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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20-01402-159

REPORT NO: 2001-03

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SURVEILLANCE SCOPE: Quality Assurance review of Scientific Notebook Copies

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

STARTING DATE: 3/21/2001

ENDING DATE: 5/10/2001

QA REPRESENTATIVE: Thomas A. Mayces *for*

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: CNWRA Staff

SATISFACTORY FINDINGS: A review of e-mails and hard copies concerning 166 active CNWRA scientific notebooks was performed to ensure that Quality Assurance has a hard copy of active scientific notebook information added since the September, 2000 request 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 to the QA Records Room. A summary of the results of the review is as follows:

63 CNWRA scientific notebooks had no new entries since the September review.

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

4 Electronic notebook copies failed to have all the required information and were returned for corrections to be in agreement with the requirements of QAP-001.

All remaining notebook copies had no discrepancies.

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

UNSATISFACTORY FINDINGS: CNWRA QA is still in process of requesting corrected copies of four scientific notebooks (59, 115E, 245, & 418) at this time. A nonconformance report is not required at this time since the notebook copies have been returned and are in process of being corrected.

NONCONFORMANCE REPORT NO: None.

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

RECOMMENDATIONS/ACTIONS: CNWRA QA should notify the appropriate personnel to obtain corrected copies of the missing scientific notebooks and review them for compliance with the requirements of QAP-001.

APPROVED: *Bruno Malado*

CNWRA DIRECTOR OF
QUALITY ASSURANCE

DATE: 5/10/2001

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 March 2001

Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	What was checked this period	Comments
4/19/01	9		(No New Entries)		
4/4/01	037-2		(No New Entries)		
4/23/01	59		Yes	(Reviewed copies of pages 1 to 25 only)	(To be closed)
3/21/01	88E	(No discrepancies)		(Reviewed copies of pages 347 to 369 only)	Last review ended at page 326
4/6/01	99		(No New Entries)		
4/19/01	115E			(Reviewed copies of Section 1 pages 1 to 11 only)	Header missing SN #
4/19/01	115E			(Reviewed copies of Section 2 pages 1 to 23 only)	Header missing SN #
4/4/01	121		(No New Entries)		
4/4/01	133		(No New Entries)		
4/4/01	141		(No New Entries)		
4/10/01	149	(No discrepancies)		(Reviewed copies of pages 187 to 203 only)	
3/21/01	163E		(No New Entries)		
4/10/01	170E-1e		(No New Entries)		
4/10/01	170E-2e	(No discrepancies)		(Reviewed copies of pages 205 to 233 only)	
4/10/01	170E-3e	(No discrepancies)		(Reviewed copies of pages 3 to 6 only)	
4/10/01	170E-4e	(No discrepancies)		(Reviewed copies of pages 3 to 7 only)	
4/10/01	170E-5e	(No discrepancies)		(Reviewed copies of pages 3 to 5 only)	
4/10/01	170E-6e	(No discrepancies)		(Reviewed copies of pages 8 to 14 only)	
4/10/01	170E-7e	(No discrepancies)		(Reviewed copy of page 1 only)	
4/10/01	170E-8e		(No New Entries)		
4/10/01	170E-9e	(No discrepancies)		(Reviewed copies of pages 95 to 121 only)	
4/10/01	170E-10e	(No discrepancies)		(Reviewed copies of pages 242 to 254 only)	
4/10/01	170E-11e		(No New Entries)		
4/10/01	170E-12e		(No New Entries)		
4/10/01	170E-13e	(No discrepancies)		(Reviewed copies of pages 2 to 5 only)	
4/10/01	170E-14e	(No discrepancies)		(Reviewed copies of pages 49 to 55 only)	
3/21/01	172	Corrected	Yes	(Reviewed copies of pages 1 to 199 only)	
4/4/01	175		(No New Entries)		
4/12/01	181		(No New Entries)		
3/21/01	185E		(No New Entries)		
4/12/01	189	(No discrepancies)		(Reviewed copies of pages 271 to 277 only)	
4/4/01	209	(No discrepancies)		(Reviewed copies of pages 148 to 176 only)	
3/21/01	212		(No New Entries)		
4/19/01	214E		(No New Entries)		
4/10/01	220	Corrected	Yes	(Reviewed copies of pages 1 to 304 only)	
4/6/01	224		(No New Entries)		
4/4/01	227		(No New Entries)		
4/4/01	240		(No New Entries)		

Scientific Notebook Copy Review for March 2001

Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	What was checked this period			Comments
4/19/01	245		Yes	(Reviewed copies of pages 56 to 211 only)			
4/4/01	255		(No New Entries)				
4/23/01	261	(No discrepancies)		(Reviewed copies of pages 83 to 96 only)			
4/4/01	262		(No New Entries)				
4/10/01	269		(No New Entries)				
4/6/01	273	(No discrepancies)		(Reviewed copies of pages 86 to 89 only)			
4/12/01	275		(No New Entries)				Page 101 last copied page
4/4/01	276		(No New Entries)				
3/21/01	278		(No New Entries)				
4/10/01	279	Corrected	Yes	(Reviewed copies of pages 208 to 213 only)			
4/4/01	280		(No New Entries)				
4/10/01	281		(No New Entries)				
4/10/01	282	(No discrepancies)		(Reviewed copies of Vol.8 pages 1 to 9 only)			
4/12/01	286		(No New Entries)				Page 36 last copied page
4/4/01	287		(No New Entries)				
4/10/01	288	(No discrepancies)		(Reviewed copies of pages 178 to 180 only)			
4/19/01	290	(No discrepancies)		(Reviewed copies of pages 103 to 109 only)			
4/12/01	292	Corrected	Yes	No ending statement from EM			Closed
4/6/01	296	(No discrepancies)		(Reviewed copies of pages 67 to 88 only)			
4/12/01	297		(No New Entries)				Page 11 last copied page
4/4/01	298	(No discrepancies)		(Reviewed copies of pages 55 to 70 only)			
4/4/01	300		(No New Entries)				
4/10/01	303	(No discrepancies)		(Reviewed copies of pages 19 to 21 only)			
4/10/01	304	(No discrepancies)		(Reviewed copies of pages 169 to 174 only)			
4/4/01	308		(No New Entries)				
3/21/01	309	(No discrepancies)		(Reviewed copies of pages 96 to 189 only)			
4/19/01	312	(No discrepancies)		(Reviewed copies of pages 71 to 158 only)			
4/12/01	313		(No New Entries)				
4/23/01	314	Corrected	Yes	(Reviewed copies of pages 80 to 151 only)			
4/10/01	318E	(No discrepancies)		(Reviewed copies of Vol.4 pages 1 to 13 only)			
4/4/01	320	(No discrepancies)		(Reviewed copies of pages 131 to 153 only)			
4/12/01	321	(No discrepancies)		Reviewed page 97 only			
4/19/01	322		(No New Entries)				
4/6/01	325	(No discrepancies)		(Reviewed copies of pages 106 to 131 only)			
4/4/01	328	(No discrepancies)		(Reviewed copies of pages 78 to 83 only)			
4/19/01	330	Corrected	Yes	(Reviewed copies of pages 49 to 54 only)			
4/4/01	331		(No New Entries)				

Scientific Notebook Copy Review for March 2001

Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	What was checked this period			Comments
4/4/01	333		(No New Entries)				
4/23/01	334E	(No discrepancies)		(Reviewed copies of Vols. 1-3 Bound Pages)			
4/10/01	335E	(No discrepancies)		(Reviewed copies of Vol. 2 pages 1 to 6 only)			
4/4/01	336		(No New Entries)				
4/4/01	337		(No New Entries)				
4/12/01	338		(No New Entries)				Page 33 last page copied
4/12/01	340		(No New Entries)				Page 22 last page copied
4/6/01	348		(No New Entries)				
4/6/01	353		(No New Entries)				
4/10/01	354E		(No New Entries)				
4/10/01	355		(No New Entries)				
4/10/01	358		(No New Entries)				
3/21/01	359E	(No discrepancies)		(Reviewed copies of pages 1 to 14 only)			
4/12/01	360	(No discrepancies)		(Reviewed copies of pages 69 to 72 only)			
4/6/01	362	(No discrepancies)		(Reviewed copies of pages 128 to 151 only)			
4/6/01	363	(No discrepancies)		(Reviewed copies of pages 43 to 59 only)			
4/19/01	364E		(No New Entries)				
4/4/01	366	(No discrepancies)		(Reviewed copies of pages 132 to 166 only)			
4/4/01	367		(No New Entries)				
4/4/01	368	(No discrepancies)		(Reviewed copies of pages 41 to 51 only)			
4/4/01	369		(No New Entries)				
4/12/01	373E	(No discrepancies)		(Reviewed copies of pages 1 to 11 only)			Partial electronic & manual
4/4/01	374		(No New Entries)				
4/19/01	375	(No discrepancies)		(Reviewed copies of pages 69 to 161 only)			
4/19/01	376	(No discrepancies)		(Reviewed copies of pages 11 to 12 only)			
4/10/01	377	(No discrepancies)		(Reviewed copies of pages 53 to 71 only)			
4/10/01	378		(No New Entries)				
4/6/01	382	(No discrepancies)		(Reviewed copies of pages 46 to 120 only)			
4/10/01	383	(No discrepancies)		(Reviewed copies of pages 1 to 23 only)			
4/6/01	384	(No discrepancies)		(Reviewed copies of pages 61 to 69 only)			
3/21/01	385	(No discrepancies)		(Reviewed copies of pages 1 to 199 only)			
4/4/01	386		(No New Entries)				
4/19/01	387		(No New Entries)				
4/4/01	390		(No New Entries)				
3/21/01	391	(No discrepancies)		(Reviewed copies of pages 80 to 88 only)			
4/10/01	392		(No New Entries)				
4/4/01	393		(No New Entries)				

Scientific Notebook Copy Review for March 2001

Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	What was checked this period			Comments
3/21/01	394	(No discrepancies)		(Reviewed copies of pages 41 to 81 only)			
4/12/01	395	(No discrepancies)		(Reviewed copies of pages 1 to 95 only)			
4/10/01	396E	(No discrepancies)		(Reviewed copies of pages i to 23 only)			
3/21/01	398	(No discrepancies)		(Reviewed copies of pages 35 to 40 only)			
4/10/01	397	(No discrepancies)		(Reviewed copy of page 10 only)			
	398	(No discrepancies)					
4/12/01	399	(No discrepancies)		(Reviewed copies of pages 40 to 53 only)			
4/4/01	400	(No discrepancies)		(Reviewed copy of page 23)			
4/4/01	401	(No discrepancies)		(Reviewed copies of pages 1 to 12 only)			
4/4/01	403		(No New Entries)	(Reviewed copies of pages 78 to 81 only)			
4/6/01	404		(No New Entries)				
3/21/01	405E	(No discrepancies)		(Reviewed copies of pages 10 to 13 only)			
4/19/01	406		(No New Entries)				
4/4/01	407		(No New Entries)				Page 59 last page copied
3/21/01	408	(No discrepancies)		(Reviewed copies of pages 79 to 90 only)			
3/21/01	409		(No New Entries)				
3/21/01	410		(No New Entries)				
4/19/01	411	Corrected	Yes	(Reviewed copies of pages 1 to 113 only)			
4/12/01	413	(No discrepancies)		(Reviewed copies of pages 1 to 133 only)			
3/21/01	415	(No discrepancies)		(Reviewed copies of pages 46 to 58 only)			
4/23/01	416E	(No discrepancies)		(Reviewed Multiple Sections & attachments Bound)			Section 4 was not included
3/21/01	417	Corrected	Yes	(Reviewed copies of pages 2 to 26 only)			
4/12/01	418E			(Reviewed copies of pages 1 to 24 only)			SN # missing in header info
4/19/01	419	(No discrepancies)		(Reviewed copies of pages 5 to 40 only)			
4/12/01	420	Corrected	Yes	(Reviewed copies of pages 18 to 53 only)			
4/4/01	421	(No discrepancies)		(Reviewed copies of pages 1 to 24 only)			
4/12/01	422	(No discrepancies)		(Reviewed copies of pages 1 to 52 only)			
4/12/01	423	(No discrepancies)		(Reviewed copies of pages 10 to 155 only)			
4/12/01	424	(No discrepancies)		(Reviewed copies of pages 21 to 56 only)			
4/6/01	425	(No discrepancies)		(Reviewed copies of pages 14 to 64 only)			
4/10/01	426E	(No discrepancies)		(Reviewed copies of pages 41 to 45 only)			
3/21/01	427	(No discrepancies)		(Reviewed copies of pages 1 to 199 only)			
4/10/01	428	Corrected	Yes	(Reviewed copies of pages 1 to 33 only)			
4/12/01	429	(No discrepancies)		(Reviewed copies of pages 1 to 18 only)			
4/12/01	430	(No discrepancies)		(Reviewed copies of pages 1 to 68 only)			
4/6/01	431	(No discrepancies)		(Reviewed copies of pages 1 to 15 only)			
4/19/01	432	(No discrepancies)		(Reviewed copies of Vol. I pages 1 to 18 only)			

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Scientific Notebook Copy Review for March 2001

Review Date	Notebook Number	Results	X-Out Missing (Initials/Date)	What was checked this period			Comments
4/19/01	432	(No discrepancies)		(Reviewed copies of Vol. II pages 1 to 17 only)			
4/6/01	433		(No New Entries)				
4/10/01	434	(No discrepancies)		(Reviewed copies of pages 1 to 17 only)			Name not completely copied
4/19/01	435	(No discrepancies)		(Reviewed copies of pages 1 to 14 only)			
4/12/01	436	Corrected	Yes	(Reviewed copies of pages 1 to 77 only)			
4/10/01	437	Corrected	Yes	(Reviewed copies of pages 1 to 26 only)			
4/6/01	438	(No discrepancies)		(Reviewed copies of pages 1 to 3 only)			
4/10/01	439	Corrected	Yes	(Reviewed copies of pages 1 to 15 only)			
4/10/01	440						Safe guards project will not be copied (header/footer info)
4/6/01	441	Corrected		(Reviewed copies of pages 1 to 94 only)			Page numbers missing
4/10/01	443	Corrected		(Reviewed copies of pages 1 to 21 only)			
4/4/01	444		(No New Entries)				
4/6/01	445	(No discrepancies)		(Reviewed copies of pages 1 to 10 only)			
4/6/01	446	Corrected	Yes				Checked by B. Mabrito
4/6/01	447	(No discrepancies)		(Reviewed copies of pages 1 to 9 only)			
4/4/01	453E	(No discrepancies)		(Reviewed copies of pages 1 to 9 only)			
4/23/01	455	Corrected	Yes	(Reviewed copies of pages 1 to 50 only)			