

## **Appendix 7: Noise Model Input Data**

## Woodsmith Mine Plant and Equipment

Equipment	Number of Plant	Noise Level LwA (dB)	On-Time (%)		
			Day	Evening	Night
Slurry Pump	12	85.0	90	90	90
Desander BD90	1	88.0	90	90	90
Desander BD90	2	88.0	90	-	-
Dewatering Generator	2	90.2	100	100	100
Generator (Hyundai DHY22KSE)	10	90.2	20	-	-
Water Supply Pump Generator (Hyundai DHY22KSE)	1	90.2	70	70	70
Flush Suction Pump (Selwood S150 Super Silent)	1	92.0	100	100	100
Bentonite Plant Desander	2	92.0	100	-	-
Security Generator	1	93.0	100	100	100
Wheel Wash Generator	1	93.0	20	0	0
Concrete Batch Plant Welfare 350kVA Generator	1	95.0	100	0	0
D-walling Welfare 350kVA Generator	1	95.0	100	100	100
350kVA Generator	1	95.0	100	100	100
MEWP (BS5228 C4.57)	1	95.0	25	-	-
MEWP (BS5228 C4.57)	1	95.0	100	-	-
MEWP (BS5228 C4.57)	1	95.0	25	25	25
Dewatering Pump (Selwood H80 Super Silent)	1	96.0	100	-	-
Compressor	2	97.0	25	25	25
Dewatering Compressor	1	97.0	100	-	-
10kVA Generator	1	97.0	100	-	-
Batch Plant Processing Equipment	2	97.8	100	-	-
Batch Plant Gravel Discharging	1	99.8	100	-	-
Batch plant weigher belt	1	100.4	100	-	-
Excavator bentonite plant (CAT 316F L)	1	102.0	100	-	-
Batch plant double shaft mixer	1	102.6	100	-	-
Excavators 20T CAT 320 or similar	3	103.0	100	-	-
Excavators 30T CAT 320 or similar	13	103.0	100	-	-
Batch plant Generator	1	103.3	100	-	-
D-walling 1 MVA Generator	2	103.3	100	100	100
Mobile Crane 73t	2	104.0	100	-	-
Bentonite Desander	1	104.0	100	100	100
Bentonite Desander	2	104.0	100	-	-
Telescopic Boom Lift (JLG 600S)	1	104.0	100	-	-
D-walling Crane (Liebherr 160t LR1160)	2	105.0	100	100	100
8m3 Concrete Truck Discharging	7	106.0	25	-	-
D-walling Concrete Truck Discharging	1	106.0	17	17	17
Dozer	1	109.0	100	-	-
Front end Loader (CAT966M)	1	109.0	100	-	-
PS Drill Rig	1	109.0	100	100	100
Poker Vibrator	3	110.0	25	-	-
D-walling Crane (Kobelco CKE900G)	3	110.0	100	-	-

Equipment	Number of Plant	Noise Level LwA (dB)	On-Time (%)		
			Day	Evening	Night
D-walling Crane	1	110.0	100	100	100
Dump Truck Tipping	3	110.0	3	-	-
Recharge Platform Tipping	1	110.0	100	-	-
Wacker Plate	3	111.0	25	-	-
D-walling Rig MC96	1	112.0	100	-	-
D-walling Rig MC96	1	112.0	100	100	100
Dewatering Well Drill	1	113.0	100	-	-
Dozer	2	113.0	100	-	-
Petrol Cutter	3	115.0	25	-	-
D-walling Rig MC128	1	117.0	100	-	-

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