



Summary of Modifications to Rasp Mine Project Approval 07_0018

| MOD | Mine Life | Mining Rate and Total Production | Mining Methods | Waste Rock Management | Processing Rate | Processing Methods | Concentrate Production | Tailings Disposal | Water Supply | Employment Numbers | Other | Key Changes to Approved Rasp Mine Environment Impacts |
|------|--------------------------------------|---|--|---|---|--|---|--|---|--|---|---|
| EA | 15 years from 2011 to 2026 | 750,000 tpa Total production over life of Project: 8,450,000 t | Underground mining using various methods including long hole, benching, modified Avoca, room and pillar or uphole retreat. | Underground: Backfill Surface: Inert material to be used for road repair and bunding and rehabilitation at closure. Permitted storage in Kintore Pit and BHP Pit. | 250 tph crushing plant 93.8 tph grinding plant | Crushing, grinding, flotation, thickening and filtration at on-site processing facilities. | Lead: 44,000 tpa (concentrate 73% Pb and 985 g/t Ag) Zinc: 87,000 tpa (concentrate 50% Zn) | Fine tailings disposal (approximately 320,000 tpa):- - TSF1 (10 m raise), and - TSF2 Blackwood Pit Coarse tailings disposal (approximately 320,000 tpa) as underground stope back fill. | Potable 9 ML/a Raw 139 ML/a Reclaimed /Recycled 300 ML/a Extraction up to 370 ML/a | 143 | - | - |
| PPR | No change | No change | No change | No change | No change | No change | No change | No change | No change | No change | Relocation of processing plant with concentrate trucked to new Rail Loadout, Removed secondary and tertiary crushers and screens from the crushing circuit. | No change to overall air quality as decrease in crushing is off-set by increase in trucking (of concentrate). However less receptors impacted as new location is further away from residents. |
| MOD1 | No change | No change | No change | No change | No change | No change | No change | No change | No change | No change | Relocation of ventilation shaft and installation of ventilation fans U/G. | Some increase in NOX exposure as new location closure to residents, criteria met. |
| MOD2 | No change | No change | No change | No change | No change | No change | No change | No change | No change | No change | Allow crusher to be operated at any time (24 hours per day 7 days per week). | Increase to night noise however all criteria met. |
| MOD3 | No change Replacement tonnes. | No change Replacement tonnes. | No change | No change | No change | No change | No change | No change | No change | No change | Extension of underground mining to include Block 7 (also included the Zinc Lodes). | Increase in vibration to residents. Increase in noise from intake vent shaft. |
| MOD4 | No Change | No Change | No change | Material <0.5% Pb used in TSF2 embankment construction | No change | No change | No change | No change | No change | 195 (updated 2 additional related to MOD4) | Cement silo, Concrete Batching Plant, | For construction - Increase in noise to some residents. - Minor increase to air quality however no HHRA required as impact not |



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| | | | | | | | | | | | | material. For operations - Visual amenity impacted, consistent with mining landform. |
| MOD5 | | | | | | | | | | | Cement silo, and warehouse extension. | No future impacts. |
| MOD7 | No change | No change | No change | Material <0.5% Pb used in TSF2 embankment construction | No change | No change | No change | No change | No change | No change | Mobile crushing in BHP Pit for embankment construction | Increase in air emissions offset by decrease in distance for trucking material. |
| MOD8 | No change | No change. Tonnes swap with Perilya. | No change | No change | No change | No change | No change | No change | No change | No change | U/G mining extension (20x250m) across Perilya Lease ML1249. | No future impacts. |
| MOD6 (proposed) | No change | 500,000tpa No change in total production to 2026. | No change | Co-placed with tailings in TSF3. Used for rehabilitation capping. Boxcut waste permanently stored in Little Kintore Pit and BHP Pit. | No change | No change | No change | Disposal in TSF3 Kintore Pit. Utilisation of the surface of TSF2 to naturally dry tailings which would be harvested and transferred to TSF3. | Potable water 10 ML/a. Raw water 324 ML/a. Reclaim water 525 ML/a. No change in extraction. | 192 (adjusted currently 186 workforce plus 6 new employees for MOD6 operations). | Establish Kintore Pit as TSF3. Relocate mine portal and decline to a new boxcut. Utilise TSF2 for tailings harvesting. Periodic crushing of non-ore material in Kintore and BHP Pits. Utilise waste rock (<0.5% Lead) for rehabilitation capping. Amendments for site noise criteria and annual environmental reporting. | For construction - Increase to noise and air quality impacts for short duration. - Vibration and overpressure impacts from surface blasting for short duration. For operations - Increase to noise impacts primarily due to tailings haulage, noise criteria met. - All air quality metrics, including Pb, are less than the emissions estimated in the EA. - No expected increase to BPb levels. |