



**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
QUALITY ASSURANCE
SURVEILLANCE REPORT**

PROJECT NO.:20.06002.031	REPORT No.: 2005-06	Page <u>1</u> of <u>4</u>
SURVEILLANCE SCOPE: Verification of Calibration Documentation in QA Records- This surveillance is follow-up for NCR-2004-18 that identified that calibration records were not being provided to QA records for archiving. CNWRA management had assumed that the SwRI Calibration Laboratory was responsible for providing documents CNWRA QA records, however the laboratory only provides documentation to the instrument custodians. The NCR determined that Instrument custodians are responsible for delivering calibration documentation to CNWRA QA records for archiving.		
REFERENCE DOCUMENTS: QAP-019, Control of Measuring and Test Equipment and QAP-012, Records Control		
START DATE:2/16/2005	END DATE 2/25/2005	QA REPRESENTATIVE: Mark R. Ehnstrom <i>MRE</i>
PERSONS CONDUCTING ACTIVITY: N/A		
SATISFACTORY FINDINGS: A review was performed between calibration documentation maintained by the SwRI Calibration Laboratory and calibration documentation located in the Division 20 Electronic Library Facility (ELF) representing the QA records inventory. With a few exceptions, legacy documents (i.e., documents from before September 16, 2003) have been placed into the QA records.		
UNSATISFACTORY FINDINGS: In many cases, documentation for calibrations performed after the legacy period has not been sent to QA records. Attachment A identifies measuring and test equipment which calibration documentation has not been placed into QA records.		
NCR NO.: N/A	CAR NO.: N/A	
ATTACHMENTS: Attachment A identifying equipment having documentation missing from QA records.		
RECOMMENDATIONS/ACTIONS: Equipment custodians will be contacted in person and informed of their responsibility to (1) obtain missing documentation listed in Attachment A from the SwRI Calibration Laboratory, (2) provide the missing documentation to CNWRA QA records, and (3) deliver future calibration documentation to CNWRA QA Records within one week of receipt from the SwRI Calibration Laboratory.		
APPROVED: <i>[Signature]</i> DATE: <u>2/25/05</u>	DISTRIBUTION: ORIGINAL—QA RECORDS DIRECTOR, QA TECHNICAL DIRECTOR- P. Mackin MANAGER N/A PRINCIPAL INVESTIGATOR N/A	

Equipment Type	Custodian	Serial No.	Asset No.	# Missing post-legacy documentation	# Missing legacy calibration documentation
Balance	Werling	1122142733	10225	1	
Pressure Transducer	Hill	5000334	8463	1	
Pressure Transducer	Hill	5000333	8464	1	
Pressure Transducer	Hill	5000371	8466	1	
Hum./Temp. Meter	Dinwiddie	X2020011	9456	2	
Flow Meter	Dinwiddie	G20793	9668	1	1
Flow Meter	Dinwiddie	G20791	9669	5	
Pressure Transducer	Dinwiddie	288713	9671	4	
Flow Meter	Dinwiddie	58717-1	9670	2	
Electrometer	Dunn	537418	1044	3	
Multimeter	Dunn	5005078	1434	1	
Picoammeter	Dunn	509163	1437	1	
Electrometer	Dunn	467374	1438	2	
Ex. Ion Analyzer	Dunn	S001A	1880	2	
Ex. Ion Analyzer	Dunn	2330	1948	1	
Thermocouple Therm.	Dunn	T-94140	1997	3	3
Thermometer	Dunn	323007	2045	2	
Chart Recorder	Dunn	49616	2291	2	
Chart Recorder	Dunn	515265	2292	2	
Thermometer	Dunn	183301	2467	3	
Thermometer	Dunn	183303	2469	3	
Thermometer	Dunn	183304	2470	3	
Thermometer	Dunn	183305	2471	3	
Temperature Meter	Dunn	3130900	2524	3	
Electrometer	Dunn	555368	2792	3	
Resistor Box	Dunn	171002	3095	3	
Resistor Box	Dunn	171001	3096	3	
Thermometer	Dunn	115858	3242	1	
Exp. Ion Analyzer	Dunn	4274	3325	3	
Electrometer	Dunn	579628	3400	2	
Chart Recorder	Dunn	91E34523	4828	2	
Thermometer	Dunn	C96-833	4986	2	2
Thermometer	Dunn	C96-649	4989	2	2
Thermometer	Dunn	C96-637	4991	2	2
Thermometer	Dunn	C96-377	4993	2	
Exp. Ion Analyzer	Dunn	TV64A	5352	2	
Thermometer	Dunn	C96-852	5432	3	
Thermometer	Dunn	C96-816	5433	3	
Thermometer	Dunn	C96-783	5434	3	
Thermometer	Dunn	C98-106	7164	1	
Thermometer	Dunn	H98-187	7165	2	
Thermometer	Dunn	H98-170	7166	1	
Thermometer	Dunn	H98-182	7167	1	
Thermometer	Dunn	H98-179	7169	1	
Thermometer	Dunn	C98-132	7170	2	
Thermometer	Dunn	H98-162	7171	1	

Thermometer	Dunn	H98-149	7298	4	
Thermometer	Dunn	E98-273	7303	3	
Thermometer	Dunn	F98-393	7304	3	
Thermometer	Dunn	E98-191	7665	3	
Thermometer	Dunn	A2000-130	8109	4	4
Thermometer	Dunn	H00-387	8724	3	
Thermometer	Dunn	1238002	1430	1	
Thermometer	Dunn	115749	3247	1	
Electrometer	Dunn	704934	7088	1	
Electrometer	Dunn	704936	7089	1	
Electrometer	Dunn	735984	7670	1	
Resister Box	Dunn	7243	72443	3	
Multimeter	Dunn	73850992	7645	2	
Multimeter	Dunn	73980497	7646	2	
Multimeter	Dunn	73980493	7647	2	
RTD	Dunn	322	8422	1	
RTD	Dunn	323	8423		1 (03/03)
RTD	Dunn	324	8424		1 (01/03)
Thermocouple	Dunn	331	8426	2	
Thermocouple	Dunn	333	8427	3	
Thermocouple	Dunn	334	8428	2	
Thermocouple	Dunn	335	8429	2	
Thermocouple	Dunn	326	8430	3	
Thermocouple	Dunn	327	8431	3	
Thermocouple	Dunn	328	8432	3	
Thermocouple	Dunn	329	8433	3	
Thermocouple	Dunn	330	8434	3	
Thermocouple	Dunn	293376W	9261	1	
Thermocouple	Dunn	332	8435	1	
Torque Screwdriver	Dunn	139072	9202	3	
Balance	Prikryl	101237	1439	1	
Tem./Hum. Trans.	Prikryl	W1840037	8768	2	
Thermocouple	Prikryl	W1840062	8769	4	
Balance	Green	N45601	2478	2	
Balance	Dunn	12809099	ME215S	3	
Torque Screwdriver	Dunn	139072	6104	3	
Thermometer	Dunn	1238002	14-983-10	1	
PH Meter	Dunn	3340	1893	1	
Caliper	Dunn	20-8C-1	2185	N/A	3
Scaler Ratemeter	Pickett	110912	5068	2	
Balance	Prikryl	101237	1439	1	
Radiation Monitor	Bertetti	59298	3501	2	
Geiger Counter	Bertetti	83561	3535	1	
Radiation Meterr	Bertetti	100939	3536	2	
Probe	Bertetti	82374	3537	2	
Survey Meter	Bertetti	151675	6889	2	
Balance	Green	39030006	1444	2	
Hydra Data Logger	Green	5832650	5129	2	
AC Watt Transducer	Green	3080277	10470	1	

Critical Measuring and Test Equipment Not Located In ELF					Page 4 of 4
RTD	Dinwiddie	G20791	9669	all	all
Resistor	Bannon	1	11354	all	all
Resistor	Bannon	2	11355	all	all
Resistor	Bannon	3	11356	all	all
Resistor	Bannon	4	11357	all	all
Resistor	Bannon	5	11358	all	all
Resistor	Bannon	6	11359	all	all
Thermocouple	Chiang	11116	11116	all	all
Micrometer	Dunn	2437171	734M	all	all
Caliper	Dunn	3031512	10085	all	all
LCR Meter	Juckett	3164285	7600	all	all
Torque Screwdriver	Dunn	1001200319	10443	all	all
Laser Monitor	Dunn	33121/35716	10729	all	all
Hygro-Thermometer	Dunn	21318178	9808	all	all
Torque Screwdriver	Dunn	918697	10126	all	all
Thermometer	Dunn	11082	11082	all	all
Thermometer	Dunn	11083	11083	all	all
Weight 1g.	Chiang	66665	11115	all	all
Thermocouple	Chiang	11116	11116	all	all
Thermocouple	Chiang	11117	11117	all	all
Thermocouple	Chiang	11118	11118	all	all
Humidy Meter/Probe	Yang	Z0730015	10699	all	all
Humidy Meter/Probe	Yang	Z075006	10700	all	all
Humidy Meter/Probe	Yang	Z0750005	10701	all	all
Pressure Gauge	Yang	10828	10828	all	all
Temperature Meter	Yang	10829	10829	all	all
Thermometer	Yang	2332580201-7	10864	all	all
Temp./Hum. Probe	Juckett	Y2830017	10302	all	all
Temp./Hum. Probe	Juckett	Y2540054	10323	all	all
Temp./Hum. Probe	Juckett	Y112007	10786	all	all
Temp./Hum. Probe	Juckett	Y2830016	10301	all	all
Pressure Gauge	Green	10373	10373	all	all
Pressure Gauge	Green	10617	10617	all	all
Pressure Gauge	Green	10618	10619	all	all
Vacuum Gauge	Green	10702	10702	all	all
Vacuum Gauge	Green	10703	10703	all	all
Vacuum Gauge	Green	10704	10704	all	all
Vacuum Gauge	Green	10705	10705	all	all
Pressure Transmitter	Green	476486	10820	all	all
Pressure Gauge	Green	356305	2862	all	all
Micro Switch	Green	9742	7175	all	all
Vacuum Gauge	Green	10618	10618	all	all