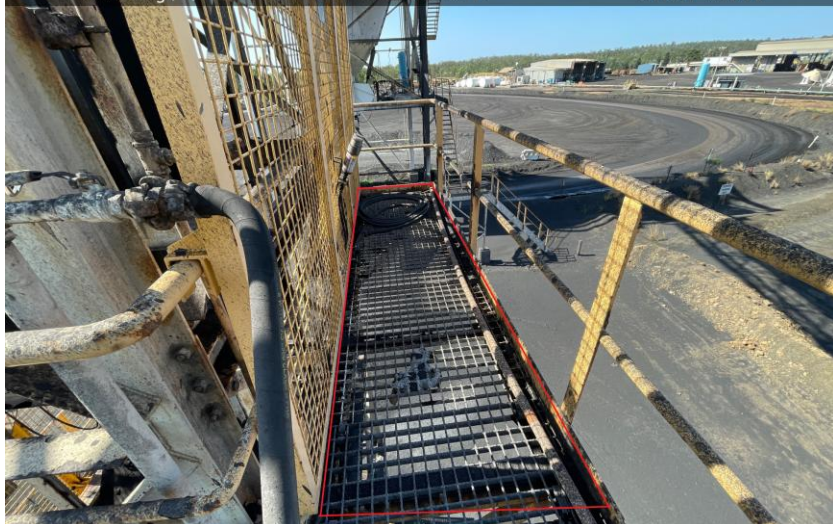




DEFECT NUMBER		OC47.03 (Prev. 103)		EQUIPMENT		KPCV10 - MP Reject Conveyor 10M		FACILITY		Oak Creek Open Cut		
DEFECT CATEGORY		Structural		COMPONENT		Steel Grating		INSPECTED BY		Eduard Hernandez		
DEFECT TYPE		Steel Corrosion		LOCATION		Mesh Platform 2nd level west side		DATE		08-11-2025		
Description 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:			Consequence:			Likelihood		Risk Rating		
	If not fixed, the mesh could detach or partially failure, 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.		Risk Assessment:	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.		High [18]		
				Required Action:	Planned Corrective Action							
Previous Audit Result for Defect:		Heavy corrosion of grid mesh panel load bars at support beam may result in failure of floor mesh.							Severity Level:		Abnormal	
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.							Estimated Corrective Action Cost:		0 - 5,000 AUD	
Photos:		<div><div><div><div>DIRECTION 193 deg(T)</div><div>23.07082°S 148.48749°E</div><div>ACCURACY 11 m DATUM WGS84</div></div><div>MP Reject Conv. 10M 2nd Platform West</div><div>103 – Steel Corrosion</div><div>2025-11-08 08:40:39+10:00</div></div><div><div><div>DIRECTION 204 deg(T)</div><div>23.07083°S 148.48746°E</div><div>ACCURACY 12 m DATUM WGS84</div></div><div>MP Reject Conv. 10M 2nd Platform West</div><div>103 – Steel Corrosion</div><div>2025-11-08 08:40:59+10:00</div></div><div><div><div>DIRECTION 205 deg(T)</div><div>23.07083°S 148.48746°E</div><div>ACCURACY 7 m DATUM WGS84</div></div><div>MP Reject Conv. 10M 2nd Platform West</div><div>103 – Steel Corrosion</div><div>2025-11-08 08:41:04+10:00</div></div></div>										