
Appendix F

Amended greenhouse gas emissions by activity

F.1 Amended greenhouse gas emissions by activity

The amended Project has resulted in revised greenhouse gas emissions associated with fugitive emissions and electricity usage as described in Section 6.5 and as reported below. It is noted greenhouse gas emissions associated with other activities as reported in Appendix H of the EIS are unchanged and therefore not reproduced below.

Fugitive emissions										
Year	ROM coal (t)		Emission factor (t CO ₂ -e/t ROM)			Emissions (t CO ₂ -e/year)			Total	
			Scope 1	Scope 2	Scope 3	Scope 1	Scope 2	Scope 3		
2024	20,976,889	-	-	-	-	249,818	-	-	249,818	
2025	18,177,901	-	-	-	-	404,503	-	-	404,503	
2026	28,173,230	-	-	-	-	570,325	-	-	570,325	
2027	30,409,148	-	-	-	-	599,113	-	-	599,113	
2028	31,213,520	-	-	-	-	573,029	-	-	573,029	
2029	30,710,095	-	-	-	-	551,780	-	-	551,780	
2030	31,500,000	-	-	-	-	594,265	-	-	594,265	
2031	29,370,406	-	-	-	-	419,538	-	-	419,538	
2032	30,057,815	-	-	-	-	436,245	-	-	436,245	
2033	30,797,847	-	-	-	-	438,870	-	-	438,870	
2034	31,500,000	-	-	-	-	484,919	-	-	484,919	
2035	31,012,508	-	-	-	-	396,127	-	-	396,127	
2036	31,500,000	-	-	-	-	429,336	-	-	429,336	
2037	31,433,780	-	-	-	-	270,327	-	-	270,327	
2038	29,452,270	-	-	-	-	292,021	-	-	292,021	
2039	34,000,894	-	-	-	-	494,490	-	-	494,490	
2040	38,263,102	-	-	-	-	795,996	-	-	795,996	
2041	29,996,243	-	-	-	-	222,265	-	-	222,265	
2042	29,500,000	-	-	-	-	509,210	-	-	509,210	
2043	28,830,479	-	-	-	-	890,022	-	-	890,022	
2044	27,723,390	-	-	-	-	1,109,851	-	-	1,109,851	
2045	24,318,601	-	-	-	-	1,292,656	-	-	1,292,656	
2046	19,310,031	-	-	-	-	487,005	-	-	487,005	
2047	18,626,435	-	-	-	-	674,569	-	-	674,569	
2048	16,291,191	-	-	-	-	730,639	-	-	730,639	
2049	9,742,001	-	-	-	-	520,112	-	-	520,112	
2050	3,789,709	-	-	-	-	252,716	-	-	252,716	
	716,677,486								14,689,747	
								Average	1,049,268	
								Total	29,379,494	

Electricity usage										
Year	ROM coal (t)	Usage (kWh)	Emission factor (kg CO ₂ -e/kWh)			Emissions (t CO ₂ -e/year)			Total	
			Scope 1	Scope 2	Scope 3	Scope 1	Scope 2	Scope 3		
2024	20,976,889	85,700,030	0	0.59	0.05	-	50,563	4,285	54,848	
2025	18,177,901	73,493,397	0	0.49	0.04	-	36,012	2,940	38,952	
2026	28,173,230	101,368,950	0	0.39	0.03	-	39,534	3,041	42,575	
2027	30,409,148	101,247,116	0	0.34	0.02	-	34,424	2,025	36,449	
2028	31,213,520	101,198,290	0	0.24	0.01	-	24,288	1,012	25,300	
2029	30,710,095	101,981,277	0	0.2	0.02	-	20,396	2,040	22,436	
2030	31,500,000	101,797,185	0	0.12	0.01	-	12,216	1,018	13,234	
2031	29,370,406	103,262,534	0	0.11	0.01	-	11,359	1,033	12,392	
2032	30,057,815	102,089,665	0	0.11	0.00	-	11,230	-	11,230	
2033	30,797,847	102,909,897	0	0.12	0.01	-	12,349	1,029	13,378	
2034	31,500,000	102,404,475	0	0.02	0.00	-	2,048	-	2,048	
2035	31,012,508	102,830,321	0	0.02	0.00	-	2,057	-	2,057	
2036	31,500,000	102,437,642	0	0.02	0.00	-	2,049	-	2,049	
2037	31,433,780	102,700,813	0	0.02	0.00	-	2,054	-	2,054	
2038	29,452,270	102,339,730	0	0.02	0.00	-	2,047	-	2,047	
2039	34,000,894	99,225,771	0	0.02	0.00	-	1,985	-	1,985	
2040	38,263,102	100,707,559	0	0.02	0.00	-	2,014	-	2,014	
2041	29,996,243	81,301,208	0	0.02	0.00	-	1,626	-	1,626	
2042	29,500,000	81,774,492	0	0.02	0.00	-	1,635	-	1,635	
2043	28,830,479	85,889,059	0	0.02	0.00	-	1,718	-	1,718	
2044	27,723,390	85,139,025	0	0.02	0.00	-	1,703	-	1,703	
2045	24,318,601	78,987,777	0	0.02	0.00	-	1,580	-	1,580	
2046	19,310,031	66,810,499	0	0.02	0.00	-	1,336	-	1,336	
2047	18,626,435	63,788,949	0	0.02	0.00	-	1,276	-	1,276	
2048	16,291,191	55,373,364	0	0.02	0.00	-	1,107	-	1,107	
2049	9,742,001	33,026,448	0	0.02	0.00	-	661	-	661	
2050	3,789,709	12,896,584	0	0.02	0.00	-	258	-	258	
								Average	11,035	
								Total	297,945	