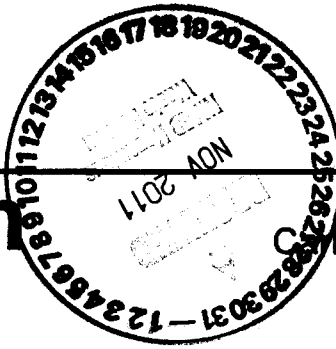


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Carlsbad Field Office
Carlsbad, New Mexico 88221

DATE: NOV 30 2011

REPLY TO
ATTN OF: CBFO:OQA:CGF:MAG:11-1968:UFC 2300.00

SUBJECT: Surveillance Report S-12-10, Idaho National Laboratory Central Characterization Project ACL

TO: Jerry L. Wells, DOE-ID

Attached is Surveillance Report S-12-10 of the Idaho National Laboratory Central Characterization Project Analytical Chemistry Laboratory (ACL). The surveillance was conducted November 1, 2011, at the ACL building at the Idaho National Laboratory site.

The surveillance team concluded that the technical and quality Assurance programs for the processes evaluated were adequate, satisfactorily implemented, and effective. The details of the surveillance are provided in the attached report.

If you have any questions or comments concerning the report, please contact me at (575) 234-7548.


Courtland G. Fesmire, P.E.
Quality Assurance Engineer

Attachment

cc: w/attachment

- | | | | |
|------------------------|------|--------------------------------|----|
| R. Unger, CBFO | * ED | S. Ghose, EPA | ED |
| J. R. Stroble, CBFO | ED | R. Lee, EPA | ED |
| T. Morgan, CBFO | ED | J. Kieling, NMED | ED |
| N. Castaneda, CBFO | ED | S. Holmes, NMED | ED |
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| D. Ploetz, WTS/CCP | ED | T. Kesterson, DOE OB WIPP NMED | ED |
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| V. Cannon, WTS/CCP | ED | P. Gilbert, LANL-CO | ED |
| C. Turner, WTS/CCP | ED | G. Lyshik, LANL-CO | ED |
| A. J. Fisher, WTS/CCP | ED | P. Y. Martinez, CTAC | ED |
| M. Walker, WTS/CCP | ED | M. Mager, CTAC | ED |
| Y. Salmon, WTS/CCP | ED | WIPP Operating Record | ED |
| J. Carter, WTS/CCP | ED | CBFO QA File | |
| M. Eagle, EPA | ED | CBFO M&R | |

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CBFO SURVEILLANCE REPORT

Surveillance Number: S-12-10 **Date of Surveillance:** November 1, 2011

Surveillance Title: Idaho National Laboratory Central Characterization Project (INL/CCP) Analytical Chemistry Laboratory (ACL) High Performance Liquid Chromatography (HPLC-1) Surveillance

Organization: INL/CCP

Surveillance Team:

Priscilla Y. Martinez	Team Leader, Carlsbad Field Office (CBFO) Technical Assistance Contractor (CTAC)
B.J. Verret	Technical Specialist, CTAC

Surveillance Scope:

Surveillance S-12-10 was conducted to verify the operability, implementation, and effectiveness of HPLC-1 used for analysis of samples for hydrazine and formaldehyde, and the associated procedure, to confirm the adequacy, implementation, and effectiveness of this process for Summary Category Groups S3000 solids and S4000 soils/gravel waste relative to the requirements of the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit.

Surveillance Results:

The surveillance team determined that the HPLC-1 instrument operation and the generation of data from the equipment in support of hydrazine and formaldehyde analysis for solids sample analysis for WIPP characterization activities were in compliance with upper-tier requirements. The evaluation was based on the following documents.

- *CBFO Quality Assurance Program Document (QAPD), DOE/CBFO-94-1012*
- *Waste Isolation Pilot Plant Hazardous Waste Facility Permit No. NM4890139088-TSDF*
- *CCP Laboratory Logbooks, CCP-QP-011*
- *CCP Determination of Formaldehyde by High-Performance Liquid Chromatography (HPLC), CCP-TP-196*
- *CCP Determination of Hydrazine by High-Performance Liquid Chromatography (HPLC), CCP-TP-197*

Activities Evaluated:

The surveillance team evaluated operability of the HPLC-1.

The HPLC-1 analyses of formaldehyde and hydrazine at the INL/CCP ACL were examined during the surveillance to verify operability, implementation and effectiveness.

During the surveillance, a tour of the laboratory was conducted and the surveillance team verified that all required instruments, reagents, sample storage, standards, logbooks, and measuring and test equipment (M&TE) were present and acceptable.

Interviews were conducted with HPLC operators and data reviewers. Batch data reports (BDRs) for formaldehyde (ALD11022F) and hydrazine (ALD11022H) and the supporting data were examined in detail. The surveillance team determined that all requirements for BDRs were met. Supporting data, initial calibration limit (ICAL) performance, minimum detection limit (MDL) studies, and performance and accuracy data for formaldehyde and hydrazine operations were examined. All requirements were checked against the data and the results were found to be acceptable. One nonconformance report (NCR) was evaluated and found to be compliant with requirements.

The surveillance team concluded that formaldehyde and hydrazine HPLC-1 analyses at the INL/CCP ACL are acceptable, satisfactory and effective. No concerns were identified during the surveillance.

Surveillance Team Leader Signature: Priscilla Y. Martinez Date: 11-9-11
Priscilla Y. Martinez

Assistant Manager/Office Director: N/A Date: N/A

CBFO QA Director Approval Signature: Courtano Fesmire Date: 30 Nov 2011
COURTANO FESMIRE
FOR RANDY UNGER