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Department of Energy

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

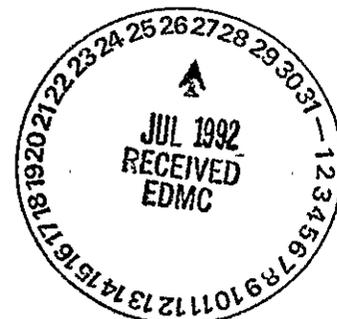
Dear Messrs. Day and Jansen:

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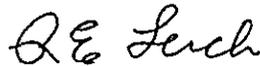
Should you have any questions regarding this permit application, please contact Mr. C. E. Clark of the U.S. Department of Energy, Richland Field Office on (509) 376-9333, or Ms. S. M. Price of the Westinghouse Hanford Company on (509) 376-1653.

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. Name of proposed project, if applicable:

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

2. Name of applicants:

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

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

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

Contact Persons:

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

4. Date checklist prepared:

May 29, 1992

5. Agency requesting checklist:

Washington State
Department of Ecology
Nuclear and Mixed Waste Program
Mail Stop PV-11
Olympia, Washington 98504-8711

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

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

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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 6 1 0 0 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 **I. 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

9 2 1 2 6 8 0 7 8 2

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 1 8 0 7 3 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 8 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

- 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 6 4 8 0 7 3 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

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

Not applicable.

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

None.

9. Housing

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

Not applicable.

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

Not applicable.

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

Not applicable.

10. Aesthetics

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

Not applicable.

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

Not applicable.

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

Not applicable.

11. Light and Glare

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

Not applicable.

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

No.

- 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).
51

9 2 1 2 6 1 8 0 7 9 0

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 4 8 0 7 9 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 Electricity, telephone, fire protection, and potable water.

12
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 None.

19
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 R. D. Izatt, Program Manager
31 Office of Environmental Assurance,
32 Permits, and Policy
33 U.S. Department of Energy
34 DOE Richland Field Office
35

Date

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

6-3-92
Date

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ATTACHMENT 3

9 2 1 2 6 4 8 0 7 9 3

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Author R. D. Izatt and R. E. Lerch (D. G. Saueressig, WHC)	Addressee P. T. Day, EPA D. B. Jansen, Ecology	Correspondence No. Incoming: 9205027 XRef: 9254021D
Subject: 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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