

FAILURE MODES AND EFFECTS ANALYSIS (FMEA) WORKSHEET.

MINE AREA/ COMPONENT	ID	FAILURE MODE	EFFECTS	PROJECT STAGE	LIKELIHOOD	CONSEQUENCES				LEVEL OF CONFIDENCE	MITIGATION/ COMMENTS
						BIOLOGICAL IMPACTS & LAND USE	REGULATORY IMPACTS & CONCERNS	PUBLIC CONCERN & IMAGE	HEALTH & SAFETY		
ARD CONTROL	A1										
OPEN PIT	A11	pit walls generate acidity	increased acidity at treatment plant	PC	E	L	N	L	N	H	provide increased treatment
TAILINGS STORAGE FACILITY	A12.1	inadequate blending of non-acid and acid forming tailings	increased acidity at treatment plant	O,PC	E	L	M	M	N	H	provide increased treatment/sludge storage, evaluate potential to improve blending
MINE ROCK PILE	A12.2	inadequate cover material stockpiling	increased infiltration & acidity & delayed infiltration reduction	PC	H	L	M	M	N	H	provide increased treatment/water storage
	A13	inadequate segregation of reactive material	contaminated discharge in unexpected areas	O,PC	L	M	H	H	L	M	provide independent QA/QC, provide additional capture or treatment

NOTES:

PROJECT STAGE: PC = POST CLOSURE O = OPERATIONS	LIKELIHOOD N = NOT LIKELY L = LOW M = MODERATE H = HIGH E = EXPECTED	CONSEQUENCES N = NEGLIGIBLE L = LOW M = MODERATE H = HIGH E = EXTREME	LEVEL OF CONFIDENCE H = HIGH M = MODERATE L = LOW
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