



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
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QA: L

OCT 05 1994

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for Yucca Mountain
Site Characterization Project
TRW Environmental Safety Systems, Inc.
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ISSUANCE OF SURVEILLANCE RECORD YMP-SR-94-067 RESULTING FROM
YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) SURVEILLANCE OF
THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND
OPERATING CONTRACTOR (CRWMS M&O) (SCPB: N/A)

Enclosed is the record of Surveillance YMP-SR-94-067 conducted
by the YMQAD at the General Atomics facilities in San Diego,
California, September 19-22, 1994.

The purpose of the surveillance was to assess the adequacy and
implementation of the CRWMS M&O External Audit Process at
General Atomics for the U.S. Department of Energy Contract
DE-AC01-88ID 12698 Legal Weight Truck Cask Development Program.

This surveillance is considered completed and closed as of the
date of this letter. A response to this surveillance record and
any documented recommendations is not required.

If you have any questions, please contact either Robert B.
Constable at 794-7945 or Donald J. Harris at 794-7356.

Richard E. Spence, Acting Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-104

Enclosure:
Surveillance Record YMP-SR-94-067

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YMP-5

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OCT 05 1994

cc w/encl:

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OFFICE OF
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

¹ORGANIZATION/LOCATION:
TRW, Management & Operating
(M&O) Contractor, Las Vegas,
NV

²SUBJECT:
M&O Audit, 94-NSA-03 process at
GENERAL ATOMICS, San Diego, California

³DATE: 9/19-22/ 94

⁴SURVEILLANCE OBJECTIVE:

Verify M&O performance of the external audit process in accordance with the applicable requirements

⁵SURVEILLANCE SCOPE:

To assess the adequacy and implementation of the M&O External Audit
Process at General Atomics for the DOE Contract DE-ACO1-88ID12698 legal
weight Truck Cask Development Project

⁶SURVEILLANCE TEAM:
Team Leader:

Donald J. Harris

Additional Team Members:

Marlin Horseman

⁷PREPARED BY:

Donald J. Harris 9/14/94
Surveillance Team Leader Date

⁸CONCURRENCE:

N/A
QA Division Director Date

SURVEILLANCE RESULTS

⁹BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

See pages 2

¹⁰SURVEILLANCE CONCLUSIONS:

See page 3

¹¹COMPLETED BY:

Donald J. Harris 9/29/94
Surveillance Team Leader Date

¹²APPROVED BY:

Robert B. Gentile Jr. 10.4.94
QA Division Director Date

ENCLOSURE

**BLOCK 9 (continued) BASIS OF EVALUATION/DESCRIPTION OF
OBSERVATIONS**

The purpose of the surveillance was to observe the Civilian Radioactive Waste Management System (CRWMS) Management and Operating (M&O) Contractor's Audit 94-NSA-03 conducted at General Atomics facilities in San Diego, California from September 19, through 22, 1994.

The purpose of the audit was to evaluate the adequacy and effectiveness of implementing of the General Atomics Quality Assurance (QA) Program for the GA-4 and GA-9 Legal Weight Truck Cask Development Program, under the US Department of Energy (DOE) Contract Number DE-AC01-88ID 12698. The following program elements were identified in the scope of this audit: Organization, QA Program, Design Control, Procurement, Instructions, Procedures and Drawings, Document Control, Control of Purchased Items, Inspection and Control of Items, Special Processes, Inspection, Test Control, M&TE, Handling, Storage, and Shipping, Inspection, Test and Operating Status, Nonconformances, Corrective Action, Records, Audits, and Computer Software.

The following personnel participated in the audit:

Ronald Berlien, Audit Team Leader, M&O
P. J. Chomentowski, Auditor, M&O
D. M. Franks, Auditor, M&O
M. Horseman, Observer, Headquarters/QATSS
D. J. Harris, Observer, YMQAD/QATSS

The following observations are provided relative to the effectiveness of the Audit Process:

The audit was performed utilizing the Audit Plan developed in accordance with the M&O Quality Administrative Procedure (QAP) 18.2 and approved by the M&O QA Audit Manager. The Audit Team was designated by the QA Audit Manager as required and the Team members were determined to be independent of the activities being audited.

The Office of Civilian Radioactive Waste Management (OCRWM) surveillance Team determined that the M&O audit was effective in determining the adequacy and effectiveness of General Atomics QA program in San Diego, CA offices for the Legal Weight Truck Cask Development program as described in their Quality Assurance Program Document (QAPD) 3462, Issue I.

The M&O Audit Team Leader was well prepared and conducted the audit in a professional manner assuring that all aspects of the Audit Plan were thoroughly evaluated. The Audit Team members were observed utilizing prepared checklist and properly documenting evaluations and objective evidence. The Audit Team also evaluated the OCRWM Audit HQ-93-06 Corrective Action Request (CAR) HQ-93-029 and recommendations and the flowdown of Commitments in General Atomic's Nuclear Regulatory Commission (NRC)-approved Licensing Topical Report GA-LTR 11, Amendment 12, "General Atomics QA Program", to their implementing documents.

The OCRWM surveillance team reviewed the qualification and training records of the Audit Team members and determined that the auditors were properly trained and qualified prior to initiating the audit process and the surveillance team divided their time between the auditors, witnessing their interview techniques, the examination of objective evidence and their documenting the results of their evaluation on the audit checklists.

BLOCK 10 (continued) Surveillance Conclusions

The Audit Plan used by the M&O Audit Team thoroughly addressed all aspects of the audit including an evaluation of the adequacy of the implementing procedures, flowdown of requirements from General Atomics Topical Report, previous Corrective Actions and Recommendations. The audit checklists address the QA elements and implementing procedural requirements to the extent necessary to determine the effectiveness of program implementation. The evaluation did result in the determination that there was either limited or no activity in the following QA elements: Control of Items, Special Process, M&TE, Handling, Storage, and Shipping, and Computer Software.

The Office of Quality Assurance personnel performing the observation/surveillance concluded that the M&O Audit Team conducted a thorough and effective audit in accordance with applicable requirements which determined that General Atomic's company is implementing a very mature and effective QA program, for the Legal Weight Truck Cask Development Program under the US DOE Contract DE-AC01-88ID 12698.