



Department of Energy

Richland Operations Office
P.O. Box 550
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NOV 20 1985

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Mr. John Linehan
U. S. Nuclear Regulatory Commission
Willste Building
7915 Eastern Avenue
Silver Spring, MD 20910

Dear Mr. Linehan:

WM Record File

101.2

WM Project

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Docket No.

PDR

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Distribution:

J. Linehan

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TRANSMITTAL OF BASALT WASTE ISOLATION PROJECT TECHNICAL DOCUMENT RHO-BW-ST-71, *Enclosure*
"HEADCO: A PROGRAM FOR CONVERTING OBSERVED WATER-LEVELS AND PRESSURE
MEASUREMENTS TO FORMATION PRESSURE AND STANDARD HYDRAULIC HEAD" *is a published report.*

Enclosed please find five copies of the subject document. The report is being provided prior to printing and distribution to expedite the exchange of the information. The subject was brought up at the Nuclear Regulatory Commission, May 22, 1985, Hydrology Workshop. The subject is presently not on the agenda for the December 1985 meeting. We can discuss this topic only if time allows.

This report presents a program, HEADCO, for converting static water-level and pressure measurements to formation pressure and standard hydraulic head. The HEADCO program corrects field measurements for the effects of fluid-column density variation and selected external stresses. A program description, and procedures for converting field measurements obtained using field test arrangements commonly employed in the Basalt Waste Isolation Project field program, as well as illustrative test examples, are also provided in the report.

Very truly yours,

O. L. Olson

O. L. Olson, Director
Basalt Waste Isolation Division

BWI:KMT

Enclosures

cc: A. Jelacic, DOE-HQ (w/o encl.)

*Enclosure located
in BWIP Lib # 1971*

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