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November 15, 1984

Dr. John S. Trapp
Geotechnical Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

WM Record File

101.5 &
106.2

WM Project 10 &

Docket No. _____

PDR

LPDR

Distribution:

TRAPP

(Return to WM, 623-SS)

Dear Dr. Trapp:

Subject: List of Documents Requiring Review Prior to
Receipt of EAs Contract AT-(49-24)-1597

In response to Task A of your letter of October 12, I am forwarding a list of documents which I feel should be reviewed prior to receipt of the EAs for BWIP and the Permian Basin sites. Many of these references were identified as potentially informative solely on the basis of their title. All would appear to merit browsing. However, those that require careful reading are presently unidentifiable. Therefore, I am unable to estimate the time required for their review. I suggest as an alternative that I spend not more than 40 hours to browse all of the listed documents, after which I will be able to provide an estimate of additional time for careful reading. (It is assumed that references will be compiled by NRC.)

Very sincerely,



Richard H. Berry

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BWIP DOCUMENTS

I. October 1984 Documents/Data Accessions List

<u>BWIP Number</u>	<u>Date</u>	<u>Subject</u>	<u>NRC Document #</u>
RSD-BWI-DP-016	8/80	Earthquake Swarms	-
SD-BWI-DP-035	9/83	Structure Cross Sections	1697
RHO-BWI-LD-004	9/78	Geology of Saddle Mountains	00763
-005	9/78	Geology, Gable Mountain	00072
-006	9/78	Geology, 9 Canyon Gap	00782
-009	12/81	Geology, Wallula Gap	00840
-016	1/78	Geology of Topographic Profile, MSTF	-
-024	2/80	Identification of Candidate Sites	00023
-050	9/81	Comments of Geological Overview Committee	-
RHO-BWI-ST-004	10/79	Geological Status	00001
-008	8/80	Phase I Geological SCR	-
-014	7/81	Subsurface Geology, Cold Spring Syncline	00731
-019	3/83	Tectonic Stability	01393
DOE/RL 82-3	11/82	SCR, Vol. I, II & III	-
RSD-BWI-SQ-001	10/80	Surface Characteristics of Cold Spring Syncline	--
ARH-SA-291A	4/83	Gravity Studies	--
RHO-BWI-SA-028A	10/79	Right Lateral Strike Slip Faults	-
-38A	11/79	Quaternary and Holocene Faulting, Toppenish Ridge	00466
-39A	11/79	Tectonic Evolution, Columbia Hills	00054

<u>BWIP Number</u>	<u>Date</u>	<u>Subject</u>	<u>NRC Document #</u>
RHO-BWI-SA-40A	11/79	Left Lateral Strike Slips in Yakima Ridge	00055
41A	11/79	Geological Map of Colombia River Basalt	00050
-043	5/80	Landsat Data	-
-046	10-79	Geologic Map of Pasco Basin	-
-052	3/80	Site Characterization Studies	-
-063A	11/80	Geophysical Studies	-
-068A	11/80	Geological Studies	-
-070A	11/80	Shear Zone Evolution	-
-093A	12/80	Structure of Untanum Ridge	-
-103	12/80	Geological Investigations	-
-133	5/81	Rate of Deformation of Pasco Basin	-
-137	11/81	Eastward Termination of Yakima Folds	-
-155A	9/81	Geophysics Across Rattlesnake Hills Lineament	00857
-161A	9/81	Geophysics, Gable Gap	-
-179	11/81	Geohydrologic Investigation	-
-185	3/82	Fault Parameters for Risk Assessment	-
-187P	5/82	Uplift and Subsidence Rates	00746
-214P	12/82	Geophysics, Eastern Yakima Ridge	00875
-216P	6/82	Site Screening Process	-
-232AP	9/82	Constraints on Tectonic Models from Growth Rates of Fields	00879
-237AP	?	Geohydrologic Characterization of BWIP	-

<u>BWIP Number</u>	<u>Date</u>	<u>Subject</u>	<u>NRC Document #</u>
BHO-BWI-SA-245P	9/82	BWIP Site Issues and Plans	-
-250P	9/82	Geology of the Repository	00887
-260A	9/82	Geophysical Investigation, Eastern Yakima Rodge	00822
-266P	12/82	Geophysics, Sub Basalt Structures	-
-289P	4/83	Crustal Structure	01406
-298A	7/83	Status of Geologic and Hydrologic Characterization	01646
B035494 (P. 92)*	5/79	Geology, Eastern Pasco Basin	-
B033810 (P. 93)*	9/80	Tectonic Assessment	-
B035470 (P. 93)*	9/80	Aeromagnetic Survey, Final	-
B015828 (P. 96)*	12/82	Seismic Refraction Interpretations of '81 Data	-
RHO-BWI-C-20	9/78	Seismic Reflection Data	00152
-25	9/78	Geology of SW Pasco Basin	00198
-64	1/79	Clastic Dikes, Pasco Basin	00047
RHO-BWI-CR-130P	8/81	Volcanic Hazards	00652
-133P	5/82	Remote Sensing, Columbia Plateau	-
RSD-BWI-YI-006	9/80	Tectonic Assessment, Pasco Basin	-
-074	6/82	Key Factors for Recommending Site Location	-
-078	12/82	Drill Requirements for Geological Studies	-
-089	4/83	Hydrologic Testing of Untanum Fracture Zone	-

* Page in 10/84 Documents/Data Accession List

<u>BWIP Number</u>	<u>Date</u>	<u>Subject</u>	<u>NRC Document #</u>
RSD-BWI-YI-111	1/83	Tectonic Stability (Caggiano)	-
-177	5/84	Reinterpretation of Seismic Reflection Data	-

II. References From NRC In-House Tabulation, July 1984

Bentley, "Stratigraphy and Structural Evolution of the Yakima Ridges," (no date).

BNWL-SA-1704	3/68	Faulting in Pasco Basin	00102
BNWL-662	10/68	Faulting in Pasco Basin	00099
DOE/NAC	3/84	Workshop for Geology, Seismology and Tectonics	01676
SD-BWI-TI-186	1/84	Survey of Drilling and Coring (RRL-14)	01664

III. New, Unfiled Reports

RHO-BW-SA-296P	5/84	Clockwise Rotation of Central Columbian Plateau	-
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IV. Items of DOE Letter to R.J. Wright, 6/21/83

- 1) Drill Core for Dr. Slemmons (a memo?)
- 2) Hydrologic Barrier Geophysical Study - Yakima Barricade Area (document)

V. BWIP EA Draft

1) NUREA-0960	1983	Draft Site Characterization
2) RHO-BWI-C-107	5/81	Site Locality Identification

PERMIAN BASIN DOCUMENTS

Bair, E. S., T. P. O'Donnell, and L. W. Picking, 1984. Hydrogeologic Investigations Based on Drill-Stem Test Data, Palo Duro Basin Area, Texas and New Mexico, BMI/ONWI-xxx, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH, in preparation.

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> Budnik, R., and D. Smith, 1982. "Regional Stratigraphic Framework of the Texas Panhandle," Geology and Geohydrology of the Palo Duro Basin, Texas Panhandle, Geological Circular 82-7, Texas Bureau of Economic Geology, Austin, TX, pp. 38-86.

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Budnik, R. T., 1984. Seismic Reflection Interpretation of Faulting into the Palo Duro Basin, Texas Panhandles, Characterization Status Report Section 3.3.2.2.3.D.

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Gustavson, T. C. and R. T. Budnik, in press. Structural Control of Geomorphic Processes and Physiographic Features, Texas Panhandle: Technical Issues in the Siting of a Nuclear Waste Repository, Texas Bureau of Economic Geology, Austin, TX, available through D. Ratcliff (Associate Director), Contract No. DE-AC97-83WM46651, released 4/23/84 in transmittal to Jeff Neff, DOE.

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