

Potential Project Wastewater Discharges to the Environment

Water Type	Source	Prior Treatment	Phase / Situation	Discharge Location	Quality of Discharge	Quantity	Comment
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Process Water

TMF / SCD		Detox + natural degradation	NOC			None	
TMF / SCD		Detox + natural degradation + secondary cyanide treatment if CNT > 0.1 mg/L	NOC and closure/ storm	Corna	TN001	*	TMF >2 PMPs
TMF / SCD		Detox + natural degradation + lagoon system	Closure	Corna	TN001	Seepage	Subject to compliance with TN001
TMF / SCD		Detox + natural degradation + lagoon system	Post-Closure	Corna	TN001	Seepage	Subject to compliance with TN001
TMF / SCD		Detox + natural degradation + lagoon system	Post-closure Storm	Corna	TN001	Baseline Flow	Commitment to long-term lowering of SCD

Acid Rock Drainage

ARDWWTP	ARDWWTP		NOC / Closure	Corna/Rosia for BF/WB	TN001	Flow Node 35	
TMF/SCD	Detox & ARDWWTP		>2PMPs	Corna/Rosia for BF/WB	TN001	*	Negligible ARD
TMF dam face	ARDWWTP		All Stages	Corna/Rosia for BF/WB	TN001	Flow Node 35	
Cetate Dam	None		> 100yr 24hr event	Rosia	TN001	*	Limestone Spillway Mitigation
Cetate Pit Lake	In-pit and ARDWWTP, then lagoon system		Post-closure	Rosia	TN001	Baseline Flow	
Cetate Pit Lake	None / semi passive lagoon system		Final State	Rosia	TN001	Baseline Flow	

Domestic Wastewater

Construction Camp	Contractor to Remove		1 yr pre-completion	Rosia	To comply with regulations	<12m3/hr	Temporary, discharge permit required
Staff Facilities	DWWTP		Closure	Rosia	To comply with regulations	Flow Node 13	Reduced relative to previous phases

Impacted Storm Water

Site Runoff	None		Construction	Rosia / Corna	Sediment only	Baseline Flow	Implementation of BMP's
Site Runoff	ARDWWTP		NOC	Rosia / Corna	TN001	*	
Pit face runoff	ARDWWTP then Cells		Closure/post-closure	Rosia / Corna	TN001	Baseline Flow	