
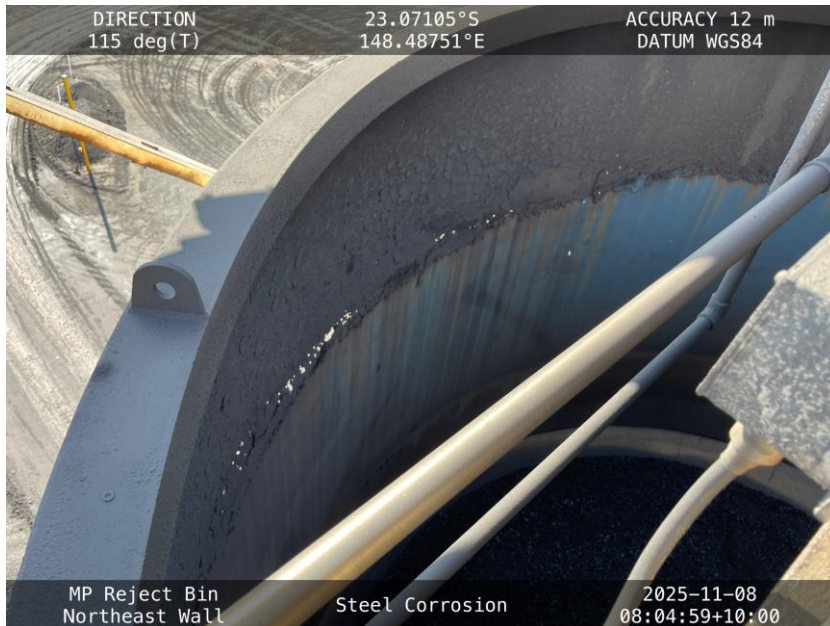
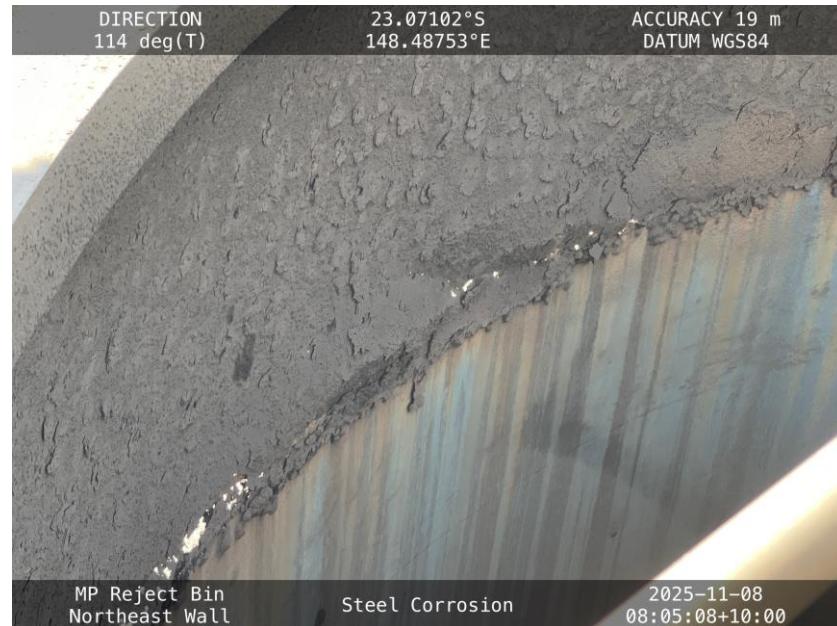


DEFECT NUMBER		OC37.01		EQUIPMENT		KPBN01 - MP Reject Bin		FACILITY		Oak Creek Open Cut			
DEFECT CATEGORY		Structural		COMPONENT		Steel Plate		INSPECTED BY		Eduard Hernandez			
DEFECT TYPE		Steel Corrosion		LOCATION		Top ring northeast wall of the MP Reject Bin		DATE		08-11-2025			
Description of Structural Integrity Issue		Advanced corrosion with rupture was identified along the top ring of the northeast wall of the MP Reject Bin. The defect presents as through-thickness perforations concentrated at the joint between the wall and the upper ring, with surrounding surface delamination and coating failure. The ruptures compromise structural continuity of the bin wall.											
Structural Risk Assessment:		Potential Incident:		Structural Failure Mechanism:			Consequence:		Likelihood		Risk Rating		
		If not fixed, the MP Reject Bin could fail, leading to a loss of containment and potential hazards for personnel nearby. This failure may also disrupt operations and result in significant financial losses.		The corrosion causes through-thickness perforations that compromise the bin wall's structural integrity, leading to potential buckling and loss of load-bearing capacity.		Risk Assessment:		3-Moderate. This rating is based on Financial impact: \$5M to \$50M operating profit \$1M to \$5M property damage \$5M to \$25M asset devaluation		C - Possible - Could occur more than once during a lifetime or life of plant.		Medium [13]	
						Required Action:							
Previous Audit Result for Defect:		No previous report available.								Severity Level:		Abnormal	
Corrective Action:		1. Remove all debris and built-up fines from the affected area. 2. Sandblast the corroded steel to remove rust and old coatings. 3. Weld a reinforcement plate over the perforated areas to restore structural integrity. 4. Apply a corrosion-resistant coating to protect the repair and surrounding steel. 5. Clean the area again to ensure no contaminants remain.								Estimated Corrective Action Cost:		30,000 - 50,000 AUD	
Photos:		<div><div><div><div>DIRECTION218 deg(T)23.07091°S148.48765°EACCURACY 4 mDATUM WGS84</div><div>MP Reject Bin Northeast WallSteel Corrosion2025-11-08 08:24:51+10:00</div></div></div></div>				<div><div><div><div>DIRECTION115 deg(T)23.07105°S148.48751°EACCURACY 12 mDATUM WGS84</div><div>MP Reject Bin Northeast WallSteel Corrosion2025-11-08 08:04:59+10:00</div></div></div></div>				<div><div><div><div>DIRECTION114 deg(T)23.07102°S148.48753°EACCURACY 19 mDATUM WGS84</div><div>MP Reject Bin Northeast WallSteel Corrosion2025-11-08 08:05:08+10:00</div></div></div></div>			