) Form 2, "Notification of Dangerous Waste Activities" for the Hanford Facility (Form 2). The original Form 2 for the Hanford Facility, transmitted to the U.S. Environmental Protection Agency (EPA) in August 1980, notified the EPA of our intent to manage dangerous waste. The original Form 2 resulted in the EPA issuing the EPA Identification Number WA7890008967 to the Hanford Facility.

The Form 2 is being revised to allow Treatment by Generator (TBG) activities to be conducted at generating units on the contiguous Hanford Facility. Generators not located on the contiguous Hanford Facility (i.e., Federal Building and 712 Building located in downtown Richland and the 3000 Area) have submitted separate Form 2s to obtain their own EPA/State identification numbers, but will conduct TBG activities under this Form 2 until they receive their own EPA/State identification numbers. Allowing TBG activities to be conducted will reduce the volume of waste on the Hanford Facility that will need further treatment, storage, and/or disposal, thus reducing the cost for waste management.

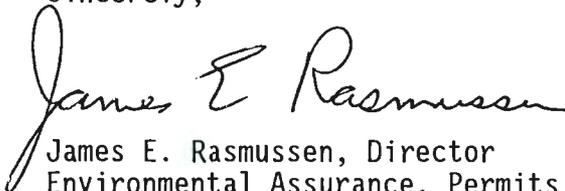


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Should you have any questions regarding this letter or the enclosed Form 2, please contact Mr. C. E. Clark, RL, on (509) 376-9333; Mr. R. C. Bowman, Westinghouse Hanford Company, on (509) 376-4876; Ms. J. W. Badden, Bechtel Hanford, Inc., on (509) 372-9033; or Mr. H. T. Tilden II, Pacific Northwest Laboratory, on (509) 376-0499.

Sincerely,



James E. Rasmussen, Director
Environmental Assurance, Permits,
and Policy Division
DOE Richland Operations Office

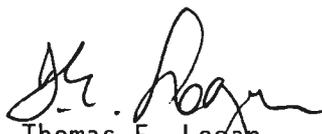
EAP:CEC



William T. Dixon, Director
Environmental Services
Westinghouse Hanford Company



Kenneth C. Brog, Director
Environment, Safety and Health
Pacific Northwest Laboratory



Thomas E. Logan
Manager of Projects
Bechtel Hanford, Inc.

Enclosure:
Notification of Dangerous Waste
Activities, Form 2, Revision 1,
for the Hanford Facility

cc: See page 3

Ms. Cathi Silva
95-PCA-311

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cc w/encl:
R. Bowman, WHC
D. Duncan, EPA
M. Jaraysi, Ecology
D. Sherwood, EPA
J. Witczak, Ecology
EDMC, H6-08

cc w/o encl:
C. Anderson, KEH
K. Brog, PNL
B. Dixon, KEH
W. Dixon, WHC
R. Jim, YIN
T. Michelena, Ecology
D. Powaukee, NPT
S. Price, WHC
H. Tilden II, PNL
J. Wilkinson, CTUIR

| | | |
|---|--|--|
| 8.a. EPA Site ID# (p. 8) | | WA 7890008967 |
| 8.b. NAME OF INSTALLATION (Same as Section No. 3) (p. 8) HANFORD FACILITY | | |
| 9. TYPE OF REGULATED WASTE ACTIVITY (Mark "X" in the appropriate boxes) (p. 9) | | |
| A. Dangerous Waste Activity | | B. Used Oil Fuel Activities |
| 1. Generator <input checked="" type="checkbox"/> a. Greater than 1000 kg/mo (2,200 lbs.) <input type="checkbox"/> b. > 100 to 1000 kg/mo (220-2,200 lbs.) <input type="checkbox"/> c. Less than 100 kg/mo (220 lbs.) d. Frequency: <input type="checkbox"/> Monthly <input checked="" type="checkbox"/> Batch <input type="checkbox"/> One-time only 2. Transporter (Indicate Mode in boxes 1-5 below) <input checked="" type="checkbox"/> a. For own waste only <input type="checkbox"/> b. For commercial purposes Mode of transportation <input type="checkbox"/> 1. Air <input checked="" type="checkbox"/> 2. Rail <input checked="" type="checkbox"/> 3. Highway <input type="checkbox"/> 4. Water <input type="checkbox"/> 5. Other - specify: _____ | <input checked="" type="checkbox"/> 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity; see instructions. 4. Dangerous Waste Fuel <input type="checkbox"/> a. Generator Marketing to Burner <input type="checkbox"/> b. Other Marketers <input type="checkbox"/> c. Boiler and/or Industrial Furnace <input type="checkbox"/> 1. Smelter Deferral <input type="checkbox"/> 2. Small Quantity Exemption Indicate Type of Combustion Device(s) <input type="checkbox"/> 1. Utility Boiler <input type="checkbox"/> 2. Industrial Boiler <input type="checkbox"/> 3. Industrial Furnace <input type="checkbox"/> 5. Underground Injection Control <input type="checkbox"/> 6. Immediate Recycler <input checked="" type="checkbox"/> 7. Permit by Rule Facility | 1. Used Oil Fuel Marketer <input type="checkbox"/> a. Marketer Directs Shipment of Used Oil to Off-Specification Burner <input type="checkbox"/> b. Marketer Who First Claims the Used Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) of Combustion Device(s) <input type="checkbox"/> a. Utility Boiler <input type="checkbox"/> b. Industrial Boiler <input type="checkbox"/> c. Industrial Furnace 3. Used Oil Transporter - Indicate Type(s) of Activity(ies) <input type="checkbox"/> a. Transporter <input type="checkbox"/> b. Transfer Facility 4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies) <input type="checkbox"/> a. Process <input type="checkbox"/> b. Re-refine |

10.a. WASTE DESCRIPTIONS (p. 12)

REFER TO SECTION 11.

10.b. WASTE CODES (p. 12)

REFER TO SECTION 11.

1. Characteristics (WAC 173-303-090): Identify (circle or fill-in) those codes that best describe your waste(s).

| | | | |
|-------------------|-------------------|------------------|------|
| D001 IGNITABLE | D002 CORROSIVE | D003 REACTIVE | TCLP |
|-------------------|-------------------|------------------|------|

2. Listed (WAC 173-303-990 and -9904): Fill-in those codes that best describe your waste(s).

3. State-only (WAC 173-303-100, -180, and -9904): Circle those codes that best describe your waste(s).

| | | | | | | | | | |
|---------------|------|--------------------|------|------|----------------------|-----------------|------|-------------|------------------------------|
| WT01 TOXIC | WT02 | W101 PERSISTENT | W102 | W103 | WC02 CARCINOGENIC | WL01 LAMPBAG | WL02 | W001 PCB | W002 RECYCLED ANTIPIREZOL |
|---------------|------|--------------------|------|------|----------------------|-----------------|------|-------------|------------------------------|

11. COMMENTS (p. 13)

REFER TO ATTACHMENT.

12. NOTIFICATION CHECKLIST (p. 13)

- Did you sign and date notification form?
- Did you keep a copy for your files?
- Did you complete the correct sections of this notification form to fit your situation? (See Section 1-Notification)
- If you are canceling or withdrawing your EPA Site ID number, you are responsible for annual reports up to the date your regulated dangerous waste activities ended. Did you submit your completed annual report with this request for cancellation or withdraw?

13. CERTIFICATION (p. 14)

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.

| | | |
|---------------|--|------------------------|
| SIGNATURE | NAME AND OFFICIAL TITLE (type or print) John D. Wagoner, Manager, U.S. Department of Energy, Richland Operations Office | DATE SIGNED 5/25/95 |
|---------------|--|------------------------|

ATTACHMENT

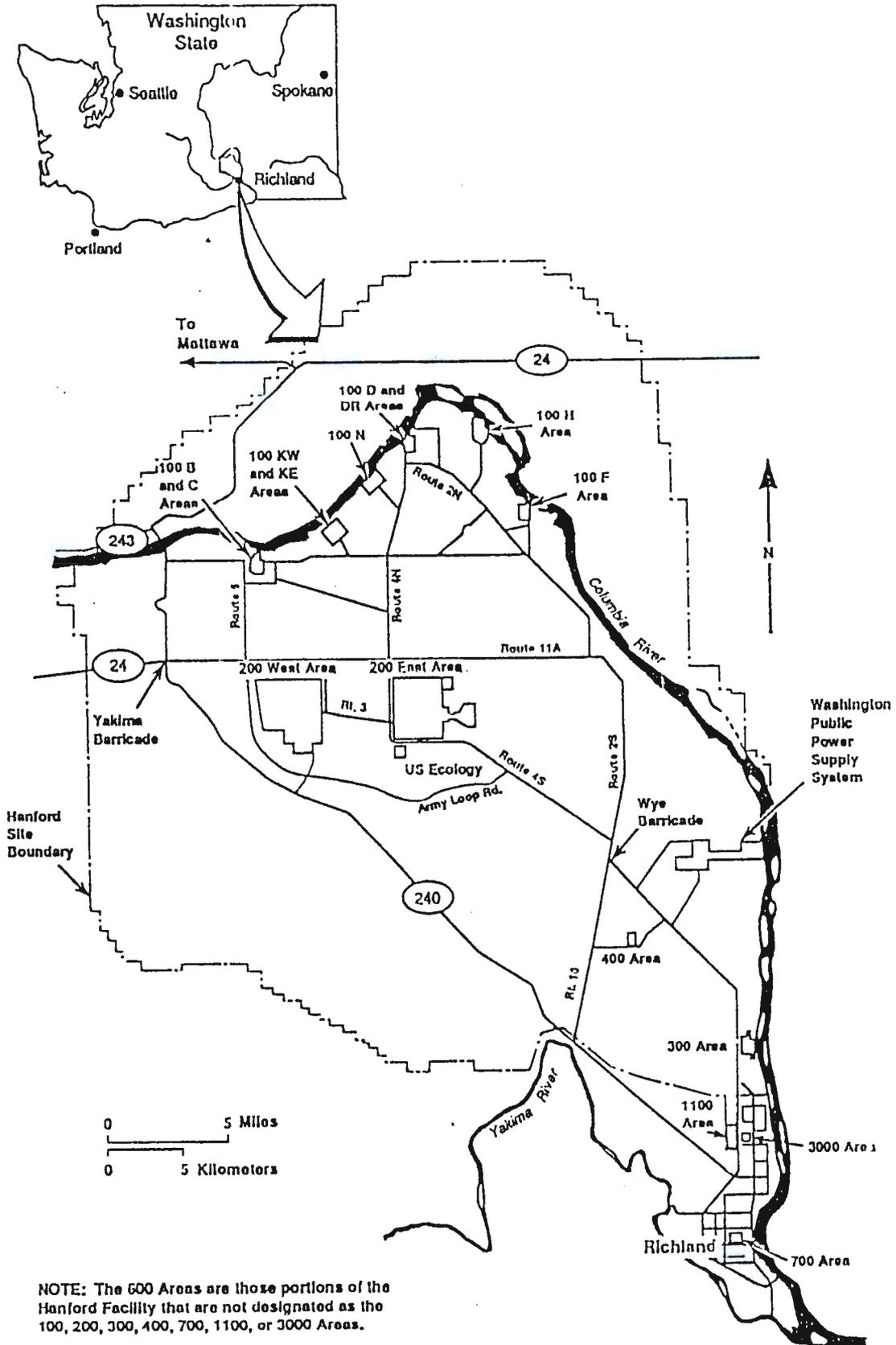
Section 11. Comments (listed by section)

General - This Notification of Dangerous Waste Activities, Form 2, is being submitted to allow Treatment By Generator (TBG) activities to be conducted by generating units on the Hanford Facility. These TBG activities will take place in the 100, 200, 300, 400, 600, and 1100 Areas of the Hanford Facility as shown in the figure on Page 5 of 5. Generators located in the 700 and 3000 Areas have submitted individual Form 2's to obtain separate U.S. Environmental Protection Agency (EPA)/State identification numbers, but will conduct TBG activities under existing EPA/State Identification Number WA7890008967 until their respective Form 2's are approved. Treatment would occur at the site of generation and would include the following treatment methods as specified in the Washington Administrative Code 173-303-380, Table 2:

| | |
|-----|--|
| T21 | Chemical fixation |
| T22 | Chemical oxidation |
| T23 | Chemical precipitation |
| T24 | Chemical reduction |
| T27 | Cyanide destruction |
| T30 | Ion exchange |
| T31 | Neutralization |
| T34 | Other (carbon adsorption) |
| T35 | Centrifugation |
| T36 | Clarification |
| T37 | Coagulation |
| T38 | Decanting |
| T39 | Encapsulation |
| T40 | Filtration |
| T41 | Flocculation |
| T42 | Flotation |
| T43 | Foaming |
| T44 | Sedimentation |
| T45 | Thickening |
| T46 | Ultrafiltration |
| T47 | Other (demulsification, ion exchange, oil skimming, solidification, extraction technologies and immobilization technologies) |
| T48 | Absorption-molecular sieve |
| T49 | Activated carbon |
| T54 | Distillation |
| T57 | Evaporation |
| T62 | Reverse osmosis |
| T63 | Solvent recovery. |

2. The Hanford Facility is an environmental restoration and waste management facility that produces and manages both dangerous and mixed waste. The Hanford Facility consists of over 60 treatment, storage, and/or disposal units, and also includes generating units that produce and manage both dangerous and mixed waste.

4. The Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Attachment 2, Hanford Facility Legal Description provides the boundaries within which TBG activities will be conducted. The Hanford Facility RCRA Permit is on file with the Washington State Department of Ecology. Location information associated with the 700 and 3000 Areas is included on respective Form 2 Notification of Dangerous Waste Activities that were transmitted to the Washington State Department of Ecology on May 12, 1994.
- 6.a. Mr. J. E. Rasmussen is the Division Director of the Environmental Assurance, Permits, and Policy Division for the U.S. Department of Energy, Richland Operations Office.
- 7.a. U.S. DOE-RL (U.S. Department of Energy, Richland Operations Office).
- 9.A.7. Permit by Rule will be used to allow elementary neutralization by generating units on the Hanford Facility.
- 10.a. through 10.b.3. The waste descriptions and waste numbers are identified in DOE/RL-88-21, *Hanford Facility Dangerous Waste Part A Permit Application*. Not addressed in this document is waste number W002, for recycled antifreeze, which is applicable to the Hanford Facility. Document DOE/RL-88-21 is available at the Washington State Department of Ecology offices in Olympia and Kennewick, Washington, and the public reading room at the Washington State University Tri-Cities campus, Richland, Washington.



NOTE: The 600 Areas are those portions of the Hanford Facility that are not designated as the 100, 200, 300, 400, 700, 1100, or 3000 Areas.