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

16-ESQ-0111

AUG 09 2016

Ms. Alexandra Smith, Program Manager  
Nuclear Waste Program  
Washington State Department of Ecology  
3100 Port of Benton Boulevard  
Richland, Washington 99354

Dear Ms. Smith:

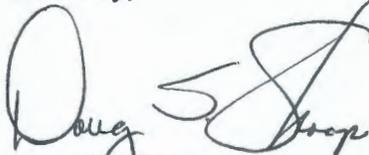
**SUBMITTAL OF STATE ENVIRONMENTAL POLICY ACT ENVIRONMENTAL  
CHECKLIST FOR HANFORD FACILITY 324 BUILDING DANGEROUS WASTE  
MANAGEMENT UNITS CLOSURE PLAN**

To support Tri-Party Agreement (TPA) Milestone M-089-06, the U.S. Department of Energy Richland Operations Office submits the State Environmental Policy Act Checklist for the Hanford Facility 324 Building Dangerous Waste Management Units Closure Plan. The TPA Milestone M-089-06 states the following:

“Submit to Ecology in accordance with procedures in WAC 173-303-830(4)(b), a request for a Class 2 modification to Hanford Dangerous Waste Permit, to include in the Permit the “324 Building Radiochemical Engineering Cells, High-Level Vault, Low-Level Vault, and Associated Area Closure Plan” (Closure Plan), DOE/RL-96-73 revised as necessary to address releases to the soil and to ensure compliance with requirements of WAC-173-303-610. DOE’s revised closure plan will include a schedule for completing closure activities.”

If you have any questions, please contact me, or your staff may contact Jeffrey A. Frey, Assistant Manager for Safety and Environment, on (509) 376-7727.

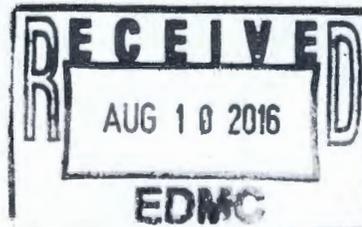
Sincerely,

  
Doug S. Shoop  
Manager

ESQ:DBC

Attachment

cc: See page 2



Ms. Alexandra Smith  
16-ESQ-0111

-2-

AUG 09 2016

cc w/attach:

Laura J. Cusack, CHPRC  
Suzanne L. Dahl-Crumpler, Ecology  
Moses N. Jaraysi, CHPRC  
Stephanie K. Johansen, CHPRC  
Stephanie Schleif, Ecology  
Administrative Record  
Ecology NWP Library  
Environmental Portal, G3-35  
HF Operating Record (J. K. Perry, MSA, A3-01)

cc w/o attach:

Gabriel Bohnee, NPT  
Rex Buck, Wanapum  
Russell Jim, YN  
David Rowland, YN  
Rod Skeen, CTUIR

**STATE ENVIRONMENTAL POLICY ACT  
ENVIRONMENTAL CHECKLIST**

**FOR**

**HANFORD FACILITY  
324 BUILDING DANGEROUS WASTE  
MANAGEMENT UNITS CLOSURE PLAN  
REVISION 2**

**JUNE 2016**

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

## **A. Background**

### **1. Name of proposed project, if applicable:**

This State Environmental Policy Act (SEPA) of 1971 Environmental Checklist is being submitted for closure of the Hanford Facility, 324 Building Radiochemical Engineering Cells (REC), High-Level Vault (HLV), Low-Level Vault (LLV), and Associated Areas. The waste in these aforementioned areas will be removed or treated then removed and the areas closed with respect to dangerous waste contamination that resulted from treatment operations as a Resource Conservation and Recovery Act (RCRA) of 1976 treatment, storage, and/or disposal (TSD) unit.

### **2. Name of applicant:**

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

### **3. Address and phone number of applicant and contact person:**

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

Contact:

Doug S. Shoop, Manager  
Richland Operations Office  
509-376-7395

### **4. Date checklist prepared:**

June 2016

### **5. Agency requesting checklist:**

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

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

This SEPA Environmental Checklist is being submitted concurrently with a draft closure plan prepared in accordance with Washington Administrative Code (WAC) 173-303 Dangerous Waste Regulations. Overall disposition of the 324 Building and underlying contaminated soils, including achieving RCRA closure of the 324 Building Mixed Waste Units, will occur over roughly four phases of the project. RCRA closure will be completed at the end of the third phase. Actual start of the project has yet to be

determined. A permit modification to the Hanford Facility Dangerous Waste Permit WA7890008967 to facilitate RCRA closure was submitted on June 30, 2016.

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

Following completion of RCRA closure activities, follow-on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) response actions are necessary to remove remaining (non-RCRA) portions of the 324 Building and remediate contaminated soils associated with the 300-296 waste site that currently lies beneath a portion of the building.

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

Existing CERCLA decision documentation addresses demolition of the 324 Building and remediation of the underlying contaminated soils. An Engineering Evaluation/Cost Analysis and Action Memorandum facilitate building demolition. A Remedial Investigation/Feasibility Study, Proposed Plan, and Final Action Record of Decision address remediation of contaminated soils. These CERCLA decision documents consider all Applicable and Relevant and Appropriate (ARAR) environmental criteria, which includes National Environmental Policy Act values.

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

No other approvals or proposals related to this property are pending at this time.

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

As established in Sections 7 and 8 above, authorizations exist to perform both removal and remediation actions pursuant to CERCLA. 324 Building Mixed Waste Units closure will require a modification to the Hanford Facility Dangerous Waste Permit WA7890008967 to include the 324 Building under Section V, Closure Units. No other permits are needed.

**11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)**

The 324 Building is an existing radiological research laboratory located in the 300 Area of the Hanford Site. Portions of the facility and some underlying soils remain highly contaminated from research activities conducted from the late 1960s through the 1990s. The United States Department of Energy has declared the facility surplus with no further use, which invokes both CERCLA response action and RCRA closure activities. The

324 Building is currently under a Surveillance and Maintenance standby mode until the initiation of decommissioning.

RCRA closure activities will occur over three of four overall phases of 324 Building disposition as follows:

Phase 1 consists of internal facility modifications and setup for remote retrieval of high-activity soils underlying the building through the floor of B-Cell. The majority of contaminated soils will be placed in adjacent hot-cells for later disposition. Some soil and equipment will require packaging and shipment from the building to the Environmental Disposal Facility (ERDF) for disposal.

Phase 2 consists of decommissioning the building and performing activities in preparation for demolition, and then performing initial demolition of structures and building components surrounding the Radiochemical Engineering Cells (REC complex).

Phase 3 consists of segmenting the REC complex and high and low-level vaults into monoliths via standard industry techniques (i.e., diamond wire sawing). Following segmentation, the monoliths will be lifted with heavy equipment and packaged for transport and disposal at ERDF. Completion of Phase 3 will satisfy RCRA closure performance standards, which is the basis for submittal of this SEPA checklist.

Phase 4 consists of completing demolition of any remaining structures and remediation of remaining soil contamination pursuant to CERCLA. Soil remediation will be followed by backfill of the excavation and revegetation of the site in accordance with the Final Action Record of Decision. Waste generated from all four phases will be disposed of at ERDF.

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

The 324 Building is located immediately east of New Mexico street in the central eastern portion of the 300 Area of the Hanford Site, just north of Richland WA. Approximate coordinates are -119.27495, 46.38650.

## B. ENVIRONMENTAL ELEMENTS

### 1. Earth

#### a. General description of the site:

Flat

#### b. What is the steepest slope on the site (approximate percent slope)?

The site is flat, and the RCRA closure boundary resides completely within the 324 Bldg.

#### c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The soils at the site were originally Quincy Sand, but they have been extensively reworked and include imported backfill and gravel. This site has been extensively developed and is currently zoned industrial. No agricultural land exists. Some soils, imported or native will be removed for disposal during demolition and remediation.

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

There are no indications or history of unstable soils in the immediate vicinity.

#### e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

Closure of the 324 mixed waste units will entail removal of the entire 324 building. Anticipated affected area is 5.05 acres (20,500 square meters). Volume of the final excavation cannot be determined until the extent of the contaminant plume is remediated.

#### f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

The probability of erosion during project execution is low. However, erosion controls, including those for run-on and run-off will be employed as standard practice.

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

Project completion entails backfill and revegetation in accordance with the Final Action ROD. No impervious surfaces will remain.

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

The probability of erosion during project execution is low. However, erosion controls, including those for run-on and run-off will be employed as standard practice. At project completion, the site will be recontoured to prevent erosion.

## 2. Air

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Following shut down of the 324 confinement ventilation system as part of decommissioning, particulate and radioactive air emissions are anticipated. The calculated unabated dose to the maximally exposed individual has not been completed at the time this checklist is submitted. However, it is anticipated to exceed 0.1 millirem/year to the offsite receptor. The existing CERCLA air monitoring plan requires continuous monitoring and application of best available radionuclide control technology (BARCT) for sources that result in a calculated dose greater than 0.1 millirem/year to the offsite receptor. Continuous monitoring and BARCT will be applied during project execution.

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

There are no offsite sources of emission or odors that will affect the 324 RCRA closure.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Continuous monitoring and BARCT will be applied during project execution. Particulate and radiological air emissions will be controlled through the use of demolition techniques that preclude uncontrolled emissions (e.g., prohibitions on use of thermal or energetic forces) and HEPA filtration as appropriate. In addition, emissions sources will be mitigated by the use of encapsulation, stabilization, fixation, and application of dust suppression water.

## 3. Water

- a. Surface Water:

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

There are not permanent or temporary water bodies within the project site. The Columbia River is located approximately 975 feet (300 meters) east of the project location.

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

The project will not require work within 200 feet of the Columbia River.

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

No fill or dredge material will be placed or removed from surface waters or wetlands.

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

The project will not require surface water withdrawals or diversions.

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

The project site is not within the Columbia River 100-year floodplain.

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

The project will not discharge any waste materials to the Columbia River.

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

The project will not withdraw groundwater or discharge to groundwater.

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

The project will not discharge waste material into the ground. Sanitary facilities will be temporary and self-contained.

c. Water runoff (including stormwater):

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

The primary source of water run-off occurs from precipitation. During RCRA closure and demolition of the 324 Building, dust suppression will be used to mitigate airborne particulate emissions. Temporary barriers (e.g., berms) will be installed to control runoff and run-on from both precipitation events and the use of dust control water. These barriers are primarily used to control the spread of radioactive contamination and prevent discharge to the Columbia River.

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

Administrative and engineering controls will be in place during project activities to prevent waste materials from entering ground or surface waters.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site?  
If so, describe.

The project will not affect draining patterns in the vicinity of the site.

- d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

Refer to section c.1 above.

#### 4. Plants

- a. Check the types of vegetation found on the site:

No vegetation at the site.

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

No vegetation will be removed or altered.

- c. List threatened and endangered species known to be on or near the site.

The 324 project site is highly industrialized, no threatened or endangered species are known to be on or near the site.

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

There is essentially no vegetation at the project site. Following RCRA closure and completion of remaining CERCLA remediation, the project site will be revegetated (reference section B.1.g. above) in accordance with the 300 Area Final Action ROD.

- e. List all noxious weeds and invasive species known to be on or near the site.

There are essentially no weeds on or near the site. Weeds are controlled through existing Hanford Site herbicide application programs.

#### 5. Animals

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

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

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

fish: bass, salmon, trout, herring, shellfish, other \_\_\_\_\_

Animal species common to the general 300 Area include song birds, owls, hawks, eagles, ravens, coyotes, mule deer, porcupine, badgers, various rodents, snakes, and occasional elk.

- b. List any threatened and endangered species known to be on or near the site.

No threatened or endangered species are known to be on or near the site.

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

The Hanford Site is a part of the broad Pacific Flyway. However, the 324 Building location is not known as a nesting area for migratory birds.

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

There are no proposed measures to preserve or enhance wildlife associated with the 324 RCRA closure project. The area remains highly industrialized.

- e. List any invasive animal species known to be on or near the site.

Invasive species at the project site include European starlings and pigeons.

## 6. Energy and Natural Resources

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

The 324 Building is currently heated by a natural gas fired boiler, which will be discontinued during decommissioning. Electricity is provided by the City of Richland and temporary power sources (gas and diesel generators) may be used during demolition.

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

The 324 RCRA Closure project will not affect the potential use of solar energy by adjacent properties.

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

No energy conservation features are associated with this project. However, disposition of the 324 Building will permanently eliminate that facility as an energy consumption source.

## 7. Environmental Health

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

Yes, RCRA closure of the 324 Building will entail decommissioning and demolition of a nuclear facility and will result in the generation of radioactive and mixed waste. Physical work will be conducted pursuant to an existing and approved CERCLA work plan that contains provisions to prevent impacts to human health and the environment.

- 1) Describe any known or possible contamination at the site from present or past uses.

The 324 Building is highly contaminated with radiological and chemical constituents from past operations. In addition, a leak from a hot-cell within the building has resulted in highly contaminated soils beneath a portion of the building.

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

Project development and design is intended to remedy the existing contamination within and under the 324 Building. This includes inactive underground radioactive liquid mixed waste piping that enters and leaves the facility. Active natural gas piping is located in the vicinity, but not within the project boundary.

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

Some hazardous chemicals will be used during the project, primarily associated with equipment maintenance. Facility decommissioning and demolition will generate significant quantities of hazardous and radioactive materials and debris.

- 4) Describe special emergency services that might be required.

No special emergency services beyond those provided by the Hanford site are necessary for this project.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

As discussed in several sections above, existing Hanford programs, DOE Orders, procedures, and approved CERCLA work plans implement measures necessary to control environmental and personnel hazards.

#### b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

No noise sources exist the area that would impact the 324 RCRA closure project.

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

Noise associated with nuclear facility decommissioning and demolition will result mainly from the operation of heavy equipment such as cranes, track-hoes, and loaders. The project work hours will be conducted primarily during daylight hours, but backshift work at night may be required.

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

The project lies within a heavily industrialized area that has undergone significant and prior nuclear facility decommissioning and demolition. No measures to reduce or control noise are required.

## 8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The 324 Building is a nuclear hazard category 2 facility located near another operating nuclear hazard category 2 facility (325 Building). The project area lies within the 300 Area of the Hanford site that has been utilized since World War 2 for nuclear material production, testing, and research. 324 Building RCRA closure activities will not affect nearby or adjacent land uses.

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

Homesteads and farms were located in the vicinity of the 300 Area prior to 1943. Since that time, the area has been a secured federal facility used for nuclear material production, testing, and research.

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

The project will not affect, or be affected by, surrounding farms or business operations.

- c. Describe any structures on the site.

The 324 Building is a three story concrete and metal building that encompasses approximately 9,450 square meters. The facility includes a 55 meter tall ventilation stack and several small ancillary structures within the main yard.

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

Yes, the entire building, stack, and ancillary structures will be demolished during RCRA closure.

- e. What is the current zoning classification of the site?

The Hanford Site Comprehensive Land Use Plan designates the 300 Area as "Industrial".

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

The Hanford Site Comprehensive Land Use Plan designates the 300 Area as "Industrial".

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

N/A

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

The 324 Building lies within the central east portion of the 300 Area. No portion of the 300 Area has been classified as a critical area by the nearby City of Richland or the county.

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

None.

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

The completed project would eliminate a current full-time staff supporting 324 operations of approximately 20.

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

No measures to avoid or reduce impacts are required.

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

The project is required by environmental regulation. Measures to ensure compatibility with projected land use plans are not required.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

No agricultural or forest lands of long-term commercial significance are located near the project area.

## 9. Housing

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

No housing is required for this project.

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

No housing will be eliminated by this project.

- 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?

The project will not entail construction of any new structures.

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

No views in the immediate vicinity would be altered or obstructed.

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

No measures to reduce or control aesthetic impacts are required.

## 11. Light and Glare

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

Temporary lighting will be used during winter months and on backshift (if necessary).

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

No, the project lies within a heavily industrialized area.

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

None.

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

Proposed measure to reduce or control light and glare impacts are not required.

## 12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

None. The project lies within a federally secured radiologically controlled area.

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

The project would not displace any existing recreational uses.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Measures to control impacts on recreation are not required.

### 13. Historic and cultural preservation

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.

The 324 Building is over 45 years old and is a contributing property to the Hanford Site Manhattan Project and Cold War Era Historic District. However, a Section 106 National Historic Preservation Act review has cleared the 324 Building for decommissioning and demolition.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

Native American tribes historically inhabited the greater area. Known and documented areas of archeological importance are limited to the Columbia River bank area nearly 1,000 feet east of the project site. However, cultural resource monitoring will be conducted during excavation activities.

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

All of the examples cited above were used to assess potential impacts to cultural and historic resources on the project site.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

Cultural resource monitoring will be conducted during excavation activities. Should any subsurface items of cultural significance be encountered, notification and consultation with affected parties will be undertaken.

### 14. Transportation

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

Access to the project site is via Stevens Drive, to the north of the City of Richland, then to the entrance to the 300 Area. Remaining roads to the project site are owned and controlled by DOE.

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

No, the 300 Area is federally secured radiologically controlled area.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

The project will not require additional parking spaces nor eliminate parking spaces.

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

The project will not require any new or improvements to existing roads, streets, or other transportation facilities.

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

The project will not use water, rail, or air transportation.

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

The project will not increase vehicular traffic beyond historical frequencies for the 300 Area. A temporary increase in heavy equipment (cranes, excavators, and loaders) is anticipated. No model was used for this estimate.

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No interference with the movement of agricultural or forest products will result from this project.

- h. Proposed measures to reduce or control transportation impacts, if any:

Not applicable.

## 15. Public Services

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

The 324 RCRA closure project would not result in an increased need for public services.

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

No measures to reduce or control impacts to public services are necessary.

## 16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other \_\_\_\_\_

Utilities currently available at the site include, electricity, natural gas, water, refuse collection, sanitary, water, and sewer. Traditional telephone services are not available, cellular services are.

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

No additional utilities will be required for this project.

### C. Signature

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

Signature: \_\_\_\_\_

Name of signee \_\_\_\_\_

Position and Agency/Organization \_\_\_\_\_

Date Submitted: \_\_\_\_\_