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

9105218

91-EAB-333

OCT 31 1991

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

Mr. Timothy L. Nord
Hanford Project Manager
State of Washington
Department of Ecology
Mail Stop PV-11
Olympia, Washington 98504-8711

Dear Messrs. Day and Nord:

RADIOACTIVE MIXED WASTE STORAGE FACILITY DANGEROUS WASTE PERMIT APPLICATION (TSD: TS-2-4)

This letter transmits the Radioactive Mixed Waste Storage Facility (RMWSF) Dangerous Waste Permit Application in accordance with the Resource Conservation and Recovery Act, as amended, and the State of Washington Dangerous Waste Regulations. This transmittal fulfills the Hanford Federal Facility Agreement and Consent Order Milestone Number M-20-05. The environmental impacts of the RMWSF are addressed in the enclosed State Environmental Policy Act (SEPA) Environmental Checklist.

Per your request, copies of the RMWSF Dangerous Waste Permit Application and SEPA Environmental Checklist have been distributed as follows: (1) five copies to Mr. T. M. Michelena of the State of Washington Department of Ecology (Ecology) (Lacey, Washington, office); (2) one copy to Mr. D. C. Nylander of Ecology (Kennewick, Washington, office); and (3) two copies to Mr. D. L. Duncan of the U.S. Environmental Protection Agency (Seattle, Washington, office).

If you have any questions regarding the RMWSF Dangerous Waste Permit Application, please contact Mr. C. E. Clark of the DOE Field Office, Richland, on (509) 376-9333, or Ms. S. M. Price of the Westinghouse Hanford Company on (509) 376-1653.

Sincerely,

E. A. Bracken, Director
Environmental Restoration Division
DOE Field Office, Richland

ERD:CEC

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

Enclosures:
1. Radioactive Mixed Waste Storage Facility Dangerous Waste Permit Application
2. SEPA Checklist for the Radioactive Mixed Waste Storage Facility

cc w/o encl.:
D. L. Duncan, EPA
C. E. Findley, EPA
R. E. Lerch, WHC
M. E. Lerchen, Ecology
T. M. Michelena, Ecology
D. C. Nylander, Ecology
T. B. Veneziano, WHC

STATE ENVIRONMENTAL POLICY ACT
ENVIRONMENTAL CHECKLIST

FOR THE

HANFORD CENTRAL WASTE COMPLEX-
RADIOACTIVE MIXED WASTE STORAGE FACILITY

REVISION 0

OCTOBER 31, 1991

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

SEPA ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of proposed project:

Permitting of the Hanford Central Waste Complex-Radioactive Mixed Waste Storage Facility (RMW Storage Facility). Information contained in this *State Environmental Policy Act* (SEPA) *of 1971* Environmental Checklist pertains only to the RMW Storage Facility. In the context of this document, 'site' refers to only the area covered by the physical structures of the storage buildings, whereas 'Site' refers to the Hanford Site.

2. Name of applicants:

The U.S. Department of Energy Field Office, Richland (RL); and Westinghouse Hanford Company.

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

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

Westinghouse Hanford Company
P.O. Box 1970
Richland, Washington 99352

Contact Persons:

E. A. Bracken, Director
Environmental Restoration Division
(509) 376-7277

R. E. Lerch, Manager
Environmental Division
(509) 376-5556

4. Date checklist prepared:

October 4, 1991

5. Agency requesting the checklist:

Washington State
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

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

The RMW Storage Facility is part of the Hanford Central Waste Complex. The RMW Storage Facility currently consists of one Plutonium/Polychlorinated Biphenyl Mixed Waste Storage Building (2401-W), eight Low-Flash-Point Mixed Waste Storage Modules, 12 Radioactive and/or Mixed Waste Storage Buildings (2402-W and 2402-WB through 2402-WL), one Mixed

Waste Storage Pad, one Radioactive and/or Mixed Waste Storage Building [2403-WA (Phase I)], and one Waste Receiving and Staging Area. Additional phased construction of large pre-engineered metal buildings for the RMW Storage Facility will be constructed as additional storage space becomes necessary. Currently there are four planned phases of construction for the RMW Storage Facility (Phase II through V). The RMW Storage Facility provides the capacity to store radioactive and/or mixed waste for both onsite and offsite waste generated until 1996.

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

Yes. The RMW Storage Facility is a planned series of waste storage structures that centralizes radioactive and/or mixed waste for storage. These operations are and will be conducted at a single location in the 200 West Area. Further storage structures will be constructed when additional storage space becomes necessary. Also, the RMW Storage Facility will provide storage for the Waste Receiving and Processing Facility [*Waste Receiving and Processing Facility Dangerous Waste Permit Application* (DOE/RL-91-16)]. The Waste Receiving and Processing Facility will begin operations in 1996.

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

- This SEPA Checklist is being submitted concurrently with the *Radioactive Mixed Waste Storage Facility Dangerous Waste Permit Application* (DOE-RL-91-17).

- The Hanford Central Waste Complex Part A Permit Application contains the RMW Storage Facility. The Part A Permit Application for the Hanford Central Waste Complex was submitted to the Washington State Department of Ecology (Ecology) in May 1988. Revision 1 of the Part A Permit Application was submitted in October 1990.

- The *Hanford Facility Dangerous Waste Permit Application* (DOE/RL-91-28) contains information pertaining to the entire Hanford Facility.

Additional environmental information on the Hanford Site, in general, can be found in the following references: (1) *Final Environmental Impact Statement - Disposal of Hanford Defense High-Level, Transuranic and Tank Wastes*, DOE/EIS-0113 (U.S. Department of Energy, 1987, Richland, Washington), (2) *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNL-6415 (Revision 2, Pacific Northwest Laboratory, 1990, Richland, Washington), and (3) *Draft Environmental Impact Statement -Decommissioning of Eight Surplus Production Reactors at the Hanford Site, Richland, Washington*, DOE/EIS-0119D (U.S. Department of Energy, 1989, Washington, D.C.).

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

No other applications that would affect property associated with the RMW Storage Facility are known to be pending government approval.

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

Ecology is the lead agency authorized to approve the RMW Storage Facility Dangerous Waste Permit Application pursuant to the requirements of Washington Administrative Code (WAC) 173-303-400 and 40 Code of Federal Regulations (CFR) Part 265, Subpart G.

11. **Give a brief, complete description of your proposal, including the proposed uses and the size of the project and site.**

The RMW Storage Facility provides the storage capacity for radioactive and/or mixed waste, including onsite and offsite waste generated from 1990 through 1996. In 1996, the Waste Receiving and Processing Facility (separate dangerous waste permit application) will be available to remove radioactive and/or mixed waste from the RMW Storage Facility and examine, test, treat (if necessary), repackage, and certify the radioactive and/or mixed waste for final disposal. The present best estimate for the amount of radioactive and/or mixed waste potentially to be stored at the RMW Storage Facility is 88,136 55-gallon (208-liter) drum equivalents. Currently (as of October 31, 1991), the RMW Storage Facility has 96,280 square feet (8,950 square meter) of storage area. Additional storage area will be constructed in the future as needed (Refer to Question 6 for discussion on phased construction for the RMW Storage Facility). The RMW Storage Facility resides on a 55 acre (222,570 square meters) site.

12. **Give the location of the proposal. Give sufficient information for a person to understand the precise location of the 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.**

The RMW Storage Facility is located in the 200 West Area, west of Dayton Avenue and south of 23rd Street, approximately 25 miles (40.3 kilometers) north of the city of Richland, Washington. Maps and plans of the 200 West Area and the RMW Storage Facility are contained in the *Radioactive Mixed Waste Storage Facility Dangerous Waste Permit Application* with which this SEPA Checklist is being submitted. The RMW Storage Facility is located in the SW 1/4, NW 1/4, Section 1, T12N, R25E.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (indicate one): Flat, rolling, hilly, steep, mountainous, other.

Mainly flat with a few small sand dunes in the area.

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

The approximate slope of the land is less than two percent.

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 prime farmland.

The soil consists primarily of silty, sandy gravel.

d. Are there surf/ace indications or history of unstable soils in the immediate vicinity? If so, describe.

No.

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

Excavation will be required for any future construction. Excavated material will be stockpiled for use as backfill. This material also will be used, as required, for finish grading to blend with the existing flat topography and to provide drainage away from all buildings.

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

Minor erosion due to wind and/or precipitation occasionally could occur.

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

Approximately 80 percent of the site will be covered with impervious surfaces. No changes are planned.

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

To control the amount of dust generated by future construction activities, water trucks will be available to periodically spray the

affected area. Paved access roadways and graveled parking areas are provided to minimize erosion due to vehicular traffic.

2. Air

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

Minor amounts of vehicular exhaust are generated by equipment and vehicles used by building personnel to gain access to the site. Minor amounts of particulates (e.g., dust) are expected because these are conditions experienced on current exposed excavation sites. Some dust will be generated during construction phases.

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

No.

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

Ventilation in the form of wall fans are installed to provide at least three air changes per hour. In addition, some storage buildings will have a negative-pressure exhaust system with high-efficiency particulate air (HEPA) filters, which will provide ventilation for four changes per hour. Operational ambient air sampling will be provided to serve as an evaluation tool for containment adequacy and as low as reasonably achievable (ALARA) exposure radiation controls relative to inhalation exposure.

3. Water

a. Surface:

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.

No.

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

Does not apply.

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.

None.

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

No.

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

No.

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.

No.

b. Ground:

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

No.

2) Describe waste materials that will be discharged into the ground from septic waste 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.

None

c. Water Runoff (including storm water):

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.

Some of the storage buildings were constructed (or will be constructed) with a sloped floor towards a trench with a sump;

other storage buildings are provided with concrete curbing for secondary containment. This enables potentially contaminated fluids to be removed from the secondary containment system. All storage buildings are provided with roofs that protect the waste storage areas from precipitation events. The perimeter of the floors are 6 inches (15.24 centimeters) above outside finished grade to prevent water run-on from outside the storage buildings. Adequate drainage systems are in place to ensure stormwater run-off or a rapid snowmelt does not enter the storage buildings.

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

The entire floor areas inside of storage buildings have an epoxy based coating to facilitate spill clean up and seal the floor from penetration by radiological and/or mixed constituents of the waste material to the ground. Within the storage areas, floors are either sloped towards a trench with a sump or concrete curbing is installed to provide a containment area.

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

Refer to answer to Checklist Question B.3.c.

4. Plants

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

___ deciduous tree: alder, maple, aspen, other
___ evergreen tree: fir, ceder, pine, other
_x_ shrubs
_x_ grass
___ pasture
___ crop or grain
___ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
___ water plants: water lily, eelgrass, milfoil, other
_x_ other types of vegetation

The vegetation on the site consist of sagebrush, forbs, and other common central Washington desert plant species.

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

Grasses, shrubs, and forbs have been or will be removed from building sites and paved areas.

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

None. However, additional information concerning endangered and threatened plants on the Hanford Facility can be found in the environmental documents referred to in the answer to Checklist Question A.8.

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

None.

5. Animals

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

birds: hawk, heron, eagle, songbirds, <u>other</u>
mammals: <u>deer</u>, bear, elk, beaver, <u>other</u>
fish: bass, salmon, trout, herring, shellfish, other

A variety of insects, birds, and mammals common to the Hanford Site, including pigeons, passerine birds, rodents, and lagomorphs have been observed at the RMW Storage Facility site. Larger mammals commonly seen in the vicinity include deer and coyote. Additional information on birds and animals on the Hanford Facility can be found in the environmental documents referred to in the answer to Checklist Question A.8.

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

None. However, additional information concerning endangered and threatened species on the Hanford Facility can be found in the environmental documents referred to in the answer to Checklist Question A.8.

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

No.

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

None.

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.

Diesel fuel, gasoline, oil, and electrical power are used to operate construction and operation equipment. Storage building ventilation and lighting systems are powered electrically.

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

No.

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:

None.

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.

Possible environmental health hazards from the RMW Storage Facility could result from combustible constituents, accidental liquid spills, radiation exposure, and a criticality incident.

1) Describe special emergency services that might be required.

Hanford Facility security, fire response, and ambulance services are on call 24 hours a day, 7 days a week, in the event of an onsite emergency.

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

Onsite generating units and offsite generators must neutralize and/or treat their radioactive and/or mixed waste to ensure, to the extent practicable, that no incompatible combination of substances exist. This improves safety and, because of the large volume of waste requiring storage, prevents a large buildup of a substance that could be a potential threat to human health or the environment if accidentally mixed with an incompatible substance.

Some drums contain combustible constituents, plus the pallets used for stacking the drums are combustible (wood). Therefore, an automatic dry-pipe sprinkler system designed in accordance with National Fire Protection Association Codes has been installed. The source of water for the fire protection system is from a water main located near the 272-AW Building. The 272-AW Building is located south of the RMW Storage Facility [a distance of 200 feet (61 meters) to the closest storage building

(Plutonium/Polychlorinated Biphenyl Waste Storage Building) (2401-W)].

Another potential hazard is the inability to contain accidental liquid spills. To address this situation, the RMW Storage Facility complies with WAC 173-303 requirements for a containment system large enough to contain 10 percent of the free liquid or the largest container, whichever is greater in volume in storage. Free liquid is stored in 1 to 3 leak resistant containers having a capacity of not more than 5 gallons (18.95 liters); each container must be over packed in a 55-gallon (208-liter) drum with a suitable absorbent material capable of absorbing two times the amount of liquid.

It is also a regulatory requirement that all dry or liquid waste be protected from the elements by a protective cover. Therefore, enclosed storage buildings for both types (dry or liquid) of waste are provided to meet this requirement.

b. Noise

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

None.

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.

The daily operation of the RMW Storage Facility does not result in excessive noise levels. Maintenance activities could result in increased noise levels, depending on the nature of the activity. However, the noise level would be higher only during the maintenance activity. The RMW Storage Facility is sufficiently removed from residential and offsite industrial areas to preclude excessive noise impacts. During future construction phases, the primary sources of noise will be from heavy equipment.

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

Operational equipment meets manufacturer's requirements for noise suppression. During future construction phases, excavation and construction equipment will meet manufacturer's requirements for noise suppression.

8. Land and Shoreline use

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

The RMW Storage Facility is part of the U.S. Government-owned Hanford Site and is used for the storage of radioactive and/or mixed waste. The mission of the Hanford Site is now focused on environmental remediation and restoration.

Outside the Hanford Site are privately owned farms and the urban and suburban areas of the city of Richland and West Richland.

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

No portion of the Hanford Site, including the site of the RMW Storage Facility, has been used for agricultural purposes since 1943.

c. Describe any structures on the site.

Paved roads exist at the northern, southern, and eastern perimeters of the RMW Storage Facility site. No other structures presently exist on the site.

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

No.

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

The Hanford Site is zoned by Benton County as an unclassified use (U) district.

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

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

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

Does not apply.

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

No.

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

No people reside in the RMW Storage Facility. The structure is designed for storage purposes only. The number of employees working in the RMW Storage Facility can fluctuate daily depending upon operations.

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

None.

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

Does not apply.

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

Does not apply. (Refer to Checklist Question B.8.f.)

9. Housing

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

None.

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

None.

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

Does not apply.

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?

Because of the phased construction, the tallest height of the RMW Storage Facility will depend on the number of storage structures constructed. Thus, the maximum height of the proposed structures will not be known until 1996. Currently, all of the storage buildings [except the eight Low-Flash-Point Mixed Waste Storage Modules, which have an eave height of 8 feet 7 inches (2.62 meters)] have an eave height of 20 feet (6.1 meters). The RMW Storage

Facility is (and future additions will be) constructed of concrete and metal.

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

None.

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

None.

11. **Light and Glare**

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

None.

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

No.

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:

Does not apply.

12. **Recreation**

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

None.

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

Does not apply.

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

Does not apply.

13. **Historic and Cultural Preservation**

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

No places or objects listed on, or proposed for, national, state, or local preservation registers are known to be on or next to the RMW Storage Facility. Additional information on the Hanford Site environment can be found in the environmental documents referred to in the answer to Checklist Question A.8.

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

There are no known archaeological, historical, or native American religious sites at or next to the RMW Storage Facility. Additional information on the Hanford Site environment can be found in the environmental documents referred to in the answer to Checklist Question A.8.

NOTE: The DOE-RL recently resubmitted a Request For Determination of Eligibility for the White Bluffs Road with the State Historic Preservation Office. If the road is found eligible, it might be necessary to determine if the RMW Storage Facility will have an effect on the historic property. Because the RMW Storage Facility site is some distance [16 miles (25.7 kilometers)] from the White Bluffs Road, it is not likely to impact the area to be preserved.

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

Where appropriate, a cultural resource review will provide the vehicle for necessary approvals required under the *National Historic Preservation Act of 1966*.

14. **Transportation**

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

Does not apply.

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

The site is not publicly accessible, and, therefore, is not served by public transportation.

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

A paved parking lot roughly 100 feet by 100 feet (31 meters by 31 meters) with at least 25 spaces for automobile, motorcycle, and handicapped parking is provided for RMW Storage Facility personnel.

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

Some paved access roads are already in existence at the northern, southern, and eastern perimeters of the RMW Storage Facility. Additional paving will be required for access to future constructed individual storage buildings. The roads are not publicly accessible.

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

No.

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

Peak traffic volumes occur at the beginning and end of regular 8-hour working shifts. Many employees use the Hanford Site shuttle bus system that transports employees from northern Richland to the RMW Storage Facility.

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

Proper codes, standards, regulations, and accepted safety practices are followed when transporting waste to mitigate human exposure.

15. Public Services

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

No.

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

Does not apply.

16. **Utilities**

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

Electricity, sanitary water, refuse service, telephone, and sanitary sewer.

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.

Electricity, sanitary water, and telephone service are provided. New pipelines extending from existing water mains and transfer pipes provide sanitary water to the RMW Storage Facility.

SIGNATURES

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.

E. A. Bracken, Director
Environmental Restoration Division
U.S. Department of Energy
Field Office, Richland

Date

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

10/10/91
Date

CORRESPONDENCE DISTRIBUTION COVERSHEET Page 1 of 2

Author	Addressee	Correspondence No.
B. M. Barnes, 376-3640	Mr. P. T. Day, EPA Mr. T. L. Nord, Ecology	Incoming: 9105218 Ref.#9157174D

Subject: RADIOACTIVE MIXED WASTE STORAGE FACILITY DANGEROUS WASTE PERMIT APPLICATION (TSD: TS-2-4)

INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	
		M. D. Aichele	T4-01	
		D. L. Armstrong	T3-02	
		R. J. Bliss (Level 1)	B3-04	
		B. M. Barnes	H4-57	
		B. J. Broomfield	N3-13	
		R. C. Bowman	H4-57	
		G. D. Carpenter	B2-16	
		C. L. Cooley	R3-54	
		L. P. Diediker	T1-30	
		C. K. DiSibio	B3-03	
		R. H. Engelmann	H4-57	
		B. G. Erlandson	B2-19	
		D. G. Farwick	H4-16	
		C. J. Geier	B2-19	
		W. H. Hamilton	N3-10	
		H. D. Harmon	R2-52	
		D. G. Hay	T3-21	
		K. D. Johnson	N3-12	
		R. E. Lerch (Assignee)	B2-35	
		P. J. Mackey	B3-15	
		M. M. McCarthy	N3-13	
		J. B. Maier	T3-29	
		E. P. Mertens	N3-13	
		L. A. Nicholson	T3-02	

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
B. M. Barnes, 376-3640	Mr. P. T. Day, EPA Mr. T. L. Nord, Ecology	Incoming: 9105218 Ref.#9157174D

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Approval	Date	Name	Location	w/att
		S. H. Norton	N3-14	
		R. D. Pierce	N3-13	
		D. E. Plowman	N3-12	
		L. L. Powers	B2-35	
		S. M. Price	H4-57	
		R. J. Roberts	N3-13	
		F. A. Ruck III	H4-57	
		L. W. Vance	H4-16	
		E. P. Vodney	B3-50	
		EDMC/AR	H4-22	
		BMB LB	H4-57	

Enclosures same as letter #9157174D

NOTE: Correspondence Control did not receive enclosures. If you need to receive the enclosures, contact author.