

NEPA REVIEW SCREENING FORM

Document Number:

DOE/CX-00020

I. Project Title:

Herbicide Applications along Gravel and Paved Roads on the Hanford Site

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, etc.):

The Mission Support Alliance (MSA) Biological Controls organization routinely applies herbicides on gravel roads and along the shoulders of paved roads on the Hanford Site to control vegetation and maintain critical fire breaks. These roadways are initially sprayed with non-selective herbicides to remove all vegetation. Follow-up spot spraying with selective herbicides is performed, as needed, to control vegetation that grows in treated areas.

All herbicide spraying is conducted with ground-based equipment (i.e., backpack hand spraying, all-terrain vehicle/pickup mounted spray equipment, commercial boom-type sprayers, etc.). All herbicides are applied in strict accordance with manufacturer label requirements and MSA procedures by Chemical Operators and Commercial Pesticide Applicators licensed in the State of Washington.

The primary time period over which herbicides are applied is from October through April. Follow-up spot spraying is conducted from April through September, as needed, to control vegetation that grows in treated areas.

An ecological resources review was completed and documented in an electronic mail message from M. R. Sackschewsky to Distribution, "Request for Ecological Resource Review Clearance," dated August 5, 2010. The application of herbicides to graveled roads and along the shoulders of paved roads is not likely to have ecological impacts subject to the following constraints:

- Road shoulders are the maintained, graveled edges of paved roads that rarely extend beyond 10 feet of the edge of the pavement. Herbicide spraying shall not occur beyond 10 feet from the edge of the pavement.
- Gravel road edges are defined by the edge of the applied gravel. Herbicide spraying shall not occur beyond the edge of the placed gravel.
- Herbicide spraying on gravel roads or along the shoulders of paved roads shall be by hand or ground-based equipment. Aerial application methods are not allowed.
- Vegetation control on two-track or other unimproved dirt roads is not covered by the ecological resource review clearance.

A cultural resources review was completed and documented in an electronic mail message from E. Prendergast-Kennedy to Distribution, "Request for Cultural Resource Review Clearance, dated August 5, 2010. Spraying of herbicides along the shoulders of paved roads and on graveled roads is exempt from cultural resource review. All roads, whether they are paved, graveled, or dirt, that are located on Gable Mountain, Gable Butte, and Rattlesnake Mountain are not covered by this exemption. There is a blanket review covering Gable Mountain and Gable Butte, but there are specific requirements for performing this work (see DOE/RL-2008-17, "Gable Mountain and Gable Butte Resource Management Plan"). Any spraying along the roads on Rattlesnake Mountain is subject to a Memorandum of Agreement for the CH2M Hill Plateau Remediation Company (CHPRC) and Energy Northwest (ENW) work on the Fitzner-Eberhardt Arid Land Ecology (ALE) Reserve which also has specific requirements, such as monitoring, tribal notifications, and cultural sensitivity training. Spraying along dirt roads is not covered by this cultural resource review clearance and must be evaluated separately since the potential for cultural resources exists in these areas.

III. Reviews (if applicable):	
Biological Review Report #: <u>E-mail from M. R. Sackschewsky to Distribution, "Request for Ecological Resource Review Clearance," dated August 5, 2010.</u>	
Cultural Review Report #: <u>E-mail from E. Prendergast-Kennedy to Distribution, "Request for Cultural Resource Review Clearance," dated August 5, 2010.</u>	
No Potential to Cause Effect (NPCE) Determination: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
IV. Existing NEPA Documentation (Steps 3 and 4 of Contractor Screening Process)	YES NO
Is the proposed action evaluated in a previous EA, EIS, or under CERCLA?	<input type="checkbox"/> <input checked="" type="checkbox"/>
If "NO," proceed to Section V. If "YES," List EA, EIS, or CERCLA Document(s) Title and Number: _____	
And then complete Section VII and provide electronic copy of signed NRSF to DOE NCO for information (see Step 6 of Contractor Screening Process).	
V. Sitewide Categorical Exclusion (see Step 5 of Contractor Screening Process)	YES NO
Does the proposed action fall within the scope of a Hanford Sitewide Categorical Exclusion?	<input type="checkbox"/> <input checked="" type="checkbox"/>
If "YES," list Sitewide Categorical Exclusion to be applied and complete Sitewide Categorical Exclusion Criteria: _____	
Sitewide Categorical Exclusion Criteria	YES NO
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 action connected to other actions with potentially significant impacts [see 40 CFR 1508.25(a)(1)] or result in cumulatively significant impacts [see 40 CFR 1508.25(a)(2)]?	<input type="checkbox"/> <input type="checkbox"/>
Does the proposed action impact sensitive species or their habitats?	<input type="checkbox"/> <input type="checkbox"/>
Does the action involve or disturb the Hanford Reach National Monument, Rattlesnake Mountain, Gable Mountain, Gable Butte or other Traditional Cultural Properties or properties of historic, archaeological or architectural significance, or occur within one-fourth mile of the Columbia River?	<input type="checkbox"/> <input type="checkbox"/>
If "NO" to all Sitewide Categorical Exclusion Criteria questions above, complete Section VII and provide electronic copy of Initiator/ECO signed NRSF to DOE NCO for information (see Step 6 of Contractor Screening Process).	
If "YES" to any of the Sitewide Categorical Exclusion Criteria questions above, attach appropriate explanatory information and provide NRSF to DOE NCO; DOE initiates DOE NEPA Review Screening Process - Step 1 by completing Section VI and VIII, as appropriate.	
VI. 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 checked="" type="checkbox"/> <input type="checkbox"/>
List CX to be applied and complete Categorical Exclusion Criteria (based on Eligibility Criteria of the NEPA Determination Procedure):	
B1.3 - Routine maintenance activities and custodial services for buildings, structures, rights-of-way, infrastructures (e.g., pathways, roads, and railroads), vehicles and equipment, and localized vegetation and pest control, during which operations may be suspended and resumed Routine maintenance activities, corrective (that is, repair), preventive, and predictive, are required to maintain and preserve buildings, structures, infrastructures, and equipment in a condition suitable for a facility to be used for its designated purpose.	

Categorical Exclusion Criteria		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 checked="" type="checkbox"/>
Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?		<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>
Does the proposed action adversely affect environmentally sensitive resources?		<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>
<p>If "NO" to all Categorical Exclusion Criteria questions above, DOE NCO completes Section VIII, provides electronic copy of signed NRSF to contractor, and otherwise complies with Step 4 of the DOE NEPA Review Screening Process - Step 1.</p> <p>If "YES" to any of the Categorical Exclusion Criteria questions above, DOE NCO complies with Step 5 of the DOE NEPA Review Screening Process - Step 1, and initiates DOE NEPA Review Screening Process - Step 2.</p>			
VII. Approvals			
Title	Name (Printed)	Signature	Date
Initiator			
Environmental Compliance Officer or NEPA-SME	Jerry W. Cammann	<i>J.W. Cammann</i>	3/1/11
VIII. 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: <input checked="" type="checkbox"/> CX <input type="checkbox"/> EA <input type="checkbox"/> EIS			
Signature: <u><i>Woody Russell</i></u>		Date: <u>3-1-11</u>	