

June 14, 2001

MEMORANDUM TO: C. William Reamer, Chief
High-Level Waste Branch
Division of Waste Management
Office of Nuclear Material Safety and Safeguards

FROM: Manny Comar, Project Manager /RA/
Projects and Engineering Section
High-Level Waste Branch
Division of Waste Management
Office of Nuclear Material Safety and Safeguards

SUBJECT: FORTHCOMING U.S. NUCLEAR REGULATORY COMMISSION
AND U.S. DEPARTMENT OF ENERGY TECHNICAL
EXCHANGE ON IGNEOUS ACTIVITY AND MANAGEMENT
MEETING

DATE/TIME of MEETING: June 21 - 22, 2001
8:00 a.m. - 5:00 p.m. (PDT) 11:00 a.m. - 8:00 p.m. (EDT)

LOCATION: Texas Station Hotel and Casino
2101 Texas Star Lane
Las Vegas, NV 89032

PURPOSE: Discuss issues related to the consequences of future igneous
activity at Yucca Mountain

AGENDA: Attached

PARTICIPANTS: NRC DOE Nevada NV Counties
JTrapp AGil SFrishman DBechtcl
JAndersen TGunter et. al. et. al.
et. al. et. al.

* Meetings and technical exchanges between NRC and DOE are open to members of the public, petitioners, interveners, or other interested parties wishing to attend as observers pursuant to the spirit of "Policy Statement on Staff Meetings Open to the Public," 65 Federal Register 56964, dated September 20, 2000. The revised policy states that public notice of staff meetings open to the public will be provided via the Internet at the U.S. Nuclear Regulatory Commission Web site. Members of the public can also contact the staff toll free at 1-800-397-4209.

Memorandum to C.W. Reamer from M. Comar dated: June 14, 2001

cc:

R. Loux, State of Nevada
R. Massey, Lander County, NV
S. Frishman, State of Nevada
L. Barrett, DOE/Washington, DC
A. Brownstein, DOE/Washington, DC
S. Hanauer, DOE/Washington, DC
C. Einberg, DOE/Washington, DC
J. Carlson, DOE/Washington, DC
N. Slater, DOE/Washington, DC
L. Desell, DOE/Washington, DC
E. Turner, DOE/Washington, DC
D. Kim, DOE/Washington, DC
S. Gomberg, DOE/Washington, DC
A. Gil, YMPO
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S. Brocoum, YMPO
R. Clark, YMPO
S. Mellington, YMPO
C. Hanlon, YMPO
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K. Hess, BSC
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S. Echols, Winston & Strawn
J. Curtiss, Winston & Strawn
J. Meder, Nevada Legislative Counsel Bureau
A. Kalt, Churchill County, NV
G. McCorkell, Esmeralda County, NV
L. Fiorenzi, Eureka County, NV
A. Johnson, Eureka County, NV

A. Remus, Inyo County, CA
M. Yarbrow, Lander County, NV

J. Pitts, Lincoln County, NV
M. Baughman, Lincoln County, NV
A. Funk, Mineral County, NV
J. Shankle, Mineral County, NV
L. Bradshaw, Nye County, NV
M. Murphy, Nye County, NV
J. McKnight, Nye County, NV
B. Price, Nevada Legislative Committee
D. Weigel, GAO
W. Barnard, NWTRB
D. Bechtel, Clark County, NV
E. von Tiesenhausen, Clark County, NV
L. Lehman, T-Reg, Inc
R. Holden, NCAI
A. Collins, NIEC
R. Arnold, Pahrump County, NV
J. Larson, White Pine County
R. Clark, EPA
F. Marcinowski, EPA
R. Anderson, NEI
R. McCullum, NEI
S. Kraft, NEI
J. Kessler, EPRI
D. Duncan, USGS
R. Craig, USGS
W. Booth, Engineering Svcs, LTD
N. Rice, NV Congressional Delegation
T. Story, NV Congressional Delegation
J. Reynoldson, NV Congressional
Delegation
S. Joya, NV Congressional Delegation
J. Pegues, City of Las Vegas, NV

DRAFT AGENDA
IGNEOUS ACTIVITY TECHNICAL EXCHANGE
AND MANAGEMENT MEETING
June 21-22, 2001
Texas Station Hotel and Casino
2101 Texas Star Lane
Las Vegas, Nevada

June 21, 2001

8:00 – 8:15 AM	Opening Remarks–NRC, DOE, State of Nevada, AUGs
8:15 – 8:30 AM	Overview of Meeting for Observers–NRC
8:30 – 9:30 AM	Magma-Drift Interactions–NRC (Woods and Bokhove)
9:30 – 10:30 AM	Magma-Drift Interactions–DOE (Valentine) Topography & Morphology, Hydrothermal activity (long term), Dike propagation effects, Conduit effects, Thermal mechanical effects
10:30 – 10:45 AM	BREAK
10:45 – 11:45 AM	Caucus on magma-drift interactions
11:45 AM - Noon	NRC-DOE discussion of agreement items
Noon – 1:00 PM	LUNCH
1:00 – 1:30 PM	Magma-Waste Package Interactions (DOE-Valentine) Canister Failure (long term), Hydrothermal activity (short term), Secondary mineral phases in waste, Number of waste packages intersected by magma, T-M effects on waste package damage in zones 1 and 2, Relative contributions to dose from releases in zones 1 and 2
1:30 – 2:30 PM	Caucus on magma-waste package interactions
2:30 – 2:45 PM	NRC-DOE discussion of agreement items
2:45 – 3:00 PM	BREAK
3:00 – 3:30 PM	Magma-Waste Form Interactions (DOE-Valentine) Magma interacts with waste, Reaction of cladding, Waste particle size distribution
3:30 – 4:00 PM	Caucus on magma-waste form interactions
4:00 – 4:15 PM	NRC-DOE discussion of agreement items
4:15 – 4:45 PM	Total System Performance Assessment Supplemental Sensitivity Analyses (DOE/Swift) Wind Speed, Particle Size, Zone 1 and 2 Releases, Ash Redistribution
4:45 – 5:00 PM	Closing Remarks
5:00 PM	Adjourn Day 1

June 22, 2001

8:00 AM – 8:30 AM	Special Topic (Gene Smith, UNLV)
8:30 – 9:30 AM	Biosphere Items (DOE-Smith) Airborne particle concentration Comparison of static versus disturbed conditions Average annual static concentrations vs. 8-hr workday disturbed conditions Basis for extrapolating TSP concentrations Airborne particle concentration in response to fluvial and eolian flux through the critical group location Assumption that the concentration of resuspended particles returns to background values within 10 years of the cessation of an igneous event
9:30 – 10:30 AM	Caucus on biosphere items
10:30 – 10:45 AM	NRC-DOE discussion of agreement items
10:45 – 11:00 AM	BREAK
11:00 – 11:30 AM	Miscellaneous Items New wind velocity data Soil removal rate and surface redistribution processes [could be regrouped with Biosphere items] Aeromagnetic data Other items
11:30 AM – Noon	Caucus on miscellaneous items
Noon – 12:15 AM	NRC-DOE discussion of agreement items
12:15 – 12:30 PM	Closing Remarks
12:30 PM	Adjourn Day 2
12:30 – 1:30 PM	LUNCH
1:30 – 5:00 PM	Develop meeting summary (DOE-NRC)

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