

Annexe X

Plan minier en pré-production et pour les années 1 à 12 (DRA/Met-Chem, 2018)



PROJECT : Moblanc Lithium Project - MINE PLAN
 CLIENT : Neotech
 PROJECT No : 2781
 DATE : Dec 17th, 2018
 REVISION : B

MINE PRODUCTION SCHEDULE (OPEN PIT)

Description	Units	PRE PROD	Year 1 M1	Year 1 M2	Year 1 M3	Year 1 M4	Year 1 M5	Year 1 M6	Year 1 M7	Year 1 M8	Year 1 M9	Year 1 M10	Year 1 M11	Year 1 M12	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Total
CONCENTRATE	kt		4	5	8	10	9	11	12	14	16	14	16	15	189	201	202	203	199	184	181	142	191	210	79	2,116
% full production	%		24%	37%	56%	59%	69%	79%	82%	84%	89%	96%	92%	98%	100%	102%	102%	103%	102%	100%	102%	104%	104%	100%	100%	
Target (ROM)	kt	0	16	29	40	48	55	60	65	68	71	73	75	76	949	949	949	949	949	949	949	949	949	949	354	
			114%	99%	111%	97%	100%	103%	100%	98%	100%	104%	97%	102%	100%	102%	102%	103%	102%	100%	102%	104%	104%	100%	100%	
TOTAL ROM to Plant (-MR)	kt	26	19	29	44	47	55	62	65	66	71	76	72	78	951	966	970	978	968	952	965	987	983	945	355	10,730
Li₂O	%	1.18	1.49	1.30	1.28	1.52	1.15	1.27	1.34	1.46	1.61	1.27	1.56	1.37	1.40	1.47	1.47	1.47	1.45	1.36	1.32	1.02	1.37	1.57	1.57	1.40
Fe	%	0.68	0.74	0.63	0.60	0.65	0.50	0.51	0.56	0.42	0.48	0.54	0.48	0.55	0.51	0.53	0.53	0.57	0.55	0.57	0.59	0.68	0.66	0.64	0.63	0.58
Be	ppm	63.81	53.08	67.75	78.40	70.66	93.14	104.51	94.25	121.80	167.66	91.79	143.65	121.00	143.38	149.64	144.24	144.19	146.06	149.03	147.00	141.13	135.91	133.35	159.47	141.50
Ta	ppm	20.79	23.69	21.20	24.79	24.41	24.61	25.78	24.97	28.34	39.61	33.44	41.82	49.58	43.12	47.67	42.87	49.37	47.99	48.99	47.83	55.20	49.74	43.96	52.83	46.82
Total Waste	kt	1,012	103	172	118	126	188	195	197	201	211	195	151	182	1,983	2,066	2,135	3,422	3,845	3,943	3,446	4,225	1,873	576	53	30,616
Waste Rock	kt	531.7	68	122	102	45	157	185	61	170	189	106	85	137	1,788	1,953	2,135	2,992	3,570	3,943	3,446	4,225	1,873	576	53	28,512
Overburden - Mine	kt	480.2	35	50	16	82	31	10	136	30	21	89	66	45	194	113	0	430	275	0	0	0	0	0	0	2,103
Low Grade & Inferred	kt	31	7	0	0	7	3	5	8	3	8	13	8	10	172	44	21	28	49	65	50	103	65	40	1	741
Li₂O	%	1.40	1.41	0.00	0.00	1.61	0.37	0.40	1.11	0.38	1.47	0.83	1.35	1.36	1.34	1.19	0.92	0.56	0.75	0.43	0.40	0.53	0.53	0.67	0.47	0.87
Fe	%	0.67	0.74	0.00	0.00	0.68	0.42	0.42	0.65	0.45	0.48	0.54	0.56	0.61	0.62	0.76	0.55	0.64	0.57	0.55	0.54	0.73	1.24	0.93	0.86	0.70
Be	ppm	57.55	47.58	0.00	0.00	73.24	89.10	85.00	70.80	111.25	142.61	112.35	150.91	178.14	155.17	149.32	154.58	129.23	93.01	135.92	132.82	121.82	107.83	107.59	151.90	127
Ta	ppm	21.28	22.08	0.00	0.00	24.94	26.55	21.99	25.01	41.67	47.92	46.48	63.48	77.32	65.74	57.38	46.60	56.53	26.27	41.67	44.20	50.53	49.44	48.38	79.53	49.68
Total Material Moved	kt	1,069	128	201	163	180	246	262	270	270	290	285	231	269	3,106	3,076	3,126	4,428	4,862	4,959	4,461	5,315	2,921	1,561	409	42,086
Stripping Ratio			5.5	5.9	2.7	2.7	3.4	3.1	3.0	3.0	3.0	2.6	2.1	2.3	2.1	2.1	2.2	3.5	4.0	4.1	3.6	4.3	1.9	0.6	0.1	2.9



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EQUIPMENT HOURS

Description	Units	PRE PROD	Year 1 M1	Year 1 M2	Year 1 M3	Year 1 M4	Year 1 M5	Year 1 M6	Year 1 M7	Year 1 M8	Year 1 M9	Year 1 M10	Year 1 M11	Year 1 M12	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	
MAJOR EQUIPMENT																										
Haul Truck - HD-465-7	NOH	2,553	548	851	666	812	1,011	1,051	1,331	1,206	1,281	1,339	1,082	1,222	15,594	15,335	16,604	24,484	27,319	27,534	25,887	30,930	19,853	12,405	3,462	
Shovel - PC-1250-8R	NOH	1,159	128	208	161	202	241	245	311	265	274	298	244	267	2,884	2,935	2,948	3,722	4,604	4,544	4,114	4,834	2,728	1,528	428	
Loader - WA500-7	NOH	1,848	308	308	308	308	308	308	308	308	308	308	308	308	3,696	3,696	3,696	3,696	3,696	3,696	3,696	3,696	3,696	3,696	3,696	1,377
Production/Pre-shear Drill - SANDVICK D65	NOH	755	116	202	194	120	283	330	165	315	346	240	207	284	3,629	3,872	4,124	5,299	6,073	6,560	5,900	6,987	3,784	1,973	518	
SUPPORT EQUIPMENT																										
Track Dozer - D8	NOH	1,964	655	655	655	655	655	655	655	655	655	655	655	655	7,854	7,854	7,854	7,854	7,854	7,854	7,854	7,854	7,854	7,854	7,854	2,926
Grader - 14M	NOH	1,964	327	327	327	327	327	327	327	327	327	327	327	327	3,927	3,927	3,927	3,927	3,927	3,927	3,927	3,927	3,927	3,927	3,927	1,463
Excavator - CAT 349K	NOH	1,428	238	238	238	238	238	238	238	238	238	238	238	238	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	1,064
Water Truck - Kenworth C500 chassis	NOH	1,428	238	238	238	238	238	238	238	238	238	238	238	238	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	1,064
Powder Truck -	NOH	714	119	119	119	119	119	119	119	119	119	119	119	119	1,428	1,428	1,428	1,428	1,428	1,428	1,428	1,428	1,428	1,428	1,428	532
Light Plant - MAGNUM MLT3080	NOH	3,570	595	595	595	595	595	595	1,190	1,190	1,190	1,190	1,190	1,190	17,850	17,850	17,850	17,850	17,850	17,850	17,850	17,850	17,850	17,850	17,850	6,651
SERVICE EQUIPMENT																										
Fuel / Lube Truck - Kenworth C500 chassis	NOH	1,071	179	179	179	179	179	179	179	179	179	179	179	179	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	798
Mechanic Truck - Kenworth T800 chassis	NOH	1,071	179	179	179	179	179	179	179	179	179	179	179	179	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	798
Tire Handler - Kenworth C500 chassis	NOH	1,071	179	179	179	179	179	179	179	179	179	179	179	179	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	798
Boom Truck - Kenworth C500 chassis	NOH	1,071	179	179	179	179	179	179	179	179	179	179	179	179	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	798
Pick-up Truck - F250	NOH	4,284	714	714	714	714	714	714	714	714	714	714	714	714	8,568	8,568	8,568	8,568	8,568	8,568	8,568	8,568	8,568	8,568	8,568	3,192
Dewatering Pump - HL130	NOH	0	0	0	0	0	0	0	0	0	149	149	149	149	1,785	1,785	1,785	1,785	1,785	1,785	1,785	1,785	1,785	1,785	1,785	665

MINE EQUIPMENT REQUIREMENTS

Description	Units	PRE PROD	Year 1 M1	Year 1 M2	Year 1 M3	Year 1 M4	Year 1 M5	Year 1 M6	Year 1 M7	Year 1 M8	Year 1 M9	Year 1 M10	Year 1 M11	Year 1 M12	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12
MAJOR EQUIPMENT																									
Haul Truck - HD-465-7	#	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	5	6	6	6	6	4	3	2
Shovel - PC-1250-8R	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Loader - WA500-7	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Production/Pre-shear Drill - SANDVICK D65	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
SUPPORT EQUIPMENT																									
Track Dozer - D8	#	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Grader - 14M	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Excavator - CAT 349K	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Water Truck - Kenworth C500 chassis	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Powder Truck -	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Light Plant - MAGNUM MLT3080	#	2	2	2	2	2	2	2	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5
SERVICE EQUIPMENT																									
Fuel / Lube Truck - Kenworth C500 chassis	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mechanic Truck - Kenworth T800 chassis	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tire Handler - Kenworth C500 chassis	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom Truck - Kenworth C500 chassis	#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pick-up Truck - F250	#	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Dewatering Pump - HL130	#	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1