



Department of Energy

Washington, DC 20585

MAR 03 1989

Mr. John J. Linehan, Director
Repository Licensing and Quality Assurance
Project Directorate
Division of High-Level Waste Management
Nuclear Materials Safety and Safeguards
Division
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Linehan:

As discussed at our meeting on January 25, 1989, the Department of Energy (DOE) has committed to forward to the Nuclear Regulatory Commission (NRC) the Quality Assurance Program Plans (QAPPs) for the Yucca Mountain Project's (YMP) participants. Enclosed for your information are the QAPPs for Holmes and Narver (H&N) and Lawrence Livermore National Laboratory (LLNL). In addition to the Quality Assurance plans, we have included a matrix for each QAPP showing the consistency with review requirements as governed by NNWSI/88-9, Revision 2.

In addition to the QAPPs, each participant organization is developing specific procedures for implementing the QA requirements of their program. Enclosed for your information are the most recent lists of procedures for H&N and LLNL. As you know, the identification and preparation of the procedures is a dynamic process which is continually being updated by the project participants. At your request, DOE will provide future updated lists of procedures and/or the procedures themselves.

The two QAPPs have been approved by the Yucca Mountain Project Office, and H&N and LLNL have been instructed to implement the requirements of their plans, effective immediately. Should you have any questions, please call me at 586-1462.

Sincerely,

Gordon J. Appel, Chief
Licensing Branch
Office of Systems Integration
and Regulations
Office of Civilian Radioactive
Waste Management

Enclosure

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PDR WASTE PDC
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GROUP	MILESTONE	REVISION NO.	PROC. NO.	H&N PROCEDURE
1	1	0	NNWSI-009	Stop Work Order
	1	0	NNWSI-012	Corrective Action
	1	0	NNWSI-031	Audits
	1	0	NNWSI-032	Qualification of Audit Personnel
	1	0	NNWSI-033	Surveillance Activities
2	1	0	NNWSI-037	Control of Quality Assurance Program Plan
	1	2	YMP-001	Generation & Control of Procedures
	1	1	YMP-002	Indoc. & Training
	1	2	YMP-004	Controlled Distribution of Design Documents
3	1	1	NNWSI-027	Document Filing System
	1	3	YMP-008	Records Management
4	1	1	NNWSI-007	Work Initiation
	1	0	NNWSI-015	Design Input Control
	1	0	NNWSI-038	QA Drawing & Specification Review
	1	0	YMP-003	Specification Preparation & Control
	1	1	YMP-005	Design Drawing Preparation & Control
	1	1	YMP-006	Design Analysis
	1	0	YMP-014	Design Verification
	1		NNWSI-	Peer Review
	1	0	YMP-018	Design Basis Document Preparation & Control
	1	1	NNWSI-029	Interface Control
5	2	0	YMP-091	Procurement
	2		NNWSI-	Control of Purchase Items and Services
	2	0	NNWSI-011	Nonconformance Control
	2		NNWSI-	Review and Approval Supplier QA Plans
6	3	-	---	Readiness Reviews
7	3	1	NNWSI-010	Control of Measuring & Test Equipment
	3	0	NNWSI-016	Survey Department Document Control &
	3	1	NNWSI-017	Survey Department Work Functions
8	3	1	NNWSI-019	General Testing Procedure for the
	3	0	YMP-045	Qualification of Inspection Personnel
	3	-	YMP-050	Inspection (Draft)
9	4	0	NNWSI-022	NDT Personnel Certification
				Material Testing Laboratory (MTL)
	4	0	NNWSI-028	Magnetic Particle Testing Procedure
	4	0	YMP-035	U.T. Flaw Detection
	4	0	NNWSI-	Annual Management Assessment
10	4	0	YMP-036	U.T. Testing
	4	0	NNWSI-026	Microfilming & Archival Storage Services
	4	0	YMP-025	Facility (MASSF)
				Microfilming & Archival Storage Services
				Facility (MASSF) at VBC

GROUP	MILESTONE	REVISION NO.	PROC. NO.	LLNL PROCEDURE
1	1	0	01.0	Organization
	1	0	02.0	Assurance
	1	0	02.02	Peer Review
	1	0	02.07	Stop Work Order
2	1	0	02.09	Indoctrination and Training
	1	0	02.10	Qualification of Personnel
3	1	0	02.08	Assigning Levels of GA
	1	0	03.01	Design Control
4	1	0	02.01	Preparation, Approval and Revision of Quality Procedures and Requirements
	1	0	05.0	Technical Implementing Procedures
5	1	0	15.0	Nonconforming Items, Procedural Nonconformances, and Conditions Adverse to Quality
	1	0	16.0	Corrective Action
	1	0	16.1	Processing of Externally Originated Corrective Action Documents
	1	0	18.0	Audits
	1	0	18.01	Surveillance
	1	0	18.02	Qualification of Audit Personnel
6	1	0	06.0	Document Control
	1	0	17.0	Quality Assurance Records
7	2	0	02.04	Technical Review
8	2	0	04.0	Procurement Control and Documentation
	2	0	07.0	Control of Purchased Items and Services
9	2	0	08.0	Identification and Control of Items, Samples and Data
	2	0	13.0	Handling, Storage and Shipping
10	3	0	02.06	Readiness Review
	3	0	03.0	Scientific Investigation control
11	3	0	12.0	Control of Measuring and Test Equipment
12	4	0	02.03	Management Assessments
	4	0	02.05	Acceptance of Data Not Generated Under Control of the YMF QAPP
	4	0	03.02	Software Quality Assurance
	4	0	03.03	Review of Technical Publications

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GROUP	MILESTONE	REVISION NO.	PROC. NO.	LLNL PROCEDURE
13	4	0	02.11	Requirements for Qualification of Inspection and NDE Personnel
	4	0	09.0	Control of Processes
	4	0	10.0	Inspection
	4	0	11.0	Test Control
	4	0	14.0	Inspection, Test and Operating Status

cc:

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J. Blaylock, YMPO
D. Bechtel, Clark County, NV
S. Bradhurst, Nye County, NV
M. Baughman, Lincoln County, NV