



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-5702-154

REPORT NO.: 94-12

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**SURVEILLANCE SCOPE:** Scientific Notebooks were evaluated for compliance with QAP-001, Revision 2 in response to Corrective Action Request (CAR) 94-02. Due to the close relationship between QAP-001 and QAP-014, compliance to QAP-014, Revision 0 was also evaluated. The requirements of both QAP-001 and QAP-014 were reviewed with appropriate personnel during this evaluation.

## REFERENCE DOCUMENTS:

QAP-001, Revision 2, "Scientific Notebook Control"  
QAP-014, Revision 0, "Documentation and Verification of Routine Calculations"  
Corrective Action Request 94-02

STARTING DATE: November 4, 1994

ENDING DATE: December 16, 1994

QA REPRESENTATIVE: R. W. Folck, SwRI Institute QA *Rw Folck*

## PERSONS CONDUCTING TEST/EXAM/ACTIVITY:

H. Manaktala, R. Green, K. Meyer, E. Percy, N. Sridhar, R. Hofmann, P. Lichtner, R. Janetzke, P. Laplante, B. Hill, C. Connor, D. Dunn, Y. Pan, B. Henderson, R. Bagtzoglou, A. Nedungadi, G. Wittmeyer, S. Mohanty, S. Hsiung, A. Pickens, S. Svedeman.

## SATISFACTORY FINDINGS:

A total of ninety-eight (98) scientific notebooks were identified for review. Results of the review is as follows:

- Seventy-seven (77) scientific notebooks were reviewed, corrected as appropriate and now comply with the applicable requirements of QAP-001 and QAP-014.
- Fifteen (15) scientific notebooks were reviewed and found to comply with the applicable requirements of QAP-001 and QAP-014 or, were noted as being empty.
- Four (4) scientific notebooks could not be located and have been dispositioned as lost. The data contained in these notebooks was not used in any CNWRA products. See attachments 2 - 5.
- Two (2) scientific notebooks were removed from controlled status.

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO.: N/A, Refer to CAR 94-02

ATTACHMENTS: #1 CNWRA Notebook Review Summary  
#2 - #5 PI Disposition of Lost Notebooks

## RECOMMENDATIONS/ACTIONS:

- Continue periodic verification activities.
- Develop plan for the archival of photographs and data sheets referenced in scientific notebooks.
- Close CAR 94-02

APPROVED: *[Signature]*  
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: *12/16/94*

## DISTRIBUTION:

ORIGINAL - CENTER QA DIRECTOR  
ORIGINATOR  
PRINCIPAL INVESTIGATORS: N/A  
ELEMENT MANAGERS: P. Nair, A. Chowdhury, L. McKague, R. Baca, P. Mackin  
W. Patrick, B. Sagar (T.D.), A. Cortinas

**CNWRA Notebook Review Summary**  
**November - December, 1994**  
**SR #94-12, Attachment #1**  
**Ref: CAR 94-02**  
**Update: 12/16/94**

Notebook No.	Notebook Owner/ User(s)	Date Reviewed	Comment	Date Resolved
048	Aaron DeWispelare	6/23/94	Yes	9/09/94
059	Renner Hofmann	6/15/94	Yes	12/01/94
022	Bill Murphy	6/17/94	Yes	7/12/94
037	"	6/17/94	No	N/A
094	"	6/17/94	Yes	7/12/94
049	"	7/12/94	Yes	7/12/94
095(Elec) 102	Peter Lichtner "	6/23/94 LOST	Yes NOT	12/15/94 USED
107	Hengameh Karimi	6/22/94	Empty	N/A
108	"	6/22/94	Empty	N/A
105	Goodluck Ofoegbu	6/21/94	Empty	N/A
089	Miklas/Janetzke/ Dertatevasion	6/22/94	Yes	12/01/94
096		6/22/94	Yes	12/09/94
099	Kathy Spivey	6/22/94	No	N/A
091	Patrick LaPlante	6/23/94	Yes	12/14/94
042	J. Prikryl	8/5/94	Yes	8/5/94
058	Prikryl/Bertetti	7/7/94	Yes	11/02/94
061	Pabalan/Bertetti	7/7/94	Yes	10/14/94
038	"	7/7/94	Yes	10/14/94
081	"	7/7/94	Yes	11/02/94
020	"	7/7/94	Yes	11/02/94
026	"	7/8/94	Yes	10/14/94
37-1	"	7/8/94	Yes	10/14/94
082	"	8/12/94	No	NA
060	"	8/12/94	Yes	10/14/94
015	Paul Bertetti	7/8/94	Yes	10/14/94
031	Leslie/Bertetti	7/8/94	Yes	11/02/94

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Notebook No.	Notebook Owner/ User(s)	Date Reviewed	Comment	Date Resolved
035	Leslie/Bertetti	8/15/94	Yes	10/14/94
075	Pearcy/Bertetti	7/8/94	Yes	11/28/94
024	"	7/8/94	Yes	11/02/94
041	"	7/7/94	Yes	10/14/94
021	E. Percy	8/15/94	Yes	10/14/94
036	"	8/15/94	Yes	11/02/94
044	Pearcy/Nguyen	8/19/94	Yes	12/08/94
084	Pearcy/Pickette	8/16/94	Yes	11/28/94
050	Pearcy/Pan	8/16/94	Yes	10/14/94
046	D. Turner	7/12/94	Yes	8/16/94
057	"	7/12/94	Yes	9/02/94
056	B. Hill	9/2/94	Yes	12/12/94
088	"	9/2/94	Yes	12/12/94
090	Hill/Luhr	9/29/94	Yes	12/16/94
097	B. Hill	LOST	Not	USED
072	C. Connor	9/2/94	Empty	N/A
073	"	9/2/94	Yes	12/06/94
079	"	LOST	NOT	USED
115(Elec.)	C. Connor	9/2/94	Yes	12/12/94
100	D. Ferrill	7/29/94	Yes	7/29/94
101	"	7/29/94	No	N/A
027	Cragnolino/Dunn	7/27/94	Yes	11/28/94
032	"	7/27/94	Yes	12/01/94
029	H. Manaktala	9/9/94	Yes	9/9/94
039	"	9/9/94	Empty	N/A
040	"	10/13/94	Yes	12/09/94
103	Manaktala/Dunn	8/5/94	Yes	12/07/94
025	Sridhar/Dunn	7/27/94	Yes	11/28/94
045	"	7/27/94	Yes	11/28/94
009	"	7/27/94	Yes	12/01/94
085	"	8/5/94	Yes	11/28/94
086	"	8/5/94	Yes	12/01/94
109	Sridhar/Pan	10/24/94	Yes	12/12/94

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Notebook No.	Notebook Owner/ User(s)	Date Reviewed	Comment	Date Resolved
112	Henderson/Stirewolt	9/9/94	Yes	12/02/94
113	Henderson/Ferrill	9/9/94	Yes	12/02/94
114	"	9/9/94	Yes	12/02/94
034	Ferrill	8/5/94	Empty	N/A
051	Ferrill/Morris	12/2/94	Yes	12/02/94
054	"	8/5/94	Yes	12/02/94
033	"	9/1/94	Yes	12/02/94
065	R. Bagtzoglou	9/16/94	Yes	12/09/94
066	"	LOST	NOT	USED
067	"	9/16/94	Yes	12/09/94
068	"	9/29/94	Yes	12/13/94
069	"	9/16/94	Yes	12/09/94
093	Baca/Nedungadi	9/23/94	Yes	12/07/94
076	G. Wittmeyer	9/9/94	Yes	12/09/94
077	"	9/9/94	Yes	12/09/94
074	Mohanty/Pickens(04)	9/16/94	Yes	12/16/94
106	Mohanty	9/29/94	Yes	12/16/94
070	B. Sagar	Remove	Control	N/A
071	"	Remove	Control	N/A
092	Manteufel/Castellaw	8/10/94	No	NA
063	S. Hsiung/ Pickens(04)/Kana(04)	6/21/94	Yes	11/04/94
017	S. Hsiung	9/22/94	No	N/A
018	"	9/22/94	No	N/A
064	Hsiung/Nagy(06)	9/22/94	Yes	9/22/94
111	R. Brient	7/29/94	No	N/A
078	Manteufel/Green	8/12/94	Yes	10/28/94
083	"	8/12/94	Yes	12/07/94
087	"	8/12/94	Yes	10/28/94
028	Green/Svedeman	8/12/94	Yes	12/13/94
052	"	8/10/94	Yes	12/13/94
003	"	8/12/94	Yes	12/13/94

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Notebook No.	Notebook Owner/ User(s)	Date Reviewed	Comment	Date Resolved
023	R. Green	8/12/94	Yes	11/02/94
047	"	8/12/94	Yes	11/28/94
062	"	8/12/94	Yes	12/07/94
098	"	8/12/94	Yes	12/12/94
104	Green/Rice	8/12/94	Yes	11/28/94
110	R. Green	8/12/94	Yes	12/16/94
116	R. Green	8/12/94	Empty	N/A

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# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

**DATE:** October 5, 1994  
**TO:** Peter Lichtner  
**FROM:** Alice Cortinas  
**SUBJECT:** Scientific Notebook

Your scientific notebook #102 has apparently been misplaced and cannot be located. I have verified that you were indeed issued scientific notebook #102. If you cannot locate this notebook today, please send me an e-mail note for the record and I will make a note in the Scientific Notebook Log that it was lost and not used. Thankyou for your cooperation.

cc: P. Naik  
B. Mattheis

*Alice:*

*My recollection is that the notebook in question was too small and so I traded it in for #095 which I have — but which is <sup>being</sup> replaced by a computerized notebook. I do not have #102 in my possession.*

*Peter*

Alice Cortinas 7/9

# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

CNWRA SR# 94-12  
Attachment #3

**DATE:** October 5, 1994  
**TO:** Chuck Connor  
**FROM:** Alice Cortinas  
**SUBJECT:** Scientific Notebook

Your scientific notebook #79 & #90 has apparently been misplaced and cannot be located. I have verified that you were indeed issued scientific notebook #79 & #90. If you cannot locate this notebook today, please send me an e-mail note for the record and I will make a note in the Scientific Notebook Log that it was lost and not used. Thankyou for your cooperation.

**cc:** L. McKague  
B. Mabrito

As far as I can tell  
I have been issued notebooks  
72, 73, and 115. I have checked  
w/ students just in case and they  
were not issued 79 and 90 either.  
Certainly, no data were entered in #79 or #90 by me.  
Chuck Connor

Notebook #90 assigned  
to Lohr @  
the Smithsonian.  
R. Zolch 12/16/94

[26] From: A. S. K. Loglou at CWRU 10/4/94 6:52PM (590 bytes: 1 ln) 2, 2/10/94  
To: Alice Cortines at CWRU-OS2  
cc: Robert Baca at CWRU-OS2, Bruce Mabrito at CWRU-OS2  
Subject: SCIENTIFIC NOTEBOOK #66

----- Message Contents -----

Text item 1: Untitled

Alice:

As I have (at least twice in the past) told Randy (the QA auditor), scientific notebook #66 has not been misplaced. Vivek Kapoor was assigned to it and apparently took it with him to California.

As far as I know he had not used it while he was at CWRU. Therefore, for all practical purposes you can consider it as "lost and not used."

Ross



## MEMORANDUM

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From: Brittain Hill

December 16, 1994

To: QA

Subject: Scientific Notebook #097

Scientific notebook #097 ostensibly was issued to me in November, 1993, for project 20-5704-142. I have no recollection of this notebook, and believe that a simultaneous request by Chuck Connor for a notebook for work at the Smithsonian Institution (#090) has resulted in this confusion. Notebook 097 has not been used in any capacity for work at the Center or the Smithsonian, and should be considered "lost" and removed from the list of controlled notebooks.