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**U. S. Steel
Mining Co., Inc.**

a Subsidiary of United States Steel Corporation

P. O. BOX 807
EAST CARBON, UTAH 84520
801 / 888-4431

File
ACT/007/012
Folder No. 3
Copy to Shannon
Tamp, Rick,
Wayne

WESTERN DISTRICT

August 2, 1983

JIM

AUG 04 1983

Mr. James W. Smith
Coordinator of Mined Land Dev.
State of Utah
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Wellington Coal Cleaning Plant
Technical Revision No. 1
Refuse Pond Modifications

Dear Mr. Smith:

Enclosed are five (5) copies of page 7 and 8 for inclusion in Technical Revision No. 1. These two pages include soil sample information.

Also enclosed is a copy of a letter from the Mine Safety and Health Administration approving the proposed modifications under the requirements of 30 CFR 216. A copy of a letter specifying U. S. Steel Mining Co.'s proposed material testing program (as stipulated in the MSHA letter) is also attached.

Sincerely,

R. E. Yourston
General Superintendent

REY:VRW:cs

Enc.

cc: V. R. Watts
L. King
B. L. Kirkwood
EC File

SOIL SAMPLE INFORMATION

Samples Taken June 8, 1983

<u>Sample No.</u>	<u>Location</u>	<u>Sample Depth Interval</u>
1A	1	0.0 - 0.5 ft.
1B	1	0.5 - 1.0 ft.
1C	1	1.0 - 1.5 ft.
1D	1	1.5 - 2.0 ft.
2A	2	0.0 - 0.5 ft.
2B	2	0.5 - 1.0 ft.
2C	2	1.0 - 1.5 ft.

NOTES:

1. Location 1 - near permanent diversion
2. Location 2 - near Lower Refuse Dike
3. Refer to Map E9-3425 for soil sample locations
4. Field observations indicated that the A soil horizon was less than 6 inches at both Locations.

SOIL SAMPLE ANALYSES

	<u>1A</u>	<u>1B</u>	<u>1C</u>	<u>1D</u>	<u>2A</u>	<u>2B</u>	<u>2C</u>
l - Clay %	5.00	4.60	5.40	1.30	2.50	4.10	3.50
l - Gravel %	<.01	<.01	<.01	<.01	<.01	<.01	<.01
l - Sand %	65.00	66.87	66.90	70.20	75.00	74.10	74.20
l - Silt %	30.00	28.60	27.70	28.50	22.50	21.80	22.30
Acidity as CaCO3 mg/l	120.00	<.01	<.01	<.01	50.00	<.01	<.01
Alkalinity as CaCO3 ppm	640	360	520	520	440	400	480
Calcium as Ca ppm	328.00	160.00	208.00	216.00	240.00	216.00	304.00
Conductivity mmhos/cm	1,450.00	800.00	800.00	800.00	1,100.00	1,050.00	1,200.00
Magnesium as Mg ppm	57.60	33.60	43.20	67.20	48.00	28.80	81.60
Phosphorus as P ppm	6.90	5.10	4.80	3.80	4.20	3.80	4.20
Sodium Absorption Ratio	5.048	9.233	6.922	5.881	5.951	7.126	5.234
Sodium as Na ppm	377	492	420	386	386	420	398
Texture	Sandy						
Total Kjeldahl Nitrogen ppm	.36	1.15	.65	.91	.89	1.05	.80
pH Units (1:1 Ratio) SM424	7.40	8.30	8.40	8.30	7.80	8.20	8.40

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Acidity as CaCO ₃ mg/l	120.00	<.01	<.01	<.01	50.00	<.01	<.01
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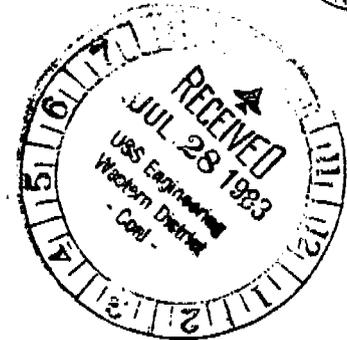
	<u>1A</u>	<u>1B</u>	<u>1C</u>	<u>1D</u>	<u>2A</u>	<u>2B</u>	<u>2C</u>
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U. S. Department of Labor

Mine Safety and Health Administration
P.O. Box 25367
Denver, Colorado 80216



Coal Mine Safety & Health
District 9



July 26, 1983

Mr. Glen Sides
Chief Engineer
U.S. Steel Mining Co., Inc.
P.O. Box 807
East Carbon, UT 84520

Re: Proposed Modifications to Refuse Dikes,
Wellington Preparation Plant, I.D. #42-00099

Dear Mr. Sides:

The proposed modifications to the Lower Refuse Dike, I.D. #1211-UT-9-0013 and the Upper Refuse Dike, I.D. #1211-UT-9-0014, which were submitted on May 20, 1983, have been approved with the stipulation that a field quality control testing program be established and followed during the construction of the modifications. This testing program must be submitted in writing and approved by this office. Please contact MSHA engineer Larry Wilson or Dawn Jacoby at 303/234-2358 concerning the details of this program.

Sincerely,


John W. Barton
District Manager



**U. S. Steel
Mining Co., Inc.**

a Subsidiary of United States Steel Corporation

P. O. BOX 807
EAST CARBON, UTAH 84520
801 / 888-4431

WESTERN DISTRICT

August 1, 1983

Mr. John W. Barton
District Manager
Mine Safety and Health Administration
P. O. Box 25367
Denver, Colorado 80225

Attn: Harold Dolan
Engineering Coordinator

Re: Proposed Modifications to
Refuse Dikes - Wellington
Coal Preparation Plant
ID No. 42-00099

Dear Mr. Barton:

At the present, U. S. Steel Mining Co. plans to retain Rollins, Brown and Gunnell, Inc. to monitor the refuse dike modifications during construction. Rollins, Brown and Gunnell will be required to verify that the dam is properly constructed according to the recommendations contained in their March 1983 report. Material density will be measured a minimum of once every 2,000 cubic yards.

Sincerely,

G. H. Sides
Chief Engineer

GHS:VRW:cs

cc: V. R. Watts
Div. of Oil, Gas & Mining