GEOSCIENCES AND ENGINEERING DIVISION
QUALITY ASSURANCE
SURVEILLANCE REPORT

PROJECT NO.: .06002.01.292,302,312.362	REPORT No.: 2005-19	Page 1 of 21 MMD 11/1/05

SURVEILLANCE SCOPE: Geology and Geophysics

REFERENCE DOCUMENTS: AP-001, Evaluation of Potential for Conflict of Interest; QAP-001, Scientific Notebook Control; QAP-002, Review of Documents, Reports, and Papers; QAP-004, Surveillance Control; QAP-005, Quality Indoctrination and Training; QAP-007, Professional Personnel Qualification; QAP-013, Quality Planning; QAP-016, Procurement; QAP-019, Control of Measuring and Test Equipment; and TOP-012, Identification and Control of Samples and Chemical Reagents and Standards

START DATE: 10/14/2005	END DATE 10/31/2005	QA REPRESENTATIVE: Mark R. Ehnstrom MRE

PERSONS CONDUCTING ACTIVITY: J. Stamatakos, R. Benke, D. Hooper, N. Franklin, D. Waiting, and M. Necsoiu

SATISFACTORY FINDINGS: Quality Requirements Application Matrix (QRAM) forms for Integrated Subissues (ISI) managed by Geology and Geophysics, "General Information, Airborne Transport, and Volcanic Distribution of Waste Package," were reviewed and used as a starting point for the surveillance. Information contained on the QRAM's were found to be accurate in identifying the portions of the quality program to be applied.

Detailed findings were:

General Information ISI: There is no current activity in which surveillance activities can be performed in the General Information ISI.

Volcanic Disruption of Waste Packages ISI: The majority of this work is performed by the University of Bristol. The university is an approved subcontractor to the CNWRA and was last evaluated in May 2005 for organizational and individual Conflict of Interest. Work at the university is expected to be completed in the near future. Scientific Notebook 561 has been returned and closed.

Airborne Transport of Radionuclides ISI: Grain size studies are to be performed at Oregon State University. Since Oregon State University is not an approved supplier, a Procurement Plan was developed that describes the process for utilizing a National Institute of Standards and Technology standard reference material to assure accurate results. A Mettler balance (calibrated on May 5, 2005 and due November 23, 2005) was used for dust measurements.

Spectral and chemical analysis of samples obtained at Sunset Crater will be performed. Division's 01 and 18 are currently being evaluated and may perform these testing activities. This activity will be documented in scientific notebook 747E. This notebook was reviewed during surveillance and at this time only contains information recorded during site activities at Sunset Crater when the samples were obtained.

UNSATISFACTORY FINDINGS: None

NCR NO.: N/A	CAR NO.: N/A

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS: None

APPROVED: [signature] DATE: 11/7/2005	DISTRIBUTION: ORIGINAL—QA RECORDS DIRECTOR, QA ASSISTANT DIRECTOR: G. Wittmeyer MANAGER J. Stamatakos PRINCIPAL INVESTIGATOR: R. Benke, N. Franklin