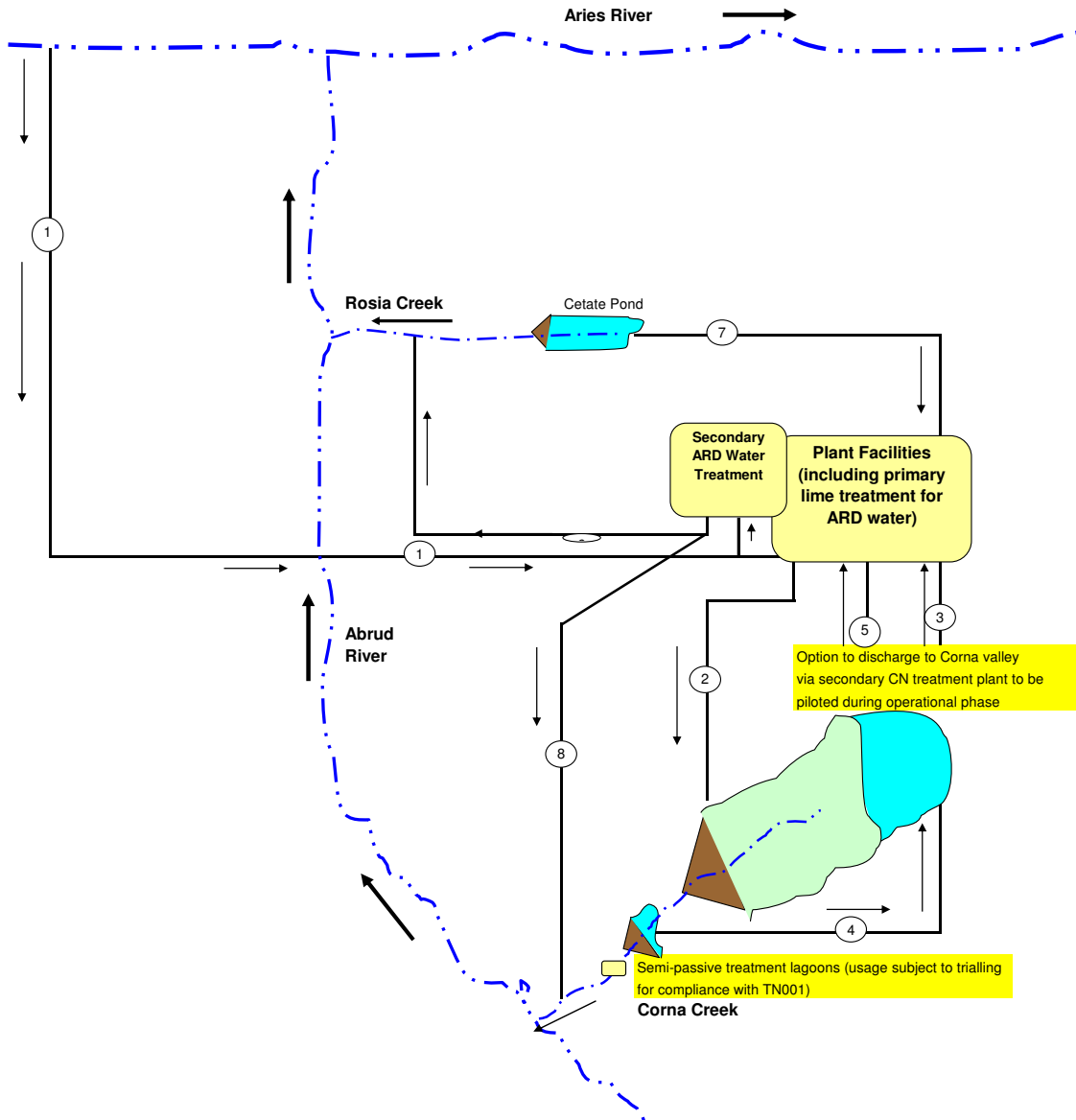


**OVERALL WATER MANAGEMENT STRATEGY ELEMENTS**



Pipeline Summary			
	Name	From	To
1	Fresh Water Pipeline	Aries River	Plant
2	Tailings Delivery Line	Plant	TMF
3	Reclaim Water	TMF Reclaim Pond	Plant
4	SCD Pump Back	SCD	TMF Basin
5	PMP Pumping System	TMF Reclaim Pond	Plant
6	Discharge/compensation to Rosia	Treatment Systems	Rosia Stream
7	Cetate Pipeline	Cetate Pond	Plant
8	Discharge/compensation to Corna	Treatment Systems	Corna Stream

Normal Operations	
ARD treatment plant:	Primary Lime Treatment and Secondary Treatment to meet Recycle to plant
Freshwater supply to:	Plant
Cetate	All water pumped to ARD plant
TMF:	Recycle all water to plant for operations
SCD:	Recycle water to TMF reclaim pond

Stormwater Operations	
TMF	Store two PMFs then Pump to plant and/or secondary CN treatment plant to meet TN001
SCD	Spillway with dilution to TN001
Cetate	Spillway and low operating level to meet TN001

Secondary Treatment	
1	Optimized lime addition and pH adjustment to reduce calcium in discharge
2	Barium and sodium carbonate addition to precipitate calcium and sulfate
3	The above chemical treatment options will be designed to meet TN001
4	However, mixing with freshwater may be required periodically to ensure compliance with TN001 to