| Attachmental Exclusion for FWNL Projects involving site characterization and environmental conitoring on the Hanford Site - 2012 Project Description and Location (including Time Period over which proposed action will occur and Project Dimensions-cres displaced/disturbed, excavation length/depth, area/location/number of buildings, etc.): NNN proposes to conduct a variety of non-intrusive and intrusive characterization and conitoring activities in support of purposes such as environmental surveillance, remediation, research, construction, and sampling on the Hanford Site. These activities include: sephysical techniques such as electro-magnetic surveys, site surveying and mapping, groweretrating radar surveys, seismic monitoring, telemetry, and borehole spectral gamma origing; adiological and chemical methods such as gamma scintillation, thermoluminescent dosimetrolic gamma surveys, x-ray fluorescence, radiological surveys, and sampling, transport, and malysis of environmental samples; leteorological and physical data gathering techniques such as 1) monitoring air emission; the climate, ambient air, river stages, transects, and flow measurements, 2) assessing obtential wind-energy resources, and 3) sampling surface water; unitural and biological resource surveys; seophysical techniques such as installing groundwater and vadose zone wells, bore holes, and test pits and conducting groundwater tracer tests; hybysical techniques such as installing piezometers, instrument clusters, lysimeters, and emporary support trailers; tectorological techniques such as installing and operating weather stations, meteorologic overs, and other instruments; ampling and characterization of environmental media, contaminants, and waste streams. **ssociated activities may include noise, air emission, liquid effluent, and waste eneration. These will be managed accordance to and in compliance with DOC orders, and ederal, and state regulations and quidelines. In all instances, the demand for resource and environmental impacts resource in | RL-721 REV 4 NEPA REVIEW SCRE | ENING FORM | Document ID Number: DOE/CX-00072 |
|--|---|---|---|
| cres displaced/disturbed, excavation length/depth, area/location/number of buildings, etc.): NUNL proposes to conduct a variety of non-intrusive and intrusive characterization and nonitoring activities in support of purposes such as environmental surveillance, emediation, research, construction, and sampling on the Hanford Site. These activities noclude: deophysical techniques such as electro-magnetic surveys, site surveying and mapping, growenetrating radar surveys, seismic monitoring, telemetry, and borehole spectral gamma orgaing; adiological and chemical methods such as gamma scintillation, thermoluminescent dosimetroil gas surveys, x-ray fluorescence, radiological surveys, and sampling, transport, and malysis of environmental samples; leteocological and physical data gathering techniques such as 1) monitoring air emissions the climate, ambient air, river stages, transects, and flow measurements, 2) assessing totantial wind-energy resource, and 3) sampling surface water; bultural and biological resource surveys; ecophysical techniques such as installing froundwater and vadose zone wells, bore holes, and test pits and conducting groundwater tracer tests; hysical techniques such as installing piezometers, instrument clusters, lysimeters, and emporary support trailers; leteorological techniques such as installing and operating weather stations, meteorologic cowers, and other instruments; ampling and characterization of environmental media, contaminants, and waste streams. ssociated activities may include noise, air emission, liquid effluent, and waste elemeration. These will be managed accordance to and in compliance with DOE orders, and rederal, and state regulations and guidelines. In all instances, the demand for resource, and environmental impacts resulting from implementation of these proposed activities woule esmall and temporary in nature. 1. Reviews (if applicable): logical Review Report#: | I. Project Title: Categorical Exclusion for PNNL Project monitoring on the Hanford Site - 2012 | s involving site charac | sterization and environmental |
| menetrating radar surveys, seismic monitoring, telemetry, and borehole spectral gamma logging; tadiological and chemical methods such as gamma scintillation, thermoluminescent dosimetroil gas surveys, x-ray fluorescence, radiological surveys, and sampling, transport, and inalysis of environmental samples; teteorological and physical data gathering techniques such as 1) monitoring air emission; the climate, ambient air, river stages, transects, and flow measurements, 2) assessing obtential wind-energy resources, and 3) sampling surface water; tultural and biological resource surveys; teophysical techniques such as installing groundwater and vadose zone wells, bore holes, and test pits and conducting groundwater tracer tests; thysical techniques such as installing piezometers, instrument clusters, lysimeters, and emporary support trailers; telecorological techniques such as installing and operating weather stations, meteorologic owers, and other instruments; tampling and characterization of environmental media, contaminants, and waste streams. Associated activities may include noise, air emission, liquid effluent, and waste remeration. These will be managed accordance to and in compliance with DOE orders, and rederal, and state regulations and guidelines. In all instances, the demand for resource; and environmental impacts resulting from implementation of these proposed activities would environmental impacts resulting from implementation of these proposed activities would environmental and temporary in nature. | acres displaced/disturbed, excavation length/depth, a PNNL proposes to conduct a variety of monitoring activities in support of puremediation, research, construction, a include: | rea/location/number of building non-intrusive and intru rposes such as environm nd sampling on the Hanf | s,etc.): sive characterization and sental surveillance, ord Site. These activities |
| Reviews (if applicable): Sological Reviews (Report #: | penetrating radar surveys, seismic mon logging; Radiological and chemical methods such soil gas surveys, x-ray fluorescence, analysis of environmental samples; Meteorological and physical data gathe the climate, ambient air, river stages potential wind-energy resources, and 3 Cultural and biological resource surve Geophysical techniques such as install and test pits and conducting groundwat Physical techniques such as installing temporary support trailers; Meteorological techniques such as installing temporary, and other instruments; | itoring, telemetry, and as gamma scintillation radiological surveys, a ring techniques such as , transects, and flow m) sampling surface waterys; ing groundwater and vader tracer tests; piezometers, instrumentalling and operating we | t borehole spectral gamma a, thermoluminescent dosimetry and sampling, transport, and a 1) monitoring air emissions, assurements, 2) assessing ar; dose zone wells, bore holes, at clusters, lysimeters, and eather stations, meteorological |
| iological Review Report #: | Associated activities may include nois generation. These will be managed acc Federal, and state regulations and gui- | e, air emission, liquid ordance to and in compl delines. In all instanc | l effluent, and waste iance with DOE orders, and es, the demand for resources |
| iological Review Report #: | | | |
| iological Review Report #: | | | |
| iological Review Report #: | | | |
| | | | |
| | III. Reviews (if applicable): | | |

Additional Attachments: Biological and cultural Reports will be prepared for projects, as necessary. IV. Existing NEPA Documentation 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: 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.

| REV4 NEDA REVIEW SCREENING FORM (continued) | | | , | DOE/CX -CCO72 | | |
|---|--|--|--|--------------------|-------------|--|
| V. Categorical Exclusion | | | 1-2-1-1 | 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? | | | | | | |
| Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal? | | | | | \boxtimes | |
| Is the proposal connected to (not precluded by 40 CFR 1 | o other actions with potentially significant impa 1506.1 or 10 CFR 1021.211)? | acts or result in cumulatively sign | nificant impacts | | \boxtimes | |
| best fits the proposed action | | | chin multiple CXs, | use the C | X that | |
| | rization and environmental moni | itoring | | | | |
| Categorical Exclusion Into | | | | 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? | | | | | | |
| Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities? | | | | | \boxtimes | |
| 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? | | | | | × | |
| Does the proposed action adversely affect environmentally sensitive resources? | | | | | \boxtimes | |
| 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? | | | | | \boxtimes | |
| | cclusion Integral Elements questions above, co | | <u> 1981, 1981 i Nachara e di Leau e Georgia</u> | I inal Appri | oval/ | |
| If "YES" to any of the Categ | porical Exclusion Integral Elements questions a | above, contact DOE NCO for ad | ditional NEPA Rev | view. | | |
| VI. Responsible Contract | or Signatures | | | | | |
| | Name (Printed) Signature | | | | Date | |
| Initiator | J. Amanda Stegen | 9 7 | | 7/13/2 | 7/13/212 | |
| Cognizant Environmental Compliance Officer | | | | | | |
| VII. Approval/Determinati | on | | | | | |
| DOE NEPA Compliance Of | ficer: Woody Russell | | | | | |
| Based on my review of infor Compliance Officer (as authaction: NCO Determinatio Signature: | rmation conveyed to me and in my possession norized under DOE Order 451.1B), I have dete | n (or attached) concerning the premined that the proposed action | oposed action, as ifits within the spe | NEPA cified cla | ss of | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | and the second | | | |
| | | | | | | |