

Zappe, Steve, NMENV

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Subject: Scope of Hanford Tier 1&2 Evalauation of SHENCA and High Energy RTR - March 22-23
Attachments: Replicate Request.pdf; Hanford-CCP T1 & T2 Scope.pdf

Here is the scope of the evaluation and replicate container selection for next week. Please forward to anyone I may have missed, especially at the Hanford site.

I still need the following information from CBFO/CCP:

Meeting location and directions
Badging information for Hanford, may delay the start of our work

Please contact me by e-mail or on my cell phone at 202-441-4962.

(See attached file: Replicate Request.pdf)(See attached file:
Hanford-CCP T1 & T2 Scope.pdf)

Thanks

Ed Feltcorn



**Scope of EPA's Tier 1 Change Evaluation at Hanford-CCP:
Non Destructive Assay - Super High Efficiency Neutron Counter A (SHENCA)
and the High Energy Real Time Radiography (HE RTR) Unit**

DOE Site: Hanford Site – Central Characterization Project (Hanford–CCP)

Organizations Notified: Department of Energy – Carlsbad Field Office
New Mexico Environment Department
Environmental Protection Agency – Region 10

Evaluation Dates: March 22-23, 2011

Inspection Schedule: Tuesday 8:00 – 8:30 am, Entrance Meeting*
Tuesday 8:30 am – 4:00 pm, Conduct Evaluations
Wednesday 8:00 am – Management Briefing, as needed*
Wednesday 8:00 am – 3:00 pm, Conduct Evaluations
Wednesday 3:30 – 4:00 pm, Close-Out Meeting*

* With Hanford-CCP Management and technical leads

EPA Inspection Team: Edward Felcorn, US EPA HQ
Patrick Kelly, EPA Contractor (SC&A)
Dorothy Gill, EPA Contractor (SC&A)
Rose Gogliotti, EPA Contractor (SC&A)

Evaluation Scope:

EPA will conduct a Tier 1 evaluation in accordance with 40 CFR 194.8(b) to evaluate the adequacy, implementation, and effectiveness of technical processes implemented by Hanford-CCP for using the SHENCA Nondestructive Assay (NDA) system for characterizing CH TRU debris waste in 55-gallon drums and standard waste boxes (SWBs). Simultaneously EPA will evaluate a new HE RTR unit as a Tier 2 change.

Characterization Systems To Be Inspected:

On March 22-23, 2011, EPA will evaluate the SHENCA and the new HE RTR unit for use in the CH waste program under the inspection authority described in 40 CFR 194.8(b). The EPA evaluation includes personnel qualifications/training (by review of records and conducting interviews), operating procedures, and tests of equipment to determine regulatory compliance and assess the adequacy of the SHENCA and HE RTR systems.

CCP Governing Documents:

- CCP Transuranic Waste Certification Plan, CCP-PO-002
- CCP Transuranic Waste Characterization Quality Assurance Project Plan (QAPjP), CCP-PO-001

Additional Documents:

During the evaluation, EPA may require additional documents, such as a list of and/or specific examples of NDA or RTR Batch Data Reports (BDRs). EPA requests that these documents be provided prior to beginning the evaluation. The documents include the following:

- A list of SHENCA BDRs and 55-gallon drums that have been promoted through project level review and the availability to examine written and visual records for all the RTR BDRs
- A list of qualified personnel (operators and subject matter experts) and qualification packages for all qualified personnel (current List of Qualified Individuals or LOQI)
- A list of the items contained in the HE RTR qualification container
- A copy of the Acceptable Knowledge Summary Report (AKSR) for the waste stream(s) processed in the completed BDRs.
- A copy of the formal documents that present the technical basis and results of the SHENCA calibration, calibration confirmation and the Total Measurement Uncertainty and Lower Limit of Determination

In addition, EPA requests to witness a demonstration of the evaluated processes by observing operation of the SHENCA for assaying at least one container (SWB or 55-gallon drum) during the on-site evaluation. EPA may select a small sample of containers of each type assayed by the SHENCA to be re-assayed for EPA replicate analysis.

Inspection Logistics:

A week before the evaluation, Hanford-CCP must inform EPA of the location to be used for the following meetings:

- The EPA Evaluation Team will meet with the appropriate Hanford-CCP management at 8:00 am on March 22, 2011 for an opening meeting
- The EPA Evaluation Team Leader will meet with the appropriate Hanford-CCP management on March 23, 2011 at 8:00 am if deemed necessary
- A post-evaluation EPA briefing for the appropriate Hanford-CCP management will be held March 23, 2011 at 3:30 pm.

CBFO QA is welcome to provide observers for this EPA evaluation.



Replicate Container Selection for Hanford SHENCA

Ed Feltcorn o court.fesmire

03/02/2011 01:28 PM

Cc: david.ploetz, Site Documents - DOE, pkelly

From BDR...001 - Container RL0037375
From BDR...002 - Container RL0037369

Please run them no earlier than the 15th of March and leave at least 1 run of the 5 remaining on one container for the week of the inspection.

Thank you

Ed Feltcorn