[redacted]

LABORATORY TEST REPORT

TEST NO: S-67-30

NAME: [redacted]

DATE: [redacted]

MATERIAL: Slag Waste Material

OBJECTIVE: Remove metal from other waste non-metallics.

Head Feed Bulk Density 98#F^3

ROTAP SCREEN ANALYSIS

SCREEN FRACTION	RETAINED % BY WT.	CUMULATIVE % PASSING
8	1.8	98.2
10	.8	97.4
14=	1.0	96.4
20	1.1	95.3
28	2.5	92.8
35	5.0	87.8
48	9.7	78.1
65	11.8	66.3
80	9.0	57.3
100	8.3	49.0
Pan	49.0	0

RUN #1, INCLINED VIBRATING SCREEN, 8,10,30,50 and 80 MESH CLOTH

SCREEN FRACTION		% BY WEIGHT	DESCRIPTION
	+ 8	1.5	Regrind
- 8	+ 10	1.4	Gravity
- 10	+ 30	3.8	Gravity
- 30	+ 50	15.3	Gravity
- 50	+ 80	30.0	Gravity
- 80		48.0	Gravity

Note: Insufficient material to run the - 8 + 10 size on the Gravity Table.

RUN #2, V-135, OA COPPER, W/R, -10 + 30 MESH MATERIAL FROM RUN #1

SAMPLE	% BY WT.	DESCRIPTION
1	24.0	Heavy
2	7.3	Middling
3	68.7	Light

RUN #3, V-135, 65 COUNT W/R, -30 + 50 MESH MATERIAL FROM RUN #1

SAMPLE	% BY WT.	DESCRIPTION
4	20.7	Heavy
5	70.2	Middling

Note: Sample #6 light end material can be fed onto another table and a line of material is recoverable.

6	6.6	Light
7	2.5	Cyclone

RUN #4, V-135, MICRO-AIRE W/R, -50 + 80 MESH MAT ERIAL FROM RUN #1

SAMPLE	% BY WT.	DESCRIPTION
8	31.7	Heavy
9	5.0	Middling
10	63.3	Light

RUN #5, V-135, MICRO-AIRE, W/R, -80 MESH MATERIAL FROM RUN #1

SAMPLE	% BY WT.	DESCRIPTION
11	15.4	Heavy
12	6.9	Middling
13	77.7	Light

NOTE: Samples #10 and #13 can be recycled on another Gravity Table, and a recovery of material is possible. Also dust hoods are necessary on all Tables from -30 mesh material down.