



United States Government

Department of Energy

# memorandum

Carlsbad Field Office  
Carlsbad, New Mexico 88221

DATE: APR 15 2011

REPLY TO  
ATTN OF: CBFO:OQA:DSM:MAG:11-0522:UFC 2300.00

SUBJECT: Surveillance Report for Surveillance S-11-16 of the Oak Ridge National Laboratory Central Characterization Project NDA IQ3 Software Upgrade

TO: William (Bill) McMillan, DOE-OR



The Carlsbad Field Office (CBFO) conducted Surveillance S-11-16 of the Oak Ridge National Laboratory Central Characterization Project (ORNL/CCP) NDA 2000 software transition on March 29, 2011 at the Canberra Corporation offices located at 2732 Vassar Place, Suite C, in Albuquerque, New Mexico. The surveillance report is attached.

The surveillance team concluded that the ORNL/CCP transition from the GWAS software to NDA 2000 for the IQ3 measurement system was adequate, satisfactorily implemented, and effective.

If you have any questions or comments, please contact me at (575) 234-7483.

Martin P. Navarrete  
Senior Quality Assurance Specialist

### Attachment

cc: w/attachment

- |                       |     |                                |    |
|-----------------------|-----|--------------------------------|----|
| D. Miehl, CBFO        | *ED | S. Ghose, EPA                  | ED |
| J. R. Stroble, CBFO   | ED  | R. Lee, EPA                    | ED |
| T. Morgan, CBFO       | ED  | S. Zappe, NMED                 | ED |
| N. Castaneda, CBFO    | ED  | S. Holmes, NMED                | ED |
| D. Haar, WTS/CCP      | ED  | T. Kesterson, DOE OB WIPP NMED | ED |
| D. Ploetz, WTS/CCP    | ED  | D. Winters, DNFSB              | ED |
| V. Cannon, WTS/CCP    | ED  | P. Gilbert, LANL-CO            | ED |
| A. J. Fisher, WTS/CCP | ED  | G. Lyshik, LANL-CO             | ED |
| M. Walker, WTS/CCP    | ED  | G. Knox, CTAC                  | ED |
| Y. Salmon, WTS/CCP    | ED  | P. Martinez, CTAC              | ED |
| T. Peake, EPA         | ED  | K. D. Martin, CTAC             | ED |
| M. Eagle, EPA         | ED  | WIPP Operating Record          | ED |
| E. Feltcorn, EPA      | ED  | CBFO QA File                   |    |
| R. Joglekar, EPA      | ED  | CBFO M&RC                      |    |

\*ED denotes electronic distribution



## CBFO SURVEILLANCE REPORT

Surveillance Number: S-11-16 Date of Surveillance: March 29, 2011

Surveillance Title: ORNL/CCP NDA IQ3 Software Upgrade

Organization: Oak Ridge National Laboratory Central Characterization Project (ORNL/CCP)

### Surveillance Team:

Greg Knox	Surveillance Team Leader, CBFO Technical Assistance Contractor (CTAC)
Jim Oliver	Technical Specialist, CTAC

### Surveillance Scope:

Surveillance S-11-16 was performed on Tuesday, March 29, 2011, at the Canberra Corporation offices in Albuquerque, NM. The surveillance team evaluated the ORNL/CCP transition from the obsolete GWAS software for nondestructive assay (NDA) IQ3 equipment to the new NDA 2000 software package and the implementation of and compliance to revised NDA IQ3 procedures.

### Results:

#### Activities Evaluated:

ORNL/CCP has changed the software package used to control the IQ3 and perform the necessary measurement analyses to NDA 2000. NDA 2000 is the most prevalent software package used by CCP for controlling systems and analyzing results for transuranic (TRU) waste intended for disposal at the Waste Isolation Pilot Plant (WIPP). The implementation of the NDA 2000 software did not require any physical changes to the IQ3 measurement system in Oak Ridge; therefore, a site visit was not required.

CCP made available the NDA 2000 software package, the designated Expert Analyst (EA) for ORNL/CCP, and the Site Project Manager (SPM) for ORNL/CCP. The EA was interviewed at length and the review process for analytical data actually produced by the IQ3 was observed.

CCP provided three batch data reports (BDRs), OR-IQ3-0185, OR-IQ3-0187, OR-IQ3-0192. These BDRs were reviewed for adequacy with regard to applicable WIPP requirements.

### Surveillance Results:

The results of the surveillance indicate that the ORNL/CCP transition to and implementation of the NDA 2000 software for the IQ3 measurement system was adequate, satisfactorily implemented, and effective.

Corrective Action Reports:

No corrective action reports were issued as a result of the surveillance.

Deficiencies Corrected During the Surveillance:

No deficiencies were identified that were corrected during the surveillance.

Observations:

No Observations were made as a result of the surveillance.

Recommendations:

No Recommendations were made as a result of the surveillance.

Surveillance Team Leader Signature:  Date: 11 APR 11  
Greg Knox

Assistant Manager/Office Director: N/A Date:                     

CBFO Acting QA Director Approval Signature:  Date: 4-14-11