



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 20, 1999

MEMORANDUM TO: C. William Reamer, Chief
High-Level Waste and Performance
Assessment Branch
Division of Waste Management, NMSS

FROM: Philip S. Justus, Sr. Geologist *Philip S. Justus*
High-Level Waste and Performance
Assessment Branch
Division of Waste Management, NMSS

SUBJECT: FORTHCOMING U.S. DEPARTMENT OF ENERGY (DOE)/U.S.
NUCLEAR REGULATORY COMMISSION (NRC) TECHNICAL
EXCHANGE* ON THE 3D YUCCA MOUNTAIN GEOLOGIC
FRAMEWORK MODEL, VERSION 3.1 (GFM3.1)

DATE & TIME: June 3-4, 1999
9:00 AM - 5:00 PM. (EDT)

LOCATION: NRC-Headquarters
CRADAL, Two White Flint, Room #7C2
11545 Rockville Pike
Rockville, MD 20852

OBJECTIVE: NRC/MANDEX/CNWRA staff to gain a thorough understanding of
GFM3.1 and associated files in order to review and comment on
acceptability of GFM3.1

PARTICIPANTS: NRC DOE/M&O MANDEX CNWRA
DBrooks RClayton GStirewalt DSims
PJustus AGil
Albrahim et al.
et al.

Agenda: Attached

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*Meetings and technical exchanges between NRC and DOE are open to members of the public and other interested parties wishing to attend as observers, pursuant to the spirit of the "Open Meeting Statement of NRC Staff Policy" (59 FR 48340, dated September 20, 1994) which details the open meeting policy for applicants.

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cc: R. Loux, State of Nevada
 S. Frishman, State of Nevada
 L. Barrett, DOE/Wash, DC
 A. Brownstein, DOE/Wash, DC
 S. Hanauer, DOE/Wash, DC
 C. Einberg, DOE/Wash, DC
 S. Russo, DOE/Wash, DC
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 S. Brocoun, YMPO
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 A. Gil, YMPO
 S. Echols, M&O
 B. Price, Nevada Legislative Committee
 J. Meder, Nevada Legislative Counsel Bureau
 D. Bechtel, Clark County, NV
 E. von Tiesenhausen, Clark County, NV
 J. Regan, Churchill County, NV
 T. Cain, Esmeralda County, NV
 L. Fiorenzi, Eureka County, NV
 B. Mettam, Inyo County, CA
 T. Manzini, Lander County, NV
 E. Culverwell, Lincoln County, NV
 J. Wallis, Mineral County, NV
 L. Bradshaw, Nye County, NV
 M. Murphy, Nye County, NV
 J. McKnight, Nye County, NV
 N. Stellavato, Nye County, NV
 D. Kolkman, White Pine County, NV
 D. Weigel, GAO
 W. Barnard, NWTRB
 R. Holden, NCAI
 A. Mitre, NIEC
 R. Arnold, Pahrump County, NV
 J. Lyznicky, AMA
 R. Clark, EPA
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OCA	JFitzpatrick	CRearner	JThomas	GStirewalt	Albrahim

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NAME	PJustus	MHood	DBrooks			
DATE	05/20/99	05/20/99	05/20/99			

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Meeting Notice

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MEETING AGENDA FOR 3-4 JUNE 1999
TECHNICAL EXCHANGE BETWEEN DOE AND NRC ON THE 3D YUCCA MOUNTAIN
GEOLOGICAL FRAMEWORK MODEL, VERSION 3.1 (GFM3.1)
NRC-HQ, ROCKVILLE, MD

OBJECTIVE: NRC/MANDEX/CNWRA staff to gain a thorough understanding of GFM3.1 and associated files in order to review and comment on acceptability of GFM3.1

Thursday, 3 June 1999

Statements from NRC and DOE / Introduction of Attendees 9:00 - 9:15am

General Overview of GFM3.1 9:15 - 11:00am

Discussion topics include, but are not limited to, modeling methodology, technical hurdles, honoring input data, logic for interpretations, and model output capabilities. These topics will be revisited as necessary during the course of the exchange.

Break 11:00 - 11:15am

Examination of Fault Surfaces and Associated Files 11:15 am- 12:00

Discussion topics include, but are not limited to, potential issues related to representation of fault geometry in GFM3.1

Lunch Noon - 1:00pm

Examination of Fault Surfaces and Associated Files 1:00 - 5:00pm

Friday, 4 June 1999

Examination of Stratigraphic Horizons and Associated Files 9:00 - 11:00am

Discussion topics include, but are not limited to, potential issues related to representation of stratigraphic horizons, horizon thickness, and character of horizon surfaces adjacent to faults in GFM3.1.

Break 11:00 - 11:15am

Examination of Stratigraphic Horizons and Associated Files 11:15 - Noon

Lunch Noon - 1:00pm

Examination of Stratigraphic Horizons and Associated Files 1:00 - 2:30pm

Consideration of Other Pertinent Features of GFM3.1 / Wrap-up 2:30 - 4:30PM

NRC Contact: P. Justus (301) 415-6745