

WM-6
PDR

WM Record File	407.26
WM Dir.
WM Dep. Dir.
WMPI
WMHT	576
WMUR
WMML
WMHL
Others

Bechtel Civil & Minerals, Inc.

Engineers-Constructors

Fifty Beale Street
San Francisco, California

Mail Address: P.O. Box 3965, San Francisco, CA 94119



Return to
wm
623-55

October 18, 1982

Mr. John T. Greeves
U.S. Nuclear Regulatory Commission
Mail Stop 623 SS
Washington, D.C. 20555

Dear John:

The purpose of this letter is to confirm the invitation I recently made to you to become a member of ANS Working Group 2.24. This new Working Group is being formed to prepare the proposed standard entitled "Establishing Site-Related Geotechnical Parameters for Site Selection, Design, Construction, Operation, and Decommissioning of a Deep-Mined Repository for Disposal of Nuclear Wastes". A copy of the project charter is attached.

The American Nuclear Society is willing to sponsor the development of the proposed standard and will be financed under a U.S. Department of Energy grant to ANS. Under this agreement, Working Group members will be reimbursed for actual travel and living expenses away from their office areas. Funding can be arranged for your engineering services if your organization can not provide funds to cover your time spent on this effort. Ms. Marilyn Weber of ANS can provide you more information on this item.

Our overall plan is to hold about three or four meetings, each of several days' duration, to actually complete the drafts, including the required revisions, as efficiently and expeditiously as possible.

Our initial plans for preparing this standard includes having the first meeting at the Airlie House near Washington, D.C. during the first week of November. This meeting will be to review the charter, purpose, scope, etc., and then we would develop our outline, work assignments, and begin actual preparation of the first draft.

ANS will be sending you specific information on the details of the November meeting but we now plan to meet for lunch at the Airlie House on November 1, 1982 to be able to catch return flights home Friday afternoon, November 5, 1982.

Thank you for your willingness to participate in the Working Group. I believe it is a very worthwhile effort.

Very truly yours,

C. R. McClure

CRM:rl
Att.

8211060706 821018
PDR WASTE
WM-6 PDR

NUCLEAR STANDARD PROJECT CHARTER

1. TITLE: Criteria for Establishing Site-Related Geotechnical Parameters for Site Selection, Design, Construction, Operation, and Decommissioning of a Deep-Mined Repository for Nuclear Wastes, ANS-2.24

2. SCOPE:

This standard presents criteria for establishing site-related geotechnical parameters for site selection, design, construction, operation, and decommissioning of a deep-mined repository for nuclear wastes. Aspects considered include subsurface stratigraphy of soil and rock units, structural geology, seismology, ground water, earthquake engineering, and geoen지니어ing of underground openings. Included are tabulations of typical field and laboratory investigative and monitoring methods useful in defining various geotechnical parameters. The standard applies recommended risk levels in selection of parameters in the design of the facility.

3. SPONSOR: ORGANIZATION: U. S. Department of Energy
COMMITTEE: ANS-2 (ANS-2.24)

4. END USE OF STANDARD: A deep-mined repository will require licensing by the NRC, wherever

5. JUSTIFICATION: It is located. This proposed standard will have immediate application to the exploratory work being performed in several potential host rocks. It is expected that the standard would be similar in approach to ANS-2.11 and -2.19. It should provide treatment of subjects germane to deep-underground facilities compared with guidelines already developed for nuclear power plants. The standard will be used to establish a basis upon which other standards or procedures within the field of site evaluation can be developed.

The Department of Energy anticipates that licensing for such a facility will be not later than 1988.

6. PRIORITY STATEMENT: High; Category I

7. COORDINATION AND INTERFACES ASTM; N46; N48

8. PROPOSED SCHEDULE (MUST BE COMPLETED FOR CATEGORY A PROJECTS)

Initiation date: 5/1/82

Charter approval date:

Release of first draft by Working Group: 12/1/82

Consensus body approval date:

ANSI/BSR approval date:

9. WORKING GROUP CHAIRMAN:

10. AFFILIATIONS OF WORKING GROUP MEMBERS:

FOR STAFF ONLY

DATE: Planning Committee approval

DATE: NSMB Approval

October 18, 1982

PRESENT MEMBERSHIP OF ANS 2.24 COMMITTEE

Thomas C. Buschbach
P.O. Box 1620
Champaign, IL 61820
(217) 356-3667

John T. Greeves
U.S. Nuclear Regulatory Commission
Mail Stop 623 SS
Washington, D.C. 20555
(301) 427-4672

Thomas P. Longo
NE-22
GTN
U.S. Department of Energy
Washington, D.C. 20545
(301) 353-3791

I Wendell Maxine
E. I. duPont de Nemours & Co.
Savannah River Laboratory
Aiken, S.C. 29808
(803) 725-3469

Cole R. McClure
Bechtel Civil & Minerals, Inc.
P.O. Box 3965
San Francisco, CA 94119
(415) 768-8214

Howard R. Pratt
Science Applications, Inc.
1200 Prospect Street
P.O. Box 2351
LaJolla, CA 92038
(714) 456-6277

J. Carl Stepp
Woodward-Clyde Associates
3 Embarcadero Cntr., Ste. 700
San Francisco, CA 94111
(415) 956-7070

Program Administrator
Marilyn D. Weber
ANS - ANS Standards Committee
555 North Kensington Ave.
La Grange Park, IL 60525
(312) 352-6611