

AUG 16 1985

WM-39/85/08/15

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MEMORANDUM FOR: Phil Justus, Section Leader, WMGT
Division of Waste Management

THRU: Jose Valdes, WMGT
Division of Waste Management

FROM: Robert M. Friedman, WMGT
Division of Waste Management

SUBJECT: UMTRAP SITE REFERENCES

WM Record File

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WM, 623-133

An intensive search was conducted to compile an annotated bibliography of references pertinent to geologic reviews of UMTRAP documents. This search included many hours spent at the libraries of the USGS and the University of Maryland, personnel contacts with persons affiliated with state geological surveys and other State agencies, and contacts made with other federal agencies.

A quantitative analysis of the data available for different sites indicates that there is a considerable amount of variability in terms of quantity and type of information available. For example, there is significant information on the Ambrosia Lake, NM site. This information describes such things as Quaternary and Pliocene faulting, subsurface water conditions and lithologic logs. By contrast only, three references were available for the Maybell, Co site, and two of the references were about 60 years old.

The available geologic data base appears to be minimal for approximately 75% of the sites researched.

The overall lack of adequate geologic information for most of the UMTRAP sites emphasizes the need for site specific geologic studies to meet the objectives of the EPA standards.

RF

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