

# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## NONCONFORMANCE REPORT

Project No. 20.06002.01.041

NCR No. 2003-09

### PART 1: DESCRIPTION OF NONCONFORMANCE

During preparation for the 2003 CNWRA audit activities it was discovered that the Quality Requirements Application Matrix (GRAM) form for the Baltimore Tunnel Fire Project Report was missing from the CNWRA GRAM notebook in the QA Records Room. Further investigation showed that a completed GRAM for the subject project had been completed (it was stated on a comment and resolution form for the initial proposal), but was not available for the audit team members when requested.

Initiated by: Bruce Mabrito

Date: 5/5/2003

Action Required by: Bruce Mabrito

### PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Response Due Date: 5/19/2003

Response Person: Bruce Mabrito

Disposition:

SEE ATTACHED PAGE

Basis of Disposition:

SEE ATTACHED PAGE

Action to Correct Nonconformance:

SEE ATTACHED PAGE

Target date for completion: 5/19/2003

Proposed by:

BRUCE MABRITO

Date: 5/7/2003

### PART 3: APPROVAL

Element Manager:

M. R. Ehnstrom for BEM Date: 5/9/03

Director of QA:

Bruce Mabrito Date: 5/13/2003

Comments/Instructions:

### PART 4: CLOSE OUT

Comments:

New GRAM initiated May 1, 2003, no additional actions necessary.

Verified by:

M. R. Ehnstrom Date: 5/20/03

Distribution:

Original-CNWRA QA DIRECTOR/QA Records  
ORIGINATOR  
PRINCIPAL INVESTIGATOR(s)  
ELEMENT MANAGERS  
B. Sagar, P. Mackin, M. Ehnstrom

## **Nonconformance Report 2003-09**

### **Disposition:**

Accept as is.

### **Basis of Disposition:**

Requirements that were contained in the original QRAM (which could not be located) had been satisfied based on a review on of the two QA report packages. The "Analysis of Rail Car Components Exposed to a Tunnel Fire Environment" report was first issued in November 2002. The documentation package for this report was reviewed in connection with this nonconformance report. The review found that the report had gone through the required review process described in QAP-002, Review of CNWRA Documents, Reports, and Papers. The Professional Personnel Qualification file for the only author working outside the CNWRA was reviewed and the individual had been fully qualified to work on CNWRA projects.

### **Action to Correct Nonconformance:**

Initiate a new Quality Requirements Application Matrix for remaining project activities ( see attached QRAM). Since the review of both the original issue of the report and the revision to the report found that quality requirements had been satisfied without the original QRAM, no further action is required.



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## QUALITY REQUIREMENTS APPLICATION MATRIX

OPS Plan or Proposal Title and Client Name: Analysis of Railroad Cars Exposed to Baltimore Tunnel Fire

Revision & Change: Revision 5, Change 4 Date: May 5, 2003

Project/Proposal No: (if available) 20.06003.04.041 Element Manager: Asad Chowdhury

Principal Investigator: Asad Chowdhury

Task/Subtask Description: See CNWRA FY2003 Spent Fuel Project Office (SFPO) Operations Plan. To conduct analyses of railroad car materials and coating exposed to Baltimore Tunnel Fire environment to estimate the temperature to which they were exposed to.

### 1. Project/Task Specific Quality Requirements:

AP-005	Obtaining Subcontract Services	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
AP-006	Obtaining Consultant Services	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-001	Scientific Notebook Control - Determined by EM or Project Manager	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-016	Procurement - will there be any quality-affecting procurement to support this work?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
QAP-017	Drawing Control - are there going to be any drawings?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Additional QAPs required:

QAP-002	Review of CNWRA Documents, Reports, Papers, and Presentation Materials - All	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-004	Surveillance Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-005	Quality Indoctrination	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-007	Professional Personnel Qualification	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-008	Document Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-009	Nonconformance Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-010	Corrective Action	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-012	QA Records Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QAP-013	Quality Planning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### 2. Quality Requirements Applicable to specific Activities:

#### 2.1: Laboratory and Field Investigations:

TOP-012	Identification, Control, Storage, Handling, Shipping, and Archiving of Samples	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CQAM Ch.12	Control of Measuring and Test Equipment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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## QUALITY REQUIREMENTS APPLICATION MATRIX

### 2.2 Development and Use of Scientific and Engineering Software:

Will scientific and engineering software be used or evaluated?

☐ Yes ☒ No

TOP-018 Development and Control of Scientific and Engineering Software

☐ Yes ☒ No

List of software subject to these requirements and approximate schedule for implementation:

New Chart of QRAM

Software Name:	Proposed Surveillance Dates	Anticipated Validation Dates
<i>None</i>		

If non-controlled scientific and engineering software are used, a copy of the software itself and input/output files for specific applications in a deliverable will be maintained as a QA Record; if controlled software are used in this task, all input files and appropriate sample output files will be provided to the QA Records folder and retained as a QA Record.

Additional Comments:

### 2.3 Data and Data Analyses:

For data that are expected to be used directly in regulatory reviews safety-related or client directed applications:

QAP-015 Qualification of Existing Data

☐ Yes ☒ No

QAP-014 Documentation and Verification of Scientific & Engineering Calculations

☒ Yes ☐ No


List data subject to qualification and approximate schedule for implementation:



List data exempted from qualification in accordance with QAP-015, 5.3:

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## QUALITY REQUIREMENTS APPLICATION MATRIX

**3.0 Approval:**

 4-29-2003  
 Element Manager Date

 5/1/2003  5/1/2003  
 Technical Director Date QA Director Date

**4.0 Approval: Plan/Proposal Revision \_\_\_\_\_ Change \_\_\_\_\_ Date \_\_\_\_\_**

\_\_\_\_\_  
 Element Manager Date

\_\_\_\_\_  
 Technical Director Date QA Director Date

**5.0 Approval: Plan/Proposal Revision \_\_\_\_\_ Change \_\_\_\_\_ Date \_\_\_\_\_**

\_\_\_\_\_  
 Element Manager Date

\_\_\_\_\_  
 Technical Director Date QA Director Date

**6.0 Approval: Plan/Proposal Revision \_\_\_\_\_ Change \_\_\_\_\_ Date \_\_\_\_\_**

\_\_\_\_\_  
 Element Manager Date

\_\_\_\_\_  
 Technical Director Date QA Director Date