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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-5708-461/471

REPORT NO.: 97-07

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SURVEILLANCE SCOPE: Pre-field trip surveillance. To check equipment prior to use in the field. Work is in the Structural Deformation and Seismicity KTI.

REFERENCE DOCUMENTS: QAP-004, Surveillance Control, Section 3.3 and 3.4; CNWRA Operations Plans, Rev. 9, Chg. 1, February 1997 (approved by NRC February 1997); CNWRA Program Manager's Periodic Report for Period 6, FY97; Latest Quality Requirements Application Matrix.

STARTING DATE: 4/1/97

ENDING DATE: 4/1/97

QA REPRESENTATIVE: B. Mabrito

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: C. Connor, B. Hill, R. Martin, J. Stamakatos.

SATISFACTORY FINDINGS: Equipment being used for field activities was checked and serial numbers were located on the equipment. The Geometrics, Inc. Magnetometer, model number G-858, serial number 29077, is a CNWRA/SwRI instrument which uses known magnetic values and measures the relative variations. There is a model G-212 sensor attached to the magnetometer and the sensor assembly number is 0027516-05. The PI, C. Connor, stated that a relative calibration is conducted in the field using the earth's magnetic field. The field work is to measure the magnetic variation as the unit is moved from place to place. The second unit was leased from Geometrics (395 Java Drive, Sunnyvale, CA 94086) and it will be used as the stationary base station in the field. The second magnetometer is a G-856AX model and the sensor is a G-816/826 model, and the serial number for them was 227045. The PI explained the same procedure regarding calibration applied to the leased model.

The magnetometers checked for shipping and packaging protection, and Dr. Connor explained that a special cardboard box was used to protect the cases and instruments during air craft flights.

Personnel qualifications for the following individuals who are involved in this KTI work were checked and were found to be up-to-date, properly signed by the cognizant director, and in the correct folders: B. Hill, C. Connor, R. Martin, and J. Stamatakos.

UNSATISFACTORY FINDINGS: There were no unsatisfactory findings concerning this limited scope surveillance.

NONCONFORMANCE REPORT NO.: N/A.

ATTACHMENTS: Partial listing of leased items list from Geometrics.

RECOMMENDATIONS/ACTIONS: None.

APPROVED: _____

CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 4/4/97

DISTRIBUTION:

ORIGINAL - CENTER QA DIRECTOR QA Records

ORIGINATOR B. Mabrito

PRINCIPAL INVESTIGATOR B. Hill

ELEMENT MANAGER L. McKague

B. Sagar, H. Garcia

A. Chowdhury, R. Baca, E. Percy, N. Sridhar

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SOUTHWEST RESEARCH INST.
March 25, 1997

SLM0906

SHIPMENT INVENTORY
16600-01 G-856AX MAGNETOMETER

UNIT ID	QTY	SHIP	PART #	DESCRIPTION
277045	1		16602-01	G-856AX CONSOLE ✓
	1		16076-01	PORTABLE SENSOR ✓
	1		16005-01	SENSOR STAFF ✓
	1		16002-01	CARRYING HARNESS ✓
	1		16143-01	SENSOR CABLE 8 FT ✓
	1		16492-01	RS-232 DATA OUTPUT CABLE ✓
	1		60-230-231	9 PIN ADAPTER (RS-232) ✓
	18		40-202-001	BATTERIES "D" 2 SETS ✓
	1		18101-02	OPERATORS MANUAL ✓
	1		16700-01	MAGLOC SOFTWARE MANUAL ✓
	1		16003-01	CARRY CASE ✓
	1		16652-01	EXTERNAL POWER SENSOR CABLE ✓

PLEASE CHECK THIS LIST BEFORE RETURNING EQUIPMENT TO GEOMETRICS. CUSTOMER WILL BE BILLED FOR MISSING ITEMS. MANUALS AND DISKS ARE BILLABLE IF NOT RETURNED.