

DEFECT NUMBER	OC47.03 (Prev. 103)	EQUIPMENT	KPCV10 - MP Reject Conveyor 10M	FACILITY	Oaky Creek Open Cut		
DEFECT CATEGORY	Structural	COMPONENT	Steel Grating	INSPECTED BY	Eduard Hernandez		
DEFECT TYPE	Steel Corrosion	LOCATION	Mesh Platform 2nd level west side	DATE	08-11-2025		
Description of Structural Integrity Issue	Advanced corrosion on the steel grid mesh support and the adjacent beam on the 2nd level platform, characterised by visible section loss and delamination.						
Structural Risk Assessment:	Potential Incident:	Structural Failure Mechanism:	Risk Assessment:	Consequence:	Likelihood		
	If not fixed, the mesh could detach or partially fail, leading to falling debris. This poses a risk of injury or fatalities.	Advanced corrosion can lead to bending and shear failure of the steel grating and supporting beams.		4-Major. This rating is based on Financial impact: < \$1M operating profit < \$300k property damage < \$1M asset devaluation	C - Possible - Could occur more than once during a lifetime or life of plant.		
			Required Action:	Planned Corrective Action	High [18]		
Previous Audit Result for Defect:	Heavy corrosion of grid mesh panel load bars at support beam may result in failure of floor mesh.						
Corrective Action:	1. Remove any loose debris and contaminants from the affected area. 2. Sandblast the corroded steel to remove rust and prepare the surface. 3. Weld reinforcement plates to the affected areas to restore structural integrity. 4. Replace any severely damaged components with new steel elements. 5. Apply a protective coating to prevent future corrosion.						
Photos:	 <p>DIRECTION 193 deg(T) 23.07082°S 148.48749°E ACCURACY 11 m DATUM WGS84 MP Reject Conv. 10M 2nd Platform West 103 - Steel Corrosion 2025-11-08 08:40:39+10:00</p>			 <p>DIRECTION 204 deg(T) 23.07083°S 148.48746°E ACCURACY 12 m DATUM WGS84 MP Reject Conv. 10M 2nd Platform West 103 - Steel Corrosion 2025-11-08 08:40:59+10:00</p>		 <p>DIRECTION 205 deg(T) 23.07083°S 148.48746°E ACCURACY 7 m DATUM WGS84 MP Reject Conv. 10M 2nd Platform West 103 - Steel Corrosion 2025-11-08 08:41:04+10:00</p>	