

**APPENDIX B – EXISTING, HISTORIC AND PROPOSED ACTION OPERATIONAL  
ACTIVITIES**

**Table 1, Appendix B - Operational Equipment and Frequency of Use**

Phase	Equipment Type and Number	Area IV-North Frequency/ Duration	Other Mine Areas Frequency/ Duration1	Notes
Vegetation and Topsoil Removal	Kress Trucks (5 x Kress) Loaders (1 x CAT 994), Haul trucks (7 x CAT 785)	FY12 to FY16 average: 56 shifts/year	FY12 to FY16 average: 24 shifts/year	Assume 5,000 cyds per shift.
Overburden and Interburden Blasting	Dozers (4 x D10) Rotary Drill (3 x Reedrills) ANFO and caps	Drilling shifts: FY12: 417 FY13: 373 FY14: 730 FY15: 730 FY16: 730 Blasting shifts: FY12: 83 FY13: 75 FY14: 146 FY15: 146 FY16: 146	Drilling Shifts: FY12: 1,495 FY13: 373 FY14: 986 FY15: 986 FY16: 986 Blasting shifts: FY12: 299 FY13: 274 FY14: 197 FY15: 197 FY16: 197	
Overburden and Interburden Removal	Draglines: 1 x Marion 8750 1 x Marion 8050 1 x Marion 7920 Dozers (8 x D11)	FY12: 7920 = 735 shifts  FY13: 7920 = 563 shifts. 8050 = 280 shifts  FY14: 7920 = 596 shifts 8050 = 958 shifts  FY15: 7920 = 433 shifts 8050 = 958 shifts  FY16: 7920 = 0 8050 = 813 shifts	FY12: 7920 = 200 shifts 8050 = 955 shifts 8750 = 902 shifts FY13: 7920 = 389 shifts 8050 = 596 shifts 8750 = 871 shifts FY14: 7920 = 254 shifts 8050 = 0 shifts 8750 = 890 shifts FY15: 7920 = 0 8050 = 0 8750 = 890 FY16: 7920 = 0 8050 = 0 8750 = 939 shifts	
Coal Removal	Dozers (8 x D11) Loaders (1 x L1350), Haul Trucks (5 x Kress) Graders (4 x 16H) Water trucks (3 x CAT 777) Coal Drill (1 x coal drill) ANFO and Blasting accessories	FY12: 1,220,000 tons 135 shifts FY13: 959,000 tons 109 shifts FY14: 4,153,000 tons 461 shifts FY15:	FY12: 7,428,000 tons 825 shifts FY13: 6,973,000 tons 775 shifts FY14: 5,229,000 tons 581 shifts FY15:	Assumes mining rate of 9,000 tons/ shift

Phase	Equipment Type and Number	Area IV-North Frequency/ Duration	Other Mine Areas Frequency/ Duration <sup>1</sup>	Notes
		4,023,000 tons 447 shifts FY16: 2,408,000 tons 268 shifts	4,901,000 tons 545 shifts FY16: 6,323,000 tons 703 shifts	
Rail hauling	2 locomotives 40 rail cars	FY12: 9,013,000 tons 767 shifts FY13: 8,762,000 tons 746 shifts FY14: 8,136,000 tons 692 shifts FY15: 8,925,000 tons 760 shifts FY16: 8,093,000 tons 689 shifts		Assumes: 2,000 tons/trip; 11,750 ton/shift haul rate

<sup>1</sup>Other mine areas refers to Areas II and III until about 2014 then only to Area III to July 2016.

FY = Fiscal Year from July 1<sup>st</sup> through June 30<sup>th</sup>

All shifts are 8 scheduled hours.

