

Table OP-7 Water Balance - Calculation Details (Page 1 of 2)

PRODUCTION PLANT					
Operational Phases	Production Flow To Plant (gpm)	Flow to Production RO (gpm)	Production RO Recovery (percent)	Production RO Permeate (gpm)	Production RO Brine (gpm)
Full Production Only	6000	200	70.00%	140	60
Full Production & GWS	6000	200	70.00%	140	60
Full Production, GWS & RO	6000	200	70.00%	140	60
Full Production & RO	6000	200	70.00%	140	60
GWS & RO	0	0	70.00%	0	0
RO Only	0	0	70.00%	0	0

RESTORATION PLANT						
Operational Phases	GWS Phase Flow to Plant (gpm) (D)	RO Phase Flow to Plant (gpm) (E)	Restoration Total Flow to Plant (gpm) (D+E)	Primary Restoration RO Recovery (percent)	Primary Restoration RO Permeate (gpm) (F)	Primary Restoration RO Brine (gpm) (G)
Full Production Only	0	0	0	0.00%	0	0
Full Production & GWS	30	0	30	0.00%	0	30
Full Production, GWS & RO	30	570	600	75.00%	450	150
Full Production & RO	0	600	600	75.00%	450	150
GWS & RO	40	760	800	75.00%	600	200
RO Only	0	800	800	75.00%	600	200

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SECONDARY BRINE CONCENTRATION *					
Operational Phases	Secondary RO Feed (gpm) (C+G)	Secondary RO Recovery (percent)	Secondary RO Permeate (gpm) (H)	Secondary RO Brine (gpm) (I)	Total Brine to Disposal (gpm) (I) or (C+G)
Full Production Only*	0	0%	0	0	60
Full Production & GWS*	0	0%	0	0	90
Full Production, GWS & RO	210	50%	105	105	105
Full Production & RO	210	50%	105	105	105
GWS & RO	200	50%	100	100	100
RO Only	200	50%	100	100	100

* Note: Secondary Brine Concentration not utilized when feed rate would be below 100 gpm.

PERMEATE UTILIZATION						
Operational Phases	Total Flow Permeate (gpm) (B+F+H)	Permeate to Injection (gpm)	Permeate to Restoration (gpm)	Permeate to Plant Use (gpm)	Permeate to Drill Use (gpm)	Permeate to WYPDES (gpm)
Full Production Only	140	140	0	0	0	0
Full Production & GWS	140	140	0	0	0	0
Full Production, GWS & RO	695	140	555	0	0	0
Full Production & RO	695	140	555	0	0	0
GWS & RO	700	0	700	0	0	0
RO Only	700	0	700	0	0	0