

**TABLES**

Table A1: Facility Source Summary

Source ID	Source Description	Overall Daytime Sound Power Level (dBA)	Overall Evening Sound Power Level (dBA)	Overall Night-time Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
FP001	Fire Pump Exhaust Stack	110	110	110	O	S	U
GP001	Generator Exhaust Stack	111	111	111	O	S	U
SSP003	B&G Exhaust	88	88	88	O	S	U
SSP004	B&G Exhaust	88	88	88	O	S	U
SSP005	B&G Exhaust	88	88	88	O	S	U
SSP006	B&G Exhaust	88	88	88	O	S	U
SSP007	B&G Exhaust	88	88	88	O	S	U
SSP008	Transformer	89	89	89	O	T	U
SSP012	Meshing Wall Exhaust	88	88	88	O	S	U
SSP013	Meshing Wall Exhaust	88	88	88	O	S	U
SSP014	Tunnel Building Exhaust	88	88	88	O	S	U
SSP015	Tunnel Building Exhaust	88	88	88	O	S	U
SSP016	New Office Exhaust	88	88	88	O	S	U
SSP017	New Office RTU	80	80	80	O	S	U
SSP018	New Office RTU	80	80	80	O	S	U
SSP019	New Office Exhaust	88	88	88	O	S	U
SSP020	New Office RTU	80	80	80	O	S	U
SSP021	Office HVAC9306	88	88	88	O	S	U
SSP022	Office Exhaust 9040.30	84	84	84	O	S	U
SSP023	Office Exhaust 9040.31	84	84	84	O	S	U
SSP024	Meshing Wall Exhaust	88	88	88	O	S	U
SSP025	Meshing Wall Exhaust	88	88	88	O	S	U
SSP026	Meshing Wall Exhaust	88	88	88	O	S	U
SSP027	Tunnel Building Exhaust	88	88	88	O	S	U
SSP028	Cement Truck Blower	108	108	108	O	S	U
SSP029	Tunnel Building Exhaust	88	88	88	O	S	U
SSP030	Tunnel Building Exhaust	88	88	88	O	S	U
SSP031	Tunnel Building Exhaust	88	88	88	O	S	U
SSP032	Tunnel Building Exhaust	88	88	88	O	S	U
SSP034	Transformer	89	89	89	O	T	U
SSP035	VUP Exhaust 9040.10	82	82	82	O	S	U
SSP036	VUP RTU	77	77	77	O	S	U
SSP040	Exhaust 9040.03	105	105	105	O	S	U
SSP041	Exhaust 9040.12	76	76	76	O	S	U
SSP042	Exhaust 9040.04	84	84	84	O	S	U
SSP043	Cafe HVAC	80	80	80	O	S	U
SSP044	Exhaust 9040.13	76	76	76	O	S	U
SSP045	Sidewall Side Exhaust 9040.16	78	78	78	O	S	U
SSP046	RTU	77	77	77	O	S	U
SSP047	Cafe HVAC 2	89	89	89	O	S	U
SSP048	Cafe HVAC 3	75	75	75	O	S	U
SSP049	Exhaust	82	82	82	O	S	U
SSP050	Cafeteria Exhaust 9040.02	89	89	89	O	S	U
SSP051	Exhaust 9040.14	84	84	84	O	S	U
SSP052	Exhaust 9040.15	84	84	84	O	S	U
SSP053a	Cement Truck Blower	108	108	108	O	S	U
SSP053b	Cement Truck Blower	108	108	108	O	S	U
SSP054	Sidewall Side Exhaust 9040.18	78	78	78	O	S	U
SSP055	Sidewall Side Exhaust 9040.19	78	78	78	O	S	U
SSP056	Sidewall Side Exhaust 9040.20	78	78	78	O	S	U
SSP057	Exhaust	86	86	86	O	S	U
SSP058	New Welding Fume Hood Exhaust	90	90	90	O	S	U
SSP059	New Welding Fume Hood Exhaust	90	90	90	O	S	U
SSP060	Chiller Fan #1	83	83	83	O	S	U
SSP061	Chiller Fan #2	83	83	83	O	S	U
SSP062	Chiller Fan #3	83	83	83	O	S	U
SSP063	Chiller Fan #4	83	83	83	O	S	U
SSP064	Chiller Fan #5	83	83	83	O	S	U
SSP065	Sidewall Side Exhaust 9040.29	78	78	78	O	S	U
SSP066	Side Wall Exhaust Fan	78	78	78	O	S	U
SSP067	Exhaust 9040.05	85	85	85	O	S	U

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Source ID	Source Description	Overall Daytime Sound Power Level (dBA)	Overall Evening Sound Power Level (dBA)	Overall Night-time Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
SSP068	Kiln Exhaust 9040.06	84	84	84	O	S	U
SSP069	Mud Room Dust Collector 9318	94	94	94	O	S	U
SSP070	Forklift - Coring	98	98	98	O	S	U
SSP071	Sidewall Side Exhaust 9040.17	78	78	78	O	S	U
SSP072	Sidewall Side Exhaust 9040.21	78	78	78	O	S	U
SSP073	RTU	77	77	77	O	S	U
SSP074	RTU	77	77	77	O	S	U
SSP075	Packer Head Exhaust	78	78	78	O	S	U
SSP076	Sidewall Side Exhaust 9040.28	78	78	78	O	S	U
SSP077	Sidewall Side Exhaust 9040.22	78	78	78	O	S	U
SSP078	Exhaust 9040.25	84	84	84	O	S	U
SSP079	Exhaust	84	84	84	O	S	U
SSP080	Sidewall Side Exhaust 9040.27	78	78	78	O	S	U
SSP081	Sidewall Side Exhaust 9040.26	78	78	78	O	S	U
SSP082a	Pangborn Dust Collector Exhaust	94	94	94	O	S	U
SSP082b	Pangborn Dust Collector	93	93	93	O	S	U
SSP083a	Praxair Dust Collector Exhaust	87	87	87	O	S	U
SSP083b	Praxair Dust Collector	87	87	87	O	S	U
SSP086	D15 - Sidewall Exhaust	69	69	69	O	S	U
SSP087	D16 - Sidewall Exhaust	69	69	69	O	S	U
SSP088a	Plasma Dust Collector Exhaust	90	90	90	O	S	U
SSP088b	Plasma Dust Collector	95	95	95	O	S	U
NGP01	Administration Office Natural Gas Stand-By Generator - RG022	95	95	95	O	S	U
NGP02	Plant Office Natural Gas Stand-By Generator - Kohler 38kW	86	86	86	O	S	U
IP003	Plasma Dust Collector Pulse-Jet Cleaning	120	120	120	O	S	U
IP004	Pangborn Dust Collector Pulse-Jet Cleaning	120	120	120	O	S	U
IP005	Praxair Dust Collector Pulse-Jet Cleaning	113	113	113	O	S	U
CR101	Crusher	115	115	115	O	S	U
CR102	Excavator	103	103	103	O	S	U
CR103	Screen	119	119	119	O	S	U
CR104	Conveyor_1	100	100	100	O	S	U
CR105	Conveyor_2	100	100	100	O	S	U
CR206	Dozer	110	110	110	O	S	U
CR207	Front Wheel Loader	113	113	113	O	S	U
SSL001a	Finished Product Shipping (North Entrance)	102	102	102	O	S	U
SSL001b	Finished Product Shipping (South Entrance / Gatehouse)	100	—	100	O	S	U
SSL002a	CAT DP150 or equivalent - Pipe & Gravity Products	98	—	—	O	S	U
SSL002b	Taylor 330 or equivalent - Pipe & Gravity Products	104	—	—	O	S	U
SSL002c	Taylor 400 or equivalent - Pipe & Gravity Products	107	—	—	O	S	U
SSL004a	Taylor 330 or equivalent - Pressure Pipe Area (Storage)	104	—	—	O	S	U
SSL004b	Taylor 400 or equivalent - Pressure Pipe Area (Storage)	107	—	—	O	S	U

**Table A1: Facility Source Summary**

Source ID	Source Description	Overall Daytime Sound Power Level (dBA)	Overall Evening Sound Power Level (dBA)	Overall Night-time Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
SSL006a	Aggregate Delivery - South Batch Plant	100	—	—	O	S	U
SSL006b	Cement Delivery - South Batch Plant	100	—	—	O	S	U
SSL007a	Aggregate Delivery - North Batch Plant	100	—	—	O	S	U
SSL007b	Cement Delivery - North Batch Plant	100	—	—	O	S	U
SSL008a	CAT DP150 or equivalent - Engineered Precast & Gravity Loading	—	98	98	O	S	U
SSL008b	Taylor 330 or equivalent - Engineered Precast & Gravity Loading	—	104	104	O	S	U
SSL008c	Taylor 400 or equivalent - Engineered Precast & Gravity Loading	—	107	107	O	S	U
SSL009_1a	Taylor 330 or equivalent - Custom Gravity & Pressure Pipe	104	—	—	O	S	U
SSL009_1b	Taylor 400 or equivalent - Custom Gravity & Pressure Pipe	107	—	—	O	S	U
SSL009_2a	Taylor 330 or equivalent - Custom Gravity & Pressure Pipe - South Route	104	—	—	O	S	U
SSL009_2b	Taylor 400 or equivalent - Custom Gravity & Pressure Pipe - South Route	107	—	—	O	S	U
SSL010	Rebar Delivery Trucks	100	—	—	O	S	U
SSL011a	CAT DP150 or equivalent - Stripping Gravity Products	98	98	98	O	S	U
SSL011b	Taylor 330 or equivalent - Stripping Gravity Products	104	104	104	O	S	U
SSL011c	Taylor 400 or equivalent - Stripping Gravity Products	107	107	107	O	S	U
SSL012a	CAT DP150 or equivalent - Engineered Precast & Gravity Products Stripping	98	98	98	O	S	U
SSL012b	Taylor 330 or equivalent - Engineered Precast & Gravity Products Stripping	104	104	104	O	S	U
SSL012c	Taylor 400 or equivalent - Engineered Precast & Gravity Products Stripping	107	107	107	O	S	U
SSL013a	CAT DP150 or equivalent - South Area Pressure Pipe for Stripping	98	98	98	O	S	U
SSL013b	Taylor 330 or equivalent - South Area Pressure Pipe for Stripping	104	104	104	O	S	U
SSL013c	Taylor 400 or equivalent - South Area Pressure Pipe for Stripping	107	107	107	O	S	U
SSL014a	CAT DP150 or equivalent - Gravity Products Stripping	—	98	98	O	S	U
SSL014b	Taylor 330 or equivalent - Gravity Products Stripping	—	104	104	O	S	U
SSL014c	Taylor 400 or equivalent - Gravity Products Stripping	—	107	107	O	S	U
SSL015	Oversized Products Shipping	107	—	—	O	S	U
SSL016a	Mi-Jack (MJ100) - Engine Exhaust Stack	116	116	116	O	S	U
SSL016b	Mi-Jack (MJ100) - Engine Louvers	103	—	—	O	S	U
SSL017	Mi-Jack (MJ70) - Engineered Precast Area	110	110	110	O	S	U

**Table A1: Facility Source Summary**

Source ID	Source Description	Overall Daytime Sound Power Level (dBA)	Overall Evening Sound Power Level (dBA)	Overall Night-time Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
SSL018	Water / Salt Truck	109	109	109	O	S	U
SSL019	Wheel Loader	103	—	—	O	S	U
FPV001	Fire Pump Louver	112	112	112	O	S	U
FPV002	Fire Pump Louver	112	112	112	O	S	U
GV001	Generator Doorway	107	107	107	O	S	U
SSV001	North Louver Bridges&Girder	91	91	91	O	S	U
SSV002	Meshing BayDoor2	93	93	93	O	S	U
SSV003	North Louver Bridges&Girder	91	91	91	O	S	U
SSV004	Bridges and Girder North Bay Door	103	103	103	O	S	U
SSV005	Bridges and Girders North Bay Door	103	103	103	O	S	U
SSV006	East Louver Bridges&Girder	87	87	87	O	S	U
SSV007	Bridges and Girders East Bay Door 2 Open	103	103	103	O	S	U
SSV008	Bridges and Girders East Bay Door	103	103	103	O	S	U
SSV009	Meshing BayDoor1	85	85	85	O	S	U
SSV010	North Bay Door Tunnel open	97	97	97	O	S	U
SSV011	South Bay Door Tunnel Open	106	106	106	O	S	U
SSV012	South Bay Door Tunnel open	97	97	97	O	S	U
SSV013	South Bay Door Tunnel open	97	97	97	O	S	U
SSV014	Baydoor #26 Closed	84	84	84	O	S	U
SSV015	Baydoor #24	90	90	90	O	S	U
SSV016	Mudroom Door #7	98	98	98	O	S	U
SSV017	Baydoor #19 DT	106	106	106	O	S	U
SSV018	Baydoor #18 DT	108	108	108	O	S	U

Note 1: If a source has tonal characteristics, the tonal penalty is not included in the Sound Power Level

Note 2: Sound Power Levels do not include time weighting

**NOISE SOURCE SUMMARY TABLE NOMENCLATURE**

**Source Location**

O - located/installed outside the building, including on the roof  
 I - located/installed inside the building

**Sound Characteristics**

S - Steady  
 Q - Quasi Steady Impulsive  
 I - Impulsive  
 B - Buzzing  
 C - Cyclic

**Noise Control Measures**

S - Silencer, Acoustic Louver, Muffler  
 A - Acoustic Lining, Plenum  
 B - Barrier, Berm, Screening  
 L - Lagging  
 E - Acoustic Enclosure  
 O - Other  
 U - Uncontrolled

Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	POR001			POR002			POR003							
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)			
SSP003	653	13	13	633	14	14	722	0	663	0	0	841	0	0
SSP004	649	13	13	628	14	14	732	0	0	0	0	844	0	0
SSP005	647	13	13	626	14	14	737	0	0	0	0	845	0	0
SSP006	646	13	13	625	14	14	740	0	0	0	0	846	0	0
SSP007	644	13	13	623	14	14	746	0	0	0	0	848	0	0
SSP008	673	20	20	652	20	20	695	20	20	20	20	826	23	23
SSP009	690	0	0	669	1	1	681	18	18	18	18	807	16	16
SSP010	723	0	0	702	0	0	653	18	18	18	18	773	17	17
SSP011	686	12	12	665	13	13	768	11	11	11	11	819	11	11
SSP012	698	12	12	677	13	13	780	11	11	11	11	808	11	11
SSP013	767	11	11	746	12	12	595	3	3	3	3	744	0	0
SSP014	765	2	2	744	2	2	598	0	0	0	0	744	0	0
SSP015	765	1	1	744	1	1	600	0	0	0	0	743	0	0
SSP016	764	11	11	743	12	12	600	0	0	0	0	743	0	0
SSP017	781	2	2	760	2	2	583	10	10	10	10	729	8	8
SSP018	796	0	0	775	0	0	570	4	4	4	4	712	1	1
SSP019	805	7	7	784	6	6	560	16	16	16	16	705	14	14
SSP020	811	7	7	790	6	6	556	17	17	17	17	696	15	15
SSP021	740	0	0	720	0	0	639	18	18	18	18	755	17	17
SSP022	757	0	0	736	0	0	625	19	19	19	19	738	17	17
SSP023	772	0	0	752	0	0	613	19	19	19	19	722	18	18
SSP024	772	0	0	752	0	0	613	19	19	19	19	722	18	18
SSP025	751	0	0	730	0	0	671	4	4	4	4	742	0	0
SSP026	756	14	14	738	14	14	676	14	14	14	14	739	16	16
SSP027	748	0	0	728	0	0	684	3	3	3	3	747	5	5
SSP028	744	0	0	723	0	0	709	12	12	12	12	757	12	12
SSP029	742	0	0	721	0	0	728	12	12	12	12	765	9	9
SSP030	730	12	12	710	12	12	748	0	0	0	0	781	0	0
SSP031	817	0	0	796	0	0	590	5	5	5	5	675	1	1
SSP032	811	1	1	791	1	1	611	14	14	14	14	680	13	13
SSP033	810	0	0	790	0	0	621	8	8	8	8	682	7	7
SSP034	837	19	19	817	19	19	582	36	36	36	36	654	36	36
SSP035	835	0	0	815	0	0	594	8	8	8	8	657	3	3
SSP036	846	0	0	826	0	0	570	16	16	16	16	645	16	16
SSP037	858	0	0	837	0	0	553	11	11	11	11	634	10	10
SSP038	851	0	0	830	0	0	585	8	8	8	8	642	3	3
SSP039	841	2	2	820	2	2	642	0	0	0	0	663	0	0
SSP040	858	0	0	837	0	0	590	8	8	8	8	636	3	3
SSP041	875	3	3	854	2	2	541	23	23	23	23	617	22	22
SSP042	861	0	0	860	0	0	538	6	6	6	6	611	6	6
SSP043	886	0	0	865	0	0	535	15	15	15	15	606	14	14
SSP044	895	6	6	875	5	5	531	22	22	22	22	596	21	21
SSP045	890	7	7	870	7	7	571	16	16	16	16	604	16	16
SSP046	889	7	7	868	7	7	579	16	16	16	16	608	16	16
SSP047	866	12	12	845	12	12	604	17	17	17	17	632	29	29
SSP048	869	12	12	845	12	12	604	17	17	17	17	632	29	29
SSP049	889	2	2	868	2	2	601	0	0	0	0	613	0	0
SSP050	886	2	2	866	2	2	627	0	0	0	0	625	0	0
SSP051	883	2	2	863	2	2	663	0	0	0	0	642	0	0
SSP052	920	0	0	899	0	0	537	18	18	18	18	573	17	17
SSP053	930	6	6	909	6	6	525	23	23	23	23	563	22	22
SSP054	933	7	7	912	6	6	523	23	23	23	23	560	22	22
SSP055	922	0	0	901	0	0	544	16	16	16	16	572	15	15
SSP056	923	0	0	903	0	0	543	16	16	16	16	571	15	15
SSP057	925	0	0	904	0	0	542	16	16	16	16	569	15	15
SSP058	926	0	0	906	0	0	542	16	16	16	16	568	15	15
SSP059	928	0	0	907	0	0	541	16	16	16	16	567	15	15
SSP060	926	0	0	905	0	0	547	0	0	0	0	569	0	0
SSP061	937	0	0	916	0	0	542	0	0	0	0	559	0	0

Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	POR001			POR002			OPOR002			POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)		
SSP067	949	5	5	928	4	4	501	18	18	16	18	18	18
SSP068	956	2	2	935	1	1	518	18	18	14	14	18	18
SSP069	951	6	6	931	6	6	541	5	5	6	6	5	5
SSP070	953	1	1	972	0	0	479	26	26	7	7	26	26
SSP071	912	1	1	891	2	2	580	11	11	350	7	10	10
SSP072	909	1	1	889	2	2	670	0	0	640	0	0	0
SSP073	930	0	0	910	0	0	588	8	8	6	6	8	8
SSP074	928	0	0	908	0	0	601	7	7	601	6	8	8
SSP075	942	0	0	922	0	0	597	10	10	567	7	10	10
SSP076	951	0	0	931	0	0	570	11	11	541	7	11	11
SSP077	942	0	0	922	0	0	648	0	0	619	0	0	0
SSP078	962	0	0	941	0	0	601	16	16	572	13	16	16
SSP079	969	0	0	949	0	0	622	16	16	584	13	16	16
SSP080	983	0	0	962	0	0	561	10	10	532	7	11	11
SSP081	981	0	0	961	0	0	575	11	11	547	7	11	11
SSP082a	967	0	0	967	0	0	587	23	23	559	22	25	25
SSP082b	987	0	0	966	0	0	590	26	26	561	25	26	26
SSP083a	985	0	0	965	0	0	594	12	12	566	10	12	12
SSP083b	986	0	0	966	0	0	592	18	18	564	15	18	18
SSP086	974	0	0	953	0	0	513	2	2	484	1	2	2
SSP087	975	0	0	954	0	0	507	2	2	478	1	2	2
SSP088a	988	0	0	967	0	0	581	19	19	553	18	18	18
SSP088b	988	0	0	967	0	0	583	25	25	555	23	25	25
CR101	175	40	40	157	40	40	1213	36	36	1184	36	29	29
CR102	170	38	38	152	38	38	1228	24	24	1200	21	18	18
CR103	180	40	40	161	40	40	1199	38	38	1171	37	30	30
CR104	173	19	19	153	19	19	1204	21	21	1176	19	14	14
CR105	188	25	25	168	25	25	1194	21	21	1166	19	14	14
SSL001a	373 / 728	16	16	352 / 708	27	16	765 / 993	24	12	735 / 965	23	12	12
SSL001b	866 / 1076	8	4	847 / 1055	8	0	437 / 805	22	0	409 / 776	21	0	19
SSL002a	376 / 730	17	0	356 / 713	17	0	639 / 1114	15	0	612 / 1084	14	0	0
SSL002b	376 / 730	26	0	356 / 713	25	0	639 / 1114	23	0	612 / 1084	22	0	0
SSL002c	376 / 730	26	0	356 / 713	25	0	639 / 1114	24	0	612 / 1084	22	0	0
SSL004a	788 / 880	9	9	768 / 860	9	9	709 / 901	6	6	679 / 872	5	5	5
SSL004b	788 / 880	12	12	768 / 860	12	12	709 / 901	9	9	679 / 872	8	8	8
SSL006a	373 / 857	17	0	352 / 837	17	0	631 / 993	13	0	601 / 964	12	0	0
SSL006b	373 / 857	17	0	352 / 837	17	0	631 / 993	13	0	601 / 964	12	0	0
SSL007a	373 / 766	17	0	353 / 746	17	0	680 / 993	13	0	650 / 964	12	0	0
SSL007b	373 / 766	17	0	352 / 746	17	0	680 / 993	13	0	650 / 965	12	0	0
SSL008a	452 / 621	12	12	434 / 601	12	12	772 / 1108	11	6	743 / 1078	10	6	6
SSL008b	452 / 621	0	17	434 / 601	0	17	772 / 1108	12	12	743 / 1078	11	12	12
SSL008c	452 / 621	0	20	434 / 601	0	20	772 / 1108	15	15	743 / 1078	14	15	15
SSL009_1a	903 / 1005	0	0	882 / 984	0	0	468 / 560	17	0	438 / 530	16	0	0
SSL009_1b	903 / 1005	0	0	882 / 984	0	0	468 / 560	20	0	438 / 530	19	0	0
SSL009_2a	966 / 1076	1	1	966 / 1065	1	1	437 / 647	22	0	409 / 618	18	0	0
SSL009_2b	966 / 1076	1	1	966 / 1065	1	1	437 / 647	22	0	409 / 618	21	0	0
SSL010	662 / 936	3	3	642 / 915	3	3	455 / 701	18	0	425 / 673	18	0	0
SSL011a	766 / 840	12	12	746 / 820	12	12	689 / 740	11	11	639 / 710	10	5	5
SSL011b	766 / 840	19	19	746 / 820	19	19	689 / 740	18	18	639 / 710	17	12	12
SSL011c	766 / 840	19	19	746 / 820	19	19	689 / 740	18	18	639 / 710	17	13	13
SSL012a	609 / 673	15	15	589 / 652	15	15	740 / 818	5	5	710 / 788	5	8	8
SSL012b	609 / 673	21	21	589 / 652	21	21	740 / 818	12	12	710 / 788	10	15	15
SSL012c	609 / 673	22	22	589 / 652	22	22	740 / 818	14	14	710 / 788	13	16	16
SSL013a	861 / 961	8	8	843 / 941	8	8	665 / 902	4	4	637 / 873	4	14	14
SSL013b	861 / 961	13	13	843 / 941	13	13	665 / 902	11	11	637 / 873	10	18	18
SSL013c	861 / 961	15	15	843 / 941	15	15	665 / 902	12	12	637 / 873	11	20	20
SSL014a	652 / 1034	2	2	631 / 1013	2	2	448 / 710	0	18	419 / 682	0	18	18
SSL014b	652 / 1034	10	10	631 / 1013	10	10	448 / 710	0	25	419 / 682	0	24	24

Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	POR001			POR001			POR001			POR002			POR002			POR003				
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)				
SSL014c	652 / 1034	11	11	11	631 / 1013	29	29	29	448 / 710	0	26	26	419 / 682	0	25	25	458 / 850	0	26	26
SSL015	93 / 364	29	0	0	91 / 344	29	0	0	1003 / 1320	16	0	0	974 / 1293	14	0	0	1127 / 1480	10	0	0
SSL016a	257 / 605	41	0	0	236 / 585	41	0	0	766 / 1105	36	0	0	737 / 1076	34	0	0	889 / 1239	33	0	0
SSL016b	257 / 606	23	0	0	236 / 586	23	0	0	766 / 1105	19	0	0	737 / 1076	16	0	0	888 / 1239	16	0	0
SSL017	203 / 675	33	0	0	184 / 655	33	0	0	695 / 1188	27	0	0	666 / 1160	26	0	0	830 / 1299	24	0	0
SSL018	203 / 1034	25	0	0	184 / 1013	25	0	0	448 / 1188	20	0	0	419 / 1160	19	0	0	458 / 1299	19	0	0
SSL019	203 / 1034	20	0	0	184 / 1013	20	0	0	448 / 1188	20	0	0	419 / 1160	19	0	0	458 / 1299	19	0	0
SSV001	665 / 665	14	14	14	644 / 644	14	14	14	702 / 703	1	1	1	673 / 674	1	1	1	833 / 834	4	4	4
SSV002	661 / 661	16	16	16	640 / 641	17	17	17	709 / 711	0	0	0	680 / 682	0	0	0	835 / 835	0	0	0
SSV003	659 / 659	14	14	14	638 / 638	14	14	14	714 / 714	0	0	0	684 / 685	0	0	0	836 / 836	0	0	0
SSV004	650 / 651	27	27	27	629 / 630	27	27	27	727 / 729	8	8	8	697 / 700	8	8	8	842 / 843	6	6	6
SSV005	644 / 645	27	27	27	624 / 625	27	27	27	741 / 743	7	7	7	711 / 714	7	7	7	846 / 847	5	5	5
SSV006	674 / 674	9	9	9	653 / 653	10	10	10	725 / 725	0	0	0	695 / 695	0	0	0	818 / 818	0	0	0
SSV007	670 / 670	27	27	27	649 / 649	27	27	27	728 / 728	7	7	7	698 / 698	7	7	7	822 / 822	5	5	5
SSV008	669 / 669	26	26	26	649 / 649	27	27	27	729 / 729	7	7	7	699 / 699	7	7	7	822 / 822	6	6	6
SSV009	767 / 767	0	0	0	747 / 747	0	0	0	617 / 617	14	14	14	587 / 587	13	13	13	727 / 727	13	13	13
SSV010	716 / 716	13	13	13	696 / 696	13	13	13	749 / 752	0	0	0	719 / 722	0	0	0	791 / 792	0	0	0
SSV011	750 / 751	2	2	2	729 / 730	2	2	2	673 / 676	6	6	6	643 / 646	6	6	6	743 / 744	4	4	4
SSV012	742 / 743	0	0	0	722 / 722	0	0	0	718 / 721	9	9	9	688 / 691	9	9	9	761 / 762	10	10	10
SSV013	741 / 741	0	0	0	721 / 721	0	0	0	733 / 735	11	11	11	703 / 705	10	10	10	767 / 769	6	6	6
SSV014	787 / 787	0	0	0	766 / 766	0	0	0	615 / 615	16	16	16	585 / 585	17	17	17	705 / 705	11	11	11
SSV015	927 / 931	0	0	0	907 / 911	0	0	0	508 / 510	19	24	24	478 / 480	17	22	22	560 / 564	18	23	23
SSV016	951 / 952	0	0	0	930 / 931	0	0	0	541 / 545	0	0	0	512 / 516	0	0	0	546 / 548	0	0	0
SSV017	979 / 980	0	0	0	959 / 960	0	0	0	481 / 485	24	—	—	451 / 455	25	—	—	512 / 513	24	—	—
SSV018	977 / 979	0	0	0	957 / 958	0	0	0	488 / 494	30	—	—	458 / 464	30	—	—	514 / 515	29	—	—



Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR003			OPOR004			OPOR005			OPOR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
SSP003	811	0	0	564	0	0	574	0	0	542	0	0
SSP004	814	0	0	560	0	0	559	0	0	528	0	0
SSP005	815	0	0	568	0	0	553	0	0	590	0	0
SSP006	816	0	0	557	0	0	550	1	0	583	0	0
SSP007	818	0	0	555	0	0	542	1	0	580	0	0
SSP008	797	19	19	565	4	4	596	2	2	572	3	3
SSP009	778	15	15	545	0	0	527	0	0	630	0	0
SSP010	744	15	15	513	0	0	583	0	0	617	0	0
SSP011	790	11	11	487	8	8	495	0	0	603	0	0
SSP012	778	11	11	475	8	8	462	7	7	402	17	17
SSP013	744	11	11	450	8	8	450	18	18	394	18	18
SSP014	778	11	11	475	8	8	426	18	18	456	17	17
SSP015	715	0	0	520	0	0	617	0	0	657	0	0
SSP016	715	0	0	518	0	0	613	0	0	653	0	0
SSP017	713	0	0	514	0	0	607	0	0	647	0	0
SSP018	713	0	0	513	0	0	605	0	0	646	0	0
SSP019	713	0	0	507	7	7	610	4	4	651	1	1
SSP020	699	6	6	507	7	7	602	0	0	644	0	0
SSP021	682	12	12	489	13	13	608	10	10	576	6	6
SSP022	676	12	12	477	13	13	598	10	10	568	6	6
SSP023	667	12	12	479	13	13	557	0	0	525	0	0
SSP024	725	16	16	496	0	0	479	0	0	596	0	0
SSP025	708	16	16	480	0	0	463	0	0	550	0	0
SSP026	692	16	16	465	0	0	543	0	0	518	0	0
SSP027	712	0	0	443	1	1	422	1	1	512	0	0
SSP028	709	16	16	432	25	25	455	36	35	493	16	16
SSP029	717	5	5	439	7	7	417	6	6	423	34	—
SSP030	727	12	12	434	7	7	410	6	6	423	18	18
SSP031	736	8	8	432	7	7	404	18	18	393	18	18
SSP032	752	0	0	442	8	8	386	18	18	461	17	17
SSP034	646	1	1	397	5	5	505	2	2	439	17	17
SSP035	651	8	8	397	11	11	476	16	16	428	18	18
SSP036	653	2	2	391	3	3	461	10	10	348	2	2
SSP040	624	34	34	382	28	28	486	26	26	519	10	10
SSP041	627	3	3	374	6	6	357	5	5	444	8	8
SSP042	615	13	13	380	12	12	468	10	10	504	8	8
SSP043	604	8	8	379	1	1	493	9	9	531	24	24
SSP044	612	3	3	359	6	6	366	0	0	513	6	6
SSP045	634	0	0	339	0	0	507	0	0	462	8	8
SSP046	606	3	3	345	7	7	447	11	11	539	8	8
SSP047	587	21	21	363	13	13	463	10	10	476	0	0
SSP048	582	5	5	369	0	0	342	4	4	509	6	6
SSP049	576	12	12	353	0	0	317	14	14	432	6	6
SSP050	566	18	18	342	21	21	394	14	14	438	8	8
SSP051	575	13	13	314	22	22	447	11	11	493	8	8
SSP052	578	13	13	310	19	19	429	7	7	416	7	7
SSP053a	603	29	—	325	20	—	418	34	—	399	7	7
SSP053b	603	29	—	325	20	—	418	34	—	387	36	—
SSP054	584	0	0	298	0	0	399	0	0	464	34	—
SSP055	596	0	0	291	0	0	369	0	0	448	0	0
SSP056	613	0	0	288	0	0	329	4	4	417	0	0
SSP057	544	15	15	299	19	19	268	4	4	376	3	3
SSP058	533	20	20	266	24	24	458	4	4	508	3	3
SSP059	530	20	20	294	24	24	466	10	10	457	10	10
SSP060	542	14	14	291	21	21	465	10	10	516	10	10
SSP061	541	14	14	290	21	21	446	3	3	496	2	2
SSP062	540	14	14	288	22	22	446	3	3	496	2	2
SSP063	538	14	14	287	22	22	446	3	3	496	3	3
SSP064	537	14	14	286	22	22	446	3	3	496	3	3
SSP065	540	0	0	283	6	6	438	0	0	489	0	0
SSP066	529	0	0	273	0	0	437	0	0	488	0	0

Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR003			OPOR004			OPOR005			OPOR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
SSP067	513	15	23	23	263	19	19	14	14	454	8	7
SSP068	508	14	24	24	256	19	19	14	14	426	13	12
SSP069	517	6	25	25	240	15	15	11	11	389	14	12
SSP070	470	7	25	25	248	32	32	0	0	453	10	0
SSP071	560	7	25	25	407	5	5	0	0	378	0	0
SSP072	601	0	13	13	235	16	16	16	16	273	14	12
SSP073	552	7	25	25	303	16	16	9	9	343	9	7
SSP074	567	6	25	25	372	9	9	9	9	423	7	7
SSP075	543	7	25	25	335	13	13	13	13	306	11	11
SSP076	526	8	25	25	336	14	14	14	14	337	12	10
SSP077	568	0	4	4	219	2	2	0	0	444	0	0
SSP078	531	14	23	23	203	17	17	16	16	278	14	11
SSP079	537	14	26	26	192	22	22	17	17	323	17	15
SSP080	499	8	26	26	178	25	25	22	22	236	20	18
SSP081	506	8	20	20	188	17	17	6	6	360	1	0
SSP082a	507	24	20	20	181	18	18	7	7	344	0	0
SSP082b	509	26	30	30	168	30	30	23	23	329	23	21
SSP083a	512	11	36	36	168	36	36	30	30	327	30	28
SSP083b	510	15	23	23	168	23	23	24	24	322	23	20
SSP086	492	0	28	28	167	27	27	22	22	323	20	18
SSP087	490	1	3	3	247	2	2	0	0	420	0	0
SSP088a	504	17	5	5	241	4	4	0	0	427	0	0
SSP088b	505	24	35	35	170	35	35	29	29	414	26	26
CR101	1298	29	35	35	971	37	35	35	35	804	35	19
CR102	1310	17	34	34	980	24	23	22	22	826	22	18
CR103	1268	31	38	38	964	38	36	36	36	807	37	36
CR104	1295	14	38	38	972	20	19	20	20	811	20	19
SSL001a	763/1089	20	14	14	957	20	20	15	15	795	20	15
SSL001b	389/713	21	18	18	416/834	25	25	20	20	294/849	26	26
SSL002a	763/1118	12	0	0	143/406	30	30	21	21	167/573	23	18
SSL002b	763/1117	20	0	0	416/819	16	16	0	0	250/816	17	0
SSL002c	763/1118	21	0	0	416/819	25	25	0	0	270/847	17	0
SSL004a	642/791	11	0	0	267/380	22	22	0	0	250/816	26	0
SSL004b	618/1089	14	0	0	267/380	24	24	0	0	270/847	27	0
SSL006a	618/1089	9	0	0	144/336	25	25	0	0	117/304	22	0
SSL006b	618/1089	9	0	0	267/380	24	24	0	0	117/304	25	0
SSL007a	703/1089	9	0	0	239/833	18	18	0	0	272/848	18	0
SSL007b	703/1089	9	0	0	289/833	18	18	0	0	304/880	18	0
SSL008a	840/1116	5	11	11	385/833	10	10	0	0	327/848	17	0
SSL008b	840/1116	11	16	16	359/860	16	16	0	0	393/908	16	0
SSL008c	840/1115	14	20	20	422/615	0	0	13	13	327/848	17	11
SSL009_1a	462/560	17	0	0	547/743	0	0	19	19	402/585	0	11
SSL009_1b	462/560	19	0	0	547/743	0	0	22	22	402/585	0	17
SSL009_2a	389/541	21	0	0	189/338	24	24	0	0	414/634	0	20
SSL009_2b	389/541	21	0	0	189/338	26	26	0	0	414/634	0	20
SSL010	527/809	16	0	0	143/232	30	30	0	0	378/481	10	9
SSL011a	647/725	12	5	5	292/498	21	21	0	0	458/560	9	9
SSL011b	647/725	13	5	5	143/232	30	30	0	0	458/560	12	12
SSL012a	791/860	14	14	14	292/498	24	24	0	0	346/554	21	0
SSL012b	791/860	14	15	15	493/611	0	0	0	0	346/554	21	0
SSL013a	567/792	13	23	23	303/563	10	10	23	23	544/652	0	0
SSL013b	567/792	17	28	28	305/379	28	28	23	23	358/422	0	22
SSL013c	567/792	18	28	28	316/383	28	28	30	30	358/422	0	27
SSL014a	428/820	0	22	22	316/383	28	28	17	17	358/422	0	28
SSL014b	428/820	0	24	24	443/531	6	6	16	16	471/559	16	16
					480/542	14	14	23	23	471/559	22	22
					480/542	15	15	24	24	471/559	23	23
					185/381	23	23	22	22	162/344	19	19
					185/381	28	28	27	27	162/344	25	25
					207/573	0	0	28	28	162/344	26	26
					207/573	0	0	21	21	505/649	9	9
					214/591	0	0	19	19	505/649	16	16
					214/591	0	0	28	28			

Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)		
SSL014c	428 / 820	0	24	30	214 / 591	0	30	30	207 / 573	0	28	20	451 / 617	0	18	17		
SSL015	1068 / 1450	10	—	—	819 / 1178	12	—	—	794 / 1152	11	—	—	709 / 1035	15	—	—		
SSL016a	859 / 1209	32	0	0	606 / 935	34	0	0	585 / 910	34	0	0	550 / 815	36	0	0		
SSL016b	858 / 1209	13	0	0	606 / 935	16	0	0	584 / 910	16	0	0	550 / 815	20	0	0		
SSL017	801 / 1269	24	0	0	496 / 970	25	0	0	470 / 942	25	0	0	424 / 815	29	0	0		
SSL018	429 / 1269	24	0	0	180 / 970	31	0	0	155 / 942	31	0	0	144 / 880	28	0	0		
SSL019	429 / 1270	18	0	0	180 / 970	25	0	0	155 / 942	25	0	0	144 / 881	23	0	0		
SSV001	804 / 804	3	3	3	569 / 570	0	0	0	551 / 551	0	0	0	595 / 597	0	0	0		
SSV002	805 / 806	0	0	0	565 / 566	0	0	0	546 / 547	0	0	0	547 / 548	0	0	0		
SSV003	806 / 807	0	0	0	564 / 564	0	0	0	544 / 544	0	0	0	579 / 580	0	0	0		
SSV004	812 / 813	6	6	6	561 / 562	9	9	9	540 / 542	10	11	11	532 / 535	11	11	11		
SSV005	817 / 817	6	6	6	556 / 557	9	9	9	534 / 535	10	13	13	514 / 517	12	12	12		
SSV006	788 / 788	0	0	0	522 / 522	2	2	2	518 / 518	12	12	12	486 / 486	10	10	10		
SSV007	792 / 792	6	6	6	525 / 525	21	21	21	504 / 504	21	24	24	488 / 488	27	27	27		
SSV008	793 / 793	6	6	6	526 / 526	18	18	18	505 / 505	18	18	18	489 / 489	25	25	25		
SSV009	698 / 698	12	12	12	470 / 470	0	0	0	453 / 453	0	0	0	543 / 545	0	0	0		
SSV010	762 / 763	0	0	0	457 / 457	0	0	0	431 / 431	0	0	0	411 / 413	7	7	7		
SSV011	713 / 714	4	4	4	441 / 442	9	9	9	420 / 421	10	10	10	465 / 469	27	27	27		
SSV012	731 / 732	8	8	8	432 / 433	5	5	5	408 / 408	6	6	6	412 / 416	20	20	20		
SSV013	738 / 739	6	6	6	431 / 431	6	6	6	406 / 406	7	7	7	396 / 399	20	20	20		
SSV014	675 / 675	11	11	11	435 / 435	6	6	6	417 / 417	5	5	5	510 / 510	3	3	3		
SSV015	530 / 534	17	21	21	311 / 314	4	9	9	300 / 304	4	8	8	489 / 490	0	1	1		
SSV016	517 / 518	0	0	0	252 / 254	11	11	11	237 / 240	11	11	11	422 / 427	2	2	2		
SSV017	482 / 483	24	—	—	267 / 270	32	—	—	259 / 263	32	—	—	461 / 486	0	—	—		
SSV018	484 / 486	29	—	—	261 / 265	37	—	—	252 / 257	37	—	—	471 / 478	6	—	—		

Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR006			OPOR007			OPOR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
SSP003	578	0	0	673	0	0	637	0	0	1195	12	12
SSP004	563	0	0	657	0	0	631	0	0	1178	12	12
SSP005	556	0	0	650	2	2	624	0	0	1171	12	12
SSP006	553	1	1	647	2	1	620	1	1	1167	12	12
SSP007	545	4	4	638	6	6	611	4	4	1158	12	12
SSP008	504	1	1	700	0	0	675	0	0	1230	0	0
SSP009	592	0	0	689	0	0	665	0	0	1232	0	0
SSP010	578	0	0	678	0	0	654	0	0	1242	0	0
SSP011	435	17	17	529	22	22	502	16	16	1086	13	13
SSP012	429	17	17	524	22	22	498	16	16	1090	13	13
SSP013	634	0	0	736	0	0	713	0	0	1313	3	3
SSP014	630	0	0	732	0	0	709	0	0	1309	0	0
SSP015	624	0	0	726	0	0	703	0	0	1304	0	0
SSP016	622	0	0	724	0	0	702	0	0	1303	2	2
SSP017	629	0	0	731	3	3	709	0	0	1317	0	0
SSP018	622	0	0	725	0	0	703	0	0	1321	0	0
SSP019	629	6	6	732	9	9	711	5	5	1331	2	2
SSP020	621	5	5	725	9	9	704	5	5	1329	2	2
SSP021	572	0	0	672	0	0	649	0	0	1248	0	0
SSP022	566	0	0	668	0	0	645	0	0	1254	0	0
SSP023	561	0	0	663	0	0	641	0	0	1259	0	0
SSP024	485	16	16	586	20	20	563	15	15	1182	0	0
SSP025	469	34	34	570	34	34	547	33	33	1171	19	19
SSP026	468	16	16	568	21	21	545	15	15	1165	0	0
SSP027	436	17	17	535	21	21	512	16	16	1133	0	0
SSP028	413	18	18	512	22	22	488	16	16	1111	0	0
SSP029	402	18	18	499	22	22	475	16	16	1091	13	13
SSP030	527	2	2	631	0	0	611	1	1	1258	0	0
SSP031	497	11	11	602	14	14	581	9	9	1231	7	7
SSP032	482	5	5	587	9	9	566	4	4	1218	1	1
SSP033	510	24	24	616	24	24	596	23	23	1256	20	20
SSP034	493	5	5	598	9	9	578	4	4	1241	1	1
SSP035	519	6	6	624	8	8	605	5	5	1268	3	3
SSP036	534	0	0	640	0	0	621	0	0	1286	0	0
SSP037	490	5	5	595	9	9	576	4	4	1247	1	1
SSP038	418	9	9	523	12	12	504	7	7	1182	4	4
SSP039	474	6	6	580	9	9	561	4	4	1238	1	1
SSP040	531	6	6	637	6	6	619	4	4	1293	1	1
SSP041	531	0	0	637	0	0	619	0	0	1293	0	0
SSP042	528	0	0	635	0	0	617	0	0	1296	0	0
SSP043	524	7	7	631	11	11	613	11	11	1298	8	8
SSP044	470	12	12	577	14	14	560	14	14	1252	9	9
SSP045	460	12	12	566	14	14	549	14	14	1243	9	9
SSP046	446	35	35	552	34	34	534	33	33	1219	17	17
SSP047	446	35	35	552	34	34	534	33	33	1219	17	17
SSP048	430	2	2	537	4	4	520	4	4	1201	17	17
SSP049	399	3	3	506	6	6	489	8	8	1192	4	4
SSP050	358	6	6	465	7	7	448	9	9	1156	4	4
SSP051	492	3	3	609	4	4	583	3	3	1286	4	4
SSP052	501	9	9	608	10	10	582	9	9	1286	14	14
SSP053	501	10	10	608	10	10	582	9	9	1286	14	14
SSP054	481	2	2	587	2	2	572	2	2	1276	1	1
SSP055	481	2	2	588	2	2	572	2	2	1277	1	1
SSP056	481	2	2	588	2	2	572	2	2	1278	0	0
SSP057	481	2	2	588	2	2	572	2	2	1278	0	0
SSP058	481	3	3	588	3	3	572	2	2	1279	0	0
SSP059	473	0	0	580	0	0	565	0	0	1272	0	0
SSP060	474	0	0	580	0	0	566	0	0	1277	0	0

Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR006			OPOR007			OPOR007			OPOR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
SSP067	519	7	7	626	8	8	611	8	8	1319	4	4	1301	4	4
SSP068	493	7	7	600	9	9	585	5	5	1301	4	4	1283	2	2
SSP069	466	11	11	572	11	11	558	10	10	1278	4	4	1259	4	4
SSP070	522	10	10	628	10	10	615	10	10	1340	1	1	1322	1	1
SSP071	441	0	0	548	0	0	532	0	0	1239	0	0	1221	0	0
SSP072	336	12	12	443	13	13	427	10	10	1151	4	4	1133	0	0
SSP073	408	7	7	515	5	5	501	5	5	1221	1	1	1203	0	0
SSP074	372	11	11	478	10	10	464	9	9	1190	1	1	1172	0	0
SSP075	404	10	10	510	12	12	497	7	7	1223	0	0	1205	0	0
SSP076	430	0	0	537	0	0	524	0	0	1249	0	0	1231	0	0
SSP077	346	12	12	452	13	13	439	10	10	1175	4	4	1157	0	0
SSP078	392	15	15	486	18	18	485	13	13	1222	3	3	1204	3	3
SSP079	366	18	18	472	18	18	460	16	16	1203	9	9	1186	6	6
SSP080	430	0	0	535	0	0	524	0	0	1262	0	0	1244	0	0
SSP081	414	0	0	519	0	0	508	0	0	1248	0	0	1230	0	0
SSP082a	399	15	15	505	15	15	494	12	12	1238	0	0	1220	0	0
SSP082b	397	20	20	502	21	21	491	17	17	1236	0	0	1219	0	0
SSP083a	392	14	14	498	15	15	487	10	10	1232	0	0	1214	0	0
SSP083b	394	13	13	499	14	14	488	10	10	1234	0	0	1216	0	0
SSP086	488	0	0	595	0	0	581	0	0	1305	0	0	1287	0	0
SSP087	495	0	0	602	0	0	589	0	0	1311	0	0	1293	0	0
SSP088a	406	13	13	511	14	14	500	11	11	1244	0	0	1226	0	0
SSP088b	404	20	20	509	22	22	498	17	17	1242	2	2	1224	2	2
CR101	793	35	35	838	35	35	806	35	35	956	38	38	938	33	33
CR102	795	23	23	837	28	28	805	26	26	942	25	25	924	23	23
CR103	793	37	37	840	36	36	808	37	37	971	40	40	953	34	34
CR104	801	20	20	848	19	19	816	20	20	975	23	23	957	18	18
CR105	785	19	19	832	19	19	800	20	20	968	21	21	949	18	18
SSL001a	317/880	26	15	406/969	25	14	380/941	24	13	957/1372	21	10	949	18	8
SSL001b	215/844	17	0	320/741	20	0	300/724	19	0	1017/1396	7	0	999/1377	7	0
SSL002a	235/844	26	0	295/931	18	0	264/902	17	0	792/1332	14	0	773/1313	13	0
SSL002b	235/844	26	0	295/931	26	0	264/902	26	0	792/1332	22	0	773/1313	21	0
SSL002c	235/844	26	0	295/931	26	0	264/902	26	0	792/1332	22	0	773/1313	21	0
SSL004a	134/349	20	0	232/450	19	0	209/428	18	0	925/1110	8	0	908/1092	7	0
SSL004b	134/349	23	0	232/450	22	0	209/428	21	0	925/1110	11	0	908/1092	10	0
SSL006a	324/879	17	0	429/968	16	0	409/940	16	0	1049/1371	12	0	1030/1352	10	0
SSL006b	324/879	17	0	429/968	16	0	409/940	16	0	1049/1371	12	0	1030/1352	10	0
SSL007a	367/879	16	0	466/968	15	0	443/940	14	0	1049/1371	11	0	1030/1352	9	0
SSL007b	367/879	16	0	466/968	15	0	443/940	14	0	1049/1371	11	0	1030/1352	9	0
SSL008a	383/604	0	10	427/685	0	13	395/655	0	12	801/1134	0	11	782/1115	0	10
SSL008b	383/604	0	16	427/685	0	18	395/655	0	17	801/1134	0	16	782/1115	0	14
SSL008c	383/604	0	20	427/685	0	21	395/655	0	20	801/1134	0	19	782/1115	0	17
SSL009_1a	445/543	4	0	551/649	5	0	537/635	2	0	1259/1351	0	0	1241/1333	0	0
SSL009_1b	445/543	7	0	551/649	9	0	537/635	5	0	1259/1351	0	0	1241/1333	0	0
SSL009_2a	337/546	18	0	442/650	21	0	432/641	19	0	1186/1387	4	0	1168/1369	3	0
SSL009_2b	337/546	21	0	442/650	21	0	432/641	19	0	1186/1387	7	0	1168/1369	6	0
SSL010	528/635	0	0	635/741	0	0	619/724	0	0	1234/1396	0	0	1215/1377	0	0
SSL011a	336/398	22	20	440/502	20	20	420/480	0	20	1088/1153	0	15	1069/1134	0	13
SSL011b	336/398	28	26	440/502	26	26	420/480	0	26	1088/1153	0	22	1069/1134	0	18
SSL011c	336/398	28	26	440/502	26	26	420/480	0	26	1088/1153	0	22	1069/1134	0	18
SSL012a	443/531	15	15	534/623	15	16	508/596	15	15	1067/1143	0	12	1048/1123	0	10
SSL012b	443/531	22	22	534/623	23	23	508/596	22	22	1067/1143	0	18	1048/1123	0	16
SSL012c	443/531	23	23	534/623	23	23	508/596	22	22	1067/1143	0	19	1048/1123	0	17
SSL013a	134/326	20	20	231/433	20	20	208/416	18	18	924/1163	0	6	907/1145	0	6
SSL013b	134/326	24	24	231/433	24	24	208/416	18	18	924/1163	0	12	907/1145	0	11
SSL013c	134/326	25	25	231/433	25	25	208/416	18	18	924/1163	0	13	907/1145	0	11
SSL014a	494/622	5	5	599/718	5	5	588/692	5	5	1232/1372	0	0	1212/1354	0	0
SSL014b	494/622	12	12	599/718	14	14	588/692	11	11	1232/1372	0	4	1212/1354	0	4

Table SS1a: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR006			OPOR007			OPOR008			OPOR009			OPOR010		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
SSL014c	494 / 622	14	16	588 / 692	12	12	1232 / 1372	6	6	1212 / 1354	5	5	1037 / 1097	12	12
SSL015	688 / 1003	14	14	724 / 1018	14	14	1056 / 1114	12	12	866 / 1184	32	32	866 / 1184	32	32
SSL016a	518 / 790	36	0	540 / 818	35	0	885 / 1203	35	0	865 / 1184	14	0	865 / 1184	14	0
SSL016b	518 / 790	18	0	540 / 818	18	0	884 / 1203	17	0	865 / 1184	14	0	865 / 1184	14	0
SSL017	422 / 789	28	0	487 / 818	28	0	885 / 1236	26	0	865 / 1217	25	0	865 / 1217	25	0
SSL018	134 / 880	26	0	232 / 969	26	0	792 / 1372	20	0	773 / 1354	18	0	773 / 1354	18	0
SSL019	134 / 880	21	0	232 / 969	20	0	792 / 1372	15	0	773 / 1354	13	0	773 / 1354	13	0
SSV001	602 / 604	0	0	698 / 699	0	0	1223 / 1225	10	10	1204 / 1206	8	8	1204 / 1206	8	8
SSV002	590 / 593	0	0	686 / 688	0	0	1210 / 1213	14	14	1191 / 1194	12	12	1191 / 1194	12	12
SSV003	585 / 586	0	0	680 / 681	0	0	1205 / 1206	0	0	1185 / 1186	0	0	1185 / 1186	0	0
SSV004	568 / 571	9	12	662 / 666	12	12	1184 / 1187	24	24	1164 / 1168	21	21	1164 / 1168	21	21
SSV005	548 / 552	11	16	641 / 645	16	16	1161 / 1165	24	24	1142 / 1146	21	21	1142 / 1146	21	21
SSV006	523 / 523	10	11	618 / 618	11	11	1160 / 1160	7	7	1141 / 1141	5	5	1141 / 1141	5	5
SSV007	525 / 525	28	28	620 / 620	28	28	1159 / 1159	24	24	1140 / 1140	21	21	1140 / 1140	21	21
SSV008	525 / 525	25	27	620 / 620	27	27	1159 / 1159	21	21	1140 / 1140	20	20	1140 / 1140	20	20
SSV009	563 / 563	0	0	665 / 665	0	0	1257 / 1257	0	0	1238 / 1238	0	0	1238 / 1238	0	0
SSV010	415 / 418	8	8	512 / 515	8	8	1092 / 1095	18	18	1073 / 1076	18	18	1073 / 1076	18	18
SSV011	479 / 482	26	24	579 / 583	24	24	1176 / 1179	0	0	1157 / 1161	0	0	1157 / 1161	0	0
SSV012	422 / 426	19	17	521 / 525	17	17	1119 / 1123	0	0	1100 / 1104	0	0	1100 / 1104	0	0
SSV013	405 / 407	19	18	503 / 506	18	18	1102 / 1105	0	0	1083 / 1086	0	0	1083 / 1086	0	0
SSV014	529 / 529	1	2	632 / 632	2	2	1242 / 1242	0	0	1223 / 1223	0	0	1223 / 1223	0	0
SSV015	524 / 524	0	0	631 / 631	0	0	1313 / 1315	0	0	1295 / 1297	0	0	1295 / 1297	0	0
SSV016	461 / 465	3	3	567 / 572	3	3	1273 / 1278	0	0	1265 / 1269	0	0	1265 / 1269	0	0
SSV017	521 / 526	0	0	628 / 633	0	0	1334 / 1338	0	0	1316 / 1320	0	0	1316 / 1320	0	0
SSV018	511 / 518	4	2	618 / 625	2	2	1325 / 1331	0	0	1307 / 1313	0	0	1307 / 1313	0	0

**Table SS2a: Acoustic Assessment Summary - Overall Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 1**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	47	35	35	No	50	50	45	Yes
OPOR001	Outdoor Class 2	47	35	35	No	50	45	—	Yes
POR002	2 Storey Class 3	44	40	40	No	45	40	40	Yes
OPOR002	Outdoor Class 3	43	38	38	No	45	40	—	Yes
POR003	2 Storey Class 3	42	39	39	No	45	40	40	Yes
OPOR003	Outdoor Class 3	41	37	37	No	45	40	—	Yes
POR004	1 1/2 Storey Class 3	46	42	43	No	45	40	40	No
OPOR004	Outdoor Class 3	46	42	42	No	45	40	—	No
POR005	1 1/2 Storey Class 3	45	40	40	No	45	40	40	Yes
OPOR005	Outdoor Class 3	45	40	40	No	45	40	—	Yes
POR006	1 Storey Class 3	44	38	38	No	45	40	40	Yes
OPOR006	Outdoor Class 3	44	38	38	No	45	40	—	Yes
POR007	2 Storey Class 3	45	38	38	No	45	40	40	Yes
OPOR007	Outdoor Class 3	44	36	36	No	45	40	—	Yes
POR008	2 Storey Class 3	44	33	33	No	45	40	40	Yes
OPOR008	Outdoor Class 3	39	31	31	No	45	40	—	Yes

Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	POR001				OPOR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
SSP003	653	13	13	13	633	14	14	14	722	0	0	0	693	0	0	0	841	0	0	0
SSP004	649	13	13	13	628	14	14	14	732	0	0	0	703	0	0	0	844	0	0	0
SSP005	647	13	13	13	626	14	14	14	737	0	0	0	708	0	0	0	845	0	0	0
SSP006	646	13	13	13	625	14	14	14	740	0	0	0	710	0	0	0	846	0	0	0
SSP007	644	13	13	13	623	14	14	14	746	0	0	0	716	0	0	0	848	0	0	0
SSP008	673	20	20	20	652	20	20	20	695	20	20	20	666	20	20	20	826	23	23	23
SSP012	690	0	0	0	669	1	1	1	681	18	18	18	652	16	16	16	807	16	16	16
SSP013	723	0	0	0	702	0	0	0	653	18	18	18	624	17	17	17	773	17	17	17
SSP014	686	12	12	12	665	13	13	13	702	11	11	11	738	11	11	11	819	11	11	11
SSP015	698	12	12	12	677	13	13	13	760	11	11	11	730	12	12	12	808	11	11	11
SSP016	767	11	11	11	746	12	12	12	595	3	3	3	567	2	2	2	744	0	0	0
SSP017	765	2	2	2	744	2	2	2	598	0	0	0	569	0	0	0	744	0	0	0
SSP018	765	1	1	1	744	1	1	1	600	0	0	0	571	0	0	0	743	0	0	0
SSP019	764	11	11	11	743	12	12	12	600	0	0	0	571	0	0	0	743	0	0	0
SSP020	781	2	2	2	760	2	2	2	583	10	10	10	554	8	8	8	729	8	8	8
SSP021	796	0	0	0	775	0	0	0	570	4	4	4	541	1	1	1	712	1	1	1
SSP022	805	7	7	7	784	6	6	6	560	16	16	16	531	14	14	14	705	14	14	14
SSP023	811	7	7	7	790	6	6	6	556	17	17	17	527	14	14	14	696	15	15	15
SSP024	740	0	0	0	720	0	0	0	639	18	18	18	609	17	17	17	755	17	17	17
SSP025	787	0	0	0	736	0	0	0	625	19	19	19	596	17	17	17	738	17	17	17
SSP026	772	0	0	0	752	0	0	0	613	19	19	19	583	18	18	18	722	18	18	18
SSP027	751	0	0	0	730	0	0	0	671	4	4	4	641	4	4	4	742	0	0	0
SSP028	756	14	14	14	735	14	14	14	676	14	14	14	646	14	14	14	739	16	16	16
SSP029	748	0	0	0	728	0	0	0	684	3	3	3	654	3	3	3	747	5	5	5
SSP030	744	0	0	0	723	0	0	0	709	12	12	12	679	12	12	12	757	12	12	12
SSP031	742	0	0	0	721	0	0	0	728	12	12	12	698	12	12	12	765	9	9	9
SSP032	730	12	12	12	710	12	12	12	748	0	0	0	718	0	0	0	781	0	0	0
SSP034	817	0	0	0	796	0	0	0	590	5	5	5	560	5	5	5	675	1	1	1
SSP035	811	1	1	1	791	0	0	0	611	14	14	14	581	11	11	11	680	13	13	13
SSP036	810	0	0	0	790	1	1	1	621	8	8	8	591	6	6	6	682	7	7	7
SSP040	837	19	19	19	817	19	19	19	582	36	36	36	552	35	35	35	654	36	36	36
SSP041	835	0	0	0	815	0	0	0	594	8	8	8	564	5	5	5	657	3	3	3
SSP042	846	0	0	0	826	0	0	0	570	16	16	16	540	14	14	14	645	16	16	16
SSP043	868	0	0	0	837	0	0	0	553	11	11	11	523	9	9	9	634	10	10	10
SSP044	851	0	0	0	830	0	0	0	585	8	8	8	555	5	5	5	642	3	3	3
SSP045	841	2	2	2	820	2	2	2	642	0	0	0	612	0	0	0	663	0	0	0
SSP046	858	0	0	0	837	0	0	0	590	8	8	8	560	7	7	7	636	3	3	3
SSP047	875	3	3	3	854	2	2	2	541	23	23	23	511	22	22	22	617	22	22	22
SSP048	881	0	0	0	860	0	0	0	538	6	6	6	508	6	6	6	611	6	6	6
SSP049	886	0	0	0	865	0	0	0	535	15	15	15	505	13	13	13	606	14	14	14
SSP050	895	6	6	6	875	5	5	5	531	22	22	22	501	19	19	19	596	21	21	21
SSP051	890	7	7	7	870	7	7	7	571	16	16	16	541	14	14	14	604	16	16	16
SSP052	859	7	7	7	868	7	7	7	579	16	16	16	549	14	14	14	608	16	16	16
SSP053a	866	12	12	12	845	12	12	12	604	17	17	17	574	17	17	17	632	29	29	29
SSP053b	866	12	12	12	845	12	12	12	604	17	17	17	574	17	17	17	632	29	29	29
SSP054	889	2	2	2	868	2	2	2	601	0	0	0	571	0	0	0	613	0	0	0
SSP055	886	2	2	2	866	2	2	2	627	0	0	0	598	0	0	0	625	0	0	0
SSP056	883	2	2	2	863	2	2	2	663	0	0	0	633	0	0	0	642	0	0	0
SSP057	920	0	0	0	899	0	0	0	537	18	18	18	508	16	16	16	573	17	17	17
SSP058	930	6	6	6	909	6	6	6	525	23	23	23	495	21	21	21	563	22	22	22
SSP059	933	7	7	7	912	6	6	6	523	23	23	23	494	21	21	21	560	22	22	22
SSP060	922	0	0	0	901	0	0	0	544	16	16	16	514	14	14	14	572	15	15	15
SSP061	923	0	0	0	903	0	0	0	543	16	16	16	514	14	14	14	571	15	15	15
SSP062	925	0	0	0	904	0	0	0	542	16	16	16	513	14	14	14	569	15	15	15



Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	POR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
SSP063	926	0	0	0	906	0	0	0	542	16	16	16	512	14	14	14
SSP064	928	0	0	0	907	0	0	0	541	16	16	16	511	14	14	14
SSP065	926	0	0	0	905	0	0	0	547	0	0	0	518	0	0	0
SSP066	937	0	0	0	916	0	0	0	542	0	0	0	512	0	0	0
SSP067	949	5	5	5	928	4	4	4	501	18	18	18	471	16	16	16
SSP068	956	2	2	2	935	1	1	1	518	18	18	18	488	14	14	14
SSP069	951	6	—	—	931	6	—	—	541	5	—	—	512	6	—	—
SSP070	993	0	—	—	972	0	—	—	479	26	—	—	449	26	—	—
SSP071	912	1	1	1	891	2	2	2	580	11	11	11	550	7	7	7
SSP072	909	1	1	1	889	2	2	2	670	0	0	0	640	0	0	0
SSP073	930	0	0	0	910	0	0	0	598	8	8	8	568	6	6	6
SSP074	928	0	0	0	908	0	0	0	630	7	7	7	601	6	6	6
SSP075	942	0	0	0	922	0	0	0	597	10	10	10	567	7	7	7
SSP076	951	0	0	0	931	0	0	0	570	11	11	11	541	7	7	7
SSP077	942	0	0	0	922	0	0	0	648	0	0	0	619	0	0	0
SSP078	962	0	0	0	941	0	0	0	601	16	16	16	572	13	13	13
SSP079	969	0	0	0	949	0	0	0	622	16	16	16	594	13	13	13
SSP080	963	0	0	0	962	0	0	0	561	10	10	10	532	7	7	7
SSP081	981	0	0	0	961	0	0	0	575	11	11	11	547	7	7	7
SSP082a	967	0	0	0	967	0	0	0	587	23	23	23	559	22	22	22
SSP082b	987	0	0	0	966	0	0	0	590	26	26	26	561	25	25	25
SSP083a	995	0	0	0	965	0	0	0	594	12	12	12	566	10	10	10
SSP083b	986	0	0	0	966	0	0	0	592	18	18	18	564	15	15	15
SSP086	974	0	0	0	953	0	0	0	522	2	2	2	484	1	1	1
SSP087	975	0	0	0	954	0	0	0	507	2	2	2	478	1	1	1
SSP088a	988	0	0	0	967	0	0	0	581	19	19	19	553	18	18	18
SSP088b	988	0	0	0	967	0	0	0	583	25	25	25	555	23	23	23
SSP088c	988	0	0	0	967	0	0	0	583	25	25	25	555	23	23	23
CR207	153	45	—	—	136	46	—	—	1248	30	—	—	1219	27	—	—
SSL001a	373 / 728	27	16	21	352 / 708	27	16	21	1165	33	—	—	1137	32	—	—
SSL001b	866 / 1076	8	—	—	847 / 1055	7	—	—	765 / 993	24	12	17	735 / 965	23	12	17
SSL002a	376 / 730	17	0	0	356 / 713	17	0	0	639 / 1114	15	0	0	409 / 776	21	0	0
SSL002b	376 / 730	26	0	0	356 / 713	25	0	0	639 / 1114	23	0	0	612 / 1084	14	0	0
SSL002c	376 / 730	26	0	0	356 / 713	25	0	0	639 / 1114	24	0	0	612 / 1084	22	0	0
SSL004a	788 / 880	9	—	—	768 / 860	9	—	—	709 / 901	6	—	—	679 / 872	5	—	—
SSL004b	788 / 880	12	—	—	768 / 860	12	—	—	709 / 901	9	—	—	679 / 872	8	—	—
SSL006a	373 / 857	17	0	0	353 / 837	17	0	0	631 / 993	13	—	—	601 / 964	12	—	—
SSL006b	373 / 857	17	0	0	352 / 837	17	0	0	631 / 993	13	—	—	601 / 964	12	—	—
SSL007a	373 / 766	17	0	0	353 / 746	17	0	0	680 / 993	13	—	—	650 / 964	12	—	—
SSL007b	373 / 766	17	0	0	352 / 746	17	0	0	680 / 993	13	—	—	650 / 964	12	—	—
SSL008a	452 / 621	—	12	12	434 / 601	—	11	11	772 / 1108	—	6	6	743 / 1078	—	5	5
SSL008b	452 / 621	0	17	17	434 / 601	0	17	17	772 / 1108	—	12	12	743 / 1078	—	11	11
SSL008c	452 / 621	0	20	20	434 / 601	0	20	20	772 / 1108	0	15	15	743 / 1078	0	14	14
SSL009_1a	903 / 1005	0	—	—	882 / 984	0	—	—	468 / 560	17	0	0	438 / 530	16	0	0
SSL009_1b	903 / 1005	0	—	—	882 / 984	0	—	—	468 / 560	20	0	0	438 / 530	19	0	0
SSL009_2a	966 / 1076	0	—	—	966 / 1055	0	—	—	437 / 647	19	0	0	409 / 618	18	0	0
SSL009_2b	966 / 1076	1	—	—	966 / 1055	1	—	—	437 / 647	22	0	0	409 / 618	21	0	0
SSL010	662 / 936	3	—	—	642 / 915	3	—	—	455 / 701	18	0	0	425 / 673	18	0	0
SSL011a	766 / 840	—	12	12	746 / 820	—	12	12	669 / 740	—	11	11	639 / 710	—	10	10
SSL011b	766 / 840	—	19	19	746 / 820	—	19	19	669 / 740	—	18	18	639 / 710	—	17	17
SSL011c	766 / 840	—	19	19	746 / 820	—	19	19	669 / 740	—	18	18	639 / 710	—	17	17
SSL012a	609 / 673	—	15	15	589 / 662	—	15	15	740 / 818	—	5	5	710 / 788	—	5	5
SSL012b	609 / 673	—	21	21	589 / 662	—	21	21	740 / 818	—	12	12	710 / 788	—	12	12
SSL012c	609 / 673	—	22	22	589 / 662	—	22	22	740 / 818	—	14	14	710 / 788	—	13	13

Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	POR001				OPOR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
SSL013a	861/961	8	8	8	843/941	8	8	8	665/902	4	4	4	637/873	4	4	4	595/818	4	4	4
SSL013b	861/961	13	13	13	843/941	13	13	11	665/902	11	11	11	637/873	11	11	11	595/818	11	11	18
SSL013c	861/961	15	15	15	843/941	15	15	12	665/902	12	12	12	637/873	12	12	12	595/818	12	12	20
SSL014a	652/1034	2	2	2	631/1013	2	2	18	448/710	18	18	18	419/682	18	18	18	458/850	18	18	18
SSL014b	652/1034	10	10	10	631/1013	10	10	25	448/710	25	25	25	419/682	24	24	24	458/850	24	24	24
SSL014c	652/1034	11	11	11	631/1013	11	11	26	448/710	26	26	26	419/682	25	25	25	458/850	25	25	26
SSL015	937/364	29	0	0	917/344	29	0	0	1003/1320	16	0	0	974/1293	14	0	0	1127/1460	10	0	0
SSL016a	257/605	41	0	0	236/585	41	0	0	766/1105	36	0	0	737/1076	34	0	0	889/1239	33	0	0
SSL016b	257/606	23	0	0	236/586	23	0	0	766/1105	19	0	0	737/1076	16	0	0	888/1239	16	0	0
SSL017	203/675	33	0	0	184/655	33	0	0	695/1188	27	0	0	666/1160	26	0	0	830/1299	24	0	0
SSL018	203/1034	25	0	0	184/1013	25	0	0	448/1188	25	0	0	419/1160	25	0	0	458/1299	25	0	0
SSL019	203/1034	20	0	0	184/1013	20	0	0	448/1188	20	0	0	419/1160	19	0	0	458/1299	19	0	0
SSV001	665/665	14	14	14	644/644	14	14	14	702/703	1	1	1	673/674	1	1	1	833/834	4	4	4
SSV002	661/661	16	16	16	640/641	17	17	17	709/711	0	0	0	680/682	0	0	0	835/835	0	0	0
SSV003	659/659	14	14	14	638/638	14	14	14	714/714	0	0	0	684/685	0	0	0	836/836	0	0	0
SSV004	650/651	27	27	27	629/630	27	27	27	727/729	8	8	8	697/700	8	8	8	842/843	6	6	6
SSV005	644/645	27	27	27	624/625	27	27	27	741/743	7	7	7	711/714	7	7	7	846/847	5	5	5
SSV006	674/674	9	9	9	653/653	10	10	10	725/725	0	0	0	695/695	0	0	0	818/818	0	0	0
SSV007	670/670	27	27	27	649/649	27	27	27	728/728	7	7	7	698/698	7	7	7	822/822	5	5	5
SSV008	669/669	26	26	26	649/649	27	27	27	729/729	7	7	7	699/699	7	7	7	822/822	6	6	6
SSV009	767/767	0	0	0	747/747	0	0	0	617/617	14	14	14	587/587	13	13	13	727/727	13	13	13
SSV010	716/716	13	13	13	696/696	13	13	13	749/752	0	0	0	719/722	0	0	0	791/792	0	0	0
SSV011	750/751	2	2	2	729/730	2	2	2	673/676	6	6	6	643/646	6	6	6	743/744	4	4	4
SSV012	742/743	0	0	0	722/722	0	0	0	718/721	9	9	9	688/691	9	9	9	761/762	10	10	10
SSV013	741/741	0	0	0	721/721	0	0	0	733/735	11	11	11	703/705	10	10	10	767/769	6	6	6
SSV014	787/787	0	0	0	766/766	0	0	0	615/615	16	16	16	585/585	17	17	17	705/705	11	11	11
SSV015	927/931	0	0	0	907/911	0	0	0	508/510	19	19	19	478/480	17	17	17	560/564	18	18	23
SSV016	951/952	0	0	0	930/931	0	0	0	541/545	0	0	0	512/516	0	0	0	546/548	0	0	0
SSV017	979/980	0	0	0	959/960	0	0	0	481/485	24	24	24	451/455	25	25	25	512/513	24	24	24
SSV018	977/979	0	0	0	957/958	0	0	0	488/494	30	30	30	458/464	30	30	30	514/515	29	29	29

Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)		
SSP003	811	0	0	0	544	0	0	0	574	0	0	0	542	0	0	0		
SSP004	814	0	0	0	539	0	0	0	559	0	0	0	528	0	0	0		
SSP005	815	0	0	0	558	0	0	0	553	0	0	0	521	0	0	0		
SSP006	816	0	0	0	557	0	0	0	550	1	1	1	518	0	0	0		
SSP007	818	0	0	0	555	0	0	0	542	4	4	4	511	3	3	3		
SSP008	797	19	19	4	566	4	4	4	566	2	2	2	630	0	0	0		
SSP012	778	15	15	0	527	0	0	0	563	0	0	0	617	0	0	0		
SSP013	744	15	15	0	545	0	0	0	566	0	0	0	603	0	0	0		
SSP014	790	11	11	8	487	8	8	8	433	17	17	17	402	18	18	17		
SSP015	778	11	11	8	475	8	8	8	426	18	18	18	394	17	17	17		
SSP016	715	0	0	0	520	0	0	0	507	0	0	0	657	0	0	0		
SSP017	715	0	0	0	518	0	0	0	613	0	0	0	581	0	0	0		
SSP018	713	0	0	0	514	0	0	0	607	0	0	0	575	0	0	0		
SSP019	713	0	0	0	513	0	0	0	605	0	0	0	574	0	0	0		
SSP020	699	6	6	7	507	7	7	7	610	4	4	4	578	1	1	1		
SSP021	682	0	0	0	493	0	0	0	602	0	0	0	644	0	0	0		
SSP022	676	12	12	13	489	13	13	13	608	10	10	10	576	6	6	6		
SSP023	667	12	12	13	479	13	13	13	599	10	10	10	568	6	6	6		
SSP024	725	16	16	0	496	0	0	0	557	0	0	0	525	0	0	0		
SSP025	708	16	16	0	480	0	0	0	550	0	0	0	518	0	0	0		
SSP026	692	16	16	0	465	0	0	0	543	0	0	0	512	0	0	0		
SSP027	712	0	0	0	443	1	1	1	471	17	17	17	439	16	16	16		
SSP028	709	16	16	—	432	25	—	—	455	36	—	—	423	35	—	—		
SSP029	717	5	5	7	439	7	7	7	455	17	17	17	423	18	18	16		
SSP030	727	12	12	7	434	7	7	7	425	18	18	18	393	19	19	17		
SSP031	736	8	8	7	432	7	7	7	407	7	7	7	373	19	19	17		
SSP032	752	0	0	8	442	8	8	8	396	18	18	18	364	19	19	18		
SSP034	646	1	1	5	409	5	5	5	505	2	2	2	473	3	3	2		
SSP035	651	8	8	11	393	11	11	11	476	16	16	16	444	12	12	10		
SSP036	653	2	2	3	391	3	3	3	372	1	1	1	430	6	6	8		
SSP040	624	34	34	28	382	28	28	28	366	27	27	27	454	26	26	24		
SSP041	627	3	3	6	374	6	6	6	357	5	5	5	437	6	6	6		
SSP042	615	13	13	12	380	12	12	12	364	8	8	8	462	7	7	8		
SSP043	604	8	8	1	379	1	1	1	366	0	0	0	476	0	0	0		
SSP044	612	3	3	6	359	6	6	6	463	10	10	10	432	6	6	6		
SSP045	634	0	0	0	339	0	0	0	394	14	14	14	362	10	10	8		
SSP046	606	3	3	7	327	7	7	7	447	11	11	11	416	7	7	8		
SSP047	567	21	21	13	363	13	13	13	502	5	5	5	472	5	5	7		
SSP048	582	5	5	0	359	0	0	0	501	0	0	0	471	0	0	0		
SSP049	576	12	12	0	353	0	0	0	498	0	0	0	468	0	0	0		
SSP050	566	18	18	21	342	21	21	21	493	7	7	7	463	6	6	6		
SSP051	575	13	13	22	314	22	22	22	439	7	7	7	409	7	7	8		
SSP052	578	13	13	19	310	19	19	19	429	7	7	7	399	7	7	8		
SSP053a	603	29	—	—	325	20	—	—	418	34	—	—	387	36	—	—		
SSP053b	603	29	—	—	306	21	—	—	418	34	—	—	387	36	—	—		
SSP054	584	0	0	0	298	0	0	0	399	0	0	0	369	0	0	0		
SSP055	596	0	0	0	269	0	0	0	369	0	0	0	338	0	0	0		
SSP056	613	0	0	0	288	0	0	0	329	4	4	4	477	0	0	0		
SSP057	544	15	15	19	299	19	19	19	458	4	4	4	508	3	3	3		
SSP058	533	20	20	24	284	24	24	24	466	10	10	10	437	10	10	10		
SSP059	530	20	20	24	281	24	24	24	465	10	10	10	436	10	10	10		
SSP060	542	14	14	21	276	20	20	20	446	3	3	3	417	3	3	2		
SSP061	541	14	14	21	275	20	20	20	446	3	3	3	417	3	3	2		
SSP062	540	14	14	22	274	20	20	20	446	3	3	3	416	3	3	3		

Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)		
SSP063	538	14	14	22	273	21	21	21	446	3	3	3	416	3	3	3		
SSP064	537	14	14	22	286	22	22	22	446	3	3	3	416	3	3	3		
SSP065	540	0	6	6	268	9	9	9	438	0	0	0	409	0	0	0		
SSP066	529	0	0	0	273	0	0	0	437	0	0	0	408	0	0	0		
SSP067	513	15	15	23	292	23	23	23	483	14	14	14	454	8	8	8		
SSP068	508	14	14	24	267	24	24	24	455	14	14	14	426	13	13	12		
SSP069	517	6	—	—	240	15	—	—	428	15	—	—	399	14	—	—		
SSP070	470	25	—	—	255	33	—	—	480	12	—	—	453	10	—	—		
SSP071	560	7	7	11	280	11	11	11	407	0	0	0	378	0	0	0		
SSP072	601	0	0	0	263	13	13	13	303	16	16	16	273	14	14	12		
SSP073	552	7	7	16	250	16	16	16	372	9	9	9	343	9	7	7		
SSP074	567	6	6	16	244	16	16	16	335	13	13	13	306	13	11	11		
SSP075	543	7	7	18	236	18	18	18	366	14	14	14	337	12	10	10		
SSP076	528	8	8	4	237	4	4	4	392	0	0	0	363	0	0	0		
SSP077	568	0	13	13	229	13	13	13	307	16	16	16	278	14	14	11		
SSP078	531	14	14	26	214	26	26	26	351	16	16	16	323	17	17	15		
SSP079	537	14	14	203	203	26	26	26	324	22	22	22	296	20	20	18		
SSP080	499	8	8	19	205	19	19	19	387	6	6	6	360	1	1	0		
SSP081	506	8	8	200	200	20	20	20	371	7	7	7	344	0	0	0		
SSP082a	507	24	24	30	189	30	30	30	355	23	23	23	329	23	23	21		
SSP082b	509	26	26	36	189	36	36	36	353	30	30	30	327	30	30	28		
SSP083a	512	11	11	190	190	23	23	23	348	24	24	24	323	23	23	20		
SSP083b	510	15	15	189	189	27	27	27	360	22	22	22	323	20	20	18		
SSP086	492	0	3	3	237	2	2	2	448	0	0	0	420	0	0	0		
SSP087	490	1	1	5	251	4	4	4	455	0	0	0	427	0	0	0		
SSP088a	504	17	17	25	191	25	25	25	362	20	20	20	335	20	20	19		
SSP088b	505	24	24	35	190	35	35	35	360	29	29	29	333	29	29	26		
CR206	1330	23	—	—	1027	27	—	—	846	29	—	—	824	29	—	—		
CR207	1263	26	—	—	974	29	—	—	825	32	—	—	801	32	—	—		
SSL001a	763 / 1089	20	9	9	443 / 849	25	14	14	324 / 881	26	15	15	294 / 849	26	15	19		
SSL001b	389 / 713	21	0	0	161 / 411	30	0	0	199 / 603	24	0	0	167 / 573	23	0	18		
SSL002a	763 / 1118	12	0	0	443 / 836	17	0	0	270 / 847	18	0	0	250 / 816	17	0	0		
SSL002b	763 / 1117	20	0	0	443 / 836	25	0	0	270 / 847	27	0	0	250 / 816	26	0	0		
SSL002c	763 / 1118	21	0	0	443 / 836	25	0	0	270 / 847	27	0	0	250 / 816	26	0	0		
SSL004a	642 / 791	11	—	—	296 / 413	22	—	—	144 / 336	22	0	0	117 / 304	22	0	0		
SSL004b	642 / 791	14	—	—	296 / 413	25	0	0	144 / 336	25	0	0	117 / 304	25	0	0		
SSL006a	618 / 1089	9	—	—	324 / 849	17	0	0	304 / 880	18	0	0	272 / 848	18	0	0		
SSL006b	618 / 1089	9	—	—	324 / 849	17	0	0	304 / 880	18	0	0	272 / 848	18	0	0		
SSL007a	703 / 1089	9	—	—	411 / 849	9	—	—	359 / 880	16	0	0	327 / 848	17	0	0		
SSL007b	703 / 1089	9	—	—	411 / 849	9	—	—	359 / 880	16	0	0	327 / 848	17	0	0		
SSL008a	840 / 1116	—	5	5	570 / 774	—	11	11	422 / 615	0	13	13	402 / 585	—	11	11		
SSL008b	840 / 1115	—	16	16	570 / 774	0	16	16	422 / 615	0	19	19	402 / 585	0	17	17		
SSL008c	840 / 1115	0	14	14	570 / 774	0	20	20	422 / 615	0	22	22	402 / 585	0	20	20		
SSL009_1a	462 / 560	17	0	0	202 / 349	24	0	0	406 / 511	13	0	0	378 / 481	10	—	—		
SSL009_1b	462 / 560	19	0	0	202 / 349	27	0	0	406 / 511	17	0	0	378 / 481	13	—	—		
SSL009_2a	389 / 541	18	0	0	161 / 234	28	0	0	292 / 498	21	0	0	266 / 474	21	0	0		
SSL009_2b	389 / 541	21	0	0	161 / 234	31	0	0	292 / 498	24	0	0	266 / 474	23	0	0		
SSL010	527 / 809	16	0	0	314 / 581	12	—	—	493 / 611	0	—	—	464 / 579	0	—	—		
SSL011a	647 / 725	—	5	5	332 / 406	—	19	19	316 / 383	—	23	23	284 / 351	—	22	22		
SSL011b	647 / 725	—	12	12	332 / 406	—	25	25	305 / 379	—	28	28	284 / 351	—	27	27		
SSL012a	647 / 725	—	13	13	332 / 406	—	26	26	316 / 383	—	28	28	284 / 351	—	28	28		
SSL012b	791 / 860	—	14	14	506 / 566	—	7	7	443 / 531	—	17	17	412 / 500	—	16	16		
SSL012c	791 / 860	—	14	14	506 / 566	—	14	14	443 / 531	—	23	23	412 / 500	—	22	22		
SSL012c	791 / 860	—	16	16	506 / 566	—	15	15	443 / 531	—	24	24	412 / 500	—	23	23		

Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006				
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)				
SSL013a	567 / 792	—	13	23	214 / 414	185 / 381	—	23	143 / 297	—	22	22	116 / 266	—	21	21	162 / 344	—	19	19
SSL013b	567 / 792	—	17	28	214 / 414	185 / 381	—	28	143 / 297	—	27	27	116 / 266	—	27	27	162 / 344	—	25	25
SSL013c	567 / 792	—	18	29	214 / 414	185 / 381	—	29	143 / 297	—	28	28	116 / 266	—	28	28	162 / 344	—	26	26
SSL014a	428 / 820	0	17	22	214 / 591	207 / 573	0	21	451 / 617	—	12	12	424 / 585	—	11	11	505 / 649	—	9	9
SSL014b	428 / 820	0	24	28	214 / 591	207 / 573	0	28	451 / 617	0	19	19	424 / 585	0	18	18	505 / 649	—	16	16
SSL014c	428 / 820	0	24	30	214 / 591	207 / 573	0	30	451 / 617	0	20	20	424 / 585	0	18	18	505 / 649	0	17	17
SSL015	1096 / 1450	10	—	—	819 / 1178	794 / 1152	11	—	709 / 1035	15	—	—	662 / 1011	15	—	—	720 / 1034	14	—	—
SSL016a	899 / 1209	32	0	0	606 / 935	585 / 910	34	0	550 / 815	36	0	0	526 / 788	36	0	0	550 / 821	35	0	0
SSL016b	858 / 1209	13	0	0	606 / 935	584 / 910	16	0	550 / 815	20	0	0	526 / 788	18	0	0	549 / 821	18	0	0
SSL017	801 / 1269	24	0	0	495 / 970	470 / 942	25	0	424 / 815	29	0	0	393 / 789	29	0	0	450 / 821	28	0	0
SSL018	428 / 1269	24	0	0	180 / 970	155 / 942	31	0	144 / 880	28	0	0	117 / 849	27	0	0	163 / 908	26	0	0
SSL019	429 / 1270	18	0	0	180 / 970	155 / 942	25	0	144 / 881	23	0	0	117 / 849	22	0	0	163 / 908	21	0	0
SSV001	804 / 804	3	0	0	569 / 570	551 / 551	0	0	595 / 597	0	0	0	563 / 565	0	0	0	628 / 630	0	0	0
SSV002	805 / 806	0	0	0	565 / 566	546 / 547	0	0	584 / 587	0	0	0	552 / 555	0	0	0	617 / 619	0	0	0
SSV003	806 / 807	0	0	0	564 / 564	544 / 544	0	0	579 / 580	0	0	0	548 / 548	0	0	0	612 / 612	0	0	0
SSV004	812 / 813	6	6	9	561 / 562	534 / 535	10	10	564 / 567	11	11	11	532 / 535	11	11	11	595 / 598	9	9	9
SSV005	817 / 817	6	6	9	556 / 557	534 / 535	10	10	545 / 549	13	13	13	514 / 517	12	12	12	575 / 579	10	10	10
SSV006	788 / 788	0	2	2	522 / 522	500 / 500	2	2	518 / 518	12	12	12	486 / 486	10	10	10	549 / 549	10	10	10
SSV007	792 / 792	6	6	9	525 / 525	504 / 504	21	21	520 / 520	28	28	28	488 / 488	27	27	27	551 / 551	28	28	28
SSV008	793 / 793	6	6	9	526 / 526	505 / 505	18	18	520 / 520	25	25	25	489 / 489	25	25	25	552 / 552	25	25	25
SSV009	698 / 698	12	12	12	470 / 470	453 / 453	0	0	545 / 545	0	0	0	514 / 514	0	0	0	586 / 586	0	0	0
SSV010	762 / 763	0	0	0	457 / 457	431 / 431	0	0	411 / 413	7	7	7	379 / 381	7	7	7	442 / 445	6	6	6
SSV011	713 / 714	4	4	4	441 / 442	420 / 421	10	10	465 / 469	27	27	27	433 / 437	27	27	27	503 / 507	26	26	26
SSV012	731 / 732	8	8	8	432 / 433	408 / 408	6	6	412 / 416	20	20	20	380 / 384	20	20	20	447 / 451	19	19	19
SSV013	738 / 739	6	6	6	431 / 431	406 / 406	7	7	396 / 399	20	20	20	364 / 367	20	20	20	430 / 433	19	19	19
SSV014	675 / 675	11	11	11	435 / 435	417 / 417	5	5	510 / 510	3	3	3	478 / 478	2	2	2	552 / 552	1	1	1
SSV015	530 / 534	17	21	21	311 / 314	300 / 304	4	4	489 / 490	0	0	0	460 / 460	0	0	0	540 / 540	0	0	0
SSV016	517 / 518	0	0	0	252 / 254	237 / 240	11	11	422 / 427	2	2	2	394 / 399	4	4	4	474 / 479	4	4	4
SSV017	482 / 483	24	—	—	267 / 270	259 / 263	32	—	481 / 486	0	—	—	453 / 458	0	—	—	534 / 539	0	—	—
SSV018	484 / 486	29	—	—	261 / 265	252 / 257	37	—	471 / 478	6	—	—	443 / 450	6	—	—	524 / 531	4	—	—

Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR006				OPOR007				OPOR008				OPOR008			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
SSP003	578	0	0	0	647	0	0	0	1195	12	12	12	1176	10	10	10
SSP004	563	0	0	0	631	0	0	0	1178	12	12	12	1159	10	10	10
SSP005	556	0	0	0	624	0	0	0	1171	12	12	12	1151	10	10	10
SSP006	553	1	1	1	620	1	1	1	1167	12	12	12	1148	10	10	10
SSP007	545	4	4	4	611	6	6	6	1158	12	12	12	1138	10	10	10
SSP008	604	1	1	1	700	0	0	0	1230	0	0	0	1211	0	0	0
SSP012	592	0	0	0	689	0	0	0	1232	0	0	0	1213	0	0	0
SSP013	578	0	0	0	654	0	0	0	1242	0	0	0	1223	0	0	0
SSP014	435	17	17	17	529	22	22	22	1086	13	13	13	1067	11	11	11
SSP015	429	17	17	17	524	22	22	22	1090	13	13	13	1071	11	11	11
SSP016	634	0	0	0	736	0	0	0	1313	3	3	3	1284	3	3	3
SSP017	630	0	0	0	732	0	0	0	1309	0	0	0	1280	0	0	0
SSP018	624	0	0	0	726	0	0	0	1304	0	0	0	1285	0	0	0
SSP019	622	0	0	0	724	0	0	0	1303	2	2	2	1284	2	2	2
SSP020	629	0	0	0	731	3	3	3	1317	0	0	0	1298	0	0	0
SSP021	622	0	0	0	725	0	0	0	1321	0	0	0	1302	0	0	0
SSP022	629	6	6	6	732	9	9	9	1331	2	2	2	1312	2	2	2
SSP023	621	5	5	5	725	9	9	9	1329	2	2	2	1310	2	2	2
SSP024	572	0	0	0	649	0	0	0	1248	0	0	0	1229	0	0	0
SSP025	566	0	0	0	668	0	0	0	1254	0	0	0	1235	0	0	0
SSP026	561	0	0	0	663	0	0	0	1259	0	0	0	1240	0	0	0
SSP027	485	16	16	16	586	20	20	20	1182	0	0	0	1163	0	0	0
SSP028	469	34	—	—	570	34	—	—	1171	19	—	—	1152	19	—	—
SSP029	468	16	16	16	568	21	21	21	1165	0	0	0	1146	0	0	0
SSP030	436	17	17	17	535	21	21	21	1133	0	0	0	1114	0	0	0
SSP031	413	18	18	18	512	22	22	22	1111	0	0	0	1092	0	0	0
SSP032	402	18	18	18	499	22	22	22	1091	13	13	13	1072	11	11	11
SSP034	527	2	2	2	631	0	0	0	1258	0	0	0	1239	0	0	0
SSP035	497	11	11	11	602	14	14	14	1231	7	7	7	1212	3	3	3
SSP036	482	5	5	5	587	9	9	9	1218	1	1	1	1199	0	0	0
SSP040	510	24	24	24	616	24	24	24	1256	20	20	20	1237	20	20	20
SSP041	493	5	5	5	598	9	9	9	1241	1	1	1	1222	0	0	0
SSP042	519	6	6	6	624	8	8	8	1265	3	3	3	1249	3	3	3
SSP043	554	0	0	0	640	0	0	0	1266	0	0	0	1268	0	0	0
SSP044	490	5	5	5	595	9	9	9	1247	1	1	1	1228	0	0	0
SSP045	418	9	9	9	523	12	12	12	1182	4	4	4	1163	0	0	0
SSP046	474	6	6	6	580	9	9	9	1238	1	1	1	1219	0	0	0
SSP047	531	6	6	6	619	6	6	6	1293	1	1	1	1274	1	1	1
SSP048	531	0	0	0	637	0	0	0	1295	0	0	0	1277	0	0	0
SSP049	528	0	0	0	635	0	0	0	1296	0	0	0	1278	0	0	0
SSP050	524	7	7	7	631	11	11	11	1298	8	8	8	1279	8	8	8
SSP051	470	12	12	12	577	14	14	14	1252	9	9	9	1233	5	5	5
SSP052	460	12	12	12	566	14	14	14	1243	9	9	9	1224	5	5	5
SSP053a	446	35	—	—	552	34	—	—	1219	17	—	—	1201	17	—	—
SSP053b	446	35	—	—	552	34	—	—	1219	17	—	—	1201	17	—	—
SSP054	430	2	2	2	537	4	4	4	1219	4	4	4	1200	0	0	0
SSP055	399	3	3	3	506	6	6	6	1192	4	4	4	1173	0	0	0
SSP056	358	6	6	6	465	7	7	7	1156	4	4	4	1138	0	0	0
SSP057	492	3	3	3	593	4	4	4	1284	4	4	4	1266	3	3	3
SSP058	501	9	9	9	608	10	10	10	1296	14	14	14	1278	11	11	11
SSP059	501	10	10	10	608	10	10	10	1297	14	14	14	1279	11	11	11
SSP060	481	2	2	2	587	2	2	2	1276	1	1	1	1258	1	1	1
SSP061	481	2	2	2	588	2	2	2	1277	1	1	1	1258	1	1	1
SSP062	481	2	2	2	588	2	2	2	1278	0	0	0	1259	0	0	0

Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
SSP063	481	2	2	588	2	2	572	2	2	1278	0	0	1260	0	0
SSP064	481	3	3	588	3	3	572	3	3	1279	0	0	1261	0	0
SSP065	473	0	0	580	0	0	565	0	0	1272	0	0	1254	0	0
SSP066	474	0	0	580	0	0	566	0	0	1277	0	0	1259	0	0
SSP067	519	7	7	611	8	8	619	8	8	1319	4	4	1301	4	4
SSP068	493	7	7	600	9	9	585	5	5	1301	2	2	1283	2	2
SSP069	468	11	11	572	10	10	558	10	10	1278	4	4	1259	4	4
SSP070	522	10	10	628	10	10	615	10	10	1340	1	1	1322	1	1
SSP071	441	0	0	548	0	0	532	0	0	1239	0	0	1221	0	0
SSP072	336	12	12	443	13	13	427	10	10	1151	4	4	1133	0	0
SSP073	408	7	7	515	5	5	501	5	5	1221	1	1	1203	0	0
SSP074	372	11	11	478	10	10	464	9	9	1190	1	1	1172	0	0
SSP075	404	10	10	510	12	12	497	7	7	1223	0	0	1205	0	0
SSP076	430	0	0	537	0	0	524	0	0	1249	0	0	1231	0	0
SSP077	346	12	12	452	13	13	439	10	10	1175	4	4	1157	0	0
SSP078	392	15	15	498	18	18	485	13	13	1222	3	3	1204	3	3
SSP079	366	18	18	472	18	18	460	16	16	1203	9	9	1186	6	6
SSP080	430	0	0	535	0	0	524	0	0	1262	0	0	1244	0	0
SSP081	414	0	0	519	0	0	508	0	0	1248	0	0	1230	0	0
SSP082a	399	15	15	505	15	15	494	12	12	1238	0	0	1220	0	0
SSP082b	397	20	20	502	21	21	491	17	17	1236	0	0	1219	0	0
SSP083a	392	14	14	498	15	15	487	10	10	1232	0	0	1214	0	0
SSP083b	394	13	13	499	14	14	488	10	10	1234	0	0	1216	0	0
SSP086	488	0	0	595	0	0	581	0	0	1305	0	0	1287	0	0
SSP087	495	0	0	602	0	0	589	0	0	1311	0	0	1293	0	0
SSP088a	406	13	13	511	14	14	500	11	11	1244	0	0	1226	0	0
SSP088b	404	20	20	509	22	22	498	17	17	1242	2	2	1224	2	2
CR206	810	29	29	851	34	34	819	28	28	938	31	31	920	29	29
CR207	795	32	32	847	31	31	815	32	32	1008	34	34	990	29	29
SSL001a	317 / 880	26	15	406 / 969	25	14	380 / 941	24	13	987 / 1372	21	10	968 / 1353	19	8
SSL001b	215 / 635	21	0	320 / 741	20	0	300 / 724	19	0	1017 / 1396	7	4	999 / 1377	7	4
SSL002a	235 / 844	17	0	295 / 831	18	0	264 / 902	17	0	792 / 1332	14	0	773 / 1313	13	0
SSL002b	235 / 844	26	0	295 / 831	26	0	264 / 902	26	0	792 / 1332	22	0	773 / 1313	21	0
SSL002c	235 / 844	26	0	295 / 831	26	0	264 / 902	26	0	792 / 1332	23	0	773 / 1313	21	0
SSL004a	1347 / 349	20	0	232 / 450	19	0	209 / 428	18	0	925 / 1110	8	0	908 / 1092	7	0
SSL004b	1347 / 349	23	0	232 / 450	22	0	209 / 428	21	0	925 / 1110	11	0	908 / 1092	10	0
SSL006a	324 / 879	17	0	429 / 968	16	0	409 / 940	16	0	1049 / 1371	12	0	1030 / 1352	10	0
SSL006b	324 / 879	17	0	429 / 968	16	0	409 / 940	16	0	1049 / 1371	12	0	1030 / 1352	10	0
SSL007a	367 / 879	16	0	466 / 968	15	0	443 / 940	14	0	1049 / 1371	11	0	1030 / 1352	9	0
SSL007b	367 / 879	16	0	466 / 968	15	0	443 / 940	14	0	1049 / 1371	11	0	1030 / 1352	9	0
SSL008a	333 / 604	10	10	427 / 685	0	13	395 / 655	0	12	801 / 1134	0	11	782 / 1115	0	10
SSL008b	333 / 604	0	18	427 / 685	0	18	395 / 655	0	17	801 / 1134	0	16	782 / 1115	0	14
SSL008c	333 / 604	0	20	427 / 685	0	21	395 / 655	0	20	801 / 1134	0	19	782 / 1115	0	17
SSL009_1a	445 / 543	4	0	551 / 649	5	0	537 / 635	5	0	1259 / 1351	0	0	1241 / 1333	0	0
SSL009_1b	445 / 543	7	0	551 / 649	9	0	537 / 635	2	0	1259 / 1351	0	0	1241 / 1333	0	0
SSL009_2a	337 / 546	18	0	442 / 650	18	0	432 / 641	16	0	1166 / 1387	4	0	1168 / 1369	3	0
SSL009_2b	337 / 546	21	0	442 / 650	21	0	432 / 641	19	0	1166 / 1387	7	0	1168 / 1369	6	0
SSL010	528 / 635	0	0	635 / 741	0	0	619 / 724	0	0	1234 / 1396	0	0	1215 / 1377	0	0
SSL011a	336 / 398	22	22	440 / 502	20	20	420 / 480	20	20	1088 / 1163	0	15	1069 / 1134	0	13
SSL011b	336 / 398	22	22	440 / 502	20	20	420 / 480	20	26	1088 / 1163	0	20	1069 / 1134	0	18
SSL011c	336 / 398	28	28	440 / 502	27	27	420 / 480	27	27	1088 / 1163	0	22	1069 / 1134	0	19
SSL012a	443 / 531	16	16	534 / 623	16	16	508 / 596	16	15	1067 / 1143	0	12	1048 / 1123	0	10
SSL012b	443 / 531	22	22	534 / 623	22	22	508 / 596	22	21	1067 / 1143	0	18	1048 / 1123	0	16
SSL012c	443 / 531	23	23	534 / 623	23	23	508 / 596	23	22	1067 / 1143	0	19	1048 / 1123	0	17

Table SS1b: Point of Reception Predicted Partial Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR006				POR007				OPOR007				POR008				OPOR008			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
SSL013a	134 / 326	—	20	18	231 / 433	—	18	18	208 / 416	—	18	18	924 / 1163	—	6	6	907 / 1145	—	6	6
SSL013b	134 / 326	—	25	24	231 / 433	—	24	24	208 / 416	—	24	24	924 / 1163	—	12	12	907 / 1145	—	11	11
SSL013c	134 / 326	—	27	25	231 / 433	—	25	25	208 / 416	—	25	25	924 / 1163	—	13	13	907 / 1145	—	13	13
SSL014a	494 / 622	—	5	7	599 / 718	—	7	7	588 / 692	—	7	7	1232 / 1372	—	0	0	1212 / 1354	—	0	0
SSL014b	494 / 622	—	12	14	599 / 718	—	14	14	588 / 692	—	14	14	1232 / 1372	—	4	4	1212 / 1354	—	4	4
SSL014c	494 / 622	—	14	16	599 / 718	—	16	16	588 / 692	—	16	16	1232 / 1372	—	6	6	1212 / 1354	—	5	5
SSL015	688 / 1003	14	—	—	796 / 1050	14	—	—	724 / 1018	14	—	—	1096 / 1114	12	—	—	1037 / 1097	12	—	—
SSL016a	518 / 790	36	0	0	572 / 850	39	0	0	540 / 818	35	0	0	885 / 1203	35	0	0	866 / 1184	32	0	0
SSL016b	518 / 790	18	0	0	572 / 850	20	0	0	540 / 818	18	0	0	884 / 1203	17	0	0	865 / 1184	14	0	0
SSL017	422 / 789	28	0	0	514 / 850	28	0	0	487 / 818	28	0	0	885 / 1236	26	0	0	865 / 1217	25	0	0
SSL018	134 / 880	26	0	0	232 / 969	26	0	0	207 / 941	25	0	0	792 / 1372	20	0	0	773 / 1354	18	0	0
SSL019	134 / 880	21	0	0	232 / 969	20	0	0	207 / 941	20	0	0	792 / 1372	15	0	0	773 / 1354	13	0	0
SSV001	602 / 604	0	0	0	688 / 689	0	0	0	672 / 674	0	0	0	1223 / 1225	10	10	10	1204 / 1206	8	8	8
SSV002	590 / 593	0	0	0	686 / 688	0	0	0	660 / 663	0	0	0	1210 / 1213	14	14	14	1191 / 1194	12	12	12
SSV003	585 / 586	0	0	0	680 / 681	0	0	0	654 / 655	0	0	0	1205 / 1206	0	0	0	1185 / 1186	0	0	0
SSV004	588 / 571	9	9	12	662 / 666	12	12	12	636 / 640	10	10	10	1184 / 1187	24	24	24	1164 / 1168	21	21	21
SSV005	548 / 552	11	11	11	641 / 645	16	16	16	615 / 619	12	12	12	1161 / 1165	24	24	24	1142 / 1146	21	21	21
SSV006	523 / 523	10	10	11	618 / 618	11	11	11	593 / 593	10	10	10	1160 / 1160	7	7	7	1141 / 1141	5	5	5
SSV007	525 / 525	28	28	28	620 / 620	28	28	28	594 / 594	27	27	27	1159 / 1159	24	24	24	1140 / 1140	21	21	21
SSV008	525 / 525	25	25	27	620 / 620	27	27	27	594 / 594	26	26	26	1159 / 1159	21	21	21	1140 / 1140	20	20	20
SSV009	563 / 563	0	0	0	665 / 665	0	0	0	642 / 642	0	0	0	1257 / 1257	0	0	0	1238 / 1238	0	0	0
SSV010	415 / 418	8	8	8	512 / 515	8	8	8	487 / 490	8	8	8	1092 / 1095	8	8	8	1073 / 1076	8	8	8
SSV011	479 / 482	26	26	24	579 / 583	24	24	24	556 / 560	24	24	24	1176 / 1179	0	0	0	1157 / 1161	0	0	0
SSV012	422 / 426	19	19	17	521 / 525	17	17	17	497 / 501	17	17	17	1119 / 1123	0	0	0	1100 / 1104	0	0	0
SSV013	405 / 407	19	19	18	503 / 506	18	18	18	479 / 482	18	18	18	1102 / 1105	0	0	0	1083 / 1086	0	0	0
SSV014	529 / 529	1	1	2	632 / 632	2	2	2	611 / 611	0	0	0	1242 / 1242	0	0	0	1223 / 1223	0	0	0
SSV015	524 / 524	0	0	0	631 / 631	0	0	0	615 / 615	0	0	0	1313 / 1315	0	0	0	1295 / 1297	0	0	0
SSV016	461 / 465	3	3	3	567 / 572	3	3	3	553 / 558	0	0	0	1273 / 1278	0	0	0	1255 / 1259	0	0	0
SSV017	521 / 526	0	—	—	628 / 633	0	—	—	614 / 619	0	—	—	1334 / 1338	0	—	—	1316 / 1320	0	—	—
SSV018	511 / 518	4	—	—	618 / 625	2	—	—	604 / 611	2	—	—	1325 / 1331	0	—	—	1307 / 1313	0	—	—



**Table SS2b: Acoustic Assessment Summary - Overall Sound Levels - Normal Operations (Steady Source) - Crushing Scenario 2**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	50	35	35	No	50	50	45	Yes
OPOR001	Outdoor Class 2	50	35	35	No	50	45	—	Yes
POR002	2 Storey Class 3	43	40	40	No	45	40	40	Yes
OPOR002	Outdoor Class 3	41	38	38	No	45	40	—	Yes
POR003	2 Storey Class 3	42	39	39	No	45	40	40	Yes
OPOR003	Outdoor Class 3	40	37	37	No	45	40	—	Yes
POR004	1 1/2 Storey Class 3	45	42	43	No	45	40	40	No
OPOR004	Outdoor Class 3	45	42	42	No	45	40	—	No
POR005	1 1/2 Storey Class 3	44	40	40	No	45	40	40	Yes
OPOR005	Outdoor Class 3	44	40	40	No	45	40	—	Yes
POR006	1 Storey Class 3	43	38	38	No	45	40	40	Yes
OPOR006	Outdoor Class 3	43	38	38	No	45	40	—	Yes
POR007	2 Storey Class 3	44	38	38	No	45	40	40	Yes
OPOR007	Outdoor Class 3	42	36	36	No	45	40	—	Yes
POR008	2 Storey Class 3	40	33	33	No	45	40	40	Yes
OPOR008	Outdoor Class 3	37	31	31	No	45	40	—	Yes

Table IS1: Point of Reception Predicted Partial Sound Levels - Normal Operations (Impulsive Source)

Source ID	POR001			OPOR001			POR002			OPOR002			POR003		
	Distance (m)	Overall Daytime Sound Pressure Level (GBAI)	Overall Evening Sound Pressure Level (GBAI)	Distance (m)	Overall Daytime Sound Pressure Level (GBAI)	Overall Night-time Sound Pressure Level (GBAI)	Distance (m)	Overall Daytime Sound Pressure Level (GBAI)	Overall Evening Sound Pressure Level (GBAI)	Distance (m)	Overall Daytime Sound Pressure Level (GBAI)	Overall Evening Sound Pressure Level (GBAI)	Distance (m)	Overall Daytime Sound Pressure Level (GBAI)	Overall Night-time Sound Pressure Level (GBAI)
IP003	986	15	14	965	15	14	584	47	44	555	46	44	535	47	47
IP004	986	14	14	965	14	14	590	44	44	561	43	43	538	45	45
IP005	985	7	7	965	8	8	593	38	38	565	37	37	540	38	38

Table IS1: Point of Reception Predicted Partial Sound Levels - Normal Operations (Impulsive Source)

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
IP003	506	46	44	192	58	58	172	59	59	52	360	52	50	50	333	47	47	45
IP004	510	44	44	190	58	58	169	59	59	50	353	50	51	51	407	48	48	48
IP005	511	38	38	190	52	52	168	52	52	44	350	44	44	44	404	41	41	41

Table IS1: Point of Reception Predicted Partial Sound Levels - Normal Operations (Impulsive Source)

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	
IP003	403	38	38	41	41	41	498	35	35	35	1241	16	16	16	
IP004	397	38	38	41	41	41	502	35	35	35	1236	16	16	16	
IP005	394	33	33	35	35	35	499	29	29	29	1233	10	10	10	

Table IS2: Acoustic Assessment Summary - Overall Sound Levels - Normal Operations (Impulsive Source)

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	15	15	15	No	50	50	45	Yes
OPOR001	Outdoor Class 2	15	15	15	No	50	50	—	Yes
POR002	2 Storey Class 3	47	47	47	No	45	40	40	No
OPOR002	Outdoor Class 3	46	46	46	No	45	45	—	No
POR003	2 Storey Class 3	47	47	47	No	45	40	40	No
OPOR003	Outdoor Class 3	46	46	46	No	45	45	—	No
POR004	1 1/2 Storey Class 3	58	58	58	No	45	40	40	No
OPOR004	Outdoor Class 3	59	59	59	No	45	45	—	No
POR005	1 1/2 Storey Class 3	52	52	52	No	45	40	40	No
OPOR005	Outdoor Class 3	51	51	51	No	45	45	—	No
POR006	1 Storey Class 3	48	48	48	No	45	40	40	No
OPOR006	Outdoor Class 3	38	38	38	No	45	45	—	Yes
POR007	2 Storey Class 3	41	41	41	No	45	40	40	No
OPOR007	Outdoor Class 3	35	35	35	No	45	45	—	Yes
POR008	2 Storey Class 3	16	16	16	No	45	40	40	Yes
OPOR008	Outdoor Class 3	16	16	16	No	45	45	—	Yes

Table FP1: Point of Reception Predicted Partial Sound Levels - Emergency Fire Pump

Source ID	POR001			OPOR001			POR002			OPOR002			POR003							
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)				
FP001	794	26	—	—	775	25	—	—	762	29	—	—	732	30	—	—	749	26	—	—
FPV001	787 / 787	14	—	—	768 / 768	13	—	—	768 / 768	9	—	—	738 / 738	10	—	—	757 / 757	10	—	—
FPV002	801 / 801	23	—	—	761 / 781	22	—	—	755 / 755	24	—	—	725 / 725	24	—	—	741 / 741	17	—	—

Table FP1: Point of Reception Predicted Partial Sound Levels - Emergency Fire Pump

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
FP001	721	26	—	40	—	—	353	40	—	—	274	39	—	—	341	38	—	—
FPV001	728 / 728	10	—	32	—	—	307 / 307	34	—	—	276 / 276	33	—	—	342 / 342	32	—	—
FPV002	713 / 713	17	—	36	—	—	306 / 306	28	—	—	274 / 274	29	—	—	342 / 342	26	—	—

Table FP1: Point of Reception Predicted Partial Sound Levels - Emergency Fire Pump

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
FP001	317	38	—	418	36	—	395	36	—	1059	26	—	1041	26	—
FPV001	317 / 317	32	—	417 / 417	31	—	394 / 394	31	—	1053 / 1053	25	—	1035 / 1035	24	—
FPV002	318 / 318	27	—	420 / 420	24	—	398 / 398	24	—	1066 / 1066	13	—	1047 / 1047	12	—



**Table FP2: Acoustic Assessment Summary - Overall Sound Levels - Emergency Fire Pump**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	28	0	0	No	55	55	50	Yes
OPOR001	Outdoor Class 2	27	0	0	No	55	50	—	Yes
POR002	2 Storey Class 3	31	0	0	No	50	45	45	Yes
OPOR002	Outdoor Class 3	31	0	0	No	50	45	—	Yes
POR003	2 Storey Class 3	27	0	0	No	50	45	45	Yes
OPOR003	Outdoor Class 3	26	0	0	No	50	45	—	Yes
POR004	1 1/2 Storey Class 3	42	0	0	No	50	45	45	Yes
OPOR004	Outdoor Class 3	42	0	0	No	50	45	—	Yes
POR005	1 1/2 Storey Class 3	40	0	0	No	50	45	45	Yes
OPOR005	Outdoor Class 3	41	0	0	No	50	45	—	Yes
POR006	1 Storey Class 3	39	0	0	No	50	45	45	Yes
OPOR006	Outdoor Class 3	39	0	0	No	50	45	—	Yes
POR007	2 Storey Class 3	37	0	0	No	50	45	45	Yes
OPOR007	Outdoor Class 3	38	0	0	No	50	45	—	Yes
POR008	2 Storey Class 3	29	0	0	No	50	45	45	Yes
OPOR008	Outdoor Class 3	28	0	0	No	50	45	—	Yes

Table EG1: Point of Reception Predicted Partial Sound Levels - Plant Emergency Diesel Generator

Source ID	POR001			OPOR001			POR002			OPOR002			POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
GP001	819	20	—	—	798	20	—	—	585	39	—	—	674	28	—	—
GV001	815 / 815	5	—	—	794 / 795	6	—	—	557 / 558	14	—	—	677 / 677	10	—	—

Table EG1: Point of Reception Predicted Partial Sound Levels - Plant Emergency Diesel Generator

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
GP001	644	27	—	412	24	—	396	24	—	512	24	—	480	23	—	555	22	—	—
GV001	647 / 647	9	—	414 / 415	11	—	399 / 399	12	—	512 / 513	9	—	480 / 482	10	—	555 / 557	8	—	—

Table EG1: Point of Reception Predicted Partial Sound Levels - Plant Emergency Diesel Generator

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
GP001	534	22	—	639	22	—	618	21	—	1265	18	—	1246	18	—
GV001	534 / 536	8	—	638 / 640	7	—	617 / 619	7	—	1262 / 1264	2	—	1243 / 1245	2	—

**Table EG2: Acoustic Assessment Summary - Overall Sound Levels - Plant Emergency Diesel Generator**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	20	0	0	No	55	55	50	Yes
OPOR001	Outdoor Class 2	20	0	0	No	55	50	—	Yes
POR002	2 Storey Class 3	39	0	0	No	50	45	45	Yes
OPOR002	Outdoor Class 3	38	0	0	No	50	45	—	Yes
POR003	2 Storey Class 3	28	0	0	No	50	45	45	Yes
OPOR003	Outdoor Class 3	27	0	0	No	50	45	—	Yes
POR004	1 1/2 Storey Class 3	24	0	0	No	50	45	45	Yes
OPOR004	Outdoor Class 3	24	0	0	No	50	45	—	Yes
POR005	1 1/2 Storey Class 3	24	0	0	No	50	45	45	Yes
OPOR005	Outdoor Class 3	23	0	0	No	50	45	—	Yes
POR006	1 Storey Class 3	22	0	0	No	50	45	45	Yes
OPOR006	Outdoor Class 3	22	0	0	No	50	45	—	Yes
POR007	2 Storey Class 3	23	0	0	No	50	45	45	Yes
OPOR007	Outdoor Class 3	21	0	0	No	50	45	—	Yes
POR008	2 Storey Class 3	19	0	0	No	50	45	45	Yes
OPOR008	Outdoor Class 3	19	0	0	No	50	45	—	Yes

Table NGPO1: Point of Reception Predicted Partial Sound Levels - Plant Office Emergency Natural Gas Generator

Source ID	POR001			OPOR001			POR002			OPOR002			POR003							
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)				
NGPO2	801	0	—	—	780	0	—	—	602	13	—	—	572	13	—	—	691	0	—	—

Table NGPO1: Point of Reception Predicted Partial Sound Levels - Plant Office Emergency Natural Gas Generator

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
NGPO2	662	0	—	424	0	—	407	0	—	509	0	—	477	0	—	551	0	—	—

Table NGPO1: Point of Reception Predicted Partial Sound Levels - Plant Office Emergency Natural Gas Generator

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
NGPO2	530	0	—	633	0	—	612	0	—	1250	0	—	1232	0	—



**Table NGPO2: Acoustic Assessment Summary - Overall Sound Levels - Plant Office Emergency Natural Gas Generator**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	0	0	0	No	55	55	50	Yes
OPOR001	Outdoor Class 2	0	0	0	No	55	50	—	Yes
POR002	2 Storey Class 3	13	0	0	No	50	45	45	Yes
OPOR002	Outdoor Class 3	13	0	0	No	50	45	—	Yes
POR003	2 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR003	Outdoor Class 3	0	0	0	No	50	45	—	Yes
POR004	1 1/2 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR004	Outdoor Class 3	0	0	0	No	50	45	—	Yes
POR005	1 1/2 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR005	Outdoor Class 3	0	0	0	No	50	45	—	Yes
POR006	1 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR006	Outdoor Class 3	0	0	0	No	50	45	—	Yes
POR007	2 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR007	Outdoor Class 3	0	0	0	No	50	45	—	Yes
POR008	2 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR008	Outdoor Class 3	0	0	0	No	50	45	—	Yes

Table NGAO1: Point of Reception Predicted Partial Sound Levels - Administration Office Emergency Natural Gas Generator

Source ID	POR001			OPOR001			POR002			OPOR002			POR003							
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)				
NGP01	782	7	—	—	761	7	—	—	580	20	—	—	551	20	—	—	730	14	—	—

Table NGAO1: Point of Reception Predicted Partial Sound Levels - Administration Office Emergency Natural Gas Generator

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
NGP01	700	12	—	511	2	—	498	1	—	617	0	—	656	0	—	659	0	—	—

Table NGA01: Point of Reception Predicted Partial Sound Levels - Administration Office Emergency Natural Gas Generator

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
NGP01	636	0	—	739	0	—	717	0	—	1324	0	—	1305	0	—

**Table NGAO2: Acoustic Assessment Summary - Overall Sound Levels - Administration Office Emergency Natural Gas Generator**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	7	0	0	No	55	55	50	Yes
OPOR001	Outdoor Class 2	7	0	0	No	55	50	—	Yes
POR002	2 Storey Class 3	20	0	0	No	50	45	45	Yes
OPOR002	Outdoor Class 3	20	0	0	No	50	45	—	Yes
POR003	2 Storey Class 3	14	0	0	No	50	45	45	Yes
OPOR003	Outdoor Class 3	12	0	0	No	50	45	—	Yes
POR004	1 1/2 Storey Class 3	2	0	0	No	50	45	45	Yes
OPOR004	Outdoor Class 3	1	0	0	No	50	45	—	Yes
POR005	1 1/2 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR005	Outdoor Class 3	0	0	0	No	50	45	—	Yes
POR006	1 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR006	Outdoor Class 3	0	0	0	No	50	45	—	Yes
POR007	2 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR007	Outdoor Class 3	0	0	0	No	50	45	—	Yes
POR008	2 Storey Class 3	0	0	0	No	50	45	45	Yes
OPOR008	Outdoor Class 3	0	0	0	No	50	45	—	Yes

Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	POR001				OPOR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
MSSP003	653	13	13	13	633	14	14	14	722	0	0	0	693	0	0	0	841	0	0	0
MSSP004	649	13	13	13	628	14	14	14	732	0	0	0	703	0	0	0	844	0	0	0
MSSP005	647	13	13	13	626	14	14	14	737	0	0	0	708	0	0	0	845	0	0	0
MSSP006	646	13	13	13	625	14	14	14	740	0	0	0	710	0	0	0	846	0	0	0
MSSP007	644	13	13	13	623	14	14	14	746	0	0	0	716	0	0	0	848	0	0	0
MSSP008	673	20	20	20	652	20	20	20	695	20	20	20	666	20	20	20	826	23	23	23
MSSP012	690	0	0	0	669	1	1	1	681	18	18	18	652	16	16	16	807	16	16	16
MSSP013	723	0	0	0	702	0	0	0	653	18	18	18	624	17	17	17	773	17	17	17
MSSP014	698	12	12	12	665	13	13	13	702	11	11	11	738	11	11	11	819	11	11	11
MSSP015	698	12	12	12	677	13	13	13	760	11	11	11	730	12	12	12	808	11	11	11
MSSP016	767	11	11	11	746	12	12	12	595	3	3	3	567	2	2	2	744	0	0	0
MSSP017	765	2	2	2	744	2	2	2	598	0	0	0	569	0	0	0	744	0	0	0
MSSP018	765	1	1	1	744	1	1	1	600	0	0	0	571	0	0	0	743	0	0	0
MSSP019	764	11	11	11	743	12	12	12	600	0	0	0	571	0	0	0	743	0	0	0
MSSP020	781	2	2	2	760	2	2	2	583	10	10	10	554	8	8	8	729	8	8	8
MSSP021	796	0	0	0	775	0	0	0	570	4	4	4	541	1	1	1	712	1	1	1
MSSP022	805	7	7	7	784	6	6	6	560	16	16	16	531	14	14	14	705	14	14	14
MSSP023	811	7	7	7	790	6	6	6	556	17	17	17	527	14	14	14	696	15	15	15
MSSP024	740	0	0	0	720	0	0	0	639	18	18	18	609	17	17	17	755	17	17	17
MSSP025	757	0	0	0	736	0	0	0	625	19	19	19	596	17	17	17	738	17	17	17
MSSP026	772	0	0	0	752	0	0	0	613	19	19	19	583	18	18	18	722	18	18	18
MSSP027	751	0	0	0	730	0	0	0	671	4	4	4	641	4	4	4	742	0	0	0
MSSP028	756	14	14	14	735	14	14	14	676	14	14	14	646	14	14	14	739	16	16	16
MSSP029	748	0	0	0	728	0	0	0	684	3	3	3	654	3	3	3	747	5	5	5
MSSP030	744	0	0	0	723	0	0	0	709	12	12	12	679	12	12	12	757	12	12	12
MSSP031	742	0	0	0	721	0	0	0	728	12	12	12	698	12	12	12	765	9	9	9
MSSP032	730	12	12	12	710	12	12	12	748	0	0	0	718	0	0	0	781	0	0	0
MSSP034	817	0	0	0	796	0	0	0	590	5	5	5	560	5	5	5	675	1	1	1
MSSP035	811	1	1	1	791	0	0	0	611	14	14	14	581	11	11	11	680	13	13	13
MSSP036	810	0	0	0	790	1	1	1	621	8	8	8	591	6	6	6	682	7	7	7
MSSP040	837	19	19	19	817	19	19	19	582	36	36	36	552	35	35	35	654	36	36	36
MSSP041	835	0	0	0	815	0	0	0	594	8	8	8	564	5	5	5	657	3	3	3
MSSP042	846	0	0	0	826	0	0	0	570	16	16	16	540	14	14	14	645	16	16	16
MSSP043	858	0	0	0	837	0	0	0	553	11	11	11	523	9	9	9	634	10	10	10
MSSP044	851	0	0	0	830	0	0	0	585	8	8	8	555	5	5	5	642	3	3	3
MSSP045	841	2	2	2	820	2	2	2	642	0	0	0	612	0	0	0	663	0	0	0
MSSP046	858	0	0	0	837	0	0	0	590	8	8	8	560	7	7	7	636	3	3	3
MSSP047	875	3	3	3	854	2	2	2	541	23	23	23	511	22	22	22	617	22	22	22
MSSP048	881	0	0	0	860	0	0	0	538	6	6	6	508	6	6	6	611	6	6	6
MSSP049	886	0	0	0	865	0	0	0	535	15	15	15	505	13	13	13	606	14	14	14
MSSP050	895	6	6	6	875	5	5	5	531	22	22	22	501	19	19	19	596	21	21	21
MSSP051	890	7	7	7	870	7	7	7	571	16	16	16	541	14	14	14	604	16	16	16
MSSP052	859	7	7	7	868	7	7	7	579	16	16	16	549	14	14	14	608	16	16	16
MSSP053a	866	12	12	12	845	12	12	12	604	17	17	17	574	17	17	17	632	29	29	29
MSSP053b	866	12	12	12	845	12	12	12	604	17	17	17	574	17	17	17	632	29	29	29
MSSP054	889	2	2	2	868	2	2	2	601	0	0	0	571	0	0	0	613	0	0	0
MSSP055	886	2	2	2	866	2	2	2	627	0	0	0	598	0	0	0	625	0	0	0
MSSP056	883	2	2	2	863	2	2	2	663	0	0	0	633	0	0	0	642	0	0	0
MSSP057	930	0	0	0	899	0	0	0	537	18	18	18	505	16	16	16	573	17	17	17
MSSP058	920	6	6	6	909	6	6	6	525	23	23	23	495	21	21	21	563	22	22	22
MSSP059	933	7	7	7	912	6	6	6	523	23	23	23	494	21	21	21	560	22	22	22
MSSP060	922	0	0	0	901	0	0	0	544	16	16	16	514	14	14	14	572	15	15	15
MSSP061	923	0	0	0	903	0	0	0	543	16	16	16	514	14	14	14	571	15	15	15
MSSP062	925	0	0	0	904	0	0	0	542	16	16	16	513	14	14	14	569	15	15	15

Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	POR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
MSSP063	926	0	0	0	542	16	16	16	512	14	14	14	568	15	15	15
MSSP064	928	0	0	0	541	16	16	16	511	14	14	14	567	15	15	15
MSSP065	926	0	0	0	541	16	16	16	511	14	14	14	567	15	15	15
MSSP066	937	0	0	0	542	0	0	0	512	0	0	0	569	0	0	0
MSSP067	949	5	5	5	501	18	18	18	471	16	16	16	543	18	18	18
MSSP068	956	2	2	2	518	18	18	18	488	14	14	14	538	18	18	18
MSSP069	951	6	6	6	541	5	5	5	512	6	6	6	547	5	5	5
MSSP070	993	0	0	0	479	26	26	26	449	26	26	26	499	26	26	26
MSSP071	912	1	1	1	889	2	2	2	670	0	0	0	629	0	0	0
MSSP072	909	1	1	1	859	2	2	2	640	0	0	0	629	0	0	0
MSSP073	930	0	0	0	598	8	8	8	568	6	6	6	581	8	8	8
MSSP074	928	0	0	0	630	7	7	7	601	6	6	6	596	8	8	8
MSSP075	942	0	0	0	597	10	10	10	567	7	7	7	572	10	10	10
MSSP076	951	0	0	0	570	11	11	11	541	7	7	7	555	11	11	11
MSSP077	942	0	0	0	648	0	0	0	619	0	0	0	597	0	0	0
MSSP078	962	0	0	0	601	16	16	16	572	13	13	13	560	16	16	16
MSSP079	969	0	0	0	622	16	16	16	594	13	13	13	565	16	16	16
MSSP080	963	0	0	0	561	10	10	10	532	7	7	7	528	11	11	11
MSSP081	981	0	0	0	575	11	11	11	547	7	7	7	535	11	11	11
MSSP082a	967	0	0	0	587	23	23	23	559	22	22	22	536	25	25	25
MSSP082b	987	0	0	0	590	10	10	10	561	11	11	11	537	11	11	11
MSSP083a	995	0	0	0	594	12	12	12	566	10	10	10	540	12	12	12
MSSP083b	986	0	0	0	592	0	0	0	564	0	0	0	539	0	0	0
MSSP086	974	0	0	0	513	2	2	2	484	1	1	1	522	2	2	2
MSSP087	975	0	0	0	507	2	2	2	478	1	1	1	519	2	2	2
MSSP088a	988	0	0	0	581	19	19	19	555	18	18	18	533	18	18	18
MSSP088b	988	0	0	0	583	12	12	12	555	13	13	13	533	13	13	13
CR101	175	40	40	40	1213	36	36	36	1184	29	29	29	1328	29	29	29
CR102	170	38	38	38	1228	24	24	24	1200	21	21	21	1340	18	18	18
CR103	180	40	40	40	1199	38	38	38	1171	37	37	37	1318	30	30	30
CR104	173	19	19	19	1204	21	21	21	1176	19	19	19	1324	14	14	14
CR105	188	25	25	25	1194	21	21	21	1166	19	19	19	1311	14	14	14
MSSL001a	373 / 728	27	16	21	352 / 708	24	12	17	765 / 993	23	12	17	792 / 1119	20	9	14
MSSL001b	866 / 1076	8	—	4	847 / 1055	17	—	19	437 / 605	22	0	19	409 / 740	22	0	19
MSSL002a	376 / 730	17	0	0	356 / 713	15	0	0	612 / 1084	14	0	0	792 / 1146	13	0	0
MSSL002b	376 / 730	26	0	0	356 / 713	25	0	0	612 / 1084	22	0	0	792 / 1146	22	0	0
MSSL002c	376 / 730	26	0	0	356 / 713	25	0	0	612 / 1084	22	0	0	792 / 1146	22	0	0
MSSL004a	788 / 880	9	—	—	768 / 860	9	—	—	709 / 901	6	—	—	671 / 817	12	—	—
MSSL004b	788 / 880	12	—	—	768 / 860	12	—	—	709 / 901	9	—	—	671 / 817	15	—	—
MSSL006a	373 / 857	17	0	0	353 / 837	17	0	0	631 / 993	13	—	—	647 / 1119	10	—	—
MSSL006b	373 / 857	17	0	0	352 / 837	17	0	0	631 / 993	13	—	—	647 / 1119	10	—	—
MSSL007a	373 / 766	17	0	0	353 / 746	17	0	0	680 / 964	12	—	—	733 / 1119	10	—	—
MSSL007b	373 / 766	17	0	0	352 / 746	17	0	0	680 / 964	13	—	—	733 / 1119	10	—	—
MSSL008a	452 / 621	—	12	12	434 / 601	—	11	11	772 / 1108	—	6	6	870 / 1144	—	6	6
MSSL008b	452 / 621	0	17	17	434 / 601	0	17	17	772 / 1108	—	12	12	870 / 1144	—	12	12
MSSL008c	452 / 621	0	20	20	434 / 601	0	20	20	772 / 1108	0	15	15	870 / 1144	0	15	15
MSSL009_1	903 / 1005	0	—	—	862 / 984	0	—	—	468 / 560	17	0	0	492 / 590	17	0	0
MSSL009_1a	903 / 1005	0	—	—	862 / 984	0	—	—	468 / 560	20	0	0	492 / 590	21	0	0
MSSL009_2	986 / 1076	0	—	—	966 / 1055	0	—	—	437 / 647	19	0	0	419 / 568	19	0	0
MSSL009_2a	986 / 1076	1	—	—	966 / 1055	1	—	—	437 / 647	22	0	0	419 / 568	22	0	0

Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	POR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
MSSL010	652/936	3	—	—	642/915	3	—	—	455/701	18	0	0	425/673	17	0	0
MSSL011a	766/840	—	12	12	746/820	—	12	11	669/740	—	11	10	639/710	—	10	5
MSSL011b	766/840	—	19	19	746/820	—	19	18	669/740	—	18	17	639/710	—	17	12
MSSL011c	766/840	—	19	19	746/820	—	19	18	669/740	—	18	18	639/710	—	18	13
MSSL012a	609/673	—	15	15	569/632	—	15	15	740/818	—	15	5	710/788	—	5	8
MSSL012b	609/673	—	21	21	589/662	—	21	21	740/818	—	21	12	710/788	—	12	15
MSSL012c	609/673	—	22	22	589/662	—	22	22	740/818	—	22	14	710/788	—	14	16
MSSL013a	861/961	—	8	8	843/941	—	8	8	665/902	—	8	4	637/873	—	4	14
MSSL013b	861/961	—	13	13	843/941	—	13	13	665/902	—	13	11	637/873	—	11	18
MSSL013c	861/961	—	15	15	843/941	—	15	15	665/902	—	15	12	637/873	—	12	20
MSSL014a	652/1034	—	2	2	631/1013	—	2	2	448/710	0	18	18	419/682	0	18	18
MSSL014b	652/1034	—	10	10	631/1013	—	10	10	448/710	0	25	25	419/682	0	24	24
MSSL014c	652/1034	—	11	11	631/1013	—	11	11	448/710	0	26	26	419/682	0	26	26
MSSL015	957/364	29	0	0	917/344	29	0	0	1003/1320	16	0	0	974/1293	14	—	—
MSSL016a	257/605	41	0	0	236/585	41	0	0	766/1105	36	0	0	737/1076	34	0	0
MSSL016b	257/605	23	0	0	236/585	23	0	0	766/1105	19	0	0	737/1076	16	0	0
MSSL017	203/675	33	0	0	184/655	33	0	0	695/1188	27	0	0	666/1160	26	0	0
MSSL018	203/1034	25	0	0	184/1013	25	0	0	448/1188	25	0	0	419/1160	25	0	0
MSSL019	203/1034	20	0	0	184/1013	20	0	0	448/1188	20	0	0	419/1160	19	0	0
MSSV001	665/665	14	14	14	644/644	14	14	14	702/703	1	1	1	673/674	1	1	1
MSSV002	661/661	16	16	16	640/641	17	17	17	709/711	0	0	0	680/682	0	0	0
MSSV003	659/659	14	14	14	638/638	14	14	14	714/714	0	0	0	684/685	0	0	0
MSSV004	650/651	27	27	27	629/630	27	27	27	727/729	8	8	8	697/700	8	8	8
MSSV005	644/645	27	27	27	624/625	27	27	27	741/743	7	7	7	711/714	7	7	7
MSSV006	674/674	9	9	9	653/653	10	10	10	725/725	0	0	0	695/695	0	0	0
MSSV007	670/670	27	27	27	649/649	27	27	27	728/728	7	7	7	699/699	7	7	7
MSSV008	669/669	26	26	26	649/649	27	27	27	729/729	7	7	7	699/699	7	7	7
MSSV009	767/767	0	0	0	747/747	0	0	0	617/617	14	14	14	587/587	13	13	13
MSSV010	716/716	13	13	13	696/696	13	13	13	749/752	0	0	0	719/722	0	0	0
MSSV011	750/751	2	2	2	729/730	2	2	2	673/676	6	6	6	643/646	6	6	6
MSSV012	742/743	0	0	0	722/722	0	0	0	718/721	9	9	9	688/691	9	9	9
MSSV013	741/741	0	0	0	721/721	0	0	0	733/735	11	11	11	703/705	10	10	10
MSSV014	767/767	0	0	0	766/766	0	0	0	615/615	16	16	16	585/585	17	17	17
MSSV015	927/931	0	0	0	907/911	0	0	0	508/510	19	19	19	478/480	17	17	17
MSSV016	951/952	0	0	0	930/931	0	0	0	541/545	0	0	0	512/516	0	0	0
MSSV017	979/980	0	—	—	959/960	0	—	—	481/485	24	—	—	451/455	25	—	—
MSSV018	977/979	0	—	—	957/958	0	—	—	488/494	30	—	—	458/464	30	—	—



Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)		
MSSP003	811	0	0	0	564	0	0	0	574	0	0	0	542	0	0	0		
MSSP004	814	0	0	0	560	0	0	0	559	0	0	0	528	0	0	0		
MSSP005	815	0	0	0	558	0	0	0	553	0	0	0	521	0	0	0		
MSSP006	816	0	0	0	557	0	0	0	550	0	0	0	518	0	0	0		
MSSP007	818	0	0	0	555	0	0	0	542	0	0	0	511	0	0	0		
MSSP008	797	19	19	4	566	4	4	4	596	2	2	2	664	0	0	0		
MSSP012	778	15	15	0	527	0	0	0	583	0	0	0	617	0	0	0		
MSSP013	744	15	15	0	545	0	0	0	566	0	0	0	534	0	0	0		
MSSP014	790	11	11	8	487	8	8	8	433	17	17	17	402	18	18	17		
MSSP015	778	11	11	8	475	8	8	8	426	18	18	18	394	17	17	17		
MSSP016	715	0	0	0	520	0	0	0	617	0	0	0	585	0	0	0		
MSSP017	715	0	0	0	518	0	0	0	613	0	0	0	581	0	0	0		
MSSP018	713	0	0	0	514	0	0	0	607	0	0	0	575	0	0	0		
MSSP019	713	0	0	0	513	0	0	0	605	0	0	0	574	0	0	0		
MSSP020	699	6	6	7	507	7	7	7	610	4	4	4	578	1	1	1		
MSSP021	682	0	0	0	490	0	0	0	602	0	0	0	570	0	0	0		
MSSP022	676	12	12	13	489	13	13	13	477	12	12	12	576	6	6	6		
MSSP023	667	12	12	13	479	13	13	13	467	13	13	13	568	6	6	6		
MSSP024	725	16	16	0	496	0	0	0	557	0	0	0	525	0	0	0		
MSSP025	708	16	16	0	480	0	0	0	550	0	0	0	518	0	0	0		
MSSP026	692	16	16	0	465	0	0	0	543	0	0	0	512	0	0	0		
MSSP027	712	0	0	0	443	0	0	0	471	17	17	17	439	17	17	16		
MSSP028	709	16	16	—	432	25	—	—	411	25	—	—	455	36	—	—		
MSSP029	717	5	5	7	439	7	7	7	455	17	17	17	423	18	18	16		
MSSP030	727	12	12	7	434	7	7	7	410	18	18	18	393	18	18	17		
MSSP031	736	8	8	7	432	7	7	7	407	7	7	7	373	19	19	17		
MSSP032	752	0	0	8	442	8	8	8	416	18	18	18	364	19	19	18		
MSSP034	646	1	1	5	409	5	5	5	393	5	5	5	473	3	3	2		
MSSP035	651	8	8	11	397	11	11	11	476	16	16	16	444	12	12	10		
MSSP036	653	2	2	3	391	3	3	3	372	1	1	1	430	6	6	8		
MSSP040	624	34	34	28	382	28	28	28	366	27	27	26	454	26	26	24		
MSSP041	627	3	3	6	374	6	6	6	357	5	5	5	437	6	6	6		
MSSP042	615	13	13	12	380	12	12	12	364	8	8	9	462	7	7	8		
MSSP043	604	8	8	1	379	1	1	1	366	0	0	0	476	0	0	0		
MSSP044	612	3	3	6	359	6	6	6	463	10	10	10	432	6	6	6		
MSSP045	634	0	0	0	339	0	0	0	394	14	14	14	362	10	10	8		
MSSP046	606	3	3	7	327	7	7	7	447	11	11	11	416	7	7	8		
MSSP047	567	21	21	13	363	13	13	13	502	5	5	5	472	5	5	7		
MSSP048	582	5	5	0	359	0	0	0	501	0	0	0	471	0	0	0		
MSSP049	576	12	12	0	353	0	0	0	498	0	0	0	468	0	0	0		
MSSP050	566	18	18	21	342	21	21	21	329	22	22	22	463	6	6	6		
MSSP051	575	13	13	22	314	22	22	22	297	18	18	18	439	7	7	8		
MSSP052	578	13	13	19	310	19	19	19	293	18	18	18	429	7	7	8		
MSSP053a	603	29	29	—	325	20	—	—	306	21	—	—	387	36	—	—		
MSSP053b	603	29	29	—	325	20	—	—	306	21	—	—	387	36	—	—		
MSSP054	584	0	0	0	286	0	0	0	278	0	0	0	369	0	0	0		
MSSP055	596	0	0	0	291	0	0	0	269	0	0	0	338	0	0	0		
MSSP056	613	0	0	0	288	0	0	0	329	4	4	4	428	3	3	3		
MSSP057	544	15	15	19	299	19	19	19	458	4	4	4	508	4	4	3		
MSSP058	533	20	20	24	296	24	24	24	284	24	24	24	437	10	10	10		
MSSP059	530	20	20	24	294	24	24	24	281	24	24	24	436	10	10	10		
MSSP060	542	14	14	21	291	21	21	21	276	20	20	20	446	3	3	2		
MSSP061	541	14	14	21	290	21	21	21	275	20	20	20	447	3	3	2		
MSSP062	540	14	14	22	288	22	22	22	274	20	20	20	446	3	3	3		

Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)		
MSSP063	538	14	14	22	273	21	21	22	446	3	3	3	416	3	3	3		
MSSP064	537	14	14	22	286	22	22	22	446	3	3	3	416	3	3	3		
MSSP065	540	0	0	6	268	9	6	6	438	0	0	0	409	0	0	0		
MSSP066	529	0	0	0	273	1	0	0	437	0	0	0	408	0	0	0		
MSSP067	513	15	15	23	283	19	23	23	483	14	14	14	454	8	8	7		
MSSP068	508	14	14	24	267	19	24	24	455	14	14	14	507	12	12	12		
MSSP069	517	6	—	—	240	15	—	—	428	15	—	—	399	15	—	—		
MSSP070	470	25	—	—	255	33	—	—	480	12	—	—	453	11	—	—		
MSSP071	560	7	7	11	280	5	11	11	407	0	0	0	378	0	0	0		
MSSP072	601	0	0	13	263	13	13	13	303	16	16	16	273	14	14	12		
MSSP073	552	7	7	16	250	16	16	16	372	9	9	9	343	7	7	7		
MSSP074	567	6	6	16	244	16	16	16	335	13	13	13	306	11	11	11		
MSSP075	543	7	7	18	236	18	18	18	366	14	14	14	337	12	12	10		
MSSP076	526	8	8	4	237	4	4	4	392	0	0	0	363	0	0	0		
MSSP077	568	0	0	13	229	13	13	13	307	16	16	16	278	14	14	11		
MSSP078	531	14	14	26	214	26	26	26	351	16	16	16	323	17	17	15		
MSSP079	537	14	14	203	203	25	25	25	324	22	22	22	296	20	20	18		
MSSP080	499	8	8	19	205	19	19	19	387	6	6	6	360	1	1	0		
MSSP081	506	8	8	200	200	20	20	20	371	7	7	7	344	0	0	0		
MSSP082a	507	24	24	30	189	30	30	30	355	23	23	23	329	23	23	21		
MSSP082b	509	11	11	18	189	18	18	18	353	14	14	14	327	15	15	13		
MSSP083a	512	11	11	190	190	23	23	23	348	24	24	24	322	23	23	20		
MSSP083b	510	0	0	6	167	7	6	6	350	2	2	2	323	2	2	0		
MSSP086	492	0	0	3	247	3	3	3	448	0	0	0	420	0	0	0		
MSSP087	490	1	1	5	251	5	5	5	455	0	0	0	427	0	0	0		
MSSP088a	504	17	17	25	191	25	25	25	362	20	20	20	335	20	20	19		
MSSP088b	505	13	13	20	190	20	20	20	360	16	16	16	333	17	17	15		
CR101	1298	29	—	—	998	34	—	—	827	35	—	—	804	35	—	—		
CR102	1310	17	—	—	1008	20	—	—	830	23	—	—	807	22	—	—		
CR103	1288	31	—	—	991	34	—	—	826	36	—	—	803	37	—	—		
CR104	1295	14	—	—	999	16	—	—	834	19	—	—	811	20	—	—		
CR105	1281	14	—	—	984	18	—	—	818	20	—	—	795	20	—	—		
MSSL001a	763 / 1089	20	9	443 / 849	25	14	18	18	416 / 834	25	14	15	294 / 849	26	15	19		
MSSL001b	389 / 713	21	0	161 / 411	30	0	27	27	199 / 603	24	0	21	167 / 573	23	0	18		
MSSL002a	763 / 1118	12	0	443 / 836	17	0	0	0	270 / 847	18	0	0	250 / 816	17	0	0		
MSSL002b	763 / 1117	20	0	443 / 836	25	0	0	0	270 / 847	27	0	0	250 / 816	26	0	0		
MSSL002c	763 / 1118	21	0	443 / 836	25	0	0	0	270 / 847	27	0	0	250 / 816	26	0	0		
MSSL004a	642 / 791	11	—	296 / 413	22	0	0	0	144 / 336	22	0	0	117 / 304	22	0	0		
MSSL004b	642 / 791	14	0	296 / 413	25	0	0	0	144 / 336	25	0	0	117 / 304	25	0	0		
MSSL006a	618 / 1089	9	—	324 / 849	17	0	0	0	304 / 860	18	0	0	272 / 848	18	0	0		
MSSL006b	618 / 1089	9	—	324 / 849	17	0	0	0	304 / 860	18	0	0	272 / 848	18	0	0		
MSSL007a	703 / 1089	9	—	411 / 849	9	—	—	—	359 / 880	16	0	0	327 / 848	17	0	0		
MSSL007b	703 / 1089	9	—	411 / 849	9	—	—	—	359 / 880	16	0	0	327 / 848	17	0	0		
MSSL008a	840 / 1116	—	5	570 / 774	—	11	11	11	422 / 615	0	13	13	402 / 585	—	11	11		
MSSL008b	840 / 1116	—	14	570 / 774	0	16	16	16	422 / 615	0	19	19	402 / 585	0	17	17		
MSSL008c	840 / 1115	0	14	570 / 774	0	20	20	20	422 / 615	0	22	22	402 / 585	0	20	20		
MSSL009_1	462 / 560	17	0	202 / 349	24	0	0	0	406 / 511	13	0	0	378 / 481	10	—	—		
MSSL009_1a	462 / 560	19	0	202 / 349	27	0	0	0	406 / 511	17	0	0	378 / 481	13	—	—		
MSSL009_2	389 / 541	18	0	161 / 234	28	0	0	0	292 / 498	21	0	0	266 / 474	21	0	0		
MSSL009_2a	389 / 541	18	0	161 / 234	28	0	0	0	292 / 498	21	0	0	266 / 474	21	0	0		
MSSL009_2b	389 / 541	21	0	161 / 234	31	0	0	0	292 / 498	24	0	0	266 / 474	23	0	0		

Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)		
MSSL010	527/809	16	0	314/581	12	303/563	10	493/611	0	464/579	0	544/652	0	544/652	0	544/652		
MSSL011a	647/725	5	19	332/406	—	305/379	—	316/383	—	284/351	—	358/422	—	358/422	—	358/422		
MSSL011b	647/725	—	25	332/406	—	305/379	—	316/383	—	284/351	—	358/422	—	358/422	—	358/422		
MSSL011c	647/725	—	26	332/406	—	305/379	—	316/383	—	284/351	—	358/422	—	358/422	—	358/422		
MSSL012a	791/860	8	7	506/566	—	480/542	—	443/531	—	412/500	—	471/559	—	471/559	—	471/559		
MSSL012b	791/860	—	14	506/566	—	480/542	—	443/531	—	412/500	—	471/559	—	471/559	—	471/559		
MSSL012c	791/860	—	15	506/566	—	480/542	—	443/531	—	412/500	—	471/559	—	471/559	—	471/559		
MSSL013a	567/792	—	13	214/414	—	185/381	—	143/297	—	116/266	—	162/344	—	162/344	—	162/344		
MSSL013b	567/792	—	28	214/414	—	185/381	—	143/297	—	116/266	—	162/344	—	162/344	—	162/344		
MSSL013c	567/792	—	18	214/414	—	185/381	—	143/297	—	116/266	—	162/344	—	162/344	—	162/344		
MSSL014a	428/820	0	17	214/591	0	207/573	0	214/591	0	207/573	0	505/649	—	505/649	—	505/649		
MSSL014b	428/820	0	24	214/591	0	207/573	0	214/591	0	207/573	0	505/649	—	505/649	—	505/649		
MSSL014c	428/820	0	24	214/591	0	207/573	0	214/591	0	207/573	0	505/649	—	505/649	—	505/649		
MSSL015	1098/1450	10	—	819/1178	12	794/1162	11	709/1035	15	682/1011	15	720/1034	14	720/1034	14	720/1034		
MSSL016a	859/1209	32	0	606/935	34	585/910	34	550/815	36	526/788	36	550/815	35	550/815	35	550/815		
MSSL016b	858/1209	13	0	606/935	16	584/910	16	550/815	20	526/788	18	549/821	18	549/821	18	549/821		
MSSL017	801/1269	24	0	496/970	25	470/942	25	424/815	29	393/789	29	450/821	28	450/821	28	450/821		
MSSL018	428/1269	24	0	180/970	31	155/942	31	144/880	28	137/849	27	163/908	26	163/908	26	163/908		
MSSL019	428/1270	18	0	180/970	25	155/942	25	144/881	23	117/849	22	163/908	21	163/908	21	163/908		
MSSV001	804/804	3	0	569/570	0	551/551	0	595/597	0	563/565	0	628/630	0	628/630	0	628/630		
MSSV002	805/806	0	0	565/566	0	546/547	0	584/587	0	552/555	0	617/619	0	617/619	0	617/619		
MSSV003	806/807	0	0	564/564	0	544/544	0	579/580	0	548/548	0	612/612	0	612/612	0	612/612		
MSSV004	812/813	6	6	561/562	9	540/542	10	564/567	11	532/535	11	595/598	9	595/598	9	595/598		
MSSV005	817/817	6	6	556/557	9	534/535	10	545/549	13	514/517	12	575/579	10	575/579	10	575/579		
MSSV006	788/788	0	2	522/522	2	500/500	2	518/518	12	486/486	12	549/549	10	549/549	10	549/549		
MSSV007	792/792	6	6	525/525	21	504/504	21	520/520	28	488/488	27	551/551	28	551/551	28	551/551		
MSSV008	793/793	6	6	526/526	18	505/505	18	520/520	25	489/489	25	552/552	25	552/552	25	552/552		
MSSV009	698/698	12	12	470/470	0	453/453	0	545/545	0	514/514	0	586/586	0	586/586	0	586/586		
MSSV010	762/763	0	0	457/457	0	431/431	0	411/411	7	379/381	7	442/445	6	442/445	6	442/445		
MSSV011	713/714	4	4	441/442	9	420/421	10	465/469	27	433/437	27	503/507	26	503/507	26	503/507		
MSSV012	731/732	8	8	432/433	5	406/408	6	412/416	20	380/384	20	447/451	19	447/451	19	447/451		
MSSV013	738/739	6	6	431/431	6	406/406	7	396/399	20	364/367	20	430/433	19	430/433	19	430/433		
MSSV014	675/675	11	11	435/435	6	417/417	5	510/510	3	478/478	2	552/552	1	552/552	1	552/552		
MSSV015	530/534	17	21	311/314	4	300/304	4	489/490	0	460/460	0	540/540	0	540/540	0	540/540		
MSSV016	517/518	0	0	267/254	11	237/240	11	422/427	2	394/399	4	474/479	4	474/479	4	474/479		
MSSV017	482/483	24	—	252/270	32	259/263	32	481/486	0	453/458	0	534/539	0	534/539	0	534/539		
MSSV018	484/486	29	—	261/265	37	252/257	37	471/478	6	443/450	6	524/531	4	524/531	4	524/531		

Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
MSSP003	578	0	0	673	0	0	647	0	0	1195	12	12	1176	10	10
MSSP004	563	0	0	657	0	0	631	0	0	1178	12	12	1159	10	10
MSSP005	556	0	0	624	2	2	650	2	2	1171	12	12	1151	10	10
MSSP006	553	1	1	647	2	2	620	1	1	1167	12	12	1148	10	10
MSSP007	545	4	4	638	6	6	611	4	4	1158	12	12	1138	10	10
MSSP008	604	1	1	700	0	0	675	0	0	1230	0	0	1211	0	0
MSSP012	592	0	0	689	0	0	665	0	0	1232	0	0	1213	0	0
MSSP013	578	0	0	678	0	0	654	0	0	1242	0	0	1223	0	0
MSSP014	435	17	17	529	22	22	502	16	16	1086	13	13	1067	11	11
MSSP015	429	17	17	524	22	22	498	16	16	1090	13	13	1071	11	11
MSSP016	634	0	0	736	0	0	713	0	0	1313	3	3	1284	3	3
MSSP017	630	0	0	732	0	0	709	0	0	1309	0	0	1280	0	0
MSSP018	624	0	0	726	0	0	703	0	0	1304	0	0	1285	0	0
MSSP019	622	0	0	724	0	0	702	0	0	1303	2	2	1284	2	2
MSSP020	629	0	0	731	3	3	709	0	0	1317	0	0	1288	0	0
MSSP021	622	0	0	725	0	0	703	0	0	1321	0	0	1302	0	0
MSSP022	629	6	6	732	9	9	711	5	5	1331	2	2	1312	2	2
MSSP023	621	5	5	725	9	9	704	5	5	1329	2	2	1310	2	2
MSSP024	572	0	0	672	0	0	649	0	0	1248	0	0	1229	0	0
MSSP025	566	0	0	668	0	0	645	0	0	1254	0	0	1235	0	0
MSSP026	561	0	0	663	0	0	641	0	0	1259	0	0	1240	0	0
MSSP027	485	16	16	586	20	20	563	15	15	1182	0	0	1163	0	0
MSSP028	469	34	34	570	34	34	547	33	33	1171	19	19	1152	19	19
MSSP029	468	16	16	568	21	21	545	15	15	1165	0	0	1146	0	0
MSSP030	436	17	17	535	21	21	512	16	16	1133	0	0	1114	0	0
MSSP031	413	18	18	512	22	22	488	16	16	1111	0	0	1092	0	0
MSSP032	402	18	18	499	22	22	475	16	16	1091	13	13	1072	11	11
MSSP034	527	2	2	631	0	0	611	1	1	1258	0	0	1239	0	0
MSSP035	497	11	11	602	14	14	581	9	9	1231	7	7	1212	3	3
MSSP036	482	5	5	587	9	9	566	4	4	1218	1	1	1199	0	0
MSSP040	510	24	24	616	24	24	596	23	23	1256	20	20	1237	20	20
MSSP041	493	5	5	598	9	9	578	4	4	1241	1	1	1222	0	0
MSSP042	519	6	6	624	8	8	605	5	5	1268	3	3	1249	3	3
MSSP043	534	0	0	640	0	0	621	0	0	1286	0	0	1268	0	0
MSSP044	490	5	5	595	9	9	576	4	4	1247	1	1	1228	0	0
MSSP045	418	9	9	523	12	12	504	7	7	1182	4	4	1163	0	0
MSSP046	474	6	6	580	9	9	561	4	4	1238	1	1	1219	0	0
MSSP047	531	6	6	619	6	6	619	4	4	1293	1	1	1274	1	1
MSSP048	531	0	0	637	0	0	619	0	0	1295	0	0	1277	0	0
MSSP049	528	0	0	635	0	0	617	0	0	1296	0	0	1278	0	0
MSSP050	524	7	7	631	11	11	613	11	11	1298	8	8	1279	8	8
MSSP051	470	12	12	577	14	14	560	14	14	1252	9	9	1233	5	5
MSSP052	460	12	12	566	14	14	549	14	14	1243	9	9	1224	5	5
MSSP053a	446	35	35	552	34	34	534	33	33	1219	17	17	1201	17	17
MSSP053b	446	35	35	552	34	34	534	33	33	1219	17	17	1201	17	17
MSSP054	430	2	2	537	4	4	520	4	4	1219	4	4	1200	0	0
MSSP055	399	3	3	506	6	6	489	8	8	1192	4	4	1173	0	0
MSSP056	358	6	6	465	7	7	448	9	9	1156	4	4	1138	0	0
MSSP057	492	3	3	599	4	4	583	3	3	1284	4	4	1266	3	3
MSSP058	501	9	9	608	10	10	592	9	9	1296	14	14	1278	11	11
MSSP059	501	10	10	608	10	10	592	9	9	1297	14	14	1279	11	11
MSSP060	481	2	2	587	2	2	572	2	2	1276	1	1	1258	1	1
MSSP061	481	2	2	588	2	2	572	2	2	1277	1	1	1258	1	1
MSSP062	481	2	2	588	2	2	572	2	2	1278	0	0	1259	0	0

Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR006			OPOR007			OPOR008			OPOR008					
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)			
MSSP063	481	2	2	588	2	2	572	2	2	1278	0	0	1260	0	0
MSSP064	481	3	3	588	3	3	572	3	3	1279	0	0	1261	0	0
MSSP065	473	0	0	580	0	0	565	0	0	1272	0	0	1254	0	0
MSSP066	474	0	0	580	0	0	566	0	0	1277	0	0	1259	0	0
MSSP067	519	7	7	626	8	8	611	8	8	1319	4	4	1301	4	4
MSSP068	493	7	7	600	9	9	585	5	5	1301	2	2	1283	2	2
MSSP069	468	11	11	572	10	10	558	10	10	1278	4	4	1259	4	4
MSSP070	522	10	10	628	10	10	615	10	10	1340	1	1	1322	1	1
MSSP071	441	0	0	548	0	0	532	0	0	1239	0	0	1221	0	0
MSSP072	336	12	12	443	13	13	427	10	10	1151	4	4	1133	0	0
MSSP073	408	7	7	515	5	5	501	5	5	1221	1	1	1203	0	0
MSSP074	372	11	11	478	10	10	464	9	9	1190	1	1	1172	0	0
MSSP075	404	10	10	510	12	12	497	7	7	1223	0	0	1205	0	0
MSSP076	430	0	0	537	0	0	524	0	0	1249	0	0	1231	0	0
MSSP077	346	12	12	452	13	13	439	10	10	1175	4	4	1157	0	0
MSSP078	392	15	15	498	18	18	485	13	13	1222	3	3	1204	3	3
MSSP079	366	18	18	472	18	18	460	16	16	1203	9	9	1186	6	6
MSSP080	430	0	0	535	0	0	524	0	0	1262	0	0	1244	0	0
MSSP081	414	0	0	519	0	0	508	0	0	1248	0	0	1230	0	0
MSSP082a	399	15	15	505	15	15	494	12	12	1238	0	0	1220	0	0
MSSP082b	397	4	4	502	2	2	491	2	2	1236	0	0	1219	0	0
MSSP083a	392	14	14	498	15	15	487	10	10	1232	0	0	1214	0	0
MSSP083b	394	0	0	499	0	0	488	0	0	1234	0	0	1216	0	0
MSSP086	488	0	0	595	0	0	581	0	0	1305	0	0	1287	0	0
MSSP087	495	0	0	602	0	0	589	0	0	1311	0	0	1293	0	0
MSSP088a	406	13	13	511	14	14	500	11	11	1244	0	0	1226	0	0
MSSP088b	404	6	6	509	5	5	498	4	4	1242	0	0	1224	0	0
CR101	793	35	35	838	35	35	806	35	35	956	38	38	938	33	33
CR102	795	23	23	837	28	28	805	26	26	942	35	35	924	23	23
CR103	793	37	37	840	36	36	808	37	37	971	40	40	953	34	34
CR104	801	20	20	848	19	19	816	20	20	975	23	23	957	18	18
CR105	785	20	20	832	19	19	800	20	20	968	23	23	949	18	18
MSSL001a	377/880	26	15	406/969	25	14	380/941	24	13	967/1372	21	10	968/1353	19	8
MSSL001b	215/635	21	0	320/741	20	0	300/724	19	0	1017/1396	7	4	999/1377	7	4
MSSL002a	235/844	17	0	295/931	18	0	264/902	17	0	792/1332	14	0	773/1313	13	0
MSSL002b	235/844	26	0	295/931	26	0	264/902	26	0	792/1332	22	0	773/1313	21	0
MSSL002c	235/844	26	0	295/931	26	0	264/902	26	0	792/1332	23	0	773/1313	21	0
MSSL004a	134/349	20	0	232/450	19	0	209/428	18	0	925/1110	8	0	908/1092	7	0
MSSL004b	134/349	23	0	232/450	22	0	209/428	21	0	925/1110	11	0	908/1092	10	0
MSSL006a	324/879	17	0	429/968	16	0	409/940	16	0	1049/1371	12	0	1030/1352	10	0
MSSL006b	324/879	17	0	429/968	16	0	409/940	16	0	1049/1371	12	0	1030/1352	10	0
MSSL007a	367/879	16	0	466/968	15	0	443/940	14	0	1049/1371	11	0	1030/1352	9	0
MSSL007b	367/879	16	0	466/968	15	0	443/940	14	0	1049/1371	11	0	1030/1352	9	0
MSSL008a	383/604	10	10	427/685	0	13	395/655	0	13	801/1134	0	11	782/1115	0	10
MSSL008b	383/604	0	16	427/685	0	18	395/655	0	17	801/1134	0	16	782/1115	0	14
MSSL008c	383/604	0	20	427/685	0	21	395/655	0	20	801/1134	0	19	782/1115	0	17
MSSL009_1	445/543	4	—	551/649	5	—	537/635	2	—	1259/1351	0	—	1241/1333	0	—
MSSL009_1a	445/543	7	—	551/649	9	—	537/635	5	—	1259/1351	0	—	1241/1333	0	—
MSSL009_2	337/546	18	0	442/650	18	0	432/641	16	0	1186/1387	4	—	1168/1369	3	—
MSSL009_2a	337/546	21	0	442/650	21	0	432/641	19	0	1186/1387	7	—	1168/1369	6	—

Table MSS1a: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
MSSL010	528 / 635	0	—	—	635 / 741	0	—	—	619 / 724	0	—	—	1234 / 1396	0	—
MSSL011a	336 / 398	—	22	20	440 / 502	—	20	20	420 / 480	—	20	15	1088 / 1153	—	13
MSSL011b	336 / 398	—	28	26	440 / 502	—	26	26	420 / 480	—	26	20	1069 / 1134	—	18
MSSL011c	336 / 398	—	15	27	440 / 502	—	27	27	420 / 480	—	27	22	1069 / 1134	—	19
MSSL012a	443 / 531	—	28	16	534 / 623	—	16	16	508 / 596	—	15	12	1067 / 1143	—	10
MSSL012b	443 / 531	—	22	22	534 / 623	—	22	22	508 / 596	—	21	18	1048 / 1123	—	16
MSSL012c	443 / 531	—	23	23	534 / 623	—	23	23	508 / 596	—	19	19	1048 / 1123	—	17
MSSL013a	134 / 326	—	18	18	231 / 433	—	18	18	208 / 416	—	6	6	907 / 1145	—	6
MSSL013b	134 / 326	—	24	24	231 / 433	—	24	24	208 / 416	—	12	12	907 / 1145	—	11
MSSL013c	134 / 326	—	25	25	231 / 433	—	25	25	208 / 416	—	13	13	907 / 1145	—	13
MSSL014a	494 / 622	—	5	7	599 / 718	—	7	7	588 / 692	—	0	0	1212 / 1354	—	0
MSSL014b	494 / 622	—	12	14	599 / 718	—	14	14	588 / 692	—	4	4	1212 / 1354	—	4
MSSL014c	494 / 622	—	14	16	599 / 718	—	16	16	588 / 692	—	6	6	1212 / 1354	—	5
MSSL015	688 / 1003	14	—	—	756 / 1050	14	—	—	724 / 1018	14	—	—	1037 / 1097	12	—
MSSL016a	518 / 790	36	0	0	572 / 850	39	0	0	540 / 818	35	0	0	866 / 1184	32	0
MSSL016b	518 / 790	18	0	0	572 / 850	20	0	0	540 / 818	18	0	0	865 / 1184	14	0
MSSL017	422 / 789	28	0	0	514 / 850	28	0	0	487 / 818	28	0	0	865 / 1217	25	0
MSSL018	134 / 880	26	0	0	232 / 969	26	0	0	207 / 941	25	0	0	773 / 1354	18	0
MSSL019	134 / 880	21	0	0	232 / 969	20	0	0	207 / 941	20	0	0	773 / 1354	13	0
MSSV001	602 / 604	0	0	0	686 / 688	0	0	0	672 / 674	0	0	0	1223 / 1225	10	0
MSSV002	590 / 593	0	0	0	686 / 688	0	0	0	660 / 663	0	0	0	1210 / 1213	14	0
MSSV003	585 / 586	0	0	0	680 / 681	0	0	0	654 / 655	0	0	0	1205 / 1206	0	0
MSSV004	568 / 571	9	9	12	662 / 666	12	12	12	636 / 640	10	10	10	1184 / 1187	24	24
MSSV005	548 / 552	11	11	11	641 / 645	16	16	16	615 / 619	12	12	12	1161 / 1165	24	24
MSSV006	523 / 523	10	10	11	618 / 618	11	11	11	593 / 593	10	10	10	1160 / 1160	7	7
MSSV007	525 / 525	28	28	28	620 / 620	28	28	28	594 / 594	27	27	27	1159 / 1159	24	24
MSSV008	525 / 525	25	25	27	620 / 620	27	27	27	594 / 594	26	26	26	1159 / 1159	21	21
MSSV009	563 / 563	0	0	0	665 / 665	0	0	0	642 / 642	0	0	0	1257 / 1257	0	0
MSSV010	415 / 418	8	8	8	512 / 515	8	8	8	487 / 490	8	8	8	1092 / 1095	8	8
MSSV011	479 / 482	26	26	24	579 / 583	24	24	24	556 / 560	24	24	24	1176 / 1179	0	0
MSSV012	422 / 426	19	19	19	521 / 525	17	17	17	497 / 501	17	17	17	1119 / 1123	0	0
MSSV013	405 / 407	19	19	18	503 / 506	18	18	18	479 / 482	18	18	18	1102 / 1105	0	0
MSSV014	529 / 529	1	1	2	632 / 632	2	2	2	611 / 611	0	0	0	1242 / 1242	0	0
MSSV015	524 / 524	0	0	0	631 / 631	0	0	0	615 / 615	0	0	0	1313 / 1315	0	0
MSSV016	461 / 465	3	3	3	567 / 572	3	3	3	553 / 558	0	0	0	1273 / 1278	0	0
MSSV017	521 / 526	0	—	—	628 / 633	0	—	—	614 / 619	0	—	—	1334 / 1338	0	—
MSSV018	511 / 518	4	—	—	618 / 625	2	—	—	604 / 611	2	—	—	1325 / 1331	0	—

**Table MSS2a: Acoustic Assessment Summary - Overall Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 1**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	47	35	35	No	50	50	45	Yes
OPOR001	Outdoor Class 2	47	35	35	No	50	45	—	Yes
POR002	2 Storey Class 3	44	39	39	No	45	40	40	Yes
OPOR002	Outdoor Class 3	43	38	38	No	45	40	—	Yes
POR003	2 Storey Class 3	42	39	39	No	45	40	40	Yes
OPOR003	Outdoor Class 3	41	37	37	No	45	40	—	Yes
POR004	1 1/2 Storey Class 3	45	40	40	No	45	40	40	Yes
OPOR004	Outdoor Class 3	45	40	40	No	45	40	—	Yes
POR005	1 1/2 Storey Class 3	45	39	39	No	45	40	40	Yes
OPOR005	Outdoor Class 3	45	39	39	No	45	40	—	Yes
POR006	1 Storey Class 3	44	37	38	No	45	40	40	Yes
OPOR006	Outdoor Class 3	44	37	37	No	45	40	—	Yes
POR007	2 Storey Class 3	45	38	38	No	45	40	40	Yes
OPOR007	Outdoor Class 3	44	36	36	No	45	40	—	Yes
POR008	2 Storey Class 3	44	33	33	No	45	40	40	Yes
OPOR008	Outdoor Class 3	39	31	31	No	45	40	—	Yes

Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	POR001				OPOR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
MSSP003	653	13	13	13	633	14	14	14	722	0	0	0	693	0	0	0	841	0	0	0
MSSP004	649	13	13	13	628	14	14	14	732	0	0	0	703	0	0	0	844	0	0	0
MSSP005	647	13	13	13	626	14	14	14	737	0	0	0	708	0	0	0	845	0	0	0
MSSP006	646	13	13	13	625	14	14	14	740	0	0	0	710	0	0	0	846	0	0	0
MSSP007	644	13	13	13	623	14	14	14	746	0	0	0	716	0	0	0	848	0	0	0
MSSP008	673	20	20	20	652	20	20	20	695	20	20	20	666	20	20	20	826	23	23	23
MSSP012	690	0	0	0	669	1	1	1	681	18	18	18	652	16	16	16	807	16	16	16
MSSP013	723	0	0	0	702	0	0	0	653	18	18	18	624	17	17	17	773	17	17	17
MSSP014	696	12	12	12	665	13	13	13	702	11	11	11	738	11	11	11	819	11	11	11
MSSP015	698	12	12	12	677	13	13	13	760	11	11	11	730	12	12	12	808	11	11	11
MSSP016	767	11	11	11	746	12	12	12	595	3	3	3	567	2	2	2	744	0	0	0
MSSP017	765	2	2	2	744	2	2	2	598	0	0	0	569	0	0	0	744	0	0	0
MSSP018	765	1	1	1	744	1	1	1	600	0	0	0	571	0	0	0	743	0	0	0
MSSP019	764	11	11	11	743	12	12	12	600	0	0	0	571	0	0	0	743	0	0	0
MSSP020	781	2	2	2	760	2	2	2	583	10	10	10	554	8	8	8	729	8	8	8
MSSP021	796	0	0	0	775	0	0	0	570	4	4	4	541	1	1	1	712	1	1	1
MSSP022	805	7	7	7	784	6	6	6	560	16	16	16	531	14	14	14	705	14	14	14
MSSP023	811	7	7	7	790	6	6	6	556	17	17	17	527	14	14	14	696	15	15	15
MSSP024	740	0	0	0	720	0	0	0	639	18	18	18	609	17	17	17	755	17	17	17
MSSP025	757	0	0	0	736	0	0	0	625	19	19	19	596	17	17	17	738	17	17	17
MSSP026	772	0	0	0	752	0	0	0	613	19	19	19	583	18	18	18	722	18	18	18
MSSP027	751	0	0	0	730	0	0	0	671	4	4	4	641	4	4	4	742	0	0	0
MSSP028	756	14	14	14	735	14	14	14	676	14	14	14	646	14	14	14	739	16	16	16
MSSP029	748	0	0	0	728	0	0	0	684	3	3	3	654	3	3	3	747	5	5	5
MSSP030	744	0	0	0	723	0	0	0	709	12	12	12	679	12	12	12	757	12	12	12
MSSP031	742	0	0	0	721	0	0	0	728	12	12	12	698	12	12	12	765	9	9	9
MSSP032	730	12	12	12	710	12	12	12	748	0	0	0	718	0	0	0	781	0	0	0
MSSP034	817	0	0	0	796	0	0	0	590	5	5	5	560	5	5	5	675	1	1	1
MSSP035	811	1	1	1	791	0	0	0	611	14	14	14	581	11	11	11	680	13	13	13
MSSP036	810	0	0	0	790	1	1	1	621	8	8	8	591	6	6	6	682	7	7	7
MSSP040	837	19	19	19	817	19	19	19	582	36	36	36	552	35	35	35	654	36	36	36
MSSP041	835	0	0	0	815	0	0	0	594	8	8	8	564	5	5	5	657	3	3	3
MSSP042	846	0	0	0	826	0	0	0	570	16	16	16	540	14	14	14	645	16	16	16
MSSP043	858	0	0	0	837	0	0	0	553	11	11	11	523	9	9	9	634	10	10	10
MSSP044	851	0	0	0	830	0	0	0	585	8	8	8	555	5	5	5	642	3	3	3
MSSP045	841	2	2	2	820	2	2	2	642	0	0	0	612	0	0	0	663	0	0	0
MSSP046	858	0	0	0	837	0	0	0	590	8	8	8	560	7	7	7	636	3	3	3
MSSP047	875	3	3	3	854	2	2	2	541	23	23	23	511	22	22	22	617	22	22	22
MSSP048	881	0	0	0	860	0	0	0	538	6	6	6	508	6	6	6	611	6	6	6
MSSP049	886	0	0	0	865	0	0	0	535	15	15	15	505	13	13	13	606	14	14	14
MSSP050	895	6	6	6	875	5	5	5	531	22	22	22	501	19	19	19	596	21	21	21
MSSP051	890	7	7	7	870	7	7	7	571	16	16	16	541	14	14	14	604	16	16	16
MSSP052	859	7	7	7	868	7	7	7	579	16	16	16	549	14	14	14	608	16	16	16
MSSP053a	866	12	12	12	845	12	12	12	604	17	17	17	574	17	17	17	632	29	29	29
MSSP053b	866	12	12	12	845	12	12	12	604	17	17	17	574	17	17	17	632	29	29	29
MSSP054	889	2	2	2	868	2	2	2	601	0	0	0	571	0	0	0	613	0	0	0
MSSP055	886	2	2	2	866	2	2	2	627	0	0	0	598	0	0	0	625	0	0	0
MSSP056	883	2	2	2	863	2	2	2	663	0	0	0	633	0	0	0	642	0	0	0
MSSP057	930	0	0	0	899	0	0	0	537	18	18	18	505	16	16	16	573	17	17	17
MSSP058	920	6	6	6	909	6	6	6	525	23	23	23	495	21	21	21	563	22	22	22
MSSP059	933	7	7	7	912	6	6	6	523	23	23	23	494	21	21	21	560	22	22	22
MSSP060	922	0	0	0	901	0	0	0	544	16	16	16	514	14	14	14	572	15	15	15
MSSP061	923	0	0	0	903	0	0	0	543	16	16	16	514	14	14	14	571	15	15	15
MSSP062	925	0	0	0	904	0	0	0	542	16	16	16	513	14	14	14	569	15	15	15



Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	POR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
MSSP063	926	0	0	0	906	0	0	0	542	16	16	16	512	14	14	14
MSSP064	928	0	0	0	907	0	0	0	541	16	16	16	511	14	14	14
MSSP065	926	0	0	0	905	0	0	0	547	0	0	0	518	0	0	0
MSSP066	937	0	0	0	916	0	0	0	542	0	0	0	512	0	0	0
MSSP067	949	5	5	5	928	4	4	4	501	18	18	18	471	16	16	16
MSSP068	956	2	2	2	935	1	1	1	518	18	18	18	488	14	14	14
MSSP069	951	6	6	6	931	6	6	6	541	5	5	5	512	6	6	6
MSSP070	993	0	0	0	972	0	0	0	479	26	26	26	449	26	26	26
MSSP071	912	1	1	1	891	2	2	2	580	11	11	11	550	7	7	7
MSSP072	909	1	1	1	889	2	2	2	670	0	0	0	640	0	0	0
MSSP073	930	0	0	0	910	0	0	0	598	8	8	8	568	6	6	6
MSSP074	928	0	0	0	908	0	0	0	630	7	7	7	601	6	6	6
MSSP075	942	0	0	0	922	0	0	0	597	10	10	10	567	7	7	7
MSSP076	951	0	0	0	931	0	0	0	570	11	11	11	541	7	7	7
MSSP077	942	0	0	0	922	0	0	0	648	0	0	0	619	0	0	0
MSSP078	962	0	0	0	941	0	0	0	601	16	16	16	572	13	13	13
MSSP079	969	0	0	0	949	0	0	0	622	16	16	16	594	13	13	13
MSSP080	963	0	0	0	962	0	0	0	561	10	10	10	532	7	7	7
MSSP081	981	0	0	0	961	0	0	0	575	11	11	11	547	7	7	7
MSSP082a	987	0	0	0	967	0	0	0	587	23	23	23	559	22	22	22
MSSP082b	987	0	0	0	966	0	0	0	590	10	10	10	561	11	11	11
MSSP083a	995	0	0	0	965	0	0	0	594	12	12	12	566	10	10	10
MSSP083b	986	0	0	0	966	0	0	0	592	0	0	0	564	0	0	0
MSSP086	974	0	0	0	953	0	0	0	522	2	2	2	484	1	1	1
MSSP087	975	0	0	0	954	0	0	0	507	2	2	2	478	1	1	1
MSSP088a	988	0	0	0	967	0	0	0	581	19	19	19	553	18	18	18
MSSP088b	988	0	0	0	967	0	0	0	583	12	12	12	555	13	13	13
CR207	153	45	45	45	136	46	46	46	1248	30	30	30	1219	27	27	27
CR207	199	46	46	46	179	46	46	46	1165	33	33	33	1137	32	32	32
MSSL001a	373 / 728	27	16	21	352 / 708	27	16	21	765 / 993	24	12	12	735 / 965	23	12	12
MSSL001b	866 / 1076	8	8	8	847 / 1055	7	7	7	437 / 805	22	0	0	409 / 776	21	0	0
MSSL002a	376 / 730	17	0	0	356 / 713	17	0	0	639 / 1114	15	0	0	612 / 1084	14	0	0
MSSL002b	376 / 730	26	0	0	356 / 713	25	0	0	639 / 1114	23	0	0	612 / 1084	22	0	0
MSSL002c	376 / 730	26	0	0	356 / 713	25	0	0	639 / 1114	24	0	0	612 / 1084	22	0	0
MSSL004a	788 / 880	9	9	9	768 / 860	9	9	9	709 / 901	6	6	6	679 / 872	5	5	5
MSSL004b	788 / 880	12	12	12	768 / 860	12	12	12	709 / 901	9	9	9	679 / 872	8	8	8
MSSL006a	373 / 857	17	0	0	353 / 837	17	0	0	631 / 993	13	0	0	601 / 964	12	0	0
MSSL006b	373 / 857	17	0	0	352 / 837	17	0	0	631 / 993	13	0	0	601 / 965	12	0	0
MSSL007a	373 / 766	17	0	0	353 / 746	17	0	0	680 / 993	13	0	0	650 / 964	12	0	0
MSSL007b	373 / 766	17	0	0	352 / 746	17	0	0	680 / 993	13	0	0	650 / 965	12	0	0
MSSL008a	452 / 621	12	12	12	434 / 601	12	12	12	772 / 1108	6	6	6	743 / 1078	5	5	5
MSSL008b	452 / 621	0	17	17	434 / 601	0	17	17	772 / 1108	12	12	12	743 / 1078	11	11	11
MSSL008c	452 / 621	0	20	20	434 / 601	0	20	20	772 / 1108	15	15	15	743 / 1078	14	14	14
MSSL009_1	903 / 1005	0	0	0	882 / 984	0	0	0	468 / 560	17	0	0	438 / 530	16	0	0
MSSL009_1	903 / 1005	0	0	0	882 / 984	0	0	0	468 / 560	20	0	0	438 / 530	19	0	0
MSSL009_2	986 / 1076	0	0	0	966 / 1055	0	0	0	437 / 647	19	0	0	409 / 618	18	0	0
MSSL009_2	986 / 1076	1	1	1	966 / 1055	1	1	1	437 / 647	22	0	0	409 / 618	21	0	0
MSSL010	662 / 936	3	3	3	642 / 915	3	3	3	455 / 701	18	0	0	425 / 673	18	0	0
MSSL011a	766 / 840	12	12	12	746 / 820	12	12	12	669 / 740	11	11	11	639 / 710	10	10	10
MSSL011b	766 / 840	19	19	19	746 / 820	19	19	19	669 / 740	18	18	18	639 / 710	17	17	17

Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	POR001				OPOR001				POR002				OPOR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
MSSL011c	766 / 840	19	19	19	746 / 820	19	19	18	669 / 740	18	18	18	639 / 710	18	18	18	677 / 754	18	18	13
MSSL012a	609 / 673	15	15	15	589 / 652	15	15	5	740 / 818	5	5	5	710 / 788	5	5	5	821 / 890	5	8	8
MSSL012b	609 / 673	21	21	21	589 / 652	21	21	12	740 / 818	12	12	12	710 / 788	12	12	12	821 / 890	12	15	15
MSSL012c	609 / 673	22	22	22	589 / 652	22	22	14	740 / 818	14	14	14	710 / 788	14	14	14	821 / 890	14	16	16
MSSL013a	861 / 961	8	8	8	843 / 941	8	8	4	665 / 902	4	4	4	637 / 873	4	4	4	595 / 818	4	14	14
MSSL013b	861 / 961	13	13	13	843 / 941	13	13	11	665 / 902	11	11	11	637 / 873	11	11	11	595 / 818	11	18	18
MSSL013c	861 / 961	15	15	15	843 / 941	15	15	12	665 / 902	12	12	12	637 / 873	12	12	12	595 / 818	12	20	20
MSSL014a	652 / 1034	2	2	2	631 / 1013	2	2	18	448 / 710	18	18	18	419 / 682	18	18	18	458 / 850	18	18	18
MSSL014b	652 / 1034	10	10	10	631 / 1013	10	10	25	448 / 710	25	25	25	419 / 682	25	25	25	458 / 850	25	24	24
MSSL014c	652 / 1034	11	11	11	631 / 1013	11	11	26	448 / 710	26	26	26	419 / 682	26	26	26	458 / 850	26	26	26
MSSL015	93 / 364	29	0	0	91 / 344	29	0	0	1003 / 1320	16	0	0	974 / 1293	14	0	0	1127 / 1480	10	—	—
MSSL016a	257 / 605	41	0	0	236 / 585	41	0	0	766 / 1105	36	0	0	737 / 1076	34	0	0	889 / 1239	33	0	0
MSSL016b	257 / 606	23	0	0	236 / 586	23	0	0	766 / 1105	19	0	0	737 / 1076	16	0	0	888 / 1239	16	0	0
MSSL017	203 / 675	33	0	0	184 / 655	33	0	0	695 / 1188	27	0	0	666 / 1160	26	0	0	830 / 1299	24	0	0
MSSL018	203 / 1034	25	0	0	184 / 1013	25	0	0	448 / 1188	25	0	0	419 / 1160	25	0	0	458 / 1299	25	0	0
MSSL019	203 / 1034	20	0	0	184 / 1013	20	0	0	448 / 1188	20	0	0	419 / 1160	19	0	0	458 / 1299	19	0	0
MSSV001	665 / 665	14	14	14	644 / 644	14	14	1	702 / 703	1	1	1	673 / 674	1	1	1	833 / 834	4	4	4
MSSV002	661 / 661	16	16	16	640 / 641	17	17	0	709 / 711	0	0	0	680 / 682	0	0	0	835 / 835	0	0	0
MSSV003	659 / 659	14	14	14	638 / 638	14	14	0	714 / 714	0	0	0	684 / 685	0	0	0	836 / 836	0	0	0
MSSV004	650 / 651	27	27	27	629 / 630	27	27	8	727 / 729	8	8	8	697 / 700	8	8	8	842 / 843	6	6	6
MSSV005	644 / 645	27	27	27	624 / 625	27	27	7	741 / 743	7	7	7	711 / 714	7	7	7	846 / 847	5	5	5
MSSV006	674 / 674	9	9	9	653 / 653	10	10	0	725 / 725	0	0	0	695 / 695	0	0	0	818 / 818	0	0	0
MSSV007	670 / 670	27	27	27	649 / 649	27	27	7	728 / 728	7	7	7	698 / 698	7	7	7	822 / 822	5	5	5
MSSV008	669 / 669	26	26	26	649 / 649	27	27	7	729 / 729	7	7	7	699 / 699	7	7	7	822 / 822	6	6	6
MSSV009	767 / 767	0	0	0	747 / 747	0	0	14	617 / 617	14	14	14	587 / 587	13	13	13	727 / 727	13	13	13
MSSV010	716 / 716	13	13	13	686 / 686	13	13	0	749 / 752	0	0	0	719 / 722	0	0	0	791 / 792	0	0	0
MSSV011	750 / 751	2	2	2	729 / 730	2	2	6	673 / 676	6	6	6	643 / 646	6	6	6	743 / 744	4	4	4
MSSV012	742 / 743	0	0	0	722 / 722	0	0	9	718 / 721	9	9	9	688 / 691	9	9	9	761 / 762	10	10	10
MSSV013	741 / 741	0	0	0	721 / 721	0	0	11	733 / 735	11	11	11	703 / 705	10	10	10	767 / 769	6	6	6
MSSV014	787 / 787	0	0	0	766 / 766	0	0	16	615 / 615	16	16	16	585 / 585	17	17	17	705 / 705	11	11	11
MSSV015	927 / 931	0	0	0	907 / 911	0	0	24	508 / 510	19	24	24	478 / 480	17	22	22	560 / 564	18	23	23
MSSV016	951 / 952	0	0	0	930 / 931	0	0	24	541 / 545	0	24	24	512 / 516	0	0	0	546 / 548	0	0	0
MSSV017	979 / 980	0	0	0	959 / 960	0	0	24	481 / 485	24	24	24	451 / 455	25	25	25	512 / 513	24	24	24
MSSV018	977 / 979	0	0	0	957 / 958	0	0	30	488 / 494	30	30	30	458 / 464	30	30	30	514 / 515	29	29	29

Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR003			OPOR004			OPOR004			OPOR005			OPOR005			POR006				
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)				
MSSP003	811	0	0	0	564	0	0	0	574	0	0	0	542	0	0	0	605	0	0	0
MSSP004	814	0	0	0	560	0	0	0	539	0	0	0	528	0	0	0	590	0	0	0
MSSP005	815	0	0	0	568	0	0	0	559	0	0	0	521	0	0	0	583	0	0	0
MSSP006	816	0	0	0	557	0	0	0	536	0	0	0	518	0	0	0	580	0	0	0
MSSP007	818	0	0	0	555	0	0	0	533	0	0	0	511	0	0	0	572	0	0	0
MSSP008	797	19	19	4	566	4	4	4	546	3	3	2	566	2	2	2	630	0	0	0
MSSP012	778	15	15	0	527	0	0	0	583	0	0	0	551	0	0	0	617	0	0	0
MSSP013	744	15	15	0	545	0	0	0	566	0	0	0	534	0	0	0	603	0	0	0
MSSP014	790	11	11	8	487	8	8	8	433	7	7	7	402	18	18	18	462	17	17	17
MSSP015	778	11	11	8	475	8	8	8	426	7	7	7	394	18	18	18	456	17	17	17
MSSP016	715	0	0	0	520	0	0	0	617	0	0	0	585	0	0	0	657	0	0	0
MSSP017	715	0	0	0	518	0	0	0	613	0	0	0	581	0	0	0	653	0	0	0
MSSP018	713	0	0	0	514	0	0	0	607	0	0	0	575	0	0	0	647	0	0	0
MSSP019	713	0	0	0	513	0	0	0	605	0	0	0	574	0	0	0	646	0	0	0
MSSP020	699	6	6	7	507	7	7	7	493	7	7	7	478	1	1	1	651	1	1	1
MSSP021	682	0	0	0	490	0	0	0	602	0	0	0	570	0	0	0	644	0	0	0
MSSP022	676	12	12	13	489	13	13	13	477	12	12	12	455	6	6	6	650	6	6	6
MSSP023	667	12	12	13	479	13	13	13	467	13	13	13	459	10	10	10	643	6	6	6
MSSP024	725	16	16	0	496	0	0	0	479	0	0	0	557	0	0	0	596	0	0	0
MSSP025	708	16	16	0	480	0	0	0	463	0	0	0	550	0	0	0	589	0	0	0
MSSP026	692	16	16	0	465	0	0	0	449	0	0	0	543	0	0	0	584	0	0	0
MSSP027	712	0	0	0	443	1	1	1	422	1	1	1	471	17	17	17	509	16	16	16
MSSP028	709	16	16	0	432	25	25	25	411	25	25	25	36	35	35	35	493	34	34	34
MSSP029	717	5	5	7	439	7	7	7	417	6	6	6	455	17	17	17	492	16	16	16
MSSP030	727	12	12	7	434	7	7	7	410	6	6	6	425	18	18	18	461	17	17	17
MSSP031	736	8	8	7	432	7	7	7	407	7	7	7	404	18	18	18	439	17	17	17
MSSP032	752	0	0	0	442	8	8	8	416	8	8	8	396	18	18	18	428	18	18	18
MSSP034	646	1	1	5	409	5	5	5	393	5	5	5	505	2	2	2	548	2	2	2
MSSP035	651	8	8	11	397	11	11	11	379	6	6	6	476	16	16	16	519	10	10	10
MSSP036	653	2	2	3	391	3	3	3	372	1	1	1	461	10	10	10	430	6	6	6
MSSP040	624	34	34	28	382	28	28	28	366	27	27	27	366	26	26	26	454	24	24	24
MSSP041	627	3	3	6	374	6	6	6	357	5	5	5	468	10	10	10	437	6	6	6
MSSP042	615	13	13	12	380	12	12	12	364	8	8	8	493	9	9	9	462	7	7	7
MSSP043	604	8	8	1	379	1	1	1	366	0	0	0	507	0	0	0	476	0	0	0
MSSP044	612	3	3	6	359	6	6	6	342	4	4	4	463	10	10	10	432	6	6	6
MSSP045	634	0	0	0	339	0	0	0	317	0	0	0	394	14	14	14	362	10	10	10
MSSP046	606	3	3	7	327	6	6	6	327	6	6	6	447	11	11	11	416	7	7	7
MSSP047	567	21	21	13	363	13	13	13	350	12	12	12	502	5	5	5	472	5	5	5
MSSP048	582	5	5	0	359	0	0	0	346	0	0	0	501	0	0	0	471	0	0	0
MSSP049	576	12	12	0	353	0	0	0	340	0	0	0	498	0	0	0	468	0	0	0
MSSP050	566	18	18	21	342	21	21	21	329	22	22	22	483	7	7	7	463	6	6	6
MSSP051	575	13	13	13	314	13	13	13	297	18	18	18	439	7	7	7	409	7	7	7
MSSP052	578	13	13	13	310	13	13	13	293	18	18	18	429	7	7	7	399	7	7	7
MSSP053a	603	29	29	0	325	20	20	20	306	21	21	21	418	34	34	34	387	36	36	36
MSSP053b	603	29	29	0	325	20	20	20	306	21	21	21	418	34	34	34	387	36	36	36
MSSP054	584	0	0	0	286	0	0	0	278	0	0	0	399	0	0	0	369	0	0	0
MSSP055	596	0	0	0	291	0	0	0	269	0	0	0	369	0	0	0	338	0	0	0
MSSP056	613	0	0	0	288	0	0	0	262	0	0	0	329	4	4	4	477	0	0	0
MSSP057	544	15	15	19	299	19	19	19	286	19	19	19	458	4	4	4	428	3	3	3
MSSP058	533	20	20	24	296	24	24	24	284	24	24	24	466	10	10	10	437	10	10	10
MSSP059	530	20	20	24	294	24	24	24	281	24	24	24	465	10	10	10	436	10	10	10
MSSP060	542	14	14	21	291	21	21	21	276	20	20	20	446	3	3	3	417	3	3	3
MSSP061	541	14	14	21	290	21	21	21	275	20	20	20	446	3	3	3	417	3	3	3
MSSP062	540	14	14	22	288	22	22	22	274	20	20	20	446	3	3	3	416	3	3	3

Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
MSSP063	538	14	14	287	22	22	273	21	21	446	3	3	416	3	3	466	3	3
MSSP064	537	14	14	286	22	22	272	21	21	446	3	3	416	3	3	466	3	3
MSSP065	540	0	6	268	6	6	268	9	9	438	0	0	409	0	0	488	0	0
MSSP066	529	0	0	273	0	0	259	1	1	437	0	0	408	0	0	488	0	0
MSSP067	513	15	15	292	23	23	283	19	19	483	14	14	454	8	8	534	7	7
MSSP068	508	14	14	267	24	24	256	19	19	455	14	14	426	13	13	507	12	12
MSSP069	517	6	—	265	14	—	240	15	—	428	15	—	399	14	—	460	14	—
MSSP070	470	25	—	255	33	—	248	32	—	480	12	—	428	11	—	460	10	—
MSSP071	560	7	7	280	11	11	262	5	5	407	0	0	378	0	0	457	0	0
MSSP072	601	0	0	263	13	13	235	16	16	303	16	16	273	14	14	352	12	12
MSSP073	552	7	7	250	16	16	229	16	16	372	9	9	343	9	9	423	7	7
MSSP074	567	6	6	244	16	16	220	17	17	335	13	13	306	13	13	386	11	11
MSSP075	543	7	7	236	18	18	215	17	17	366	14	14	337	12	12	417	10	10
MSSP076	526	8	8	237	4	4	203	2	2	392	0	0	363	0	0	444	0	0
MSSP077	568	0	0	229	13	13	203	17	17	307	16	16	278	14	14	359	11	11
MSSP078	531	14	14	214	26	26	214	22	22	351	16	16	323	17	17	404	15	15
MSSP079	537	14	14	203	26	26	178	25	25	324	22	22	296	20	20	377	18	18
MSSP080	499	8	8	205	19	19	188	17	17	387	6	6	360	1	1	441	0	0
MSSP081	506	8	8	200	20	20	181	18	18	371	7	7	344	2	2	425	0	0
MSSP082a	507	24	24	189	30	30	168	30	30	355	23	23	329	23	23	410	21	21
MSSP082b	509	11	11	189	18	18	168	19	19	353	14	14	327	15	15	407	13	13
MSSP083a	512	11	11	190	23	23	168	23	23	348	24	24	322	23	23	403	20	20
MSSP083b	510	0	0	189	6	6	167	7	7	350	2	2	323	2	2	404	0	0
MSSP086	492	0	0	247	3	3	237	2	2	448	0	0	420	0	0	501	0	0
MSSP087	490	1	1	251	5	5	241	4	4	455	0	0	427	0	0	508	0	0
MSSP088	504	17	17	191	25	25	171	26	26	362	20	20	335	20	20	416	19	19
MSSP088b	505	13	13	190	20	20	170	21	21	360	16	16	333	17	17	414	15	15
CR206	1330	23	—	1027	27	—	999	30	—	846	29	—	824	29	—	841	28	—
CR207	1263	26	—	974	29	—	948	29	—	825	32	—	801	32	—	826	31	—
MSSL001a	763 / 1089	21	21	443 / 849	25	25	416 / 834	25	25	324 / 881	26	26	294 / 849	26	26	346 / 908	26	26
MSSL001b	389 / 713	21	21	161 / 411	30	30	143 / 406	30	30	199 / 603	24	24	167 / 573	23	23	237 / 652	21	21
MSSL002a	763 / 1118	12	12	443 / 836	17	17	416 / 819	16	16	270 / 847	18	18	250 / 816	17	17	266 / 873	17	17
MSSL002b	763 / 1117	20	20	443 / 836	25	25	416 / 819	25	25	270 / 847	27	27	250 / 816	26	26	266 / 873	26	26
MSSL002c	763 / 1118	21	21	443 / 836	25	25	416 / 819	24	24	270 / 847	27	27	250 / 816	26	26	266 / 873	26	26
MSSL004a	642 / 791	11	11	296 / 413	22	22	267 / 380	22	22	144 / 336	22	22	117 / 304	22	22	163 / 373	20	20
MSSL004b	618 / 1089	9	9	324 / 849	17	17	299 / 833	18	18	304 / 880	18	18	272 / 848	18	18	346 / 908	17	17
MSSL006a	618 / 1089	9	9	324 / 849	17	17	299 / 833	18	18	304 / 880	18	18	272 / 848	18	18	346 / 908	17	17
MSSL007a	703 / 1089	9	9	411 / 849	9	9	385 / 833	10	10	359 / 880	16	16	327 / 848	17	17	393 / 908	16	16
MSSL007b	703 / 1089	9	9	411 / 849	9	9	385 / 833	10	10	359 / 880	16	16	327 / 848	17	17	393 / 908	16	16
MSSL008a	840 / 1116	—	5	570 / 774	—	11	547 / 743	—	11	422 / 615	0	13	402 / 585	—	11	414 / 634	—	11
MSSL008b	840 / 1116	—	16	570 / 774	—	16	547 / 743	—	16	422 / 615	0	19	402 / 585	—	17	414 / 634	—	17
MSSL008c	840 / 1115	—	14	570 / 774	—	20	547 / 743	—	20	422 / 615	0	22	402 / 585	—	20	414 / 634	—	20
MSSL009_1	462 / 560	17	17	202 / 349	24	24	189 / 338	24	24	406 / 511	13	13	378 / 481	10	10	458 / 560	9	9
MSSL009_1	462 / 560	19	19	202 / 349	27	27	189 / 338	26	26	406 / 511	17	17	378 / 481	13	13	458 / 560	12	12
MSSL009_2	389 / 541	18	18	161 / 234	28	28	143 / 232	28	28	292 / 498	21	21	266 / 474	21	21	346 / 554	18	18
MSSL009_2	389 / 541	21	21	161 / 234	31	31	143 / 232	30	30	292 / 498	24	24	266 / 474	23	23	346 / 554	21	21
MSSL010	527 / 809	16	16	314 / 581	12	12	303 / 563	10	10	493 / 611	0	0	464 / 579	0	0	544 / 652	0	0
MSSL011a	647 / 725	—	5	332 / 406	—	19	305 / 379	—	23	316 / 383	—	23	284 / 351	—	23	358 / 422	—	22
MSSL011b	647 / 725	—	12	332 / 406	—	25	305 / 379	—	28	316 / 383	—	29	284 / 351	—	29	358 / 422	—	27

Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR003				POR004				OPOR004				POR005				OPOR005				POR006			
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)
MSSL011c	647/725	13	26	26	332/406	28	28	28	316/383	30	30	30	284/351	30	30	30	358/422	28	28	28	358/422	28	28	28
MSSL012a	791/860	8	7	7	480/542	6	6	6	443/531	17	17	17	412/500	16	16	16	471/559	16	16	16	471/559	16	16	16
MSSL012b	791/860	14	14	14	506/566	14	14	14	443/531	23	23	23	412/500	22	22	22	471/559	22	22	22	471/559	22	22	22
MSSL012c	791/860	15	15	15	506/566	15	15	15	443/531	24	24	24	412/500	23	23	23	471/559	23	23	23	471/559	23	23	23
MSSL013a	567/792	13	23	23	214/414	23	23	23	185/381	22	22	22	116/266	21	21	21	162/344	19	19	19	162/344	19	19	19
MSSL013b	567/792	17	28	28	214/414	28	28	28	185/381	27	27	27	116/266	27	27	27	162/344	25	25	25	162/344	25	25	25
MSSL013c	567/792	18	29	29	214/414	29	29	29	185/381	28	28	28	116/266	28	28	28	162/344	26	26	26	162/344	26	26	26
MSSL014a	428/820	0	22	22	214/591	0	22	22	143/297	12	12	12	424/585	11	11	11	505/649	9	9	9	505/649	9	9	9
MSSL014b	428/820	0	24	24	214/591	0	28	28	143/297	12	12	12	424/585	11	11	11	505/649	9	9	9	505/649	9	9	9
MSSL014c	428/820	0	24	24	214/591	0	30	30	143/297	12	12	12	424/585	11	11	11	505/649	9	9	9	505/649	9	9	9
MSSL015	1098/1450	10	—	—	819/1178	12	—	—	794/1152	11	—	—	682/1011	15	—	—	720/1034	14	—	—	720/1034	14	—	—
MSSL016a	859/1209	32	0	0	606/835	34	0	0	585/910	34	0	0	550/788	36	0	0	560/821	35	0	0	560/821	35	0	0
MSSL016b	859/1209	13	0	0	606/835	16	0	0	585/910	16	0	0	550/788	18	0	0	560/821	18	0	0	560/821	18	0	0
MSSL017	801/1269	24	0	0	496/970	25	0	0	470/942	25	0	0	424/815	29	0	0	450/821	28	0	0	450/821	28	0	0
MSSL018	428/1269	24	0	0	180/970	31	0	0	155/942	31	0	0	144/880	28	0	0	163/908	26	0	0	163/908	26	0	0
MSSL019	429/1270	18	0	0	180/970	25	0	0	155/942	25	0	0	144/881	23	0	0	163/908	21	0	0	163/908	21	0	0
MSSV001	804/804	3	3	3	565/570	0	0	0	551/551	0	0	0	595/597	0	0	0	628/630	0	0	0	628/630	0	0	0
MSSV002	805/806	0	0	0	565/566	0	0	0	546/547	0	0	0	584/587	0	0	0	617/619	0	0	0	617/619	0	0	0
MSSV003	806/807	0	0	0	564/564	0	0	0	544/544	0	0	0	579/580	0	0	0	612/612	0	0	0	612/612	0	0	0
MSSV004	812/813	6	6	6	561/562	9	9	9	540/542	10	10	10	564/567	11	11	11	595/598	9	9	9	595/598	9	9	9
MSSV005	817/817	6	6	6	556/557	9	9	9	534/535	10	10	10	545/549	13	13	13	575/579	10	10	10	575/579	10	10	10
MSSV006	788/788	0	2	2	522/522	2	2	2	500/500	2	2	2	518/518	12	12	12	549/549	10	10	10	549/549	10	10	10
MSSV007	792/792	6	6	6	525/525	21	21	21	504/504	21	21	21	520/520	28	28	28	551/551	28	28	28	551/551	28	28	28
MSSV008	793/793	6	6	6	526/526	18	18	18	505/505	18	18	18	489/489	25	25	25	552/552	25	25	25	552/552	25	25	25
MSSV009	698/698	12	0	0	470/470	0	0	0	453/453	0	0	0	545/545	0	0	0	586/586	0	0	0	586/586	0	0	0
MSSV010	762/763	0	0	0	457/457	0	0	0	431/431	0	0	0	411/413	7	7	7	442/445	6	6	6	442/445	6	6	6
MSSV011	713/714	4	4	4	441/442	9	9	9	420/421	10	10	10	465/469	27	27	27	503/507	26	26	26	503/507	26	26	26
MSSV012	731/732	8	8	8	432/433	5	5	5	408/408	6	6	6	412/416	20	20	20	447/451	19	19	19	447/451	19	19	19
MSSV013	738/739	6	6	6	431/431	6	6	6	406/406	7	7	7	396/399	20	20	20	430/433	19	19	19	430/433	19	19	19
MSSV014	675/675	11	11	11	435/435	6	6	6	417/417	5	5	5	478/478	2	2	2	552/552	1	1	1	552/552	1	1	1
MSSV015	530/534	17	21	21	311/314	4	9	9	300/304	4	8	8	489/490	0	1	1	540/540	0	0	0	540/540	0	0	0
MSSV016	517/518	0	0	0	262/264	11	11	11	237/240	11	11	11	422/427	2	2	2	474/479	4	4	4	474/479	4	4	4
MSSV017	462/463	24	—	—	267/270	32	—	—	259/263	32	—	—	451/456	0	—	—	534/539	0	—	—	534/539	0	—	—
MSSV018	464/466	29	—	—	261/265	37	—	—	252/257	37	—	—	471/478	6	—	—	524/531	4	—	—	524/531	4	—	—

Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)
MSSP003	578	0	0	673	0	0	647	0	0	1195	12	12	1176	10	10
MSSP004	563	0	0	657	0	0	631	0	0	1178	12	12	1159	10	10
MSSP005	556	0	0	624	2	2	650	2	2	1171	12	12	1151	10	10
MSSP006	553	1	1	647	2	2	620	1	1	1167	12	12	1148	10	10
MSSP007	545	4	4	638	6	6	611	4	4	1158	12	12	1138	10	10
MSSP008	604	1	1	700	0	0	675	0	0	1230	0	0	1211	0	0
MSSP012	592	0	0	689	0	0	665	0	0	1232	0	0	1213	0	0
MSSP013	578	0	0	678	0	0	654	0	0	1242	0	0	1223	0	0
MSSP014	435	17	17	529	22	22	502	16	16	1086	13	13	1067	11	11
MSSP015	429	17	17	524	22	22	498	16	16	1090	13	13	1071	11	11
MSSP016	634	0	0	736	0	0	713	0	0	1313	3	3	1284	3	3
MSSP017	630	0	0	732	0	0	709	0	0	1309	0	0	1280	0	0
MSSP018	624	0	0	726	0	0	703	0	0	1304	0	0	1285	0	0
MSSP019	622	0	0	724	0	0	702	0	0	1303	2	2	1284	2	2
MSSP020	629	0	0	731	3	3	709	0	0	1317	0	0	1288	0	0
MSSP021	622	0	0	725	0	0	703	0	0	1321	0	0	1302	0	0
MSSP022	629	6	6	732	9	9	711	5	5	1331	2	2	1312	2	2
MSSP023	621	5	5	725	9	9	704	5	5	1329	2	2	1310	2	2
MSSP024	572	0	0	672	0	0	649	0	0	1248	0	0	1229	0	0
MSSP025	566	0	0	668	0	0	645	0	0	1254	0	0	1235	0	0
MSSP026	561	0	0	663	0	0	641	0	0	1259	0	0	1240	0	0
MSSP027	485	16	16	586	20	20	563	15	15	1182	0	0	1163	0	0
MSSP028	469	34	34	570	34	34	547	33	33	1171	19	19	1152	19	19
MSSP029	468	16	16	568	21	21	545	15	15	1165	0	0	1146	0	0
MSSP030	436	17	17	535	21	21	512	16	16	1133	0	0	1114	0	0
MSSP031	413	18	18	512	22	22	488	16	16	1111	0	0	1092	0	0
MSSP032	402	18	18	499	22	22	475	16	16	1091	13	13	1072	11	11
MSSP034	527	2	2	631	0	0	611	1	1	1258	0	0	1239	0	0
MSSP035	497	11	11	602	14	14	581	9	9	1231	7	7	1212	3	3
MSSP036	482	5	5	587	9	9	566	4	4	1218	1	1	1199	0	0
MSSP040	510	24	24	616	24	24	596	23	23	1256	20	20	1237	20	20
MSSP041	493	5	5	598	9	9	578	4	4	1241	1	1	1222	0	0
MSSP042	519	6	6	624	8	8	605	5	5	1268	3	3	1249	3	3
MSSP043	534	0	0	640	0	0	621	0	0	1286	0	0	1268	0	0
MSSP044	490	5	5	595	9	9	576	4	4	1247	1	1	1228	0	0
MSSP045	418	9	9	523	12	12	504	7	7	1182	4	4	1163	0	0
MSSP046	474	6	6	580	9	9	561	4	4	1238	1	1	1219	0	0
MSSP047	531	6	6	619	6	6	619	4	4	1293	1	1	1274	1	1
MSSP048	531	0	0	637	0	0	619	0	0	1295	0	0	1277	0	0
MSSP049	528	0	0	635	0	0	617	0	0	1296	0	0	1278	0	0
MSSP050	524	7	7	631	11	11	613	11	11	1298	8	8	1279	8	8
MSSP051	470	12	12	577	14	14	560	14	14	1252	9	9	1233	5	5
MSSP052	460	12	12	566	14	14	549	14	14	1243	9	9	1224	5	5
MSSP053a	446	35	35	552	34	34	534	33	33	1219	17	17	1201	17	17
MSSP053b	446	35	35	552	34	34	534	33	33	1219	17	17	1201	17	17
MSSP054	430	2	2	537	4	4	520	4	4	1219	4	4	1200	0	0
MSSP055	399	3	3	506	6	6	489	8	8	1192	4	4	1173	0	0
MSSP056	358	6	6	465	7	7	448	9	9	1156	4	4	1138	0	0
MSSP057	492	3	3	599	4	4	583	3	3	1284	4	4	1266	3	3
MSSP058	501	9	9	608	10	10	592	9	9	1296	14	14	1278	11	11
MSSP059	501	10	10	608	10	10	592	9	9	1297	14	14	1279	11	11
MSSP060	481	2	2	587	2	2	572	2	2	1276	1	1	1258	1	1
MSSP061	481	2	2	588	2	2	572	2	2	1277	1	1	1258	1	1
MSSP062	481	2	2	588	2	2	572	2	2	1278	0	0	1259	0	0

Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR006			OPOR007			OPOR008			OPOR008					
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)			
MSSP063	481	2	2	588	2	2	572	2	2	1278	0	0	1260	0	0
MSSP064	481	3	3	588	3	3	572	3	3	1279	0	0	1261	0	0
MSSP065	473	0	0	580	0	0	565	0	0	1272	0	0	1254	0	0
MSSP066	474	0	0	580	0	0	566	0	0	1277	0	0	1259	0	0
MSSP067	519	7	7	626	8	8	611	8	8	1319	4	4	1301	4	4
MSSP068	493	7	7	600	9	9	585	5	5	1301	2	2	1283	2	2
MSSP069	466	11	11	572	10	10	558	10	10	1278	4	4	1259	4	4
MSSP070	522	10	10	628	10	10	615	10	10	1340	1	1	1322	1	1
MSSP071	441	0	0	548	0	0	532	0	0	1239	0	0	1221	0	0
MSSP072	336	12	12	443	13	13	427	10	10	1151	4	4	1133	0	0
MSSP073	408	7	7	515	5	5	501	5	5	1221	1	1	1203	0	0
MSSP074	372	11	11	478	10	10	464	9	9	1190	1	1	1172	0	0
MSSP075	404	10	10	510	12	12	497	7	7	1223	0	0	1205	0	0
MSSP076	430	0	0	537	0	0	524	0	0	1249	0	0	1231	0	0
MSSP077	346	12	12	452	13	13	439	10	10	1175	4	4	1157	0	0
MSSP078	392	15	15	498	18	18	485	13	13	1222	3	3	1204	3	3
MSSP079	366	18	18	472	18	18	460	16	16	1203	9	9	1186	6	6
MSSP080	430	0	0	535	0	0	524	0	0	1262	0	0	1244	0	0
MSSP081	414	0	0	519	0	0	508	0	0	1248	0	0	1230	0	0
MSSP082a	399	15	15	505	15	15	494	12	12	1238	0	0	1220	0	0
MSSP082b	397	4	4	502	2	2	491	2	2	1236	0	0	1219	0	0
MSSP083a	392	14	14	498	15	15	487	10	10	1232	0	0	1214	0	0
MSSP083b	394	0	0	499	0	0	488	0	0	1234	0	0	1216	0	0
MSSP086	488	0	0	595	0	0	581	0	0	1305	0	0	1287	0	0
MSSP087	495	0	0	602	0	0	589	0	0	1311	0	0	1293	0	0
MSSP088a	406	13	13	511	14	14	500	11	11	1244	0	0	1226	0	0
MSSP088b	404	6	6	509	5	5	498	4	4	1242	0	0	1224	0	0
CR206	810	29	29	851	34	34	819	28	28	938	31	31	920	29	29
CR207	795	32	32	847	31	31	815	32	32	1008	34	34	990	29	29
MSSL001a	317 / 880	26	15	406 / 969	25	14	380 / 941	24	13	987 / 1372	21	10	968 / 1353	19	8
MSSL001b	215 / 635	21	0	320 / 741	20	0	300 / 724	19	0	1017 / 1396	7	4	999 / 1377	7	4
MSSL002a	235 / 844	17	0	295 / 931	18	0	264 / 902	17	0	792 / 1332	14	0	773 / 1313	13	0
MSSL002b	235 / 844	26	0	295 / 931	26	0	264 / 902	26	0	792 / 1332	22	0	773 / 1313	21	0
MSSL002c	235 / 844	26	0	295 / 931	26	0	264 / 902	26	0	792 / 1332	23	0	773 / 1313	21	0
MSSL004a	1347 / 349	20	0	232 / 450	19	0	209 / 428	18	0	925 / 1110	8	0	908 / 1092	7	0
MSSL004b	1347 / 349	23	0	232 / 450	22	0	209 / 428	21	0	925 / 1110	11	0	908 / 1092	10	0
MSSL006a	324 / 879	17	0	429 / 968	16	0	409 / 940	16	0	1049 / 1371	12	0	1030 / 1352	10	0
MSSL006b	324 / 879	17	0	429 / 968	16	0	409 / 940	16	0	1049 / 1371	12	0	1030 / 1352	10	0
MSSL007a	367 / 879	16	0	466 / 968	15	0	443 / 940	14	0	1049 / 1371	11	0	1030 / 1352	9	0
MSSL007b	367 / 879	16	0	466 / 968	15	0	443 / 940	14	0	1049 / 1371	11	0	1030 / 1352	9	0
MSSL008a	333 / 604	10	10	427 / 685	0	13	395 / 655	12	12	801 / 1134	11	11	782 / 1115	10	10
MSSL008b	333 / 604	0	16	427 / 685	0	18	395 / 655	0	17	801 / 1134	0	16	782 / 1115	0	14
MSSL008c	333 / 604	0	20	427 / 685	0	21	395 / 655	0	20	801 / 1134	0	19	782 / 1115	0	17
MSSL009_1	445 / 543	4	4	551 / 649	5	5	537 / 635	2	2	1259 / 1351	0	0	1241 / 1333	0	0
MSSL009_1	445 / 543	7	7	551 / 649	9	9	537 / 635	5	5	1259 / 1351	0	0	1241 / 1333	0	0
MSSL009_2	337 / 546	18	0	442 / 650	18	0	432 / 641	16	0	1186 / 1387	4	0	1168 / 1369	3	0
MSSL009_2	337 / 546	21	0	442 / 650	21	0	432 / 641	19	0	1186 / 1387	7	0	1168 / 1369	6	0
MSSL010	528 / 635	0	0	635 / 741	0	0	619 / 724	0	0	1234 / 1396	0	0	1215 / 1377	0	0
MSSL011a	336 / 398	22	22	440 / 502	20	20	420 / 480	20	20	1088 / 1163	15	15	1069 / 1134	13	13
MSSL011b	336 / 398	28	28	440 / 502	26	26	420 / 480	26	26	1088 / 1163	20	20	1069 / 1134	18	18

Table MSS1b: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2

Source ID	OPOR006				OPOR007				OPOR008				OPOR008						
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)			
MSSL011c	336 / 368	—	28	27	440 / 502	—	27	27	420 / 480	—	27	27	1068 / 1163	—	22	22	1069 / 1134	—	19
MSSL012a	443 / 531	—	15	16	534 / 623	—	16	16	508 / 596	—	15	15	1067 / 1143	—	12	12	1048 / 1123	—	10
MSSL012b	443 / 531	—	22	22	534 / 623	—	22	22	508 / 596	—	21	21	1067 / 1143	—	18	18	1048 / 1123	—	16
MSSL012c	443 / 531	—	23	23	534 / 623	—	23	23	508 / 596	—	22	22	1067 / 1143	—	19	19	1048 / 1123	—	17
MSSL013a	134 / 326	—	20	18	231 / 433	—	18	18	208 / 416	—	18	18	924 / 1163	—	6	6	907 / 1145	—	6
MSSL013b	134 / 326	—	24	24	231 / 433	—	24	24	208 / 416	—	23	23	924 / 1163	—	12	12	907 / 1145	—	11
MSSL013c	134 / 326	—	27	25	231 / 433	—	25	25	208 / 416	—	25	25	924 / 1163	—	13	13	907 / 1145	—	13
MSSL014a	494 / 622	—	5	7	599 / 718	—	7	7	588 / 692	—	3	3	1232 / 1372	—	0	0	1212 / 1354	—	0
MSSL014b	494 / 622	—	12	14	599 / 718	—	14	14	588 / 692	—	11	11	1232 / 1372	—	4	4	1212 / 1354	—	4
MSSL014c	494 / 622	—	14	16	599 / 718	—	16	16	588 / 692	—	12	12	1232 / 1372	—	6	6	1212 / 1354	—	5
MSSL015	688 / 1003	14	—	—	756 / 1050	14	—	—	724 / 1018	14	—	—	1066 / 1114	12	—	—	1037 / 1097	12	—
MSSL016a	518 / 790	36	0	0	572 / 850	39	0	0	540 / 818	35	0	0	885 / 1203	35	0	0	866 / 1184	32	0
MSSL016b	518 / 790	18	0	0	572 / 850	20	0	0	540 / 818	18	0	0	884 / 1203	17	0	0	865 / 1184	14	0
MSSL017	422 / 769	28	0	0	514 / 850	28	0	0	487 / 818	28	0	0	885 / 1236	26	0	0	865 / 1217	25	0
MSSL018	134 / 880	26	0	0	232 / 969	26	0	0	207 / 941	25	0	0	792 / 1372	20	0	0	773 / 1354	18	0
MSSL019	134 / 880	21	0	0	232 / 969	20	0	0	207 / 941	20	0	0	792 / 1372	15	0	0	773 / 1354	13	0
MSSV001	602 / 604	0	0	0	696 / 688	0	0	0	672 / 674	0	0	0	1223 / 1225	10	0	0	1204 / 1206	8	0
MSSV002	590 / 593	0	0	0	686 / 688	0	0	0	660 / 663	0	0	0	1210 / 1213	14	0	0	1191 / 1194	12	0
MSSV003	585 / 586	0	0	0	680 / 681	0	0	0	654 / 655	0	0	0	1205 / 1206	0	0	0	1185 / 1186	0	0
MSSV004	588 / 571	9	9	12	662 / 666	12	12	12	636 / 640	10	10	10	1184 / 1187	24	24	24	1164 / 1168	21	21
MSSV005	548 / 552	11	11	16	641 / 645	16	16	16	615 / 619	12	12	12	1161 / 1165	24	24	24	1142 / 1146	21	21
MSSV006	523 / 523	10	10	11	618 / 618	11	11	11	593 / 593	10	10	10	1160 / 1160	7	7	7	1141 / 1141	5	5
MSSV007	525 / 525	28	28	28	620 / 620	28	28	28	594 / 594	27	27	27	1159 / 1159	24	24	24	1140 / 1140	21	21
MSSV008	525 / 525	25	25	25	620 / 620	27	27	27	594 / 594	26	26	26	1159 / 1159	21	21	21	1140 / 1140	20	20
MSSV009	563 / 563	0	0	0	665 / 665	0	0	0	642 / 642	0	0	0	1257 / 1257	0	0	0	1238 / 1238	0	0
MSSV010	415 / 418	8	8	8	512 / 515	8	8	8	487 / 490	8	8	8	1092 / 1095	8	8	8	1073 / 1076	8	8
MSSV011	479 / 482	26	26	24	579 / 583	24	24	24	556 / 560	24	24	24	1176 / 1179	0	0	0	1157 / 1161	0	0
MSSV012	422 / 426	19	19	17	521 / 525	17	17	17	497 / 501	17	17	17	1119 / 1123	0	0	0	1100 / 1104	0	0
MSSV013	405 / 407	19	19	18	503 / 506	18	18	18	479 / 482	18	18	18	1102 / 1105	0	0	0	1083 / 1086	0	0
MSSV014	529 / 529	1	1	2	632 / 632	2	2	2	611 / 611	0	0	0	1242 / 1242	0	0	0	1223 / 1223	0	0
MSSV015	524 / 524	0	0	0	631 / 631	0	0	0	615 / 615	0	0	0	1313 / 1315	0	0	0	1285 / 1297	0	0
MSSV016	461 / 465	3	3	3	567 / 572	3	3	3	553 / 558	0	0	0	1273 / 1278	0	0	0	1255 / 1259	0	0
MSSV017	521 / 526	0	—	—	628 / 633	0	—	—	614 / 619	0	—	—	1334 / 1338	0	—	—	1316 / 1320	0	—
MSSV018	511 / 518	4	—	—	618 / 625	2	—	—	604 / 611	2	—	—	1325 / 1331	0	—	—	1307 / 1313	0	—



**Table MSS2b: Acoustic Assessment Summary - Overall Sound Levels - Mitigated Normal Operations (Steady Source) - Crushing Scenario 2**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	50	35	35	No	50	50	45	Yes
OPOR001	Outdoor Class 2	50	35	35	No	50	45	—	Yes
POR002	2 Storey Class 3	43	39	39	No	45	40	40	Yes
OPOR002	Outdoor Class 3	41	38	38	No	45	40	—	Yes
POR003	2 Storey Class 3	41	39	39	No	45	40	40	Yes
OPOR003	Outdoor Class 3	40	37	37	No	45	40	—	Yes
POR004	1 1/2 Storey Class 3	44	40	40	No	45	40	40	Yes
OPOR004	Outdoor Class 3	44	40	40	No	45	40	—	Yes
POR005	1 1/2 Storey Class 3	44	39	39	No	45	40	40	Yes
OPOR005	Outdoor Class 3	44	39	39	No	45	40	—	Yes
POR006	1 Storey Class 3	43	37	38	No	45	40	40	Yes
OPOR006	Outdoor Class 3	43	37	37	No	45	40	—	Yes
POR007	2 Storey Class 3	44	38	38	No	45	40	40	Yes
OPOR007	Outdoor Class 3	42	36	36	No	45	40	—	Yes
POR008	2 Storey Class 3	40	33	33	No	45	40	40	Yes
OPOR008	Outdoor Class 3	37	31	31	No	45	40	—	Yes

Table MIS1: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Impulsive Source)

Source ID	POR001				POR002				POR003			
	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Overall Night-time Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Overall Night-time Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Overall Night-time Sound Pressure Level (dB(A))
MIP003	986	0	0	0	965	0	0	0	965	0	0	0
MIP004	986	0	0	0	965	0	0	0	584	28	28	28
MIP005	985	0	0	0	965	0	0	0	580	26	26	26
					965	0	0	0	593	26	26	26
									555	27	27	27
									535	29	29	29
									538	26	26	26
									540	26	26	26

Table MIS1: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Impulsive Source)

Source ID	OPOR003			POR004			OPOR004			POR005			OPOR005			POR006		
	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))
MIP003	506	28	28	192	40	40	172	33	33	360	33	33	333	28	28	414	26	26
MIP004	510	26	26	190	39	39	169	32	32	353	32	32	326	32	32	407	29	29
MIP005	511	26	26	190	39	39	168	32	32	350	32	32	323	32	32	404	29	29

Table MIS1: Point of Reception Predicted Partial Sound Levels - Mitigated Normal Operations (Impulsive Source)

Source ID	OPOR006			POR007			OPOR007			POR008			OPOR008		
	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))	Distance (m)	Overall Daytime Sound Pressure Level (dB(A))	Overall Evening Sound Pressure Level (dB(A))
MIP003	403	20	20	509	22	22	488	16	16	1241	0	0	1223	0	0
MIP004	397	20	20	502	22	22	481	16	16	1236	0	0	1218	0	0
MIP005	394	21	21	499	22	22	488	17	17	1233	0	0	1215	0	0

**Table MIS2: Acoustic Assessment Summary - Overall Sound Levels - Mitigated Normal Operations (Impulsive Source)**

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening Sound Pressure Level (dBA)	Overall Night-time Sound Pressure Level (dBA)	Verified by Acoustic Audit	Daytime Performance Limit (dBA)	Evening Performance Limit (dBA)	Night-time Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR001	1 Storey Class 2	0	0	0	No	50	50	45	Yes
OPOR001	Outdoor Class 2	0	0	0	No	50	50	—	Yes
POR002	2 Storey Class 3	28	28	28	No	45	40	40	Yes
OPOR002	Outdoor Class 3	27	27	27	No	45	45	—	Yes
POR003	2 Storey Class 3	29	29	29	No	45	40	40	Yes
OPOR003	Outdoor Class 3	28	28	28	No	45	45	—	Yes
POR004	1 1/2 Storey Class 3	40	40	40	No	45	40	40	Yes
OPOR004	Outdoor Class 3	40	40	40	No	45	45	—	Yes
POR005	1 1/2 Storey Class 3	33	33	33	No	45	40	40	Yes
OPOR005	Outdoor Class 3	32	32	32	No	45	45	—	Yes
POR006	1 Storey Class 3	29	29	29	No	45	40	40	Yes
OPOR006	Outdoor Class 3	21	21	21	No	45	45	—	Yes
POR007	2 Storey Class 3	22	22	22	No	45	40	40	Yes
OPOR007	Outdoor Class 3	17	17	17	No	45	45	—	Yes
POR008	2 Storey Class 3	0	0	0	No	45	40	40	Yes
OPOR008	Outdoor Class 3	0	0	0	No	45	45	—	Yes