

United States Government

Department of Energy

memorandum

WM PROJECT CONTROL
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DATE: JUN 23 1987

REPLY TO RW-24
ATTN OF:

'87 JUN 25 P3:39

SUBJECT: Report of Participation by Karl Sommer in SRPO Audit of HEDL,
Richland, Washington

TO:
Carl Newton, RW-24

Discussion:

Attached as required by section 6.2.4 of OGR QIP 18.1 is a report of my participation in the QA Audit conducted by SRPO of HEDL the week of June 15, 1987.

K.G. Sommer

Karl G. Sommer, RW-24

Attachment:

cc w/att: J. Reese, SRPO
T. Orlin, BMPD

WM Record File

106.4

WM Project *16*

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Report of OGR Participation in SRPO
QA Audit of HEDL
Richland, WA.

Auditing Organization: Salt Repository Project Office

Audited Organization: Westinghouse - Hanford Engineering
Development Laboratory

Dates of Audit: June 15 - 16, 1987

Audit Team Members: T. Orlin, BPMD/ONWI, Lead Auditor
M. Gildner, BMPD/ONWI, Auditor
D. Doman, BMPD/ONWI, Technical Observer
K. Sommer, DOE/HQ/OGR Auditor

Audit Scope: To verify implementation of HEDL's QA Plan and implementing procedures on activities pertaining to Robotics Applications, specifically: documentation concerning qualification of personnel, indoctrination and training records, and documentation pertaining to the design and design review activities.

Audit Basis Documents:

- o Geologic Repository Quality Assurance Manual.
- o WHC Testing Procedures in Support of Geologic Repositories.
- o SRPO QA Specification for HEDL Repository Remote Handling/Robotics Studies Activities dated September 11, 1986.

Summary of Audit:

The Audit Team was divided into two (2) teams, with audit attribute responsibilities as follows:

Team No. 1

Gildner
Doman

1. Organization
3. Design Control

Team No. 2

Orlin
Sommer

2. Quality Assurance
5. Document Control

4. Procedures &
Instructions

6. Inspection

8. Quality Records

7. Corrective Actions

9. Audits

The Audit Team Leader, Tom Orlin, conducted a very professional audit and was well acquainted with the QA requirements and requirements for the HEDL work activities.

Prior to the pre-audit meeting with HEDL personnel, the audit team members met on June 15, 1987, to discuss/review planned audit scope and audit activities.

The audit revealed several concerns during the conduct of the audit cycle. Each concern was reviewed during the daily briefing with HEDL personnel.

The ATL reviewed the Team's Joint Observation (1 Total) and comments (2 Total) during the final close-out meeting. Details as follows:

Observation:

- 1). Technical or Engineering draft documents for purposes of information, review or approval are being transmitted outside the Engineering Data Transmittal System (EDT). The draft comments are not formally dispositioned and retained in the records management system (RMS)

Comments:

1. The Quality Assurance record system is incomplete. SRPO will formally advise HEDL the type of additional documents to be included in the QA records system.
2. The name of the independent technical reviewer should be identified on the EDT record form.

Evaluation of Conduct of the Audit:

The Audit was well conducted and very professional. The Audit Team members were experienced and well trained to meet Program Audit requirements.

The detailed checklist was well developed and, in my opinion, contained adequate questions to verify specific HEDL program attributes to assess implementation of the SRPO approved HEDL QA Program.

Evaluation of Auditing-for-Effectiveness:

SRPO employed the A-F-E method during this audit --- the checklist was developed to determine both programmatic and product quality problems.

The technical observer, D. Dorman was both well trained in program needs and requirements, and well acquainted with the technical aspects of the robotics program.

Comments:

- 1). The Audit was conducted in accordance with a HEDL QA Plan approved by SRPO on December 4, 1986. This QA Plan does not include all QA requirements as denoted in DOE/HQ/OGR approved QA Plan released in August, 1986.
- 2). The HEDL revised QA Plan (HEDL-MG-197) and testing procedures (HEDL-MG-184, Vol. 1) were submitted to DOE/RL for transmittal to SRPO for review/approval during November, 1986. To date, HEDL do not know the status of the submittal for SRPO's review/approval. Review/Approval, in the writer's opinion, is not on a timely basis.
- 3). To date, HEDL's Robotics activities have not been assigned a quality level by SRPO. HEDL have state the revised quality plan is suitable for a level "I" activity.
- 4). It was unfortunate that HEDL Robotics Program Manager, R.E. Barker, was on vacation during the conduct of the audit, and thus was unavailable for audit participation activities.
- 5). SRPO should set-up and conduct a planned surveillance of specific HEDL activities.

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SUBJECT: Report of SRPO Audit of HEDL

FROM: K. G. Sommer, RW-24

TO: C. Newton, RW-24

PC CODE: KS85 (MARIE ADAMS' IBM)

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