

JUN 09 1986

~~WM s/f (426.1)~~  
WMGT r/f  
NMSS r/f  
RBrowning  
MBell  
JBunting  
PJustus  
NColeman & r/f  
MFliegel  
PDR  
LPDR (B,N,S)  
EDavis, PPAS  
RCodell, WMGT  
TMcCartin, RES  
Enclosure in DCC

~~426.1/A1158/NMG/86/06/05~~

- 1 -

MEMORANDUM FOR: Frank Costanzi, Chief  
Waste Management Branch  
Division of Radiation Programs

FROM: Philip S. Justus, Acting Chief  
Geotechnical Branch  
Division of Waste Management

SUBJECT: REQUEST FOR REVIEW OF AN LBL DRAFT DOCUMENT ENTITLED  
"TOUGH [CODE] USER'S GUIDE" (LBL-20700)

*Identical memo sent to John Greener*

Enclosed is the final draft of an LBL document that was developed by Karsten Pruess under subcontract to Sandia National Labs (FIN A1158). The purpose of this user's guide is to present a technical description of the TOUGH code, including discussions of the physical processes modeled, governing mass- and energy-balance equations, and mathematical and numerical methods inherent to the code. The user's guide also includes instructions for preparing input decks and presents a number of illustrative problems. This document will be used in conjunction with other support documentation during the planned TOUGH Code Technology Transfer Seminar, currently planned for mid-FY87. This seminar will provide training in the theory and implementation of the TOUGH code for both NRC staff and contractors.

I am requesting your assistance in reviewing this final draft so that we may provide a final set of comments to Sandia. Please provide review comments from cognizant personnel to Neil Coleman by June 20th. He may be contacted at Ext. 74131.

Philip S. Justus, Acting Chief  
Geotechnical Branch  
Division of Waste Management

Enclosure: *(already in PDR)*  
As stated

WM-RES  
WM Record File  
A1158  
SNL

WM Project 10,11,16  
Docket No. \_\_\_\_\_  
PDR   
LPDR B,N,S

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PDR WMRES EXISANL  
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Distribution: \_\_\_\_\_  
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(Return to WM, 623-SS) *es*

DFC : WMGT *NC* : WMGT *MT* : : : : : :  
NAME : NColeman : MFliegel : : : : : :  
DATE : 86/06/09 : 86/06/09 : : : : : :

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