

Attachment 2 to Statement 695

Change to Proposal

Proposal: Yandicoogina Junction South-East Mine, Mining Lease 274SA, Shire of East Pilbara

Proponent: Hamersley Iron Pty Ltd

Change: Increase of dewatering cap to 23 GL/a – s45C change to proposal

Key Characteristics Table:

Characteristic	Description of Approved Proposal	Description of Approved Changes to Proposal
Mining		
Project life	Approximately 16 years	Approximately 16 years
Length of deposit to be mined	Approximately 5.8 kilometres	Approximately 5.8 kilometres
Ore reserve to be mined	Approximately 280 million tonnes	Approximately 280 million tonnes
Mining rate	Approximately 16 million tonnes per annum	Approximately 16 million tonnes per annum
Pit depth	Approximately 65 metres (45 metres below the present water table)	Approximately 65 metres (45 metres below the present water table)
Overburden	Overburden will be stockpiled in a temporary storage area. Some of the material will be used for constructing drainage embankments. The remaining material will be used as backfill in the pit void.	Overburden will be stockpiled in a temporary storage area. Some of the material will be used for constructing drainage embankments. The remaining material will be used as backfill in the pit void.
Total disturbance area *	Up to 669 hectares (within mining lease 274SA), including up to 370 hectares for the Pit. *	Up to 669 hectares (within mining lease 274SA), including up to 370 hectares for the Pit.
Closure and rehabilitation	The final pit void will be backfilled to at least 490 metres Relative Level. The total disturbance area will be rehabilitated with local native vegetation.	The final pit void will be backfilled to at least 490 metres Relative Level. The total disturbance area will be rehabilitated with local native vegetation.
Dewatering		
Initial Dewatering	Approximately 27 to 30 megalitres per day	Removed – included in “Dewatering Requirements”
Maintenance	Approximately 15 to 20 megalitres per day	Removed – included in “Dewatering Requirements”
Sump Dewatering	Approximately 1 megalitre per day	Removed – included in “Dewatering Requirements”
Dewatering well fields	Initially 2 clusters of wells and a sacrificial well. As mining progresses, 3 additional cluster wellfields, plus sumps.	Initially 2 clusters of wells and a sacrificial well. As mining progresses, 3 additional cluster wellfields, plus sumps.
Dewatering Requirements	Inserted - new Key Characteristics Table element	23 giga litres per annum dewatering: The sum total of abstraction for both Yandi Junction Central (Statement 523) & Junction South East (Statement 695) mines should not exceed 35 giga litres per annum.
Processing and transport		
Crushing plant	Construction of a dry primary and secondary crushing plant	Construction of a dry primary and secondary crushing plant
Conveyor	Construction of a 4.8 kilometre long overland conveyor to link the crushing plant to the existing overland conveyor at Yandicoogina Junction Central. Ore will be conveyed to the Yandicoogina Junction	Construction of a 4.8 kilometre long overland conveyor to link the crushing plant to the existing overland conveyor at Yandicoogina Junction Central. Ore will be conveyed to the Yandicoogina Junction

Characteristic	Description of Approved Proposal	Description of Approved Changes to Proposal
	Central mine where it will undergo additional processing.	Central mine where it will undergo additional processing.
Transport	Ore will be transported along the central Pilbara Railway to the ship-loading facilities at Dampier Port and Cape Lambert.	Ore will be transported along the central Pilbara Railway to the ship-loading facilities at Dampier Port and Cape Lambert.
Infrastructure		
Power	An 8 megawatt diesel-fired power station will be used for additional power during early stages of construction. Connected to grid with power supplied by Hamersley's gas-fired power stations at Dampier and Paraburdoo.	An 8 megawatt diesel-fired power station will be used for additional power during early stages of construction. Connected to grid with power supplied by Hamersley's gas-fired power stations at Dampier and Paraburdoo.
Access roads	<ul style="list-style-type: none"> - Light vehicle access road from the transfer point on the current conveyor to the new crushing plant at Yandicoogina Junction Southeast. A crossing on Yandicoogina Creek will be required. - Heavy vehicle access road from Yandicoogina Junction Central to Junction Southeast. A crossing on Marillana Creek will be required. - Realignment of part of the public access road to Newman to allow bypass of heavy vehicle access road. 	<ul style="list-style-type: none"> - Light vehicle access road from the transfer point on the current conveyor to the new crushing plant at Yandicoogina Junction Southeast. A crossing on Yandicoogina Creek will be required. - Heavy vehicle access road from Yandicoogina Junction Central to Junction Southeast. A crossing on Marillana Creek will be required. - Realignment of part of the public access road to Newman to allow bypass of heavy vehicle access road.
Other facilities	Administration building, plant workshop and fuelling facility	Administration building, plant workshop and fuelling facility
Water		
Water management	Construction of flood protection levees and diversion drains	Construction of flood protection levees and diversion drains
Water use	Approximately 3 megalitres per day of dewatered water for dust suppression and potable use.	Approximately 3 megalitres per day of dewatered water for dust suppression and potable use.

* Original approval for "approximately 669 hectares (within mining lease 274SA)" with differentiation indicated for infrastructure, overburden waste dump, pit and post-closure backfill source areas, granted 25 October 2005, and amended to "Up to 669 hectares (within mining lease 274SA), including up to 370 hectares for the Pit" approved 4 March 2009.

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 16/7/09