RL-721
REV 4

NEPA REVIEW SCREENING FORM

Document ID Number: DOE/CX-00077

I. Project Title:

CH2MHill Plateau Remediation Company - Site Characterization and Environmental Monitoring for the evaluation of beryllium to other naturally occurring metals on and near the Hanford Site, September 2012 to September 2013.

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.):

CH2MHill Plateau Remediation Company (PRC) will conduct site characterization and environmental monitoring on and near the Hanford Site beginning last quarter of FY12 and continuing into FY13. PRC will perform all activities in accordance with the categorical exclusion (CX) limitations set forth in 10 CFR 1021, Appendices A & B to Subpart D, and CX B3.1, "Site Characterization and Environmental Monitoring". PRC projects include all those buildings and areas identified in Sections J.13 and J.14 of the PRC Contract, DE-AC06-08RL14788.

Activities would include, but not be limited to the sampling and characterization of soil and rock. The Field Work Supervisor has the authority move the sampling location specified in the attached table and map (3 pages total) by up to 100 feet to ensure the sample is representative and potential sensitive cultural and ecological disturbance is minimized. The actual location will be determined based on a field walk down of current site conditions. The designated amount of soil (at least 250 grams) will be collected at each sample location by compositing soil obtained from four proximal sub-locations.

Basic Sampling Instructions:
- Identify suitable sampling location at or near specified coordinates.
- Collect soil sample from top 15 cm of soil at 4 points within 1 m (3 ft) of sampling location.
- Composite and homogenize soils in stainless steel mixing bowl, sieve to <1,000 µm, then collect a minimum of 250 grams of soil in a 120 mL poly bottle. If samples require drying to facilitate sieving, heating methods (e.g., a microwave oven) may be employed, so long as these steps are documented in the field log.

The purpose of this evaluation is to determine if a "fingerprint" of ratios exists that would allow a determination of whether beryllium in older facilities comes from naturally occurring sources (blowing dust) or is man-made. The DQO is DOE/RL-2011-68 and the SAP is DOE/RL-2011-85.

III. Reviews (if applicable):

Biological Review Report #: Biological/Ecological reviews will be conducted when required.

Cultural Review Report #: Cultural reviews will be conducted when required.

Additional Attachments:

Sample location map and table - 3 pages.

IV. Existing NEPA Documentation

Is the proposed action evaluated in a previous EA, EIS, or under CERCLA?	YES	NO
	☐	☒

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.

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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?	☒	☐
Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?	☐	☒
Is the proposed 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)?	☐	☒

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):

CX B3.1 Site Characterization and Environmental Monitoring

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?	☐	☒
Does the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?	☐	☒
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?	☐	☒
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?	☐	☒

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	Bob Cathel	Bob Cathel	8/30/12
Cognizant Environmental Compliance Officer	Rick Oldham		9.4.12

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:

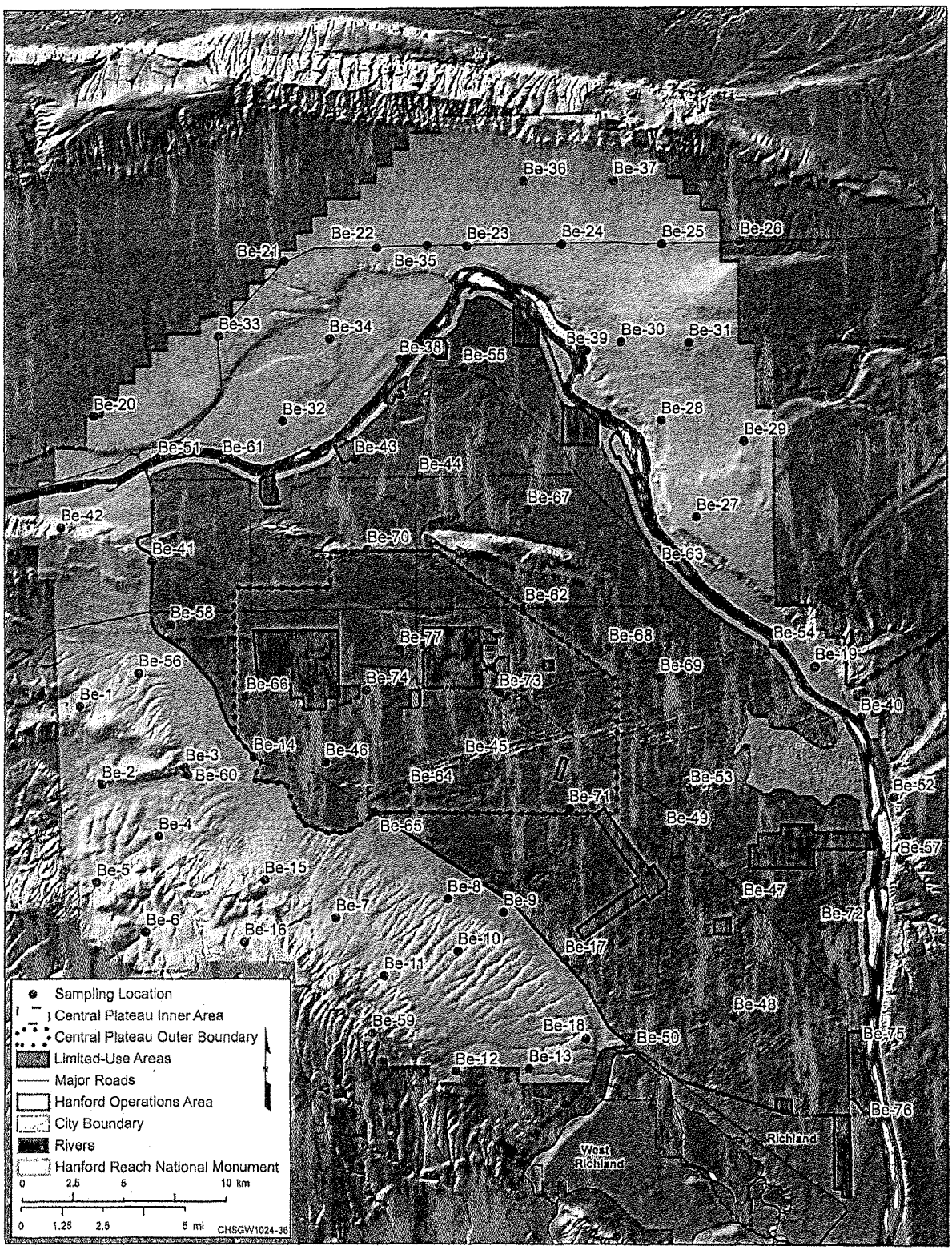
NCO Determination - ☒ CX ☐ EA ☐ EIS

Signature: Woody Russell Date: 9/24/12

ATTACHMENT

NEPA Review of the

"Evaluation of beryllium to other naturally occurring metals in background soils around the Hanford Site"


Be-36
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Be-14
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Be-3
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Be-52
Be-71
Be-4
Be-65
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Be-57
Be-5
Be-15
Be-8
Be-47
Be-7
Be-9
Be-72
Be-6
Be-16
Be-10
Be-17
Be-11
Be-48
Be-59
Be-18
Be-50
Be-75
Be-12
Be-13
Be-76
Richland
West Richland
Sampling Location
Central Plateau Inner Area
Central Plateau Outer Boundary
Limited-Use Areas
Major Roads
Hanford Operations Area
City Boundary
Rivers
Hanford Reach National Monument
0 2.5 5 10 km
0 1.25 2.5 5 mi
CHSGW1024-36

Table 1-1. Summary of Sampling Locations

Location Number	Latitude	Longitude	Location Number	Latitude	Longitude
Be–1	46.53604	119.77499	Be–40	46.52694	119.2713
Be–2	46.5015	119.76132	Be–41	46.59996	119.72757
Be–3	46.50862	119.70805	Be–42	46.61511	119.78612
Be–4	46.47826	119.7253	Be–43	46.64381	119.59711
Be–5	46.45795	119.76517	Be–44	46.63603	119.55563
Be–6	46.43565	119.73416	Be–45	46.51155	119.52635
Be–7	46.4412	119.61182	Be–46	46.51011	119.61657
Be–8	46.44898	119.5397	Be–47	46.44809	119.34598
Be–9	46.44263	119.50407	Be–48	46.39759	119.3525
Be–10	46.42582	119.53373	Be–49	46.48005	119.39589
Be–11	46.41525	119.58157	Be–50	46.38848	119.41969
Be–12	46.37247	119.5364	Be–51	46.64375	119.72443
Be–13	46.37327	119.48903	Be–52	46.49473	119.24852
Be–14	46.51303	119.66376	Be–53	46.49824	119.38
Be–15	46.45835	119.65726	Be–54	46.56186	119.32674
Be–16	46.43091	119.67099	Be–55	46.68429	119.52646
Be–17	46.4216	119.46494	Be–56	46.54932	119.73723
Be–18	46.38612	119.45161	Be–57	46.4672	119.244
Be–19	46.54957	119.30052	Be–58	46.57082	119.71666
Be–20	46.66436	119.76411	Be–59	46.39019	119.58658
Be–21	46.73231	119.63952	Be–60	46.50459	119.70586
Be–22	46.7376	119.57975	Be–61	46.64383	119.68308
Be–23	46.73782	119.52118	Be–62	46.57835	119.48681
Be–24	46.73796	119.45966	Be–63	46.59641	119.39898
Be–25	46.73733	119.39532	Be–64	46.49857	119.56164
Be–26	46.73817	119.34477	Be–65	46.48803	119.58549
Be–27	46.61625	119.37543	Be–66	46.53921	119.6679
Be–28	46.65922	119.39741	Be–67	46.6213	119.4848

Table 1-1. Summary of Sampling Locations

Location Number	Latitude	Longitude	Location Number	Latitude	Longitude
Be–29	46.64933	119.34402	Be–68	46.5607	119.4323
Be–30	46.69441	119.42182	Be–69	46.5473	119.4
Be–31	46.69359	119.37835	Be–70	46.604	119.5891
Be–32	46.66131	119.6418	Be–71	46.4895	119.4584
Be–33	46.69923	119.68308	Be–72	46.4379	119.2956
Be–34	46.69751	119.61065	Be–73*	46.54068	119.50403
Be–35	46.73828	119.54679	Be–74*	46.54185	119.59016
Be–36	46.76616	119.48325	Be–75*	46.38489	119.26887
Be–37	46.76572	119.42517	Be–76*	46.35135	119.26408
Be–38	46.68789	119.56575	Be–77*	46.55965	119.56845
Be–39	46.6906	119.44403			

* These locations are being sampled for general information and are not assumed to be representative of background.