



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DATE: December 22, 1995

TO: Joseph Holonich, Chief
High-Level Waste and Uranium Recovery Projects Branch
Division of Waste Management
Office of Nuclear Materials Safety and Safeguards

FROM: William Belke, Sr. On-Site Licensing Representative for
Quality Assurance and Engineered Systems *W Belke*
Chad Glenn, Sr. On-Site Licensing Representative for
Natural Systems and Total Systems *Chad Glenn*

SUBJECT: U. S. NUCLEAR REGULATORY COMMISSION ON-SITE LICENSING
REPRESENTATIVES' REPORT ON YUCCA MOUNTAIN PROJECT FOR
NOVEMBER AND DECEMBER, 1995

INTRODUCTION

The principal purpose of the On-Site Representatives' (OR) reports is to alert NRC staff, managers and contractors to information of U. S. Department of Energy (DOE) programs for site characterization, repository design, performance assessment, and environmental studies that may be of use in fulfilling NRC's role during pre-licensing consultation. The principal focus of this and future OR reports will be on DOE's programs for the Exploratory Studies Facility (ESF), surface-based testing, performance assessment, data management systems and environmental studies. Relevant information includes new technical data, DOE's plans and schedules, and the status of activities to pursue site suitability and ESF development. In addition to communication of this information, any potential licensing concerns, or opinions raised in this report represent the views of the ORs and not that of NRC headquarters' staff.

QUALITY ASSURANCE (QA)

1. In the previous OR Report, it was reported that several meetings were scheduled with DOE and DOE Civilian Radioactive Waste Management and Operating Contractor (M&O) personnel, to gain a better understanding of how the Title 10 of the Code of Federal Regulations (10 CFR), Part 60, technical requirements are incorporated and flow down through the ESF technical requirements portion of the document hierarchy, to the applicable design drawings, specifications, and procedures. Six random 10 CFR technical requirements, were presented to design personnel for traceability of flow down. Since the ESF Design Requirements document (ESFDR) has been revised and is presently undergoing final review by DOE,

there are no final products from which to determine traceability under the revised ESFDR. This will be addressed in a future OR report. All of the 10 CFR technical requirements selected by the OR were able to be traced or accounted for in the top tier documents to the ESFDR.

A subsequent meeting was scheduled in early November to verify the flowdown of the selected 10 CFR requirements into the design analysis and design package. All of the applicable selected 10 CFR requirements were able to be traced to these documents. Based on this limited sample, it is concluded that these 10 CFR requirements flow down and are traceable to the lower tier design documents. As noted in previous OR reports and NRC Audit Observation reports, the design document hierarchy is a multi-tiered system and difficult to use for particular applications, especially for flowdown of requirements. The OR recommended DOE give consideration to consolidate certain of these documents and eliminate redundancy where possible. This would enhance in making the traceability process more user friendly and reduce the potential for errors. This limited verification exercise by the OR did not verify the technical adequacy of the translation of the requirements into the lower tier documents. It is suggested that when the NRC team performs Phase 3 of its in-field verification exercise, that the NRC technical specialists verify a representative sample of the adequacy of the translation of the 10 CFR technical requirements into the design analysis and design package.

The M&O performed its own internal surveillance of requirements flowdown during the week of November 13, 1995. Two potential deficiencies were noted. The first deficiency was that the ESFDR referred to an incorrect 10 CFR Part 60 requirement for locating the ramp portal above the maximum flood line. Therefore, traceability for flood protection requirements to the appropriate 10 CFR Part 60 requirements could not be established. The second potential deficiency was that permanent rockbolt and temporary channel interaction analysis did not address ESFDR design criteria for the areas of natural phenomena and environmental conditions anticipated at the geologic repository area that will not interfere with the necessary safety conditions. Also cited was that the analysis did not address the requirement to have the procedures address considerations for inspection, maintenance, monitoring for post installation welding on ground support components.

Two DOE representatives and an independent consultant also performed a team review of traceability and requirements flowdown during the week of November 13, 1995. This review was observed by the OR on a part time basis. The results were similar in nature to the limited NRC review and the M&O

internal reviews. The DOE team found that with a few exceptions, that requirements traceability exists within the upper tier documents hierarchy. The DOE review team noted improvements could be made in the design analysis and specification documents. From this review, the DOE team had the following preliminary observations:

- There were examples where qualitative requirements were specified without providing the actual allowable quantitative values. An example of this was that " the amount of water used in borehole drilling should be kept to a minimum and the water should be traced." The limits for the quantities of this water usage was not specified in the design analysis or specifications.
- The degree to which the 10 CFR 60 requirements are met were difficult to determine sometimes without the analyst's assistance. This process makes it difficult to demonstrate compliance with the 10 CFR requirements downstream in the design analysis and corresponding design package.
- The design analysis often united multiple ESFDR/10 CFR requirements into a single design input criteria. This has the effect of negating the detail of the requirements allocation in the ESFDR and may provide the opportunity for eliminating specifics in the summarization process. The team questioned the value of this aspect in that this summarization may not provide the necessary accountability to demonstrate satisfaction of the requirements through the body and end results of the analysis.

In view of the above observations, the team recommended that efforts continue in reducing the design document hierarchy. Requirements documents should not identify requirements at a lower level than required for the design analysis. Improvement needs to be made to tie the design analysis back to the source requirement. A strategy needs to be developed to support audits and reviews of design packages for those packages that do not have visible flowdown. Improvement needs to be initiated in translating qualitative requirements into quantitative requirements.

The NRC OR agrees with the DOE Review Team's observations and recommendations.

2. A special meeting of the American Society of Mechanical Engineers (ASME) Nuclear Quality Assurance (NQA) Working Group on Document Control and Records Management (WGDC&RM) was held on November 30, 1995, and December 1, 1995, in Las Vegas, Nevada. The purpose of the meeting was to discuss the

draft rewrite of Section 17, "Quality Assurance Records" of the ASME/NQA-1 National Standard. Another action was to develop an outline to determine what changes should be made to incorporate non-mandatory guidance for data management into the Standard. This effort is being driven by the NQA Main Committee to streamline the Standard and make it more performance based. A management representative from the Yucca Mountain Project gave a presentation of how technical data is managed. A task group consisting of the OR and two other Yucca Mountain Project representatives was formed to develop a matrix for data management for review and comment by the WGDC&RM by the end of January 1996.

3. In Section 4.2 (Conduct of Audit) of the November 2, 1995, NRC Observation Audit Report QA-95-11 of the U.S. Geological Survey, the NRC Observers noted that performance-based audits should focus on all points in the process at which technical judgements are made. The NRC Observers indicated that DOE may need to reevaluate its approach to performance-based technical audits to ensure that all important technical and performance-related audit criteria are satisfied. This matter was further briefly discussed with the Yucca Mountain Site Characterization QA Manager the week after the audit.

On November 30, 1995, a discussion (See Enclosure 1 for discussion agenda) was held with those individuals designated as Audit Team Leaders (ATLs) or ATLs in training. Item I.B.1 specifically addresses the NRC comment noted in the above NRC Observation Audit Report in addition to assuring consistency in the performance-based auditing process. The NRC ORs believe this type of discussion is an effective means to assure consistency in the auditing process. The NRC ORs recommend such discussions be continued on an as-needed basis to resolve identified weaknesses or potential inconsistencies in the auditing process.

EXPLORATORY STUDIES FACILITY (ESF)

1. Tunnel Mapping

As of 8 a.m., Friday, December 15, 1995, the Tunnel Boring Machine (TBM) advanced to Station 33+13 meters (10869 feet). Detailed geologic mapping and radial borehole testing continues. Geologic mapping has been completed to Station 31+64 meters (10380). Preliminary tunnel stratigraphy is summarized in Enclosure 2.

2. Alcove Testing

Over this reporting period, radon monitoring equipment was installed in Alcoves 1 and 2. In Alcove 2, investigators conducted hydrochemistry testing in Borehole 1. Following this

testing, hydrochemistry equipment was removed from this borehole and air-permeability testing initiated. In Alcove 3, a steel bulkhead was installed at the entrance to the Alcove to preserve in-situ moisture content. Temperature and humidity recording devices were later installed to establish baseline parameters before testing. The first two radial boreholes in Alcove 3 were cored to a depth of approximately 100 feet. Damp core was encountered in coring through the Tiva Canyon Tuff, crystal poor member, vitric zone. The excavation of Alcove 4 was completed over this reporting period. Constructors are positioning drilling equipment in this alcove in preparation to start first radial borehole. This Alcove also serves as a refuge chamber and is equipped with rescue equipment and a steel bulkhead at the entrance to the alcove in the case of a tunnel emergency. The location of the Thermal Test Alcove is tentatively selected at Station 28+27 meters.

Surface-Based Testing

1. Borehole Drilling and Testing

The locations of boreholes referenced in this section is provided in Enclosure 3.

SD-7

Coring advanced to a planned total depth of approximately 2675 feet. This completes planned drilling activities at this borehole.

SD-12

The installation of downhole pneumatic instrumentation was completed in this borehole.

G-2

Investigators are planning to conduct a pump test in this borehole to collect information on the large hydraulic gradient north of the proposed repository. This testing has been delayed until mechanical problems associated with the downhole pump are resolved.

Pneumatic Testing

DOE investigators continue to collect pneumatic data in boreholes NRG-6, NRG-7a, UZ-4, UZ-5, UZ-7a, and SD-12. Nye County is also recording pneumatic data from equipment installed on the TBM and in boreholes NRG-4 and ONC-1.

C-Hole Complex

The testing planned for the C-Hole Complex will provide information on the hydrologic flow characteristic in the saturated zone. A couple of short pump tests were completed in the Prow Pass Formation over this reporting period. The purpose of these tests were to determine the pumping capacity of the formation. The results of these tests indicate that the Prow Pass Formation produces less than 30 gallons per minute. The current downhole pump cannot operate at a rate low enough to test this formation. Therefore, tracer testing will be conducted in the Bullfrog Formation. This test is expected to start in January 1996.

Southern Tracer Complex

A second tracer test in the saturated zone down-gradient from proposed repository block is under consideration. This testing would be conducted to determine the nature of hydrologic flow pathways and radionuclide transport characteristics in the saturated zone. This testing will include one pumping well and 2 to 3 observation wells. These holes would be located immediately southeast of WT-17 borehole in Dune Wash. A gravity survey was conducted to characterize the nature of faulting in this area.

OTHER ACTIVITIES

1. Probabilistic Volcanic Hazard Analysis Workshop

On December 5-6, 1995, the final workshop on the Probabilistic Volcanic Hazard Analysis (PVHA) for the Yucca Mountain region was conducted in Las Vegas, Nevada. In this workshop, a panel of experts discussed PVHA issues relating to basaltic volcanism, including: 1) tectonic/structural setting; 2) number of events at selected volcanic centers; and 3) spatial and temporal aspects of volcanism. The panel was also briefed on the results of recent geophysical work completed in the vicinity of Yucca Mountain.

A preliminary assessment of volcanic hazard was also presented based on expert elicitation. The preliminary assessment resulted in a mean annual probability of a volcanic event intersecting the potential repository of 3×10^{-8} . Following this workshop, panel members will have an opportunity to revise their individual assessments and elicitation summaries. These revised summaries will be attached to the final PVHA report which is expected to be completed by April 1996. In finalizing these summaries, panel members were instructed on the need to document uncertainties and the technical basis supporting their assessments. Observers also stressed the importance of such documentation. One observer suggested that the final report undergo a peer review similar to that used for a scientific journal article.

Appendix 7 Interaction

An Appendix 7 interaction to discuss geophysics data used in addressing volcanism issues was conducted on December 7, 1995 in DOE's Las Vegas Office. This interaction provided NRC and DOE staff and contractors with an opportunity to exchange information on recently collected geophysics data. DOE updated NRC staff on the status of high resolution seismic surveys completed across the proposed repository area, and presented seismic profiles along two regional surveys lines. DOE also presented preliminary interpretations of regional gravity and aeromag data. NRC staff indicated that the final interpretations of the gravity, seismic, and aeromag data will be particularly useful in addressing volcanic and tectonic issues.

GENERAL

1. Meetings/Interactions

- Attended the regularly scheduled bi-weekly meeting with W. Barnes (Yucca Mountain Site Characterization Office (YMSCO) Project Manager). Topics discussed at this meeting included: 1) NRC feedback from the December 7, 1995, Appendix 7 meeting to discuss volcanism information; 2) current documents that drive the DOE program; 3) schedule for publishing Synthesis Reports and Numerical Models; 4) feedback from DOE on National Academy of Sciences comments on the DOE Technical Basis Document; 5) status of NRC Key Technical Issues; 6) NRC/DOE feedback from the December 4, 1995, Nevada Commission on Nuclear Projects meeting; 7) results from the OR tracing flowdown of the 10 CFR technical requirements through the design document hierarchy to the design analysis in comparison to the M&O and DOE reviews; 8) potential move of the NRC OR office to the DOE Summerlin facility; and 9) tunnel boring machine status/plans.
- Attended the Nevada Commission on Nuclear Projects meeting held in Las Vegas, Nevada, on December 12, 1995. The agenda for this meeting is provided in Enclosure 4. This Commission is responsible for oversight of the State of Nevada's Nuclear Waste Project Office and the purpose of this meeting was to obtain a status from the involved participants in the high-level waste repository program. W. Barnes was the first presenter on the agenda and gave an update of the current status of the Yucca Mountain Project. Mr. Barnes indicated that due to Congressional cuts in funding, there is no funding for state and local governments. The lack of adequate funding has necessitated cutbacks in the project and may cause layoffs affecting up to 800 workers. Other individuals representing Senators Bryan and Reid, State of Nevada

Nuclear Waste Project Office, Local Government, Tribes, and public also gave presentations.

- Due to reductions in the DOE budget for the ESF, in early November, 22 personnel from Science Applications International Corp. were given notices of termination. This brings the total reductions of staff associated with the ESF project to over 400 thus far.

2. Developmental Assignment Update

CDR Colleen F. Petullo, U.S. Public Health Service, started a 30-day developmental assignment with NRC's Las Vegas office on November 21, 1995. She is developing a proposal for OR involvement and support in NRC's key technical issues vertical slice strategy. To facilitate the development of her proposal, from December 3 through 6, 1995, she traveled to headquarters to interview the program managers and technical leads of the various vertical "slices." The interviews were useful in outlining several areas of common information needs between the "slices". Requests for suggestions for improving communication between headquarters and the field were well received. CDR Petullo is compiling her notes from the interviews and discussions with the ORs and will submit her proposal in January 1996.

3. Reports

Over this reporting period, the following reports were received in the Las Vegas Office:

SANDIA

SAND94-0244 - STOCHASTIC HYDROGEOLOGIC UNITS AND HYDROGEOLOGIC PROPERTIES DEVELOPMENT FOR TOTAL-SYSTEM PERFORMANCE ASSESSMENTS, A.R. SCHENKER, D.C. GUERIN, T.H. ROBEY, C.A. RAUTMAN, R.W. BARNARD, 9/95

SAND94-2247 - YUCCA MOUNTAIN THERMAL RESPONSE: AN EVALUATION OF THE EFFECTS OF MODELED GEOLOGIC STRUCTURE AND THERMAL PROPERTY DESCRIPTIONS, R. LONGENBAUCH, C.A. RAUTMAN, E.E. RYDER, 9/95

SAND95-0591 - BATCH AND COLUMN STUDIES OF ADSORPTION OF Li, Ni and Br BY A REFERENCE SAND FOR CONTAMINANT TRANSPORT EXPERIMENTS, M.D. SIEGEL, D.B. WARD, C.R. BRYAN, C. BOYLE, 9/95

SAND95-0857 - UNSATURATED-ZONE FAST-PATH FLOW CALCULATIONS FOR YUCCA MOUNTAIN GROUNDWATER TRAVEL TIME ANALYSES (GWTT-94), B.W. ARNOLD, S.J. ALTMAN, T.H. ROBEY, R.W. BARNARD, T.J. BROWN, 9/95

SAND-95-0917 - REPOSITORY THERMAL RESPONSE: A PRELIMINARY EVALUATION OF THE EFFECTS OF MODELED WASTE STREAM RESOLUTION, E.E. RYDER, E. DUNN, 9/95

SAND95-1121 - USERS' MANUAL FOR LEHGC: A LAGRANGIAN-EULERIAN FINITE-ELEMENT MODEL OF HYDROGEOCHEMICAL TRANSPORT THROUGH SATURATED-UNSATURATED MEDIA - VERSION 1.1, G. YEH, S.L. CARPENTER, P.O. HOPKINS, M.D. SIEGEL, 10/95

SAND95-1814 - DIESEL EMISSIONS AND VENTILATION EXHAUST SAMPLING IN THE NORTH RAMP OF THE YUCCA MOUNTAIN PROJECT EXPLORATORY STUDIES FACILITY, J.T. GEORGE, 11/95

SAND-95-1905 - PRE-TEST SIMULATIONS OF LABORATORY-SCALE HEATER EXPERIMENTS IN TUFF, C.K. HO, 9/95

LAWRENCE LIVERMORE NATIONAL LABORATORY

UCRL-ID-119442 - UPDATED CANDIDATE LIST FOR ENGINEERED BARRIER MATERIALS, R.D. McCRIGHT, 10/95

UCRL-ID-119564 - ENGINEERED MATERIALS CHARACTERIZATION REPORT FOR THE YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT (3 VOLS) I.E , VOL. 1: INTRODUCTION, HISTORY, AND CURRENT CANDIDATES; 2: DESIGN DATA; 3: CORROSION AND DATA MODELING, R.A. VAN KONYNENBURG, R.D. McCRIGHT, A.K. ROY, D.A. JONES, 8/95

LOS ALAMOS NATIONAL LABORATORY

LA-12972-MS - MICROBIAL EFFECTS ON COLLOIDAL AGGLOMERATION, L. HERSMAN, 11/95

LA-12976-MS - LOS ALAMOS NATIONAL LABORATORY YUCCA MOUNTAIN PROJECT PUBLICATIONS (1979-1994), L.M. BOWKER, M.L. ESPINOSA, S.H. KLEIN, 11/95

US GEOLOGICAL SURVEY

OPEN-FILE REPORT 95-134 - GEOCHEMICAL AND PB, SR, AND O ISOTOPIC STUDY OF THE TIVA CANYON TUFF AND TOPOPAH SPRING TUFF, YUCCA MOUNTAIN, NYE COUNTY, NEVADA, L.A. NEYMARK, B.D. MARSHALL, L.M. KWAK, K.FUTA, S.A. MAHAN, 1995

TRAC

ANNUAL REPORT - NEVADA: PART I - GEOLOGY (Edited by J.Szymanski) 11/94; PART II - A. GEOHYDROLOGY, MODELING AND COMPARISONS TO OBSERVATIONAL DATA; B. ORIGINS OF CALCITE/OPAL DEPOSITS AT YUCCA MOUNTAIN (Assembled by C.B. Archambeau), 2/95

cc w/encs.:

R. Milner, DOE-OCRWM
C. Einberg, DOE/WA
R. Loux, State of Nevada
J. Meder, Nevada Legislative Counsel Bureau
W. Barnes, YMSCO
D. Horton, YMSCO
N. Chappell, M&O
M. H. Haghi, M&O
M. Murphy, Nye County, NV
M. Baughman, Lincoln County, NV
D. Bechtel, Clark County, NV
D. Weigel, GAO
P. Niedzielski-Eichner, Nye County, NV
B. Mettam, Inyo County, CA
V. Poe, Inyo County, CA
W. Cameron, White Pine County, NV
R. Williams, Lander County, NV
L. Fiorenzi, Eureka County, NV
J. Hoffman, Esmeralda County, NV
C. Schank, Churchill County, NV
L. Bradshaw, Nye County, NV
W. Barnard, NWTRB
R. Holden, NCAI
A. Melendez, NIEC
R. Arnold, Pahrump, NV
N. Stellavato, Nye County, NV
J. Greeves, NRC WA (T7J-9)
J. Thoma, NRC WA (T7J-9)
M. Bell, NRC WA (T7C-6)
M. Federline, NRC WA (T7J-9)
J. Spraul, NRC WA (T7J-9)
S. Wastler, NRC WA (T7J-9)
A. Garcia, NRC WA (T7J-9)
J. Austin, NRC WA (T7D-13)
C. Paperiello, NRC WA (T8A-23)
M. Knapp, NRC WA (T8A-23)
R. Irish, NRC WA (T-5D28)
W. Reamer, NRC WA (O15B-18)
W. Patrick, CNWRA (Center)

DISCUSSION AGENDA

AUDIT PROCESS & IMPROVEMENTS

I. Scoping Activities

A. Compliance Based Audits

- 1. Define approach**
- 2. Relationship to RTN**

B. Performance Based Audits

- 1. Status of Products (NRC identified weakness)**
- 2. Determining Critical Process Steps/Controls**
- 3. Measurement Criteria**
- 4. Documenting Deficiencies**

II. Client Interface

A. During Audit

B. Deliverables

III. Observer Protocol

A. Prior to Audit

- 1. Plan and Notification**
- 2. Checklists**
- 3. Other NRC/State/County Requests**

B. Interface during the audit

- 1. Laying out ground rules**
- 2. Communication during the audit**

C. NRC Observation Reports

IV. Reporting Audit Results

A. Exit Meetings (NRC identified weakness)

B. Reports

C. Records Packages

PRELIMINARY ESF NORTH RAMP STRATIGRAPHY

STRATIGRAPHY

STATION

Tiva Canyon crystal poor upper lithophysal zone	0+00 to 0+99.5m
Tiva Canyon crystal poor middle nonlithophysal zone	0+99.5 to 1+90m
Tiva Canyon crystal poor lower lithophysal zone	1+90 to 1+99.5m
Bow Ridge fault zone	1+99.5 to 2+02m
Ranier Mesa	None
Pre-Ranier Mesa tuff	2+02 to 2+63.5m
Tuff "X"	2+63.5 to 3+33m
Pre-Tuff "X"	3+37 to 3+49.5m
Tiva Canyon vitric zone	3+49.5 to 3+59.5m
Tiva Canyon crystal rich nonlithophysal zone	3+59.5 to 4+34m
Tiva Canyon crystal rich lithophysal zone	4+34 to 4+39m
Tiva Canyon crystal poor upper lithophysal zone	4+39 to 5+53m
Tiva Canyon crystal poor middle nonlithophysal zone	5+53 to 5+87m
Tiva Canyon crystal poor lower lithophysal zone	5+87 to 6+17m
Tiva Canyon crystal poor lower nonlithophysal zone	6+17 to 7+77m
Tiva Canyon crystal poor vitric zone	7+77 to 8+69m
Pre-Tiva Canyon bedded tuffs	8+69 to 8+72.5m
Yucca Mountain Tuff	8+72.5 to 8+73.5m
Pre-Yucca Mountain bedded tuffs	8+73.5 to 9+12m
Pah Canyon Tuff	9+12 to 10+20m
Pre-Pah Canyon bedded tuffs	10+20 to 10+51.5m
Topopah Spring Tuff crystal rich vitric zone	10+51.5 to 12+00m
Topopah Spring crystal rich nonlithophysal zone	12+00 to 17+17m

Topopah Spring crystal rich lithophysal zone

17+17 to 17+97m

Topopah Spring crystal poor upper lithophysal zone

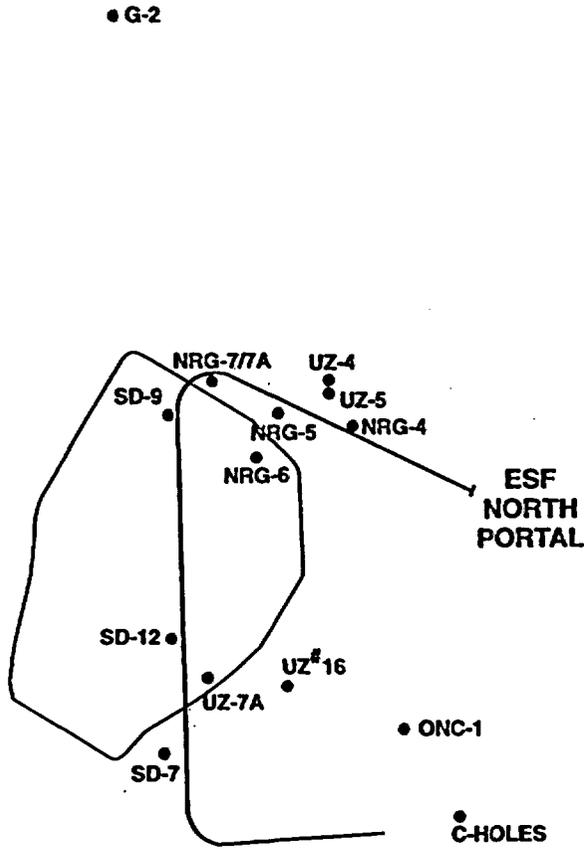
17+97m to 27+20m

Topopah Spring crystal poor middle nonlithophysal zone (Tsw2)

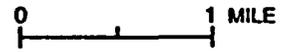
27+20m to face

Notes: All stations given are referenced to the right springline unless otherwise noted. Stratigraphy is based on preliminary reports by United States Bureau of Reclamation mappers and is subject to revision.

Selected Borehole Locations



• WT-10





AGENCY FOR NUCLEAR PROJECTS
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MEETING AGENDA

NEVADA COMMISSION ON NUCLEAR PROJECTS
MONDAY - DECEMBER 4, 1995
SAWYER BUILDING/555 E. WASHINGTON STREET/ROOM 1006-A
LAS VEGAS, NEVADA
9:30am - 12:30pm

- | | |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <u>9:30am</u> Welcome and Introductions
Review Agenda | Chairman Brian McKay |
| 1. Review and Approval of Minutes
for 08/17/94 | Commissioners |
| 2. Yucca Mountain Program Update
Appropriations Update | Wesley Barnes
Russell Dyer
Yucca Mountain Project |
| 3. Congressional Office Updates | Congressional Members or
Representatives |
| 4. NWPO Report to the Commission

Environmental Impact Study
Comments | Robert Loux, NWPO
Executive Director

Robert Halstead,
Transportation Advisor |
| 5. Affected Units of Local Governments | Local Government
Representatives |
| 6. Indian Tribes | Tribal Representatives |
| 7. Public Comment | Public |
| 8. Schedule of Next Meeting &
Adjournment | Commissioners |