



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

10-AMCP-0172

JUN 21 2010

Ms. J. A. Hedges, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton
Richland, Washington 99354

Dear Ms. Hedges:

STATE ENVIRONMENTAL POLICY ACT ENVIRONMENTAL CHECKLIST FOR THE
600 AREA PURGEWATER STORAGE AND TREATMENT FACILITY CLOSURE,
REVISION 1, JUNE 2010

This letter transmits the revised State Environmental Policy Act Environmental Checklist for the
600 Area Purgewater Storage and Treatment Facility Closure, Revision 1, June 2010 to the State
of Washington Department of Ecology for approval.

Revision 0 was submitted to Ecology (10-AMCP-0087) on February 17, 2010. Revision 1
reflects site restoration, rather than revegetation, to support closure of the 600 Area Purgewater
Storage and Treatment Facility consistent with Section 6.1 of the closure/postclosure plan in
accordance with Ecology's March 11, 2010, letter.

If you have any questions, please contact me, or your staff may contact Matt McCormick,
Assistant Manager for the Central Plateau, on (509) 373-9971.

Sincerely,

A handwritten signature in black ink that reads "David A. Brockman". The signature is fluid and cursive, with a long horizontal line extending to the right.

David A. Brockman
Manager

AMCP:RDH

Attachment

cc: See Page 2

Ms. J. A. Hedges
10-AMCP-0172

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JUN 21 2010

cc w/attach:

D. G. Black, CHPRC
G. Bohnee, NPT
F. W. Bond, Ecology
L. Buck, Wanapum
C. E. Cameron, EPA
K. A. Conaway, Ecology
D. A. Faulk, EPA
S. Harris, CTUIR
M. T. Jansky, CHPRC
R. Jim, YN
D. L. Klages, FFS
S. L. Leckband, HAB
K. Niles, ODOE
R. W. Oldham, CHPRC
R. E. Piippo, MSA
D. Rowland, YN
E. R. Skinnerland, Ecology
J. G. Vance, MSA
Administrative Record
Ecology NWP Library
Environmental Portal

**STATE ENVIRONMENTAL POLICY ACT
ENVIRONMENTAL CHECKLIST**

FOR THE

600 AREA PURGEWATER STORAGE AND TREATMENT FACILITY CLOSURE

REVISION 1

JUNE 2010

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

A. BACKGROUND

Name of proposed project, if applicable:

This *State Environmental Policy Act (SEPA) of 1971* Environmental Checklist is being submitted for closure of the 600 Area Purgewater Storage and Treatment Facility (600 Area PSTF) Modular Unit #1, which will be included in the Hanford Facility Dangerous Waste Permit as Closure Group (CG) Unit #8.

Name of applicants:

U.S. Department of Energy, Richland Operations Office (DOE-RL).

Address and phone number of applicants and contact persons:

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

Contact:

David A. Brockman, Manager
Richland Operations Office
(509) 376-7395

Date checklist prepared:

June 2010

Agency requesting the checklist:

Washington State Department of Ecology
Nuclear Waste Program
3100 Port of Benton Blvd.
Richland, WA 99354

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

The 600 Area PSTF Modular Unit #1 currently is operating under interim status. A *Resource Conservation and Recovery Act of 1976 (RCRA)* Closure Plan has been prepared (DOE/RL-2008-73, Revision 0, *Hanford Facility Dangerous Waste Closure/Postclosure Plan for the 600 Area Purgewater Storage and Treatment Facility*, February 2010) and considered complete by Ecology (March 2010).

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

No. There are no plans for future additions or expansions; the 600 Area PSTF will be closed.

1 **List any environmental information you know about that has been prepared, or will be prepared,**
2 **directly related to this proposal.**

- 3 • Revision 0, "SEPA Environmental Checklist for the Purgewater Storage and Treatment Facility
4 (PSTF) Unit #1 Closure," February 2010.
- 5 • DOE/RL-2008-73, Revision 0, *Hanford Facility Dangerous Waste Closure/Postclosure Plan for*
6 *the 600 Area Purgewater Storage and Treatment Facility*, February 2010)
- 7 • "Demolition of the Purgewater Storage and Treatment Facility (PSTF) Unit #1, (NOC 747) (EU
8 465)", approval (August 11, 2009) by the State of Washington Department of Health of Notice of
9 Construction application (DOE/RL-2009-49, Revision 0, *Radioactive Air Emissions Notice of*
10 *Construction for Demolition of the Purgewater Storage and Treatment Facility (PSTF) Unit #1*,
11 dated June 18, 2009).
- 12 • DOE-90-ERB-073, *Strategy for Handling and Disposing of Purgewater at the Hanford Site*,
13 *Washington*.

14 In addition, general information concerning the Hanford Facility environment can be found in the
15 *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNNL-6415 (latest revision).
16 This document is updated annually by Pacific Northwest National Laboratory (PNNL), and provides
17 current information concerning climate and meteorology, ecology, history and archeology,
18 socioeconomic, land use and noise levels, and geology and hydrology. These baseline data for the
19 Hanford Site and past activities are useful for evaluating proposed activities and their potential
20 environmental impacts.

21
22 **Do you know whether applications are pending for government approvals of other proposals**
23 **directly affecting the property covered by your proposal? If yes, explain.**

24 No.

25
26 **List any government approvals or permits that will be needed for your proposal, if known.**

27 Ecology is the lead regulatory agency authorized to approve the RCRA/Dangerous Waste Closure Plan
28 for the 600 Area PSTF CG Unit #8. No other permits are known to be required at this time.

29
30 **Give brief, complete description of your proposal, including the proposed uses and the size of the**
31 **project and site. There are several questions later in this checklist that ask you to describe**
32 **certain aspects of your proposal. You do not need to repeat those answers on this page.**

33 The current 600 Area PSTF CG Unit #8 consists of one aboveground, open-containment
34 vessel (i.e., Modular Unit #1, "ModuTankTM") located just east of the 200 Area Effluent
35 Treatment Facility on the Hanford Site. The surrounding area is undeveloped desert.

36
37 Originally, two dangerous waste management units in the 600 Area PSTF CG Unit #8,
38 (Modular Unit #1 and Modular Unit #2) were designed and built to store extracted
39 groundwater and well development water (also known as purgewater) resulting from
40 groundwater monitoring activities on the Hanford Site. Modular Unit 1 and Modular Unit 2
41 were built as free-standing units. The capacity of the units is 3,785,400 liters (L)

1 [1,000,000 gallons (gal)] each. The units have steel sidewalls that support a double layer of
2 flexible membrane liners (FMLs). The FMLs are 80-mil high-density polyethylene, separated
3 by a geotextile layer. A leak detection system consisting of a standpipe with measurable
4 depth and sampling capability is connected between the two liners. Only one of the units
5 (600 Area PSTF Modular Unit #1) has been operational since 1990. The second unit (600
6 Area PSTF Modular Unit #2) was never placed into active service under the *Resource*
7 *Conservation and Recovery Act of 1976* (RCRA). The proposed action would close out the 600
8 Area PSTF CG Unit #8¹.

9
10 The closure of the 600 Area PSTF Modular Unit #1 would be a RCRA/Dangerous Waste
11 closure by removal and decontamination (clean-closure). Potentially contaminated waste
12 residues, plastic liners, metal sidewalls, leachate collection system components, and loading
13 facility components will be removed and disposed of at the Environmental Restoration
14 Disposal Facility (ERDF) in accordance with the ERDF waste acceptance criteria.

15
16 Sampling and analysis of the sediments would be performed if necessary, to meet waste
17 acceptance criteria for waste disposal profiling using an approved sampling technique. Prior
18 to the execution of sediment sampling, annual sediment sampling data results would be
19 reviewed to determine if existing data meet waste acceptance criteria for disposal of the
20 sediments in ERDF. The sampling approach would be appropriate for waste characterization
21 to ensure compliance with the receiving facility's waste acceptance criteria.

22
23 If the sediments either fail to meet applicable RCRA/Dangerous Waste land disposal
24 restrictions (LDR) treatment standards (WAC 173-303-140), they would be treated prior to
25 disposal. A separate bench-scale test plan and sampling and analysis plan would be
26 developed for any treatment design and incorporated into the RCRA/Dangerous Waste
27 closure. The treatment method used for metals concentrations would be stabilization (i.e.,
28 grouting) in accordance with the LDR treatment standard for all inorganic underlying
29 hazardous constituents. Although not expected, additional treatment may be necessary to
30 address the LDR treatment standard for carbon tetrachloride or other organics identified as
31 underlying hazardous constituents.

32
33 At the start of closure for the 600 Area PSTF Modular Unit #1, water content in the unit
34 would be reduced using natural evaporation, mechanical methods (e.g., pumping, filtration),
35 and/or absorbent material until the sediments are dry enough to remove. Air dispersal
36 mitigation measures (e.g., application of a soil fixative) would be implemented to control
37 dust and prevent the airborne spread of potential contaminants. The sediments and structures
38 for Modular Unit #1 would be removed using standard industrial equipment used for
39 demolition and/or excavation. This waste would be packaged to meet ERDF acceptance
40 criteria and loaded into transport containers for shipment to the ERDF. Approximately 1 m
41 (3.3 ft) of soil under the bottom liner also could be removed and disposed at ERDF. Any

¹ 600 Area PSTF Modular Unit #2 has been refurbished and operates under *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) for storage of extracted groundwater and purgewater. A third unit has been constructed and also will operate under CERCLA.

1 sediment material introduced to the underlying soil as a result of spillage from the top and
2 bottom liners would be removed and disposed at ERDF under a waste profile. Materials
3 generated during the closure would be staged in a waste storage area established near the
4 removal area prior to shipment. Verification sampling and equipment decontamination will
5 be conducted as appropriate.

6
7 After all sediments, liners and support equipment/structures have been removed, and
8 verification sampling results show the site to be clean, the site will be graded to an even
9 surface and sloped slightly to prevent pooling of precipitation. Water and crusting agents or
10 mulch will be utilized to prevent soil erosion and to limit dust emissions until the area has
11 been graveled.

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

20 The 600 Area PSTF Closure Unit #8 is located in the 600 Area of the Hanford Site. Related figures
21 and maps are provided in the RCRA/Dangerous Waste Closure Plan (DOE/RL-2008-73).

TO BE COMPLETED BY APPLICANT

**EVALUATIONS FOR
AGENCY USE ONLY**

1 **B. ENVIRONMENTAL ELEMENTS**

2 **1. Earth**

3 **a. General description of the site (circle one): Flat, rolling, hilly,**
4 **steep slopes, mountainous, other _____.**

5 Flat.

6
7 **b. What is the steepest slope on the site (approximate percent**
8 **slope)?**

9 The approximate slope of the land is less than 2 percent.

10
11 **c. What general types of soils are found on the site? (for example,**
12 **clay, sandy gravel, peat, muck)? If you know the classification of**
13 **agricultural soils, specify them and note any prime farmland.**

14 Soil types consist mainly of eolian and fluvial sands and gravel.
15 More detailed information concerning specific soil classifications
16 can be found in the *Hanford Site National Environmental Policy Act*
17 *(NEPA) Characterization*, PNNL-6415 (latest revision). Farming is
18 not permitted on the Hanford Facility; no agricultural activities are
19 allowed in the Hanford 600 Area.

20
21 **d. Are there surface indications or history of unstable soils in the**
22 **immediate vicinity? If so, describe.**

23 No.

24
25 **e. Describe the purpose, type, and approximate quantities of any**
26 **filling or grading proposed. Indicate source of fill.**

27 After all removals have been completed, and verification sampling
28 results show the site to be clean, the site will be graded to an even
29 surface and sloped slightly to prevent pooling of precipitation. Water
30 and crusting agents or mulch will be utilized to prevent soil erosion
31 and to limit dust emissions until the area has been graveled.

32
33 **f. Could erosion occur as a result of clearing, construction, or use?**
34 **If so, generally describe.**

35 No.

36

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**EVALUATIONS FOR
AGENCY USE ONLY**

1 **g. About what percent of the site will be covered with impervious**
2 **surfaces after project construction (for example, asphalt or**
3 **buildings)?**

4 Closure of Modular Unit #1 will remove impervious surfaces; 100
5 percent of the site will be uncovered as a result of closure activities.
6

7 **h. Proposed measures to reduce or control erosion, or other**
8 **impacts to the earth, if any:**

9 See B.1.d. Water and crusting agents or mulch will be utilized to
10 prevent soil erosion and to limit dust emissions until the area has
11 been graveled.
12

13 **Air**

14 **a. What types of emissions to the air would result from the**
15 **proposal (i.e., dust, automobile, odors, industrial wood smoke)**
16 **during construction and when the project is completed? If any,**
17 **generally describe and give approximate quantities, if known.**

18 Minor amounts of dust and vehicular exhaust could be generated
19 from closure activities. Minor amounts of potential contaminants in
20 the soil could be released.
21

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

24 No.
25

26 **c. Proposed measures to reduce or control emissions or other**
27 **impacts to the air, if any?**

28 Good engineering practices would be followed, and actions would
29 comply with on-site procedures designed to protect the environment,
30 personnel safety and health. For example, a commonly used soil
31 fixative could be applied to control dust and prevent the airborne
32 spread of potential contaminants.
33

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**EVALUATIONS FOR
AGENCY USE ONLY**

1 **Water**

2 **a. Surface**

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

8 No. The Columbia River is located to the north and east of the
9 600 Area PSTF CG Unit #8, and is located more than seven
10 kilometers from the Columbia River.

- 11
12 **2) Will the project require any work over, in, or adjacent to**
13 **(within 200 feet) the described waters? If yes, please describe**
14 **and attach available plans.**

15 No.

- 16
17 **3) Estimate the amount of fill and dredge material that would**
18 **be placed in or removed from surface water or wetlands and**
19 **indicate the area of the site that would be affected. Indicate**
20 **the source of fill material.**

21 None.

- 22
23 **4) Will the proposal require surface water withdrawals or**
24 **diversions? Give general description, purpose, and**
25 **approximate quantities if known.**

26 The Hanford Site uses surface water withdrawn from the
27 Columbia River. The DOE-RL withdraws the water under a
28 Federal government water right through an existing water
29 distribution system. A small amount of water may be used for
30 dust suppression during closure activities.

- 31
32 **5) Does the proposal lie within a 100-year floodplain? If so, note**
33 **location on the site plan.**

34 No. The 600 Area PSTF CG Unit #8 is not within the 100-year
35 or 500-year floodplain [*Hanford Site National Environmental*
36 *Policy Act (NEPA) Characterization, PNNL-6415 (latest*
37 *revision)*].
38

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**EVALUATIONS FOR
AGENCY USE ONLY**

1 **6) Does the proposal involve any discharges of waste materials**
2 **to surface waters? If so, describe the type of waste and**
3 **anticipated volume of discharge.**

4 No.

6 **b. Ground**

7 **1) Will ground water be withdrawn, or will water be discharged**
8 **to ground water? Give general description, purpose, and**
9 **approximate quantities if known.**

10 No.

12 **2) Describe waste material that will be discharged into the**
13 **ground from septic tanks or other sources, if any (for**
14 **example: Domestic sewage; industrial, containing the**
15 **following chemicals...; agricultural; etc.). Describe the**
16 **general size of the system, the number of such systems, the**
17 **number of houses to be served (if applicable), or the number**
18 **of animals or humans the system(s) are expected to serve.**

19 None.

21 **c. Water Run-off (including storm water)**

22 **1) Describe the source of run-off (including storm water) and**
23 **method of collection and disposal, if any (include quantities,**
24 **if known). Where will this water flow? Will this water flow**
25 **into other waters? If so, describe.**

26 The Hanford Facility receives only 15.2 to 17.8 centimeters of
27 annual precipitation. Rainfall and snowmelt runs off the existing
28 structures and seeps into the soil on and near the buildings.
29 Closure activities would remove Modular Unit #1 of the 600
30 Area PSTF CG Unit #8.

32 **2) Could waste materials enter ground or surface waters? If so,**
33 **generally describe.**

34 Engineering controls during closure activities will prevent waste
35 from entering the groundwater.

37 **d. Proposed measures to reduce or control surface, ground, and**
38 **run-off water impacts, if any:**

39 None.

40

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**EVALUATIONS FOR
AGENCY USE ONLY**

1 **Plants**

2 **a. Check or circle the types of vegetation found on the site.**

- 3 deciduous tree: alder, maple, aspen, other
- 4 evergreen tree: fir, cedar, pine, other
- 5 shrubs
- 6 grass
- 7 pasture
- 8 crop or grain
- 9 wet soil plants: cattail, buttercup, bulrush, skunk cabbage,
- 10 other
- 11 water plants: water lily, eelgrass, milfoil, other
- 12 other types of vegetation

13
14 The most common vegetation community in the 600 Area is
15 sagebrush/cheat grass or Sandberg's bluegrass. Native vegetation in
16 the immediate vicinity of the 600 Area PSTF CG Unit #8 has been
17 eradicated.

18
19 **b. What kind and amount of vegetation will be removed or altered?**

20 None.

21
22 **c. List threatened or endangered species known to be on or near**
23 **the site.**

24 Although the Hanford Facility contains some federal and state listed
25 threatened and endangered plant and animal species, none are known
26 to be on or near the 600 Area PSTF CG Unit #8. Additional
27 information on species can be found in *Hanford Site National*
28 *Environmental Policy Act (NEPA) Characterization*, PNNL-6415
29 (latest revision).

30
31 **d. Proposed landscaping, use of native plants, or other measures to**
32 **preserve or enhance vegetation on the site, if any:**

33 The site will be graded to an even surface and sloped slightly to
34 prevent pooling of precipitation; the area will be graveled. Such
35 activities will be in accordance with the *Hanford Site Biological*
36 *Resources Management Plan* (DOE/RL-96-32) and *Biological*
37 *Resources Mitigation Strategy* (DOE/RL-96-88).

38

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**EVALUATIONS FOR
AGENCY USE ONLY**

1 **Animals**

- 2 **a. Indicate (by underlining) any birds and animals which have been**
3 **observed on or near the site or are known to be on or near the**
4 **site:**

5 birds: Raptors (burrowing owls, ferruginous, redtail, and Swainson's
6 hawks) eagles, songbirds,
7 mammals: deer, elk, coyotes, rabbits, rodents.

8
9 Additional information on animals can be found in *Hanford Site*
10 *National Environmental Policy Act (NEPA) Characterization,*
11 *PNNL-6415 (latest revision).*

- 12
13
14 **b. List any threatened or endangered species known to be on or**
15 **near the site.**

16 No federal threatened or endangered species have been identified on
17 the 1,517 square kilometer Hanford Site. The state listed American
18 white pelican (endangered), sandhill crane, (endangered) and
19 ferruginous hawk (threatened) do occur on or migrate through the
20 Hanford Site.

- 21
22 **c. Is the site part of a migration route? If so, explain.**

23 The Hanford Site is a part of the broad Pacific Flyway. However,
24 the 600 Area PSTF CG Unit #8 is not known as a permanent haven
25 for migratory birds.

- 26
27 **d. Proposed measures to preserve or enhance wildlife, if any:**

28 This project contains no specific measures to preserve or enhance
29 wildlife.

30
31 **Energy and Natural Resources**

- 32 **a. What kinds of energy (electric, natural gas, oil, wood stove,**
33 **solar) will be used to meet the completed project's energy needs?**
34 **Describe whether it will be used for heating, manufacturing, etc.**

35 Diesel fuel, gasoline, and oil will be used during closure activities.

- 36
37 **b. Would your project affect the potential use of solar energy by**
38 **adjacent properties? If so, generally describe.**

39 No.

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**EVALUATIONS FOR
AGENCY USE ONLY**

- 1 c. **What kinds of energy conservation features are included in the**
2 **plans of this proposal? List other proposed measures to reduce**
3 **or control energy impacts, if any:**

4 None.

5
6 **Environmental Health**

- 7 a. **Are there any environmental health hazards, including exposure**
8 **to toxic chemicals, risk of fire and explosion, spill, or hazardous**
9 **waste that could occur as a result of this proposal? If so,**
10 **describe.**

11 Yes. See item 2) below.

- 12
13 **1) Describe special emergency services that might be required.**

14 The Hanford Site fire department provides continuous response
15 for fires, spills, and personnel injuries on the Hanford Site. For
16 security events, the Hanford Patrol coordinates responses.

- 17
18 **2) Proposed measures to reduce or control environmental**
19 **health hazards, if any:**

20 Closure activities at the 600 Area PSTF CG Unit #8 will eliminate
21 hazardous waste materials at that site. The resultant waste will be
22 transferred to a facility that has been designed and legally authorized
23 to safely contain such contaminants. DOE expects that the primary
24 facility to receive contaminated soils will be the Hanford
25 Environmental Restoration Disposal Facility (ERDF).

- 26
27 **b. Noise**

- 28 **1) What type of noise exists in the area which may affect your**
29 **project (for example: traffic, equipment, operation, other)?**

30 While there is a minor amount of traffic, operation, and
31 equipment noise in the vicinity, there would be minimal affect to
32 personnel performing closure activities at 600 Area PSTF CG
33 Unit #8.

- 34
35 **2) What types and levels of noise would be created by or**
36 **associated with the project on a short-term or a long-term**
37 **basis (for example: traffic, construction, operation, other)?**
38 **Indicate what hours noise would come from the site.**

39 Minor amounts of noise from traffic and equipment (e.g., truck)
40 are expected during closure activities.

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**EVALUATIONS FOR
AGENCY USE ONLY**

1
2 **3) Proposed measures to reduce or control noise impacts, if**
3 **any:**

4 None. Noise levels are not substantial or incompatible with
5 activities in the industrial area; noise reduction measures are not
6 necessary.

7
8 **Land and Shoreline Use**

9 **a. What is the current use of the site and adjacent properties?**

10 The Hanford Facility is a single RCRA/Dangerous Waste Facility
11 identified by the U.S. Environmental Protection Agency (EPA)/State
12 Identification Number WA7 89000 8967. The Hanford Facility
13 (including the 600 Area PSTF CG Unit #8) consists of all contiguous
14 land, and structures, other appurtenances, and improvements on the
15 land, used for recycling, reusing, reclaiming, transferring, storing,
16 treating, or disposing of dangerous waste, which, for the purposes of
17 RCRA/Dangerous Waste, are owned by the U.S. Government and
18 operated by the DOE-RL (excluding lands north and east of the
19 Columbia River, river islands, lands owned or used by the
20 Bonneville Power Administration, lands leased to Energy Northwest,
21 and lands owned by or leased to Washington State).

22
23 **b. Has the site been used for agriculture? If so, describe.**

24 No portion of the 600 Area has been used for agricultural purposes
25 since 1943.

26
27 **c. Describe any structures on the site.**

28 The 600 Area PSTF CG Unit #8 is located in proximity to the 200
29 East Area Effluent Treatment Facility.

30
31 **d. Will any structures be demolished? If so, what?**

32 Closure activities will demolish the 600 Area PSTF Modular Unit
33 #1.

34
35 **e. What is the current zoning classification of the site?**

36 The Hanford Site is currently included in Public Lands designation
37 in the Benton County Comprehensive Plan (June 22, 1998) (internet
38 address: <http://206.61.210.104/pl/compplan/forward.htm>). The Plan
39 is being revised, and will address the Hanford Site as a separate
40 geographic component, or "Sub-Area" with its own Land Use Plan

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**EVALUATIONS FOR
AGENCY USE ONLY**

1 (under development as Chapter 13 in the aforementioned Benton
2 County Comprehensive Plan).

3
4 **f. What is the current comprehensive plan designation of the site?**

5 The *Hanford Comprehensive Land-Use Plan Environmental Impact*
6 *Statement Record of Decision* (64 FR 61615, November 12, 1999)
7 stated that the Central Plateau (200 Areas and the 600 Area between
8 200 East Area and 200 West Area) geographic area is designated
9 Industrial-Exclusive. An amended Record of Decision (73 FR
10 55824) did not change the Industrial-Exclusive land use designation
11 for the 200/600 Areas.

12
13 **g. If applicable, what is the current shoreline master program**
14 **designation of the site?**

15 Not applicable.

16
17 **h. Has any part of the site been classified as an "environmentally**
18 **sensitive" area? If so, specify.**

19 No.

20
21 **i. Approximately how many people would reside or work in the**
22 **completed project?**

23 No people would reside or work at the 600 Area PSTF CG Unit #8
24 after closure.

25
26 **j. Approximately how many people would the completed project**
27 **displace?**

28 None.

29
30 **k. Proposed measures to avoid or reduce displacement impacts, if**
31 **any:**

32 Does not apply.

33
34 **l. Proposed measures to ensure the proposal is compatible with**
35 **existing and projected land uses and plans, if any:**

36 Does not apply (refer to Section B.8.f.).
37

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**EVALUATIONS FOR
AGENCY USE ONLY**

1 **Housing**

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

4 None.

5
6 b. **Approximately how many units, if any, would be eliminated?**
7 **Indicate whether high, middle, or low-income housing.**

8 None.

9
10 c. **Proposed measures to reduce or control housing impacts, if any:**

11 Does not apply.

12
13 **Aesthetics**

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

17 No new structures are being proposed. The existing 600 Area PSTF
18 Modular Unit #1 would be removed and the site would be graded to
19 ground level.

20
21 b. **What views in the immediate vicinity would be altered or**
22 **obstructed?**

23 None.

24
25 c. **Proposed measures to reduce or control aesthetic impacts, if any:**

26 None.

27
28 **Light and Glare**

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

31 None.

32
33
34 b. **Could light or glare from the finished project be a safety hazard**
35 **or interfere with views?**

36 No.

37

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**EVALUATIONS FOR
AGENCY USE ONLY**

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

3 None.

4
5 **d. Proposed measures to reduce or control light and glare impacts,**
6 **if any:**

7 None.

8
9 **Recreation**

10 **a. What designated and informal recreational opportunities are in**
11 **the immediate vicinity?**

12 None.

13
14 **b. Would the proposed project displace any existing recreational**
15 **uses? If so, describe.**

16 No.

17
18 **c. Proposed measures to reduce or control impacts on recreation,**
19 **including recreation opportunities to be provided by the project**
20 **or applicant, if any?**

21 None.

22
23 **Historic and Cultural Preservation**

24 **a. Are there any places or objects listed on, or proposed for,**
25 **national, state, or local preservation registers known to be on or**
26 **next to the site? If so, generally describe.**

27 No places or objects listed on, or proposed for national, state, or local
28 preservation registers are known to be next to the 600 Area PSTF
29 CG Unit #8.

30
31 **b. Generally describe any landmarks or evidence of historic,**
32 **archaeological, scientific, or cultural importance known to be on**
33 **or next to the site.**

34 See response to B.13.A. There are no known archaeological or
35 Native American religious sites in the vicinity of the 600 Area PSTF
36 CG Unit #8.

37

TO BE COMPLETED BY APPLICANT

**EVALUATIONS FOR
AGENCY USE ONLY**

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

2 Not applicable; see response to B.13.A.
3

4 **Transportation**

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

8 No public streets or highways serve the 600 Area PSTF CG Unit #8.
9

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

12 The Hanford Site is not accessible to the public or served by public
13 transit. It is approximately 40 kilometers to the city of Richland with
14 the nearest transit stop.
15

16 **c. How many parking spaces would the completed project have?**
17 **How many would the project eliminate?**

18 None.
19

20 **d. Will the proposal require any new roads or streets, or**
21 **improvements to existing roads or streets, not including**
22 **driveways? If so, generally describe (indicate whether public or**
23 **private).**

24 No.
25

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

28 No.
29

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

33 This proposal does not increase the peak traffic volumes; the number
34 of vehicular trips would remain at the present rate.
35

36 **g. Proposed measures to reduce or control transportation impacts,**
37 **if any:**

38 None.
39

TO BE COMPLETED BY APPLICANT

**EVALUATIONS FOR
AGENCY USE ONLY**

1 **Public Services**

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

5 No.

6
7 **b. Proposed measures to reduce or control direct impacts on public**
8 **services, if any:**

9 Not applicable.

10

11 **Utilities**

12 **a. Circle utilities currently available at the site: electricity, natural**
13 **gas, water, refuse service, telephone, sanitary sewer, septic**
14 **system, other:**

15 Electrical power is provided to the 600 Area PSTF CG Unit #8 via a
16 13.8 kV electrical line.

17

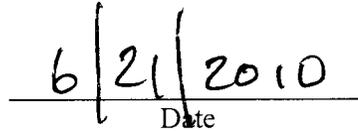
18 **b. Describe the utilities that are proposed for the project, the utility**
19 **providing the service, and the general construction activities on**
20 **the site or in the immediate vicinity which might be needed.**

21 No new utilities are proposed for closure of the 600 Area PSTF CG
22 Unit #8.

1 **SIGNATURES**

2
3 The above answers are true and complete to the best of my knowledge. I understand that the lead agency
4 is relying on them to make its decision.

5
6
7 

8
9 

10 Mr. David A. Brockman, Manager
11 U.S. Department of Energy
12 Richland Operations Office

13
14
15
Date