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U. S. Steel Mining Co., Inc.

a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

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

November 2, 1983

File ACT/007/012
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Department of Natural Resources
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attn: James W. Smith, Jr.
Coordinator of Mined
Land Development

Re: Wellington Coal Cleaning
Plant - ACT/007/012

Dear Mr. Smith:

Seven copies of the refuse sample analysis are enclosed. These should be inserted as page E-3 in Appendix E of the Operation and Reclamation Plan.

Sincerely,

R. E. Yourston
General Superintendent

REY:VRW:cs

Enc.

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

WELLINGTON COAL CLEANING PLANT

Refuse Sample Analysis

	<u>Slurry Pond Fine Refuse</u>	<u>Slurry Pond Coarse Refuse</u>	<u>Refuse Pile Coarse Refuse</u>
% Clay	<0.01	2.50	1.50
% Coal	91.40	86.90	<0.01
% Gravel	<0.01	<0.01	83.50
% Sand	5.20	8.40	2.50
% Silt	3.40	2.20	12.50
pH Initial Units	8.30	7.60	8.40
Acidity as CaCO ₃ PPM	<0.01	<0.01	<0.01
Alkalinity as CaCO ₃ PPM	156	136	142
Calcium as Ca PPM	1,190.00	2,670.00	76.00
Conductivity mmhos/cm	900.00	860	250.00
Magnesium as Mg PPM	595.0	675.00	18.20
% Saturation	31.40	30.66	20.40
Sodium Absorption Ratio	12.414	2.306	33.973
Sodium as Na, PPM	2,100	515	1,270
Texture	Fine Coal	Fine Coal	Gravel
Total Dissolved Solids mg/l	12,660	10,680	7,040

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