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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20-01402-171

REPORT NO: 2001-12

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SURVEILLANCE SCOPE: Quality Assurance review of Scientific Notebook Copies

REFERENCE DOCUMENTS: QAP-001, *Scientific Notebook Control*, Revision 4

STARTING DATE: 10/01/2001

ENDING DATE: 10/17/2001

QA REPRESENTATIVE: Thomas A. Mayces *TAM*

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: CNWRA Staff

SATISFACTORY FINDINGS: A review of e-mails and hard copies concerning approximately 158 active CNWRA scientific notebooks was performed to ensure that CNWRA Quality Assurance has a record copy or in-process copy of active scientific notebook information added since the March, 2001 "call for notebooks" in the QA Records Room. A compliance check to QAP-001 was performed on the scientific notebook copies that were turned in to CNWRA QA for placement in the QA Records Room. A summary of the results of the review follows:

81 CNWRA scientific notebooks had records stating that no new entries since the March 2001 review.

10 Scientific notebook copies had cross outs that needed to be initialed and or dated.

8 Scientific notebook copies failed to have all the required information and were returned for corrections to be in compliance with the requirements of QAP-001.

No discrepancies were found in the remaining controlled notebook copies.

It was noted that the scientific notebook responses were quicker to CNWRA QA after this "call for notebooks" and it appears that there was more care taken to be in compliance with the requirements of QAP-001.

See the attached *Scientific Notebook Copy Review for September 2001* for more detailed information.

UNSATISFACTORY FINDINGS: CNWRA QA is requesting corrective action on the copies of the scientific notebooks requiring corrections. A nonconformance report is not required at this time since the notebook copies have just been returned and are in process of being corrected.

NONCONFORMANCE REPORT NO: None.

ATTACHMENTS: A copy of *Scientific Notebook Copy Review for September 2001*

RECOMMENDATIONS/ACTIONS: CNWRA QA should continue to maintain a log of the notebooks that were returned for corrections. The corrected notebooks should be checked for compliance with the requirements of QAP-001. CNWRA QA should continue the surveillance of scientific notebooks.

APPROVED: *Thomas A. Mayces*
CNWRA DIRECTOR OF
QUALITY ASSURANCE

DATE: 10/17/2001

DISTRIBUTION:

ORIGINAL - CNWRA QA DIRECTOR QA Records

CC: ORIGINATOR - T. Mayces

W. Patrick, Element Managers, B. Sagar,
H. Garcia, and M. Ehnstrom

Scientific Notebook Copy Review for September 2001

Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	The Pages that were reviewed	Last Page Copied	Comments
10/12/01	9	No discrepancies		Reviewed copies of pages 137 to 138 only	138	
10/1/01	037-2		(No New Entries)		57	
10/16/01	59		Yes	Reviewed copy of page 1 to 65 only	65	
10/12/01	88E	Corrected		Reviewed copies of pages 370 to 375 only	375	Additional entry initial/date missing
10/12/01	99		(No New Entries)		197	
10/1/01	121		(No New Entries)		57	
10/1/01	133		(No New Entries)		35	
10/1/01	141		(No New Entries)		204	
10/12/01	149		(No New Entries)		203	
10/1/01	163E		(No New Entries)			
10/12/01	170E-1e		(No New Entries)			
10/12/01	170E-2e	No discrepancies		Reviewed copies of pages 233 to 251 only	251	
10/12/01	170E-3e		(No New Entries)		6	
10/12/01	170E-4e		(No New Entries)		7	
10/12/01	170E-5e	No discrepancies		Reviewed copies of pages 5 to 9 only	9	
10/12/01	170E-6e		(No New Entries)		14	
10/12/01	170E-7e	No discrepancies		Reviewed copy of page 1 to 15 only	15	
10/12/01	170E-8e		(No New Entries)			
10/12/01	170E-9e		(No New Entries)		121	
10/12/01	170E-10e	No discrepancies		Reviewed copies of pages 225 to 286 only	286	
10/12/01	170E-11e	No discrepancies		Reviewed copies of pages 1 to 6 only	6	
10/12/01	170E-12e		(No New Entries)			
10/12/01	170E-13e	No discrepancies		Reviewed copies of pages 2 to 7 only	7	
10/12/01	170E-14e		(No New Entries)		55	
10/1/01	172	No discrepancies		Reviewed copies of pages 28 to 30 only	30	
10/1/01	175		(No New Entries)		50	
10/12/01	181		(No New Entries)		145	
10/1/01	185E	No discrepancies		Reviewed pages 1 to 227 of Vol. 9 only	227	
10/1/01	189		(No New Entries)		278	
10/12/01	209	No discrepancies		Reviewed copies of pages 170 to 195 only	195	
10/12/01	212	Corrected	Yes		Closed	
10/1/01	224		(No New Entries)		100	
10/12/01	227		(No New Entries)		25	
10/16/01	248	No discrepancies		Reviewed copies of pages 212 to 221 only	221	
10/12/01	255		(No New Entries)		119	
10/16/01	261	No discrepancies		Reviewed copies of pages 97 to 105 only	105	
10/1/01	262		(No New Entries)		96	
10/12/01	269		(No New Entries)		79	
10/12/01	273		(No New Entries)		89	
10/12/01	275		(No New Entries)		101	
10/1/01	276		(No New Entries)		69	
10/1/01	278	No discrepancies			330	
10/2/01	279	No discrepancies		Reviewed copies of pages 214 to 215 only	215	
10/1/01	280		(No New Entries)		151	
10/12/01	281		(No New Entries)		33	
10/16/01	282	No discrepancies		Reviewed copies of Vol 9 pages 1 to 10 only	10	
10/12/01	286		(No New Entries)		36	

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Scientific Notebook Copy Review for September 2001

Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	The Pages that were reviewed	Last Page Copied	Comments
10/1/01	287		(No New Entries)		19	
10/12/01	288		Yes	Reviewed copies of pages 180 to 210 only	210	
10/1/01	290	No discrepancies		Reviewed copies of pages 110 to 128 only	128	
10/12/01	296		(No New Entries)		88	
10/12/01	297		(No New Entries)		11	
10/1/01	298	No discrepancies		Reviewed copies of pages 71 to 74 only	74	
10/12/01	300		(No New Entries)		41	
10/12/01	303		(No New Entries)		21	
10/16/01	304	No discrepancies		Reviewed copies of pages 175 to 179 only	179	
10/1/01	308	No discrepancies		Reviewed copies of pages 29 to 36 only	36	
10/1/01	309	No discrepancies		Reviewed copies of pages 189 to 304 only	304	
10/12/01	312		(No New Entries)		158	
10/12/01	313		(No New Entries)			
10/1/01	314	No discrepancies		Reviewed copies of pages 152 to 164 only	164	
10/16/01	318E	No discrepancies		Reviewed copies of Vol.5 pages 1 to 6	6	With supporting documents
10/1/01	320	No discrepancies		Reviewed copies of pages 154 to 155 only	155	
10/12/01	321		(No New Entries)		97	
10/12/01	322			Out in Field will be turned in Nov.		
10/1/01	325	No discrepancies		Reviewed copies of pages 126 to 162 only	162	
10/1/01	328	No discrepancies			Closed	
10/12/01	330		(No New Entries)		55	
10/12/01	331		(No New Entries)		20	
10/1/01	333		(No New Entries)		37	
10/12/01	334E	No discrepancies		Reviewed copies of Vol. 4 pages 1 to 7	7	With supporting documents
10/16/01	335E	Corrected		Reviewed copies of Vol. 2 pages 1 to 6 only	6	Missing Ending Statement to close
10/12/01	336		(No New Entries)		14	
10/12/01	337	Corrected		Reviewed copies of pages 31 to 45 only	45	Poor Copy Page# missing
10/12/01	338		(No New Entries)		18	
10/12/01	340		(No New Entries)		22	
10/1/01	348		(No New Entries)		96	Full Carried over to SN # 433
10/12/01	353		(No New Entries)		1	
10/12/01	354E	No discrepancies		Reviewed copies of pages 63 to 82 only	82	
10/16/01	355	No discrepancies		Reviewed copies of pages 85 to 90 only	90	
10/12/01	358		(No New Entries)		67	
10/1/01	359E	No discrepancies		Reviewed copies of pages 1 to 28 only	28	
10/12/01	360	No discrepancies		Reviewed copies of pages 73 to 110 only	110	
10/12/01	362		Yes	Reviewed copies of pages 1 to 160 only	160	
10/1/01	363	No discrepancies		Reviewed copies of pages 60 to 82 only	82	
10/12/01	364E		(No New Entries)			
10/12/01	366	No discrepancies		Reviewed copies of pages 166 to 289 only	289	
10/1/01	367		(No New Entries)		92	
10/1/01	368		(No New Entries)		51	
10/1/01	369	No discrepancies		Reviewed copies of pages 18 to 37 only	37	
10/12/01	373E		(No New Entries)		11	
10/16/01	375	No discrepancies		Reviewed copies of pages 102 to 164 only	164	
10/16/01	376	No discrepancies		Reviewed copies of pages 13 to 14 only	14	

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Scientific Notebook Copy Review for September 2001

Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	The Pages that were reviewed	Last Page Copied	Comments
10/12/01	377		(No New Entries)		71	
10/12/01	378		(No New Entries)		17	
10/16/01	382	Corrected		Reviewed copies of pages 112 to 142 only	142	Poor Copy Page# missing
10/12/01	383	No discrepancies		Reviewed copies of pages 1 to 23 only	23	
10/1/01	390		(No New Entries)		35	
10/12/01	391		(No New Entries)		88	
10/16/01	392		(No New Entries)			
10/1/01	393	No discrepancies			Close	
10/1/01	394		(No New Entries)		81	
10/1/01	395		(No New Entries)		95	
10/12/01	396E	No discrepancies		Reviewed copies of pages 1 to 40 only	40	
10/12/01	397		(No New Entries)		10	
10/16/01	403		Yes	Reviewed copies of pages 80 to 111 only	111	
10/1/01	404		(No New Entries)		19	
10/12/01	406		(No New Entries)			
10/16/01	407	No discrepancies		Reviewed copies of pages 59 to 105 only	105	
10/12/01	408		(No New Entries)		90	
10/12/01	409		(No New Entries)		42	
10/12/01	410		(No New Entries)		1	
10/1/01	413		(No New Entries)		133	
10/12/01	415		(No New Entries)		58	
10/12/01	417		(No New Entries)		26	
10/2/01	418E	No discrepancies		Reviewed copies of pages 1 to 24 only	24	
10/1/01	419		(No New Entries)		40	
10/2/01	420	No discrepancies		Reviewed copies of pages 54 to 123 only	123	
10/16/01	421			Not Reviewed at this time		Notebook is in the mail
10/16/01	422			Reviewed copies of pages 1 to 123 only	123	Blank Bar missing Text and Fig. Info
10/12/01	423		Yes	Reviewed copies of pages 156 to 196 only	196	
10/2/01	425	No discrepancies		Reviewed copies of pages 64 to 67 only	67	
10/16/01	426E		(No New Entries)		45	
10/12/01	428	No discrepancies		Reviewed copies of pages 33 to 108 only	108	
10/12/01	429		Yes	Reviewed copies of pages 18 to 140 only	140	
10/12/01	430		Yes	Reviewed copies of pages 69 to 139 only	139	
10/2/01	431		(No New Entries)		15	
10/12/01	432		(No New Entries)	Vol. I		
10/12/01	432	No discrepancies		Vol. II Reviewed copies of pages 1 to 17 only	17	
10/12/01	432		(No New Entries)	Vol. III		
10/12/01	432	No discrepancies		Vol. IV Reviewed copies of pages 1 to 4 only	4	
10/12/01	432	No discrepancies		Vol. V Reviewed copies of pages 1 to 5 only	5	
10/12/01	432	No discrepancies		Vol. VI Reviewed copies of pages 1 to 8 only	8	
10/1/01	433		(No New Entries)		7	
10/12/01	434		(No New Entries)		17	
10/2/01	435	No discrepancies		Reviewed copies of pages 15 to 18 only	18	
10/12/01	436	No discrepancies		Reviewed copies of pages 76 to 96 only	96	
10/2/01	437	No discrepancies		Reviewed copies of pages 27 to 80 only	80	
10/2/01	438	No discrepancies		Reviewed copies of pages 4 to 10 only	10	

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Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	The Pages that were reviewed	Last Page Copied	Comments
10/12/01	440	Company Sensitive		Not permitted to review		In Safeguards Room 123 -
10/2/01	441	No discrepancies		Reviewed copies of pages 95 to 128 only	128	
10/2/01	443	No discrepancies		Reviewed copies of pages 14 to 26 only	26	
10/2/01	444	No discrepancies		Reviewed copies of pages 1 to 63 only	63	
10/2/01	445	No discrepancies		Reviewed copies of pages 11 to 21 only	21	
10/16/01	446	Company Sensitive		Not permitted to review		
10/2/01	447	No discrepancies		Reviewed copies of pages 10 to 13 only	13	
10/16/01	448	No discrepancies		Reviewed copies of pages 1 to 4 only	Close	
10/16/01	449	No discrepancies		Reviewed copies of pages 1 to 38 only	38	
10/12/01	450		Yes	Reviewed copies of pages 1 to 30 only	30	Poor Copy Page# missing
10/16/01	451E	No discrepancies		Reviewed copies of pages 25 to 30 only	30	
10/01/01/	452		(No New Entries)			
10/12/01	453E	No discrepancies		Reviewed copies of pages 8 to 28 only	28	
10/2/01	454	No discrepancies		Reviewed copies of pages 1 to 31 only	31	Closing
10/12/01	455	No discrepancies		Reviewed copies of pages 1 to 96 only	96	
10/2/01	456	No discrepancies		Reviewed copies of pages 1 to 37only	37	
10/2/01	457	No discrepancies		Reviewed copies of pages 1 to 7only	7	
10/12/01	458	No discrepancies		Reviewed copies of pages 1 to 23 only	23	
10/12/01	459E		(No New Entries)			
10/12/01	460		Yes	Reviewed copies of pages 1 to 8 only	8	Missing initial statement
10/12/01	461	No discrepancies		Reviewed copies of pages 1 to 93 only	93	
10/12/01	462E	No discrepancies		Reviewed copies of pages 1 to 9 only	9	
10/2/01	463	No discrepancies		Reviewed copies of pages 1 to 102 only	102	
10/16/01	464	No discrepancies		Reviewed copies of pages 1 to 131 only	131	
10/16/01	465	No discrepancies		Reviewed copies of pages 1 to 81 only	81	
10/2/01	466	No discrepancies		Reviewed copies of pages 1 to 220 only	220	
10/16/01	467	No discrepancies		Reviewed copies of pages 1 to 37only	37	
10/12/01	468		(No New Entries)			
10/12/01	469E	No discrepancies		Reviewed copies of pages 1 to 8 only	8	With supporting documents
10/01/01/	470E		(No New Entries)			
10/2/01	471	No discrepancies		Reviewed copies of pages 1 to 7only	7	
12/12/01	472E		(No New Entries)			
10/01/01/	473		(No New Entries)			
10/12/01	474		(No New Entries)			
10/12/01	475	No discrepancies		Reviewed copies of pages 1 to 30 only	30	
10/16/01	476		(No New Entries)			New issued 9/5/01
10/2/01	477		Yes	Reviewed copies of pages 1 to 34 only	34	Missing initial statement
10/16/01	478E	No discrepancies		Reviewed copies of pages 1 to 17 only	17	

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