

**NEPA REVIEW SCREENING FORM**

**Document ID Number:**

DOE/EA-1403 Add. 2

**I. Project Title:**

Proposed 4.5 acre expansion of Pit 9

**II. Project Description and Location (including Time Period over which proposed action will occur and Project Dimensions - e.g., acres displaced/disturbed, excavation length/depth, area/location/number of buildings, etc.):**

LOCATION: Pit 9, which has been in operation since the late 1980's to support the construction of the Columbia Generating Station, is located approximately 3 miles north of the 300 Area on the east side of highway 4S.

PROPOSED ACTION: Site contractor(s) are proposing to expand Pit 9 by 4.5 acres to supply fill material for remediation sites in the 300 and 600 Areas. The continued use and potential expansion of borrow areas, including Pit 9 was addressed in the Environmental Assessment (EA) for Use of Existing Borrow Areas, Hanford Site, Richland, Washington (DOE/EA-1403) Dated October 2001. That EA quantified the total disturbed surface area of 24 sand and gravel pits as 3.0 square kilometers (1.0 square miles), including Pit 9, with a disturbed surface area of 0.18 square kilometers (0.07 square miles). The EA does not define nor describe what is meant by disturbed surface area. In addition, the EA and FONSI considered the expansion of the pit disturbed areas assuming 10% or 0.3 square kilometers (0.12 square miles).

The Draft Industrial Mineral Resources Management Plan (MRMP) (DOE/RL-2000-61), October 2001, provides the status of approximately 35 pits and 5 quarries and included aerial photos of most of the pits. Included in the photos is what is considered as the boundary of each pit. Calculations indicate the surface area of the various pit boundaries correlate closely with its respective disturbed surface area from the EA.

Having established the correlation between disturbed surface area and pit boundary as essentially the same, and that the aerial photo of Pit 9 in the MRMP is essentially the same as the attached 2011 aerial photo, Pit 9 has not expanded beyond its 2001 baseline footprint and thus has available 0.018 square kilometers (0.07square miles) (4.5 acres) of surface area for the excavation of borrow material.

The proposed expansion adjacent to and outside the northern boundary of Pit 9 is within the 10% area of expansion analyzed in EA-1403 and no further NEPA documentation is necessary.

See Continuation Page

**III. Reviews (if applicable):**

Biological Review Report #: \_\_\_\_\_

Cultural Review Report #: \_\_\_\_\_

Additional Attachments: \_\_\_\_\_

**IV. Existing NEPA Documentation**

YES NO

Is the proposed action evaluated in a previous EA, EIS, or under CERCLA?



If "NO," proceed to Section V. If "YES," List EA, EIS, or CERCLA Document(s) Title and Number:

EA for Use of Existing Borrow Areas, Hanford Site, Richland, Washington (DOE/EA-1403)

October 2001

And then complete Section VI. Provide electronic copy of Initiator/ECO signed NRSF to DOE NCO for information only. DOE NCO signature is not required.

**NEPA REVIEW SCREENING FORM (continued)**

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**V. Categorical Exclusion**

	YES	NO
Does the proposed action fall within a class of actions that is listed in Appendixes A or B to Subpart D of 10 CFR Part 1021?	<input type="checkbox"/>	<input type="checkbox"/>
Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?	<input type="checkbox"/>	<input type="checkbox"/>
Is the proposal connected to other actions with potentially significant impacts or result in cumulatively significant impacts (not precluded by 40 CFR 1506.1 or 10 CFR 1021.211)?	<input type="checkbox"/>	<input type="checkbox"/>

List CX to be applied and complete Categorical Exclusion Integral Elements (where an action might fit within multiple CXs, use the CX that best fits the proposed action):

**Categorical Exclusion Integral Elements**

	YES	NO
Does the proposed action threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, or health, including DOE and/or Executive Orders?	<input type="checkbox"/>	<input type="checkbox"/>
Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?	<input type="checkbox"/>	<input type="checkbox"/>
Does the proposed action disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases?	<input type="checkbox"/>	<input type="checkbox"/>
Does the proposed action adversely affect environmentally sensitive resources?	<input type="checkbox"/>	<input type="checkbox"/>
Does the proposed action involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species such that the action is NOT contained or confined in a manner designed, operated, and conducted in accordance to applicable requirements to prevent unauthorized release into the environment?	<input type="checkbox"/>	<input type="checkbox"/>

If "NO" to all Categorical Exclusion Integral Elements questions above, complete Section VI, and provide to DOE NCO for final Approval/Determination and signature in Section VII.

If "YES" to any of the Categorical Exclusion Integral Elements questions above, contact DOE NCO for additional NEPA Review.

**VI. Responsible Contractor Signatures**

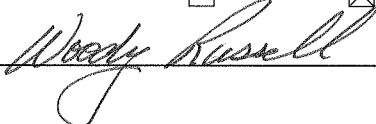
	Name (Printed)	Signature	Date
Initiator	N/A		
Cognizant Environmental Compliance Officer	N/A		

**VII. Approval/Determination**

DOE NEPA Compliance Officer: Woody Russell

Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class of action:

NCO Determination -  CX  EA  EIS

Signature: 

Date: May 29, 2012

## NEPA REVIEW SCREENING FORM

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DOE/EA-1403 Addendum 2

**II. Project Description and Location (including Time Period over which proposed action will occur and Project Dimensions – e.g., acres displaced/disturbed, excavation length/depth, area/location/number of buildings, etc.):**

**Continuation Page:**

In May 1995 , DOE issued the Inert/Demolition Waste Landfill (Pit 9), Hanford Site EA and FONSI (DOE/EA-0983) allowing the use of Pit 9 for the disposal of inert and demolition wastes such as concrete, brick, incidental wood, used asphalt and steel. No hazardous, radioactive, dangerous, liquid or asbestos wastes are to be disposed of in Pit 9. DOE intends to continue the disposal of wastes in Pit 9. Currently, waste landfill occupies approximately 9 acres in the southern portion of the pit and is slowly progressing northward.

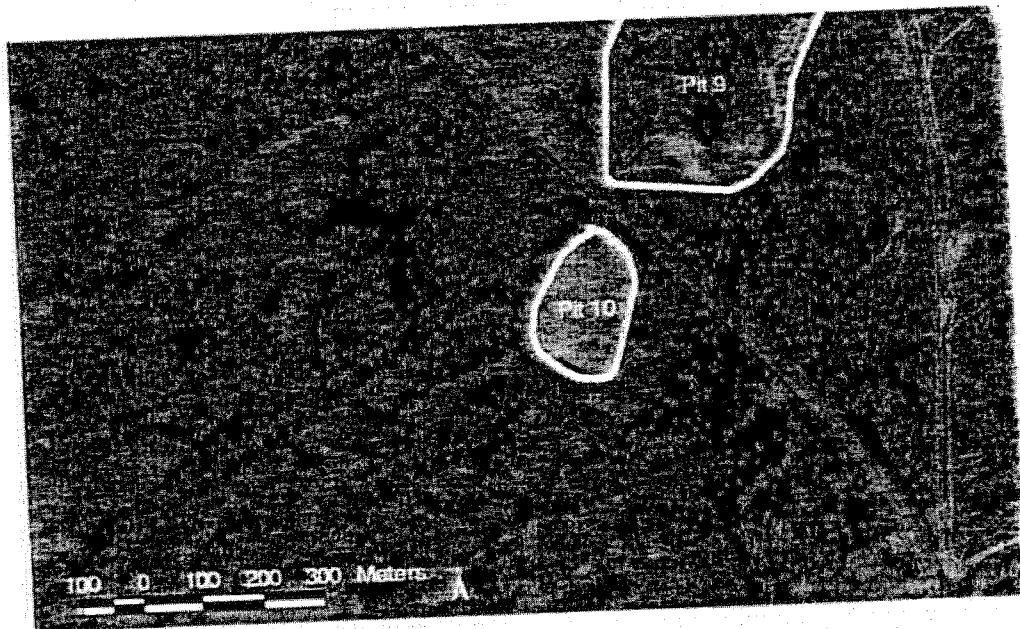
This NEPA determination for the expansion of Pit 9 does not relieve the contractor(s) from satisfying other site requirements such as ecological and cultural resource reviews, excavation permit, and/or other measures identified in the HCP-EIC (DOE/EIS-0222) its management plans, and the Inert/Demolition Waste Landfill (Pit 9) EA (DOE/EA-0983). In addition, the expansion of Pit 9 and removal of borrow material shall not hinder the operation of the landfill nor its compliance with Washington Administrative Code (WAC) requirements. Further, the excavation shall maintain the bottom of the borrow site at 110-meters elevation to preserve 2-meters of separation above the water table.

This NRSF was prepared by the NEPA Compliance Officer as a point of clarification to EA-1403.

Figure B-5. Borrow Pits 8 and 9



Figure B-6. Borrow Pit 10 (closed)

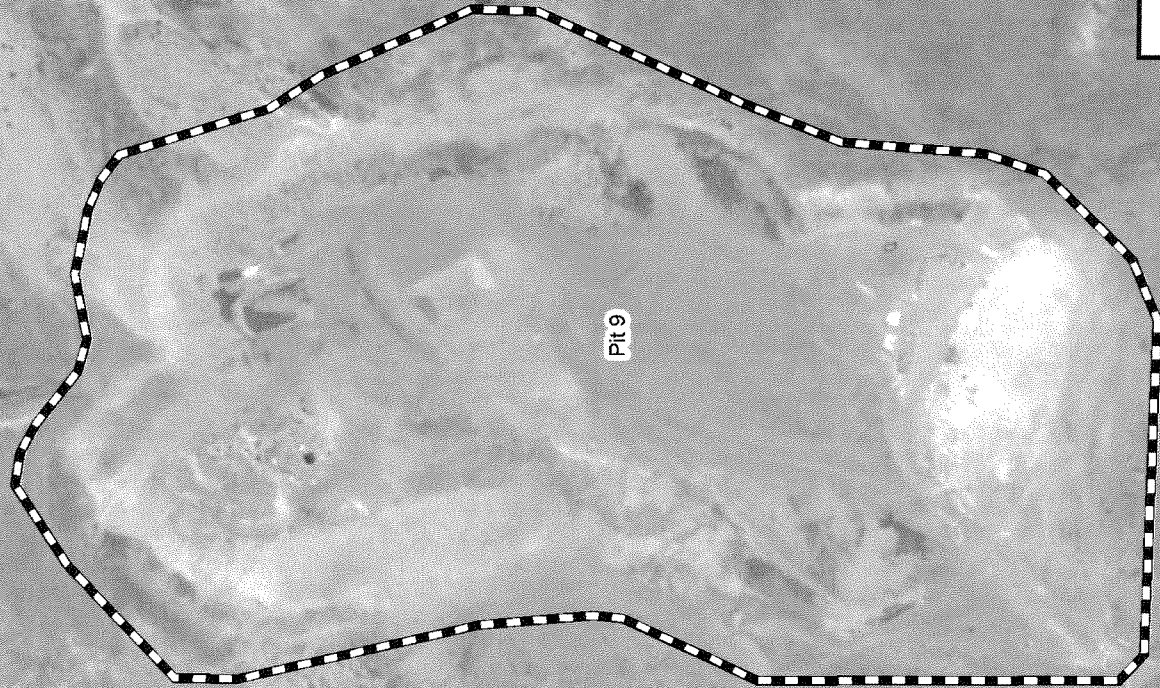




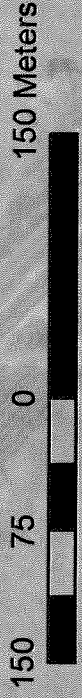


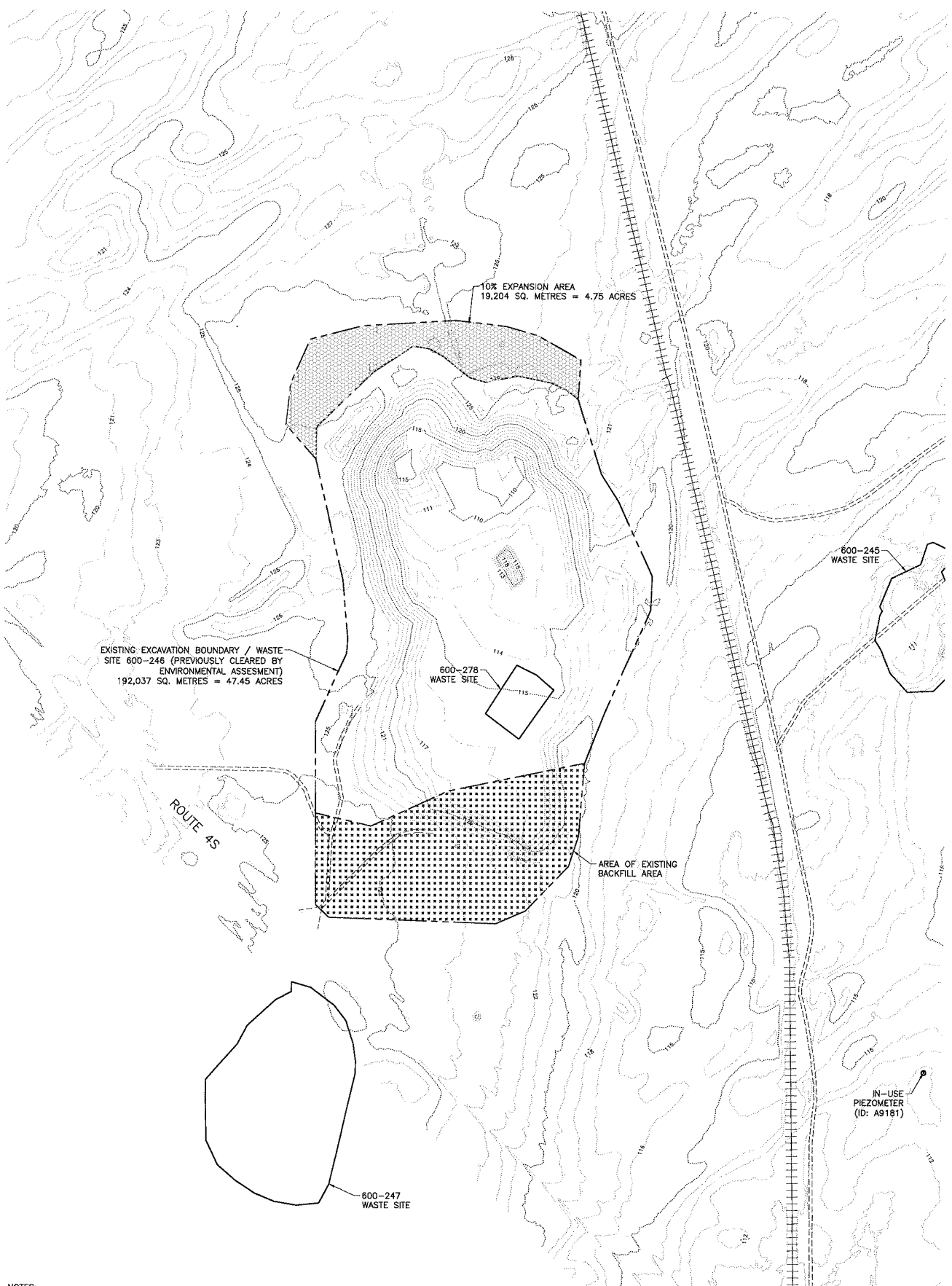
# Pit 9 - 2011

Area 192036 M<sup>2</sup>  
No increase from MRMP Boundary  
Note: Disturbed areas outside of the MRMP Boundary predate the MRMP and are not considered expansions



**Borrow Pit Boundary**  
 MRMP Boundary





**NOTES:**

- 1) GROUND WATER ELEVATION: 108 metres
- 2) BOTTOM OF EXCAVATION ELEVATION: 110 metres
- 3) 4:1 SIDE SLOPES



**PIT 9  
REVISED BOUNDARY AND EXCAVATION PLAN**

