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## Department of Energy

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

JUN 24 1992

92-RPB-147

Mr. Paul T. Day  
Hanford Project Manager  
U. S. Environmental Protection Agency  
Region 10  
712 Swift Boulevard, Suite 5  
Richland, Washington 99352



Mr. David B. Jansen, P.E.  
Hanford Project Manager  
State of Washington  
Department of Ecology  
P.O. Box 47600  
Olympia, Washington 98504-7600

Dear Messrs. Day and Jansen:

224-T TRANSURANIC WASTE STORAGE AND ASSAY FACILITY DANGEROUS WASTE PERMIT APPLICATION (HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER MILESTONE NUMBER M-20-23 GROUP NUMBER S-2-2)

This letter submits the 224-T Transuranic Waste Storage and Assay Facility (224-T TRUSAF) Dangerous Waste Permit Application in accordance with the Resource Conservation and Recovery Act, as amended, and the State of Washington Dangerous Waste Regulations. This submittal fulfills Hanford Federal Facility Agreement and Consent Order Milestone M-20-23. This permit application is based on historical and operational records for the 224-T TRUSAF. A State Environmental Policy Act Environmental Checklist for the 224-T TRUSAF is included with the 224-T TRUSAF Dangerous Waste Permit Application.

Per your request, copies of the 224-T TRUSAF Dangerous Waste Permit Application have been distributed as follows: (1) Five copies to Mr. T. M. Michelena, Ecology, (Lacey, Washington, office); (2) one copy to Mr. D. C. Nylander, Ecology, (Kennewick, Washington, office); (3) two copies to Mr. D. L. Duncan, EPA, (Seattle, Washington, office); and (4) one copy to Mr. A. W. Conklin, DOH, (Lacey, Washington, office).



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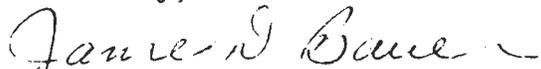
Messrs. Day and Jansen  
92-RPB-147

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JUN 24 1992

Should you have any questions regarding this permit application, please contact Mr. C. E. Clark of the U.S. Department of Energy, Richland Field Office on (509) 376-9333, or Ms. S. M. Price of the Westinghouse Hanford Company on (509) 376-1653.

Sincerely,



R. D. Izatt, Program Manager  
Office of Environmental Assurance,  
Permits, and Policy

EAP:CEC



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

Enclosure

cc w/o encl:  
P. T. Day, EPA  
D. L. Duncan, EPA  
R. E. Lerch, WHC  
T. M. Michelena, Ecology  
D. C. Nylander, Ecology

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ATTACHMENT 2

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STATE ENVIRONMENTAL POLICY ACT (SEPA)  
ENVIRONMENTAL CHECKLIST

FOR

224-T TRANSURANIC WASTE STORAGE AND ASSAY FACILITY

REVISION 0

MAY 29, 1992

WASHINGTON ADMINISTRATIVE CODE  
ENVIRONMENTAL CHECKLIST FORMS  
[WAC 197-11-960]

A. BACKGROUND

1  
2  
3  
4 1. Name of proposed project, if applicable:  
5

6 The proposed project is permitting of the 224-T Transuranic Waste  
7 Storage and Assay Facility (224-T TRUSAF). This *State Environmental*  
8 *Policy Act* (SEPA) of 1971 Environmental Checklist is being submitted  
9 concurrently with the 224-T TRUSAF Part B dangerous waste permit  
10 application. The 224-T TRUSAF stores transuranic mixed waste and  
11 low-level mixed waste and requires permitting under Washington  
12 Administrative Code (WAC) 173-303-806.  
13

14 2. Name of applicants:  
15

16 U.S. Department of Energy, DOE Richland Field Office (DOE-RL); and  
17 Westinghouse Hanford Company, Operations and Engineering Contractor for  
18 the DOE-RL.  
19

20 3. Address and phone number of applicants and contact persons:  
21

22 U.S. Department of Energy	Westinghouse Hanford Company
23 DOE Richland Field Office	P.O. Box 1970
24 P.O. Box 550	Richland, Washington 99352
25 Richland, Washington 99352	

26  
27 Contact Persons:

28	
29 R. D. Izatt, Program Manager	R. E. Lerch, Manager
30 Office of Environmental Assurance,	Environmental Division
31 Permits and Policy	(509) 376-5556
32 (509) 376-5441	

33  
34 4. Date checklist prepared:  
35

36 May 29, 1992  
37

38 5. Agency requesting checklist:  
39

40 Washington State  
41 Department of Ecology  
42 Nuclear and Mixed Waste Program  
43 Mail Stop PV-11  
44 Olympia, Washington 98504-8711  
45

46 6. Proposed timing or schedule (including phasing, if applicable):  
47

48 This SEPA environmental checklist is being submitted concurrently with  
49 the 224-T TRUSAF Part B dangerous waste permit application. The  
50 224-T TRUSAF Part B dangerous waste permit application will be submitted  
51 to the Washington State Department of Ecology on June 30, 1992.  
52

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- 1 7. Do you have any plans for future additions, expansion, or further  
2 activity related to or connected with this proposal? If yes, explain.  
3

4 No future expansion of 224-T TRUSAF is anticipated to support storage of  
5 transuranic mixed waste and low-level mixed waste. Minor modifications  
6 and maintenance repairs are expected to occur periodically.  
7

8 Unused transuranic mixed waste storage modules within the building are  
9 used to store low-level mixed waste. The low-level mixed waste will be  
10 disposed of on the Hanford Facility.  
11

- 12 8. List any environmental information you know about that has been prepared,  
13 or will be prepared, directly related to this proposal.  
14

15 A Part A permit application has been submitted to the Washington State  
16 Department of Ecology. Part A, Form 1, was submitted on May 19, 1988.  
17 Part A, Form 3, Revision 0, was submitted on November 25, 1987. Part A,  
18 Form 3, Revision 1, was submitted on October 22, 1990 to ensure agreement  
19 on annual waste quantities being reported to Ecology and included 26 new  
20 codes for toxicity characteristics leaching procedure (TCLP) testing.  
21 Part A, Form 3, Revision 2, is included with the Part B dangerous waste  
22 permit application and includes additional details regarding the  
23 transuranic mixed waste and low-level mixed waste stored at the  
24 224-T TRUSAF.  
25

26 Environmental information on the Hanford Site, in general, can be found  
27 in the following references: (1) *Disposal of Hanford Defense High-Level,*  
28 *Transuranic and Tank Wastes, Hanford Site, Richland, Washington; Record*  
29 *of Decision (ROD)*, Federal Register 53 FR 12449, April 14, 1988, and (2)  
30 *Hanford Site National Environmental Policy Act (NEPA) Characterization,*  
31 *PNL-6415 Revision 4, Pacific Northwest Laboratory, 1991, Richland,*  
32 *Washington.*  
33

34 The U.S. Department of Energy's ROD implements the 'preferred  
35 alternative' whereby retrievably stored and newly generated transuranic  
36 and transuranic mixed waste will be sent to the Waste Isolation Pilot  
37 Plant or to another approved disposal site. The 224-T TRUSAF is a  
38 storage unit supporting the ROD.  
39

- 40 9. Do you know whether applications are pending for government approvals of  
41 other proposals directly affecting the property covered by your proposal?  
42 If yes, explain.  
43

44 No other proposals are pending.  
45

- 46 10. List any government approvals or permits that will be needed for your  
47 proposal, if known.  
48

49 A final facility permit is being requested for storage of transuranic  
50 mixed waste and low-level mixed waste at the 224-T TRUSAF in accordance  
51 with WAC 173-303-806.  
52

9 2 1 2 3 3 7 7 9

- 1 11. Give brief, complete description of your proposal, including the proposed  
2 uses and the size of the project and site. There are several questions  
3 later in this checklist that ask you to describe certain aspects of your  
4 proposal. You do not need to repeat those answers on this page.  
5

6 In 1985, the 224-T TRUSAF began storing transuranic, transuranic mixed,  
7 and low-level mixed waste from U.S. Department of Defense and  
8 U.S. Department of Energy offsite generators and onsite generating units.  
9 Transuranic radionuclides are those radionuclides with an atomic number  
10 greater than 92 (uranium). Transuranic waste is defined by  
11 U.S. Department of Energy Order 5820.2A as any waste, regardless of  
12 source or form, that is contaminated with alpha-emitting transuranic  
13 radionuclides with half-lives greater than 20 years and in concentrations  
14 greater than 100 nanocuries per gram of the waste matrix at the time of  
15 assay. At the Hanford Facility, transuranic waste also includes  
16 uranium-233 and radium sources.  
17

18 The 224-T TRUSAF, classified as container storage for transuranic mixed  
19 and low-level mixed waste, will be permitted under Washington State  
20 Department of Ecology (Ecology) *Dangerous Waste Regulations*, Washington  
21 Administrative Code (WAC) 173-303-806. The focus of this permit  
22 application is the storage of transuranic mixed waste, but the storage of  
23 low-level mixed waste also is allowed. Storage of transuranic mixed  
24 waste is the primary mission of the 224-T TRUSAF.  
25

26 The 224-T TRUSAF provides a centralized storage unit for transuranic  
27 mixed waste and low-level mixed waste. Disposal of this transuranic  
28 mixed waste could be at the Waste Isolation Pilot Plant (WIPP) in  
29 Carlsbad, New Mexico or at another approved disposal site. Waste is  
30 received only in U.S. Department of Transportation-approved or equivalent  
31 17C or 17H 55-gallon (208-liter) containers or other U.S. Department of  
32 Transportation-approved packages. The 224-T TRUSAF also will store  
33 approximately 140 containers of retrieved transuranic mixed waste for  
34 characterization and reprocessing in a Hanford Facility treatment,  
35 storage, and/or disposal (TSD) unit (i.e., Waste Receiving and Processing  
36 Facility). These containers will be retrieved from belowground storage  
37 at the Low-Level Burial Grounds. These containers will be retrieved as  
38 part of the effort to retrieve all transuranic mixed waste stored  
39 belowground. The containers will be characterized based on existing  
40 burial records. Existing burial records provide detailed information on  
41 the content of these containers.  
42

43 The 224-T TRUSAF contains three floors that allow for approximately  
44 11,500 square feet (1,068 square meters) of storage space. The first  
45 floor contains storage modules in which containers are placed according  
46 to their destination, a restroom, a heating and ventilation mechanical  
47 room, an elevator, a transuranic waste assayer room, and a real-time  
48 radiography room. The second and third floors contain only storage  
49 space. The three floors of the 224-T TRUSAF are sealed completely from  
50 the eastern third of the building, which contains six radiologically  
51 contaminated process cells (cells A through F). Cells A through F are  
52 not and will not be used for storage of dangerous waste and are not a  
53 part of the 224-T TRUSAF Part B dangerous waste permit application.

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1 The administrative processing of waste in the 224-T TRUSAF includes  
2 inspection of containers (exterior only) and associated documentation, a  
3 neutron assay of the waste container(s) to determine fissile element  
4 content, and an examination with a real-time radiography system to  
5 confirm the absence of prohibited items (e.g., free liquids). Following  
6 this administrative processing, the containers are placed in the assigned  
7 storage module(s). The containers are stored in rows, following the  
8 pattern marked on the floor. A data package is placed with each  
9 container, indicating the progress of each container through the  
10 administrative process.

- 11  
12 12. Location of the proposal. Give sufficient information for a person to  
13 understand the precise location of your proposed project, including a  
14 street address, if any, and section, township, and range, if known. If a  
15 proposal would occur over a range of area, provide the range or  
16 boundaries of the site(s). Provide a legal description, site plan,  
17 vicinity map, and topographic map, if reasonably available. While you  
18 should submit any plans required by the agency, you are not required to  
19 duplicate maps or detailed plans submitted with any permit applications  
20 related to this checklist.

21  
22 The 224-T TRUSAF is located in the 200 West Area of the Hanford Facility,  
23 approximately 30 miles (48 kilometers) north of the city of Richland,  
24 Washington. It is north of 23rd Street and west of Beloit Avenue in the  
25 200 West Area. A map and site plans are included with the 224-T TRUSAF  
26 Part B dangerous waste permit application. The section, township, and  
27 range are as follows: Section 1, T12N, R25E. In the vicinity of  
28 224-T TRUSAF, the water table ranges from about 164 to 197 feet (50 to  
29 60 meters) below the surface.

30  
31  
32 **B. ENVIRONMENTAL ELEMENTS**

33  
34  
35 **1. Earth**

- 36  
37 a. General description of the site (circle one): Flat, rolling, hilly,  
38 steep slopes, mountainous, other \_\_\_\_\_.

39  
40 Flat.

- 41  
42 b. What is the steepest slope on the site (approximate percent slope)?

43  
44 No slope is evident.

- 45  
46 c. What general types of soils are found on the site (for example,  
47 clay, sandy gravel, peat, muck)? If you know the classification of  
48 agricultural soils, specify them and note any prime farmland.

49  
50 The subsurface soil in the area of 224-T TRUSAF consists of sandy  
51 gravel and coarse sand. The water table is about 164 to 197 feet  
52 (50 to 60 meters) below the surface. All surface areas immediately

1 surrounding 224-T TRUSAF are covered either with top aggregate or  
2 are asphalt surfaced.

3  
4 No farming occurs on the Hanford Site.

- 5  
6 d. Are there surface indications or history of unstable soils in the  
7 immediate vicinity? If so, describe.

8  
9 No.

- 10  
11 e. Describe the purpose, type, and approximate quantities of any  
12 filling or grading proposed. Indicate source of fill.

13  
14 None required.

- 15  
16 f. Could erosion occur as a result of clearing, construction, or use?  
17 If so, generally describe.

18  
19 No.

- 20  
21 g. About what percent of the site will be covered with impervious  
22 surfaces after project construction (for example, asphalt or  
23 buildings).

24  
25 Not applicable. The existing area would not be expanded.

- 26  
27 h. Proposed measures to reduce or control erosion, or other impacts to  
28 the earth, if any:

29  
30 Not applicable.

31  
32 2. Air

- 33  
34 a. What types of emissions to the air would result from the proposal  
35 (i.e., dust, automobile, odors, industrial wood smoke) during  
36 construction and when the project is completed? If any, generally  
37 describe and give approximate quantities, if known.

38  
39 Not applicable. The 224-T TRUSAF heating and ventilation system  
40 will not be changed.

- 41  
42 b. Are there any off-site sources of emissions or odors that may affect  
43 your proposal? If so, generally describe.

44  
45 No.

- 46  
47 c. Proposed measures to reduce or control emissions or other impacts to  
48 the air, if any?

49  
50 None at this time.  
51

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1 3. Water

2  
3 a. Surface

- 4  
5 1) Is there any surface water body on or in the immediate vicinity  
6 of the site (including year-round and seasonal streams,  
7 saltwater, lakes, ponds, wetlands)? If yes, describe type and  
8 provide names. If appropriate, state what stream or river it  
9 flows into.

10  
11 There is no surface water body on or in the immediate vicinity  
12 of 224-T TRUSAF. The Columbia River is the primary  
13 surface-water feature and is about 10 miles (16 kilometers)  
14 from the storage unit.

- 15  
16 2) Will the project require any work over, in, or adjacent to  
17 [within 200 feet (61 meters)] the described waters? If yes,  
18 please describe and attach available plans.

19  
20 No.

- 21  
22 3) Estimate the amount of fill and dredge material that would be  
23 placed in or removed from surface water or wetlands and  
24 indicate the area of the site that would be affected. Indicate  
25 the source of fill material.

26  
27 None.

- 28  
29 4) Will the proposal require surface water withdrawals or  
30 diversions? Give general description, purpose, and approximate  
31 quantities if known.

32  
33 No.

- 34  
35 5) Does the proposal lie within a 100-year floodplain? If so,  
36 note location on the site plan.

37  
38 No.

- 39  
40 6) Does the proposal involve any discharges of waste materials to  
41 surface waters? If so, describe the type of waste and  
42 anticipated volume of discharge.

43  
44 No.

45  
46 b. Ground

- 47  
48 1) Will ground water be withdrawn, or will water be discharged to  
49 ground water? Give general description, purpose, and  
50 approximate quantities if known.

51  
52 Not applicable.  
53

9 2 1 2 6 3 0 7 3

- 1 2) Describe waste material that will be discharged into the ground  
2 from septic tanks or other sources, if any (for example:  
3 Domestic sewage; industrial, containing the following  
4 chemicals; agricultural...; etc.). Describe the general size  
5 of the system, the number of such systems, the number of houses  
6 to be served (if applicable), or the number of animals or  
7 humans the system(s) are expected to serve.  
8

9 Not applicable.

10  
11 c. Water Run-off (including storm water)  
12

- 13 1) Describe the source of run-off (including storm water) and  
14 method of collection and disposal, if any (include quantities,  
15 if known). Where will this water flow? Will this water flow  
16 into other waters? If so, describe.  
17

18 The Hanford Site has a mild desert climate and receives only  
19 6 to 7 inches (15 to 18 centimeters) of annual precipitation.  
20 Any precipitation that occurs at the Hanford Site will run off  
21 the existing buildings and seep into the soil on and near the  
22 buildings. No run-off will enter surface waters.  
23

- 24 2) Could waste materials enter ground or surface waters? If so,  
25 generally describe.  
26

27 No waste materials is expected to enter the ground or  
28 surface water. Each floor of 224-T TRUSAF contains liquid  
29 collection points and curbing to contain any potential  
30 breach in waste packaging.  
31

- 32 d. Proposed measures to reduce or control surface, ground, and run-off  
33 water impacts, if any:  
34

35 No surface, ground, or run-off water impacts are expected.  
36

37 4. Plants  
38

- 39 a. Check or circle the types of vegetation found on the site.  
40

- 41  deciduous tree: alder, maple, aspen, other  
42  evergreen tree: fir, cedar, pine, other  
43  shrubs  
44  grass  
45  pasture  
46  crop or grain  
47  wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other  
48  water plants: water lily, eelgrass, milfoil, other  
49  other types of vegetation  
50

51 The most common vegetation community in the 200 West Area is the  
52 sagebrush/cheatgrass or Sandberg's bluegrass.  
53

9 2 1 2 6 1 3 0 7 3 4

1 b. What kind and amount of vegetation will be removed or altered?

2  
3 None.

4  
5 c. List threatened or endangered species known to be on or near the  
6 site.

7  
8 None. Additional information on the Hanford Site ecology can be  
9 found in *Hanford Site National Environmental Policy Act (NEPA)*  
10 *Characterization*, PNL-6415 (Revision 4, Pacific Northwest  
11 Laboratory, 1991, Richland, Washington).

12  
13 d. Proposed landscaping, use of native plants, or other measures to  
14 preserve or enhance vegetation on the site, if any:

15  
16 Not applicable.

17  
18 5. Animals

19  
20 a. Circle any birds and animals which have been observed on or near the  
21 site or are known to be on or near the site:

22  
23 birds: hawk, heron, eagle, songbirds, other:

24 mammals: deer, bear, elk, beaver, other:

25 fish: bass, salmon, trout, herring, shellfish, other:

26  
27 Starlings, pigeons, and rabbits have been observed near the site.  
28 Deer are primarily found along the Columbia River and Rattlesnake  
29 Hill but do move throughout the Hanford Site. Additional  
30 information on the Hanford Site ecology can be found in *Hanford Site*  
31 *National Environmental Policy Act (NEPA) Characterization*, PNL-6415  
32 (Revision 4, Pacific Northwest Laboratory, 1991, Richland,  
33 Washington).

34  
35 b. List any threatened or endangered species known to be on or near the  
36 site.

37  
38 No threatened or endangered species of plants and animals are known  
39 to exist near the 224-T TRUSAF.

40  
41 The federally- and state-registered bald eagle (threatened) is a  
42 regular winter visitor occurring principally along the Columbia  
43 River. The peregrine falcon (federal and state endangered) is a  
44 rare accidental visitor. The American white pelican (state  
45 endangered) is a transient summer visitor, but is not known to nest  
46 on the Hanford Site. The state of Washington lists the sandhill  
47 crane as endangered, and the ferruginous hawk as threatened. Cranes  
48 are casual migrants to the area, while the ferruginous hawk  
49 sometimes nests on area power poles. None of these species are  
50 known to exist near 224-T TRUSAF.

51  
52 Washington State lists two species of plants (Columbia milk-vetch  
53 and Hoover's desert parsley) as threatened and the Yellowcross as

1 being endangered. Although these species are found on the Hanford  
2 Site, none have been found near 224-T TRUSAF.

3  
4 c. Is the site part of a migration route? If so, explain.

5  
6 No. However, the Columbia River, which is about 10 miles  
7 (16 kilometers) away, is part of the broad Pacific Flyway for  
8 waterfowl migration. Other birds also migrate along the Columbia  
9 River.

10  
11 d. Proposed measures to preserve or enhance wildlife, if any:

12  
13 None anticipated.

14  
15 **6. Energy and Natural Resources**

16  
17 a. What kinds of energy (electric, natural gas, oil, wood stove, solar)  
18 will be used to meet the completed project's energy needs? Describe  
19 whether it will be used for heating, manufacturing, etc.

20  
21 Electricity is used for facility lighting and to operate the heating  
22 and ventilation system.

23  
24 b. Would your project affect the potential use of solar energy by  
25 adjacent properties? If so, generally describe.

26  
27 No.

28  
29 c. What kinds of energy conservation features are included in the plans  
30 of this proposal? List other proposed measures to reduce or control  
31 energy impacts, if any:

32  
33 None.

34  
35 **7. Environmental Health**

36  
37 a. Are there any environmental health hazards, including exposure to  
38 toxic chemicals, risk of fire and explosion, spill, or hazardous  
39 waste, that could occur as a result of this proposal? If so,  
40 describe.

41  
42 Possible environmental health hazards could arise from the waste  
43 storage activities at 224-T TRUSAF. The hazard could come from  
44 exposure to radioactive, dangerous, and/or mixed waste.

45  
46 1) Describe special emergency services that might be required.

47  
48 Hanford Facility security, fire response, and ambulance  
49 services are on call at all times in the event of an onsite  
50 emergency.  
51

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- 1 2) Proposed measures to reduce or control environmental health  
2 hazards, if any:  
3

4 All personnel are trained to follow proper procedures during  
5 the storage operations to minimize potential exposure. The  
6 224-T TRUSAF has systems for ventilation, radiation monitoring,  
7 fire protection, inclusive of alarm capability. The HVAC  
8 system maintains a negative pressure on the facility.  
9

10 The 224-T TRUSAF has liquid collection points and curbing at  
11 each floor to contain a potential release to the environment.  
12

13 b. Noise

- 14  
15 1) What type of noise exists in the area which may affect your  
16 project (for example: traffic, equipment, operation, other)?  
17

18 None.  
19

- 20 2) What types and levels of noise would be created by or  
21 associated with the project on a short-term or a long-term  
22 basis (for example: traffic, construction, operation, other)?  
23 Indicate what hours noise would come from the site.  
24

25 On a long-term basis, minor amounts of noise from equipment are  
26 expected during operating hours.  
27

- 28 3) Proposed measures to reduce or control noise impacts, if any:  
29

30 Vehicles and equipment used to support the storage activities  
31 meet federal and state standards for noise levels.  
32 Additionally, ear protection equipment is available as needed  
33 for the workers.  
34

35 8. Land and Shoreline Use

- 36  
37 a. What is the current use of the site and adjacent properties?  
38

39 The 224-T is being used as a storage unit for transuranic mixed  
40 waste and low-level mixed waste.  
41

42 The structure nearest the 224-T TRUSAF is the 221-T Plant. The  
43 T-Plant is constructed of reinforced concrete. The T-Plant is  
44 located to the northwest and is used as the primary onsite  
45 decontamination unit.  
46

47 The 222-T Building is located immediately north of 224-T TRUSAF.  
48 The 222-T Building is a concrete block structure that originally  
49 provided laboratory support to T-Plant. Today, the building is used  
50 as office areas.  
51

52 Refer to Drawing H-2-81572 in Appendix 2A of the 224-T TRUSAF Part B  
53 dangerous waste permit application for location of adjacent buildings.

9 2 1 2 5 3 7 7

1 b. Has the site been used for agriculture? If so, describe.  
2

3 No part of the Hanford Site, including the 241-Z Building, has been  
4 used for agricultural purposes since 1943.  
5

6 c. Describe any structures on the site.  
7

8 The 224-T TRUSAF is a three-story reinforced concrete structure  
9 with approximately 11,500 square feet (1,068 square meters) of  
10 storage space. In the mid-1970's, 224-T TRUSAF underwent structural  
11 upgrades to meet new U.S. Department of Energy design criteria for  
12 storage of plutonium materials.  
13

14 d. Will any structures be demolished? If so, what?  
15

16 No.  
17

18 e. What is the current zoning classification of the site?  
19

20 The Hanford Site is zoned by Benton County as an Unclassified Use  
21 (U) district.  
22

23 f. What is the current comprehensive plan designation of the site?  
24

25 The 1985 Benton County Comprehensive Land Use Plan designates the  
26 Hanford Site as the "Hanford Reservation". Under this designation,  
27 land on the Hanford Site may be used for "activities nuclear in  
28 nature." Nonnuclear activities are authorized "if and when DOE  
29 approval for such activities is obtained."  
30

31 g. If applicable, what is the current shoreline master program  
32 designation of the site?  
33

34 Not applicable.  
35

36 h. Has any part of the site been classified as an "environmentally  
37 sensitive" area? If so, specify.  
38

39 No.  
40

41 i. Approximately how many people would reside or work in the completed  
42 project?  
43

44 Inspection personnel occupy 224-T TRUSAF for inspection and  
45 monitoring purposes. Generally, the 224-T TRUSAF is occupied from  
46 7:30 a.m. to 4:00 p.m., Monday through Friday.  
47

48 j. Approximately how many people would the completed project displace?  
49

50 None.  
51

9 2 1 2 6 4 9 0 7 3 3

1 k. Proposed measures to avoid or reduce displacement impacts, if any:

2  
3 Not applicable.

4  
5 l. Proposed measures to ensure the proposal is compatible with existing  
6 and projected land uses and plans, if any:

7  
8 None.

9  
10 **9. Housing**

11  
12 a. Approximately how many units would be provided, if any? Indicate  
13 whether high, middle, or low-income housing.

14 Not applicable.

15  
16  
17 b. Approximately how many units, if any, would be eliminated? Indicate  
18 whether high, middle, or low-income housing.

19 Not applicable.

20  
21  
22 c. Proposed measures to reduce or control housing impacts, if any:

23 Not applicable.

24  
25  
26 **10. Aesthetics**

27  
28 a. What is the tallest height of any proposed structure(s), not  
29 including antennas; what is the principal exterior building  
30 material(s) proposed?

31 Not applicable.

32  
33  
34 b. What views in the immediate vicinity would be altered or obstructed?

35 Not applicable.

36  
37  
38 c. Proposed measures to reduce or control aesthetic impacts, if any:

39 Not applicable.

40  
41  
42 **11. Light and Glare**

43  
44 a. What type of light or glare will the proposal produce? What time of  
45 day would it mainly occur?

46 Not applicable.

47  
48  
49 b. Could light or glare from the finished project be a safety hazard or  
50 interfere with views?

51 No.

9 2 1 2 6 1 9 0 7 3 9

1 c. What existing off-site sources of light or glare may affect your  
2 proposal?

3  
4 Not applicable.

5  
6 d. Proposed measures to reduce or control light and glare impacts, if  
7 any:

8  
9 Not applicable.

10  
11 12. Recreation

12  
13 a. What designated and informal recreational opportunities are in the  
14 immediate vicinity?

15  
16 None.

17  
18 b. Would the proposed project displace any existing recreational uses?  
19 If so, describe.

20  
21 No.

22  
23 c. Proposed measures to reduce or control impacts on recreation,  
24 including recreation opportunities to be provided by the project or  
25 applicant, if any?

26  
27 Not applicable.

28  
29 13. Historic and Cultural Preservation

30  
31 a. Are there any places or objects listed on, or proposed for,  
32 national, state, or local preservation registers known to be on or  
33 next to the site? If so, generally describe.

34  
35 None are known to be on or next to 224-T TRUSAF. Additional  
36 information on Hanford Site historical, archaeological, and cultural  
37 resources can be found in the *Hanford Site National Environmental*  
38 *Policy Act (NEPA) Characterization*, PNL-6415 (Revision 4, Pacific  
39 Northwest Laboratory, 1991, Richland, Washington).

40  
41 b. Generally describe any landmarks or evidence of historic,  
42 archaeological, scientific, or cultural importance known to be on or  
43 next to the site.

44  
45 There are no known archaeological, historical, or Native American  
46 religious sites on or next to 224-T TRUSAF. Additional information  
47 on Hanford Site historical, archaeological, and cultural resources  
48 can be found in the *Hanford Site National Environmental Policy Act*  
49 *(NEPA) Characterization*, PNL-6415 (Revision 4, Pacific Northwest  
50 Laboratory, 1991, Richland, Washington).

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1 c. Proposed measures to reduce or control impacts, if any:

2  
3 Not applicable.  
4

5 **14. Transportation**  
6

7 a. Identify public streets and highways serving the site, and describe  
8 proposed access to the existing street system. Show on site plans,  
9 if any.

10  
11 Not applicable.  
12

13 b. Is site currently served by public transit? If not, what is the  
14 approximate distance to the nearest transit stop?

15  
16 Not applicable. The 224-T TRUSAF is not accessible to the general  
17 public.  
18

19 c. How many parking spaces would the completed project have? How many  
20 would the project eliminate?

21  
22 Not applicable.  
23

24 d. Will the proposal require any new roads or streets, or improvements  
25 to existing roads or streets, not including driveways? If so,  
26 generally describe (indicate whether public or private).

27  
28 No.  
29

30 e. Will the project use (or occur in the immediate vicinity of) water,  
31 rail, or air transportation? If so, generally describe.

32  
33 No.  
34

35 f. How many vehicular trips per day would be generated by the completed  
36 project? If known, indicate when peak volumes would occur.

37  
38 Not applicable.  
39

40 g. Proposed measures to reduce or control transportation impacts, if  
41 any:

42  
43 Not applicable.  
44

45 **15. Public Services**  
46

47 a. Would the project result in an increased need for public services  
48 (for example: fire protection, police protection, health care,  
49 schools, other)? If so, generally describe.

50  
51 No.  
52

9 2 1 2 6 : 8 0 7 2 1

1 b. Proposed measures to reduce or control direct impacts on public  
2 services, if any:

3  
4 Not applicable.  
5

6 **16. Utilities**  
7

8 a. List utilities currently available at the site: electricity, natural  
9 gas, water, refuse service, telephone, sanitary sewer, septic  
10 system, other:

11  
12 Electricity, telephone, fire protection, and potable water.  
13

14 b. Describe the utilities that are proposed for the project, the  
15 utility providing the service, and the general construction  
16 activities on the site or in the immediate vicinity which might be  
17 needed.

18  
19 None.  
20  
21

22 **SIGNATURES**  
23

24 The answers are true and complete to the best of my knowledge. We  
25 understand that the lead agency is relying on them to make its decision.  
26  
27  
28  
29

30 \_\_\_\_\_  
31 R. D. Izatt, Program Manager  
32 Office of Environmental Assurance,  
33 Permits, and Policy  
34 U.S. Department of Energy  
35 DOE Richland Field Office

\_\_\_\_\_ Date

36 *R E Lerch*  
37 \_\_\_\_\_  
38 R. E. Lerch, Manager  
39 Environmental Division  
40 Westinghouse Hanford Company

\_\_\_\_\_ *6-3-92*  
\_\_\_\_\_ Date

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ATTACHMENT 3

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<b>Author</b> R. D. Izatt and R. E. Lerch (D. G. Saueressig, WHC)	<b>Addressee</b> P. T. Day, EPA D. B. Jansen, Ecology	<b>Correspondence No.</b> Incoming: 9205027 XRef: 9254021D
<b>Subject:</b> 224-T TRANSURANIC WASTE STORAGE AND ASSAY FACILITY DANGEROUS WASTE PERMIT APPLICATION (HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER MILESTONE NUMBER M-20-23, GROUP NUMBER S-2-2)		

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