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WM Project 16
Docket No.
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426.1/B7389/FR/85/07/17

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Distribution:

(Return to WM, 623-SS)

Dr. Roy E. Williams
Williams & Associates Inc.
P.O. Box 48
Viola, ID 83872

DISTRIBUTION:

WM 426.1 s/f MKnapp
NMSS r/f JOBunting
WMGT r/f MJBell
FRoss & r/f REBrowning
MFliegel

Dear Dr. Williams:

The NRC staff has reviewed Williams and Associates' June monthly progress report dated July 2, 1985 (Communication #56). This report describes the status of Williams and Associates' technical assistance to the NRC staff under Contract NRC-02-83-033 (FIN B7389).

Subtasks 1.1, 2.1, 3.1

NRC staff has found satisfactory your list of newly acquired reference documents submitted with your June monthly progress report (Communication # 56).

Attached for your information is a complete current list of Texas Bureau of Economic Geology Open File Reports.

The following TBEG Open File Reports have been mailed to you under separate cover:

- 1) "Core and Sample Analysis of the Dockum Group. DOE-GRUY Federal #1 Grabbe, Swisher County, Texas." TBEG OF-WTWI-1984-45
- 2) "Cyclicity in the Middle Permian San Andres Formation, Palo Duro Basin, Texas Panhandle." TBEG OF-WTWI-1984-21, Revision 1
- 3) "Stratigraphy of Bedded Halite In the Permian San Andres Formation, Units 4 and 5, Palo Duro Basin, Texas." TBEG OF-WTWI-1985-9
- 4) "Hydrology of an Evaporite Aquitard: Permian Evaporite." TBEG OF-WTWI-1984-52
- 5) "Identification of Recharge-Discharge Areas of the Palo Duro Basin, Texas Panhandle." TBEG OF-WTWI-1983-4
- 6) "Geostatistical Analysis of Potentiometric Surface of the San Andres Formation, Texas Panhandle." TBEG OF-WTWI-1984-22
- 7) "Evaluation of Numerical Codes for Fracture Flow Modeling." TBEG OF-WTWI-1985-4
- 8) "Hydrologic Testing In the Salt Dissolution Zone of the Palo Duro Basin, Texas Panhandle." TBEG OF-WTWI-1985-3

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- 9) "Wolfcampian Series Porosity Distribution: Implications for Deep-Basin Ground-Water Flow In the Palo Duro Basin, Texas Panhandle." TBEG OF-WTWI-1984-33. Revision 1
- 10) "Numerical Modeling of Regional Ground-Water Flow in the Deep-Brine Aquifers of the Palo Duro Basin, Texas Panhandle." TBEG OF-WTWI-1984-8, Revision 1
- 11) "Preliminary Results of Porosity and Permeability of Cores From DOE Wells In the Palo Duro Basin, Texas Panhandle." TBEG OF-WTWI-1984-27
- 12) "Vertical Hydraulic Conductivity, Flux, and Flow In the Deep-Basin Brine Aquifer, Palo Duro Basin, Texas." TBEG OF-WTWI-1984-44
- 13) "Hydrodynamic Development of the Palo Duro Basin and Other Mechanisms Creating Possible Transient Flow Conditions." TBEG OF-WTWI-1984-54
- 14) "Evaluation of the J. Friemel #1 Vertical Well Tests, Deaf Smith County, Palo Duro Basin, Texas Panhandle." TBEG OF-WTWI-1984-28

August Data Meeting

As we discussed by telephone, a TBEG-DOE/NRC Geology Data Review meeting at the Texas Bureau of Economic Geology, Austin, Texas will be held August 5-8, 1985. Roy Williams and Gerry Winter of your staff are required to attend. The first four TBEG Open File Reports listed above should be reviewed in preparation for this data review meeting. Attached is a proposed meeting agenda listing major areas for discussion and review. Please note that the meeting will center on examination of geologic rock core materials. Also attached are a draft list of geologic questions to focus our attention during the meeting, and a standard form to record our observations and concerns. Please feel free to add to our list; we have the opportunity to explore as many geologic questions relevant to hydrology as can be developed.

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Contractual

The action taken by this letter is considered to be within the scope of the current contract NRC-02-82-033. No changes to cost or delivery of contracted services and products are authorized. Please notify me immediately if you believe that this letter would result in changes to cost or delivery of contracted products.

Sincerely,

Original Signed By

Fredrick W. Ross, Project Manager
Hydrology Section
Geotechnical Branch
Division of Waste Management

Enclosure:
As stated

cc: Barry Bromberg, TCB

Enclosures available in DCC.

DFC :WMGT	kd :	:	:	:	:	:	:
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