APPENDIX J

TRAFFIC NOISE ANALYSIS

Appendix J

Project-Generated Haul Truck Trip Source Noise Prediction Model

Syar Industries-Instream Mining Project

Assumptions:

Mean SEL Reference Level	84.0	84.0
Assumed Haul Truck Speed (mph)	15.0	15.0
Number of Hours for Hauling per Day	12.0	12.0
Number of Trips per Hour-one way	40.0	80.0
Leq for Haul Trips at 50 feet	56.6	59.6

		Resulting Noise Level (dBA, L_{eq})[1]	
Receptor[2]	Distance (feet)[2]	40 Trips per Hour	80 Trips per Hour
A	585	40.6	43.6
B	760	38.8	41.9
C	385	43.3	46.3
D	130	50.4	53.4
E	80	53.5	56.5
F	60	55.4	58.4
G	90	52.7	55.8
H	85	53.1	56.1
I	45	57.3	60.3
J	175	48.4	51.4
K	175	48.4	51.4
L	160	49.0	52.0
M	115	51.2	54.2
N	95	52.4	55.4
O	75	53.9	56.9
P	150	49.4	52.4
Q	170	48.6	51.6
R	120	50.9	53.9
S	180	48.2	51.2
T	325	44.4	47.4
U	1050	36.7	39.8
V	390	43.2	46.2
W	135	50.1	53.1
X	210	47.2	50.2
Y	100	52.1	55.1
Z	85	53.1	56.1
CC	100	52.1	55.1
DD	320	44.5	47.5
EE	220	46.9	49.9

Sources:

[1] Based the Federal Transit Noise and Vibration Impact Assessment, 2006.

[2] Based on Figures 3.7-1 through 3.7-3