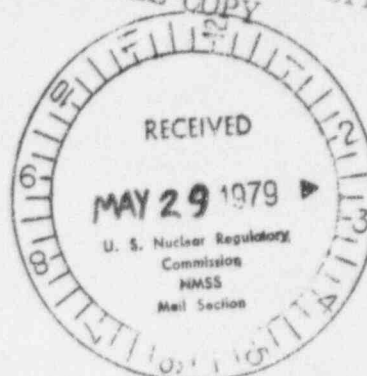


**FOX****Consulting Engineers and Geologists**

F.M. FOX & ASSOCIATES, INC.  
4765 INDEPENDENCE STREET  
WHEAT RIDGE, COLORADO 80033  
(303) 424-5578 — FMFOX

40-4492

REGULATORY OPERATIONS  
FILE COPY



May 16, 1979

Mr. Pete Garcia  
Nuclear Regulatory Commission  
Mail Stop P-396 SS  
Washington, D.C. 20555

Subject: Gradational and Atterberg Limit Specifications for Fill Material  
to be used in the Proposed Extension for Federal-American Partners  
Tailing Dam No. 2, Gas Hills Mining District, Riverton, Wyoming.

Reference: Our Supplemental Geotechnical Investigation and Stability  
Analysis for the Proposed Tailing Dam No. 2, Dated April  
1979, Job No. 1-1371-3765.01.

Our Geotechnical Investigation for the Proposed Extensions of  
Tailing Dams Numbers 1 and 2, Job No. 1-1371-3454.

At your request, we have enclosed a copy of the gradational and Atterberg  
Limit specifications for the fill material to be used in the construction  
of Tailing Dam No. 2 extension. These specifications will be used during  
construction to determine the suitability of the borrow material for  
embankment fill. Borrow material not meeting the enclosed specifications  
will be wasted.

If there are any further questions concerning this matter, do not hesitate  
to contact us.

F. M. FOX &amp; ASSOCIATES, INC.

Donald L. Taylor, Jr.  
Staff Engineer

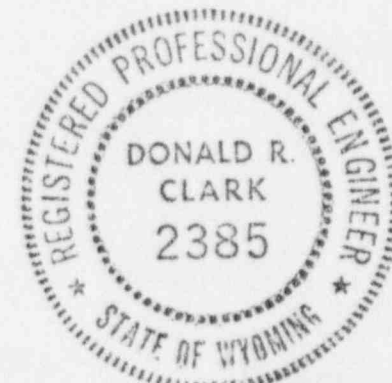
Reviewed by:

Donald R. Clark, P.E.  
Division Manager

Copies: 1-Mr. Floyd Jackson  
2-Mr. Pete Garcia

Enclosures

DLT/ts

**FEE EXEMPT****NRC FILE CENTER COPY**

9504110306 790516  
PDR ADOCK 04004492  
C PDR

ALBUQUERQUE • DENVER • PHOENIX

12998

# MECHANICAL ANALYSIS CHART



Plasticity Index Range: 0-25%

Liquid Limit Range: 0-45%

FILL MATERIAL SPECIFICATIONS FOR TAILING DAM NO. 2

12998

FROM <b>Fox Consulting Engineers Geologists</b>		DATE OF DOCUMENT <b>5/16/79</b>	DATE RECEIVED <b>'29/79</b>	NO <b>12998</b> <b>CC</b>
		LTR <b>X</b>	MEMO	REPORT
		OTHER		
TO <b>Pete Garcia</b>		ORIG. <b>1</b>	CC <b>1</b>	OTHER
		ACTION NECESSARY <input type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED
		NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	BY
CLASSIF <b>un</b>	POST OFFICE <b>REG NO</b>	FILE CODE <b>40-4492</b>		
DESCRIPTION (Must Be Unclassified)		REFERRED TO	DATE	RECEIVED BY
<b>copy of the gradational and Atter- berg Limit Specifications for the fill material to be used in the construction of Tailing Dam no. 2</b> <small>ENCLOSURES</small>		<b>Reg File cy</b>	<b>5/31</b>	
		<b>PCPF (4)</b>		
		<b>I&amp;E (2)</b>		
		<b>PDR</b>		
REMARKS			<b>12998</b>	<b>DLC</b>