

Attachment A Sample Survey

**Attachment A.1 – Wastewater Treatment Plant Permit
and Water Quality Information**

Wastewater Treatment Plant
Permit and Quality Information

Facility Information					Sewage Source Information					Discharge Information										
Region	Treatment Facility Name	Operating Agency	Address/Location	Year Originally Constructed or Planned	(Put in % of Avg. Daily Flow)				Avg. Influent TDS (mg/l)	Comments	Discharge Location (List All)	Discharge/Reuse Flows (Put in % Discharged/Reused Based on Avg. Flow)						Nearest Brine Disposal (Whether connected or used or not)		
					Domestic	Industrial	GW Desalters/ Environ. Cleanups	Other				Total (Must total 100%)	Stream	Ocean	Brineline	Percolation	Downstream WWTP		Reuse (GW, Irrigation, etc)	Other (Specify)
Los Angeles	Alamitos Barrier ATP	Los Angeles CSD						0%			Direct Injection to Seawater Barrier						100%			
Los Angeles	Burbank WRP	City of Burbank						0%			Los Angeles River	%					%			
Los Angeles	West Basin - Carson Regional WRP	West Basin MWD						0%			Joint WPCP		%				%	%	Sewer	
Los Angeles	Donald C. Tillman WRP	City of LA-Bureau of San						0%			Los Angeles River	%					%			
Los Angeles	Hyperion WWTP	City of LA-Bureau of San						0%			Ocean						%		Outfall	
Los Angeles	Lancaster WRP	Los Angeles CSD						0%			Land Discharge						%			
Los Angeles	Joint WPCP	Los Angeles CSD						0%			Ocean							%	Outfall	
Los Angeles	La Canada WRP	Los Angeles CSD						0%			Golf Course Irrigation						100%			
Los Angeles	Long Beach WRP	Los Angeles CSD						0%			Alamitos Barrier ATP, Ocean	%					%			
Los Angeles	Los Angeles/Glendale WRP	City of LA-Bureau of San						0%	786		Los Angeles River	%					%			
Los Angeles	Los Coyotes WRP	Los Angeles CSD						0%			San Gabriel River	%					%			
Los Angeles	Malibu Mesa WTF	Los Angeles County Department of Public Works																		
Los Angeles	Palmdale WRP	Los Angeles CSD						0%			Land Discharge									
Los Angeles	Pomona WRP	Los Angeles CSD						0%			San Jose Creek	%					%			
Los Angeles	San Jose Creek WRP	Los Angeles CSD						0%			San Gabriel River	%					%	%		
Los Angeles	Saugus WRP	Los Angeles CSD						0%			Santa Clara River	%					%			
Los Angeles	Terminal Island WWTP	City of LA-Bureau of San						0%			Ocean						%	%	Outfall	
Los Angeles	Valencia WRP	Los Angeles CSD						0%			Santa Clara River	%					%			
Los Angeles	West Basin WRP - Barrier Treat	West Basin MWD						0%			Direct Injection to Seawater Barrier						%			
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)	West Basin MWD						0%			Only RO Concentrate to Hyperion Outfall						%			
Los Angeles	West Basin WRP-Edward C. Little WRF	West Basin MWD						0%			Hyperion Outfall						%			
Los Angeles	West Basin WRP - Chevron Nitrification Plant	West Basin MWD																		
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed	West Basin MWD																		
Los Angeles	Whittier Narrows WRP	Los Angeles CSD						0%			Rio Hondo						%			
ADD ADDITIONAL FACILITIES																				
Los Angeles																				
Los Angeles																				
Los Angeles																				
Los Angeles																				
Los Angeles																				

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		NPDES or State Discharge Permit Information (Please attach permit)											Reuse Permit Information (Please attach permit)			
Region	Treatment Facility Name	Permit No.	TDS Limit (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen Limit (mg/l)	pH	Residual Chlorine Requirement (mg/l)	TMDL Permit Limits (explain)	Note any exceptions, multiple limit requirements, etc.	Comments (Note any other discharge limits such as toxicity, heavy metals, etc.)	Permit No.	Type of Reuse Permitted	TDS Limit (mg/l)	Comments (Note any other potential reuse limits, especially those that could cause the need for Advanced (RO) treatment in the future)
Los Angeles	Alamitos Barrier ATP															
Los Angeles	Burbank WRP		950													
Los Angeles	West Basin - Carson Regional WRP															
Los Angeles	Donald C. Tillman WRP															
Los Angeles	Hyperion WWTP															
Los Angeles	Lancaster WRP		N/A													
Los Angeles	Joint WPCP															
Los Angeles	La Canada WRP															
Los Angeles	Long Beach WRP															
Los Angeles	Los Angeles/Glendale WRP		950													
Los Angeles	Los Coyotes WRP															
Los Angeles	Malibu Mesa WTF															
Los Angeles	Palmdale WRP		N/A													
Los Angeles	Pomona WRP		750													
Los Angeles	San Jose Creek WRP		750													
Los Angeles	Saugus WRP		1000													
Los Angeles	Terminal Island WWTP															
Los Angeles	Valencia WRP		1000													
Los Angeles	West Basin WRP - Barrier Treat															
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)															
Los Angeles	West Basin WRP-Edward C. Little WRF															
Los Angeles	West Basin WRP - Chevron Nitrification Plant															
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed															
Los Angeles	Whittier Narrows WRP		750													
ADD ADDITIONAL FACILITY																
Los Angeles																
Los Angeles																
Los Angeles																
Los Angeles																
Los Angeles																

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		Current Effluent Quality (Average Values)											Tertiary Treatment Process Type (Place X)					Disinfection Process Type (Place X)						
Region	Treatment Facility Name	TDS (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Residual Chlorine Concentration (mg/l)	Source of Data (List All)	Note any other water quality parameters that may be pertinent to discharge limits or could result in the need for Advanced Treatment (RO)	Comments (Note any concerns regarding compounds of emerging concern (CECs) (including EDCs, disinfection byproducts, PhACs, etc.) and provide any recent data)	Cloth Media	Dual Media - Sand Filtration	Fuzzy Filter	Dynasand	Membrane Filtration (MF or UF)	Comments (Note any variations, different technology utilized, or planned changes in future and year)	Free Chlorine	Chloramine	Free Chlorine/Chloramine Combination	UV	Ozonation	Comments (Note chemical and dosage used. Also, note any variations, different technology utilized, or planned changes in future and year.)
		Los Angeles	Alamitos Barrier ATP	60																				
Los Angeles	Burbank WRP	550																						
Los Angeles	West Basin - Carson Regional WRP	150																						
Los Angeles	Donald C. Tillman WRP	505																						
Los Angeles	Hyperion WWTP	644																						
Los Angeles	Lancaster WRP	548																						
Los Angeles	Joint WPCP	1390																						
Los Angeles	La Canada WRP																							
Los Angeles	Long Beach WRP	603																						
Los Angeles	Los Angeles/Glendale WRP	660																						
Los Angeles	Los Coyotes WRP	848																						
Los Angeles	Malibu Mesa WTF																							
Los Angeles	Palmdale WRP	520																						
Los Angeles	Pomona WRP	535																						
Los Angeles	San Jose Creek WRP	569																						
Los Angeles	Saugus WRP	661																						
Los Angeles	Terminal Island WWTP	2820																						
Los Angeles	Valencia WRP	794																						
Los Angeles	West Basin WRP - Barrier Treat	644																						
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)	644																						
Los Angeles	West Basin WRP-Edward C. Little WRF	644																						
Los Angeles	West Basin WRP - Chevron Nitrification Plant																							
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed																							
Los Angeles	Whittier Narrows WRP	524																						
ADD ADDITIONAL FACILITY																								
Los Angeles																								
Los Angeles																								
Los Angeles																								
Los Angeles																								
Los Angeles																								

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																		Brine-Concentrate Technologies		
Region	Treatment Facility Name	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	Note disposal method used, technology, energy usage, provide unit cost info (cost to build, cost to operate, energy costs, etc.) and planned year of technology change or addition.	
Los Angeles	Alamitos Barrier ATP																					
Los Angeles	Burbank WRP																					
Los Angeles	West Basin - Carson Regional WRP																					
Los Angeles	Donald C. Tillman WRP																					
Los Angeles	Hyperion WWTP																					
Los Angeles	Lancaster WRP																					
Los Angeles	Joint WPCP																					
Los Angeles	La Canada WRP																					
Los Angeles	Long Beach WRP																					
Los Angeles	Los Angeles/Glendale WRP																					
Los Angeles	Los Coyotes WRP																					
Los Angeles	Malibu Mesa WTF																					
Los Angeles	Palmdale WRP																					
Los Angeles	Pomona WRP																					
Los Angeles	San Jose Creek WRP																					
Los Angeles	Saugus WRP																					
Los Angeles	Terminal Island WWTP																					
Los Angeles	Valencia WRP																					
Los Angeles	West Basin WRP - Barrier Treat																					
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)																					
Los Angeles	West Basin WRP-Edward C. Little WRF																					
Los Angeles	West Basin WRP - Chevron Nitrification Plant																					
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed																					
Los Angeles	Whittier Narrows WRP																					
ADD ADDITIONAL FACILITY																						
Los Angeles																						
Los Angeles																						
Los Angeles																						
Los Angeles																						
Los Angeles																						

Attachment A.2 – Wastewater Treatment Plant Flow Information

Wastewater Treatment Plant
Permit and Quality Information

Facility Information			Current (as of end of 2008)																													
Region	Treatment Facility Name	Operating Agency	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)														
			Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/Dust Control	Miscellaneous/Other (Specify in Comment)	Total		
Los Angeles	Alamitos Barrier ATP	Los Angeles CSD	-	-	-	-	-																								-	
Los Angeles	Burbank WRP	City of Burbank	9.0	9.0	9.0	-	-																								-	
Los Angeles	West Basin - Carson Regional WRP	West Basin MWD	-	-	-	5.9	-																								-	
Los Angeles	Donald C. Tillman WRP	City of LA-Bureau of San	60.0	60.0	60.0	-	-																								-	
Los Angeles	Hyperion WWTP	City of LA-Bureau of San	450.0	450.0	-	-	-																								-	
Los Angeles	Lancaster WRP	Los Angeles CSD	10.0	10.0	-	-	-																								-	
Los Angeles	Joint WPCP	Los Angeles CSD	385.0	200.0	-	-	-																								-	
Los Angeles	La Canada WRP	Los Angeles CSD	0.2	0.2	0.2	-	-	0.1	0.1	0.1	-	-													107.0					107		
Los Angeles	Long Beach WRP	Los Angeles CSD	25.0	25.0	25.0	-	-	13.9	13.9	13.9	-	-																			-	
Los Angeles	Los Angeles/Glendale WRP	City of LA-Bureau of San	20.0	20.0	20.0	-	-																								-	
Los Angeles	Los Coyotes WRP	Los Angeles CSD	37.5	37.5	37.5	-	-	22.6	22.6	22.6	-	-																			-	
Los Angeles	Malibu Mesa WTF	Los Angeles County Department of Public Works																													-	
Los Angeles	Palmdale WRP	Los Angeles CSD	8.0	8.0	-	-	-																								-	
Los Angeles	Pomona WRP	Los Angeles CSD	15.0	15.0	13.0	-	-	9.9	9.9	9.9	-	-																			-	
Los Angeles	San Jose Creek WRP	Los Angeles CSD	100.0	100.0	100.0	-	-	78.5	78.5	78.5	-	-																			-	
Los Angeles	Saugus WRP	Los Angeles CSD	6.5	6.5	6.5	-	-																									-
Los Angeles	Terminal Island WWTP	City of LA-Bureau of San	13.8	13.8	13.8	5.0	-																									-
Los Angeles	Valencia WRP	Los Angeles CSD	13.5	13.5	13.5	-	-																									-
Los Angeles	West Basin WRP - Barrier Treat	West Basin MWD	-	-	-	7.5	-																									-
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)	West Basin MWD	-	-	4.3	4.3	-																									-
Los Angeles	West Basin WRP-Edward C. Little WRF	West Basin MWD	-	-	30.0	-	-																									-
Los Angeles	West Basin WRP - Chevron Nitrification Plant	West Basin MWD																														-
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed	West Basin MWD																														-
Los Angeles	Whittier Narrows WRP	Los Angeles CSD	15.0	15.0	15.0	-	-	8.3	8.3	8.3	-	-																				-
ADD ADDITIONAL FACILITIES																																
Los Angeles																															-	
Los Angeles																																-
Los Angeles																																-

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		Planning Year 2010																											
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)												
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total
Los Angeles	Alamitos Barrier ATP	-	-	-	4.0														3,900	3,900	-	-	-	-	-	-	-	-	7,800
Los Angeles	Burbank WRP	9.0	9.0	9.0	-																	1,314	1,871	-	-	-	-	3,185	
Los Angeles	West Basin - Carson Regional WRP	-	-	-	5.9																	9,450	1,418	-	-	-	600	11,468	
Los Angeles	Donald C. Tillman WRP	60.0	60.0	60.0	-																	-	10,000	-	-	-	-	10,000	
Los Angeles	Hyperion WWTP	450.0	450.0	-	-																	-	-	-	-	-	-	-	
Los Angeles	Lancaster WRP	21.0	21.0	21.0	-																		1,852	15,109	6,560	-	-	23,521	
Los Angeles	Joint WPCP	385.0	385.0	-	-																	-	-	-	-	-	-	-	
Los Angeles	La Canada WRP																											-	
Los Angeles	Long Beach WRP	25.0	25.0	25.0	-																	7,184	5,604	-	-	-	-	12,787	
Los Angeles	Los Angeles/Glendale WRP	20.0	20.0	20.0	-																	1,608	9,695	-	10	-	-	11,313	
Los Angeles	Los Coyotes WRP	50.0	50.0	50.0	-																	1,123	6,357	-	-	-	-	7,480	
Los Angeles	Malibu Mesa WTF																												
Los Angeles	Palmdale WRP	15.0	15.0	-	-																			9,935	-	-	-	9,935	
Los Angeles	Pomona WRP	15.0	15.0	13.0	-											2,000						4,181	5,903	-	75	-	-	12,159	
Los Angeles	San Jose Creek WRP	125.0	125.0	125.0	-											59,000						6,996	14,625	-	-	-	2,705	83,325	
Los Angeles	Saugus WRP	6.5	6.5	6.5	-																	-	-	-	-	-	-	-	
Los Angeles	Terminal Island WWTP	13.8	13.8	13.8	5.0														4,000	4,000	3,478		2,881	-	-	-	-	14,359	
Los Angeles	Valencia WRP	27.6	27.6	27.6	-																	-	-	-	-	-	-	-	
Los Angeles	West Basin WRP - Barrier Treat	-	-	-	7.5														16,800	16,800	-	-	-	-	-	-	-	33,600	
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)	-	-	5.4	5.4																	4,816	-	-	-	-	-	4,816	
Los Angeles	West Basin WRP-Edward C. Little WRF	-	-	50.0	-																	11,918	12,641	-	-	-	-	24,559	
Los Angeles	West Basin WRP - Chevron Nitrification Plant																												
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed																												
Los Angeles	Whittier Narrows WRP	15.0	15.0	15.0	-											8,000						-	50	-	-	-	-	8,050	
ADD ADDITIONAL FACI																													
Los Angeles																													-
Los Angeles																													-
Los Angeles																													-

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		Planning Year 2015																												
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)													
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/Dust Control	Miscellaneous/Other (Specify in Comment)	Total	
Los Angeles	Alamitos Barrier ATP	-	-	-	-															3,900										3,900
Los Angeles	Burbank WRP	9.0	9.0	9.0	-																									-
Los Angeles	West Basin - Carson Regional WRP	-	-	-	5.9																									-
Los Angeles	Donald C. Tillman WRP	80.0	80.0	80.0	-																									-
Los Angeles	Hyperion WWTP	450.0	450.0	-	-																									-
Los Angeles	Lancaster WRP	10.0	10.0	-	-																									-
Los Angeles	Joint WPCP	385.0	200.0	-	-																									-
Los Angeles	La Canada WRP																													-
Los Angeles	Long Beach WRP	25.0	25.0	25.0	-																									-
Los Angeles	Los Angeles/Glendale WRP	20.0	20.0	20.0	-																									-
Los Angeles	Los Coyotes WRP	37.5	37.5	37.5	-																									-
Los Angeles	Malibu Mesa WTF																													-
Los Angeles	Palmdale WRP	8.0	8.0	-	-																									-
Los Angeles	Pomona WRP	13.0	13.0	13.0	-																									-
Los Angeles	San Jose Creek WRP	100.0	100.0	100.0	-																									-
Los Angeles	Saugus WRP	6.5	6.5	6.5	-																									-
Los Angeles	Terminal Island WWTP	30.0	30.0	30.0	5.0														4,000											4,000
Los Angeles	Valencia WRP	13.5	13.5	13.5	-																									-
Los Angeles	West Basin WRP - Barrier Treat	-	-	7.5	7.5														16,800											16,800
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)	-	-	-	-																									-
Los Angeles	West Basin WRP-Edward C. Little WRF	-	-	30.0	-																									-
Los Angeles	West Basin WRP - Chevron Nitrification Plant																													-
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed																													-
Los Angeles	Whittier Narrows WRP	15.0	15.0	15.0	-																									-
ADD ADDITIONAL FACI																														
Los Angeles																														-
Los Angeles																														-
Los Angeles																														-

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		Planning Year 2020																										
Region	Treatment Facility Name	Treatment Capacity (MGD)				Average Daily Flow (MGD)				Maximum Daily Flow (MGD)				Recycled Water Usage (AFY)														
		Primary	Secondary	Tertiary	Advanced (RO) Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO) Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO) Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/ Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total		
Los Angeles	Alamitos Barrier ATP																										3,900	
Los Angeles	Burbank WRP																											-
Los Angeles	West Basin - Carson Regional WRP																											-
Los Angeles	Donald C. Tillman WRP																											-
Los Angeles	Hyperion WWTP																											-
Los Angeles	Lancaster WRP																											-
Los Angeles	Joint WPCP																											-
Los Angeles	La Canada WRP																											-
Los Angeles	Long Beach WRP	25.0	25.0	25.0	-																							-
Los Angeles	Los Angeles/Glendale WRP																											-
Los Angeles	Los Coyotes WRP																											-
Los Angeles	Malibu Mesa WTF																											-
Los Angeles	Palmdale WRP																											-
Los Angeles	Pomona WRP																											-
Los Angeles	San Jose Creek WRP																											-
Los Angeles	Saugus WRP																											-
Los Angeles	Terminal Island WWTP																											4,000
Los Angeles	Valencia WRP																											-
Los Angeles	West Basin WRP - Barrier Treat																											16,800
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)																											-
Los Angeles	West Basin WRP-Edward C. Little WRF																											-
Los Angeles	West Basin WRP - Chevron Nitrification Plant																											-
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed																											-
Los Angeles	Whittier Narrows WRP	15.0	15.0	15.0	-																							-
ADD ADDITIONAL FACI																												
Los Angeles																												-
Los Angeles																												-
Los Angeles																												-

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		Planning Year 2025																														
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)															
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/Dust Control	Miscellaneous/Other (Specify in Comment)	Total			
Los Angeles	Alamitos Barrier ATP																														3,900	
Los Angeles	Burbank WRP																														-	
Los Angeles	West Basin - Carson Regional WRP																														-	
Los Angeles	Donald C. Tillman WRP																														-	
Los Angeles	Hyperion WWTP																														-	
Los Angeles	Lancaster WRP																														-	
Los Angeles	Joint WPCP																														-	
Los Angeles	La Canada WRP																														-	
Los Angeles	Long Beach WRP	25.0	25.0	25.0	-																										-	
Los Angeles	Los Angeles/Glendale WRP																														-	
Los Angeles	Los Coyotes WRP																														-	
Los Angeles	Malibu Mesa WTF																														-	
Los Angeles	Palmdale WRP																														-	
Los Angeles	Pomona WRP																														-	
Los Angeles	San Jose Creek WRP																														-	
Los Angeles	Saugus WRP																														-	
Los Angeles	Terminal Island WWTP																														4,000	
Los Angeles	Valencia WRP																														-	
Los Angeles	West Basin WRP - Barrier Treat																														16,800	
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)																														-	
Los Angeles	West Basin WRP-Edward C. Little WRF																														-	
Los Angeles	West Basin WRP - Chevron Nitrification Plant																															
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed																															
Los Angeles	Whittier Narrows WRP	15.0	15.0	15.0	-																										-	
ADD ADDITIONAL FACI																																
Los Angeles																																-
Los Angeles																																-
Los Angeles																																-

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		Planning Year 2030																											
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)												
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total
Los Angeles	Alamitos Barrier ATP																			3,900									3,900
Los Angeles	Burbank WRP																												-
Los Angeles	West Basin - Carson Regional WRP																												-
Los Angeles	Donald C. Tillman WRP																												-
Los Angeles	Hyperion WWTP																												-
Los Angeles	Lancaster WRP																												-
Los Angeles	Joint WPCP																												-
Los Angeles	La Canada WRP																												-
Los Angeles	Long Beach WRP	25.0	25.0	25.0	-																								-
Los Angeles	Los Angeles/Glendale WRP																												-
Los Angeles	Los Coyotes WRP																												-
Los Angeles	Malibu Mesa WTF																												-
Los Angeles	Palmdale WRP																												-
Los Angeles	Pomona WRP																												-
Los Angeles	San Jose Creek WRP																												-
Los Angeles	Saugus WRP																												-
Los Angeles	Terminal Island WWTP																			4,000									4,000
Los Angeles	Valencia WRP																												-
Los Angeles	West Basin WRP - Barrier Treat																			16,800									16,800
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)																												-
Los Angeles	West Basin WRP-Edward C. Little WRF																												-
Los Angeles	West Basin WRP - Chevron Nitrification Plant																												-
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed																												-
Los Angeles	Whittier Narrows WRP	15.0	15.0	15.0	-																								-
ADD ADDITIONAL FACI																													
Los Angeles																													-
Los Angeles																													-
Los Angeles																													-

Wastewater Treatment Plant
Permit and Quality Information

Facility Information		Planning Year 2035																			Ultimate Build-out															
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)									Treatment Capacity (MGD)										
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Year of Build Out	
Los Angeles	Alamitos Barrier ATP	-	-	-	8.0														3,900	8,000	1,621		-	-	-	-	-	13,521	-	-	-	8.0				
Los Angeles	Burbank WRP	15.0	15.0	15.0	-																9,450	4,219	-	-	-	-	13,669	15.0	15.0	15.0	-					
Los Angeles	West Basin - Carson Regional WRP	-	-	-	5.9																5,812	1,418	-	-	-	600	7,830	-	-	-	5.9					
Los Angeles	Donald C. Tillman WRP	80.0	80.0	80.0	-																-	14,290	-	-	-	-	14,290	80.0	80.0	80.0	-					
Los Angeles	Hyperion WWTP	550.0	550.0	-	-																		-	-	-	-	-	550.0	550.0	-	-					
Los Angeles	Lancaster WRP	26.0	26.0	26.0	-																-	1,852	20,710	6,560	-	-	29,122	26.0	26.0	26.0	-					
Los Angeles	Joint WPCP	400.0	400.0	-	-																7,205	-	-	-	-	-	7,205	400.0	400.0	-	-					
Los Angeles	La Canada WRP																										-									
Los Angeles	Long Beach WRP	25.0	25.0	25.0	-																2,961	9,907	-	-	-	-	12,867	25.0	25.0	25.0	-					
Los Angeles	Los Angeles/Glendale WRP	50.0	50.0	20.0	-																7,258	20,834	-	10	-	-	28,102	50.0	50.0	20.0	-					
Los Angeles	Los Coyotes WRP	50.0	50.0	50.0	-																		14,676	-	-	-	5	14,681	50.0	50.0	50.0	-				
Los Angeles	Malibu Mesa WTF																																			
Los Angeles	Palmdale WRP	22.4	22.4	22.4	-																4,181		9,935	-	-	-	14,116	22.4	22.4	22.4	-					
Los Angeles	Pomona WRP	15.0	15.0	13.0	-											2,000					10,128	7,737	-	75	-	-	19,940	15.0	15.0	13.0	-					
Los Angeles	San Jose Creek WRP	125.0	125.0	125.0	-											59,000	#####				-	31,509	-	-	-	2,705	157,490	125.0	125.0	125.0	-					
Los Angeles	Saugus WRP	6.5	6.5	6.5	-																16,482	-	-	-	-	-	16,482	6.5	6.5	6.5	-					
Los Angeles	Terminal Island WWTP	30.0	30.0	15.0	5.0															4,000	4,000	-	3,659	-	-	-	11,659	30.0	30.0	15.0	5.0					
Los Angeles	Valencia WRP	30.6	30.6	30.6	-																-	-	-	-	-	-	-	30.6	30.6	30.6	-					
Los Angeles	West Basin WRP - Barrier Treat	-	-	-	7.5															#####	#####	4,816	-	-	-	-	-	38,416	-	-	-	7.5				
Los Angeles	West Basin WRP - Chevron RO (Boilerfeed Water)	-	-	5.4	5.4																		13,335	-	-	-	-	13,335	-	-	5.4	5.4				
Los Angeles	West Basin WRP-Edward C. Little WRF	-	-	50.0	-																-	15,303	-	-	-	-	15,303	-	-	50.0	-					
Los Angeles	West Basin WRP - Chevron Nitrification Plant																																			
Los Angeles	West Basin WRP - Exxon Mobil Nitrification/Boilerfeed																																			
Los Angeles	Whittier Narrows WRP	15.0	15.0	15.0	-											8,000						3,000	50	-	-	-	11,050	15.0	15.0	15.0	-					
ADD ADDITIONAL FACI																																				
Los Angeles																																				
Los Angeles																																				
Los Angeles																																				

Attachment A.3 – Industrial Discharger Data

Industrial Discharger Data or Send Existing Information
in Excel (e.g. Pretreatment Program Documentation)

Receiving Facility(s)					Planning Year 2020		Planning Year 2025		Planning Year 2030		Planning Year 2035	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
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Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												
Los Angeles												

Attachment A.4 – Ocean Outfall Information

Ocean Outfall Information

Facility Information						
Region	Outfall Facility Name	Operating Agency	Location	Year Originally Constructed or Planned	Type of Flow	Contributing WWTPs or Other Facilities (List out)
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles			Treated Wastewater	Hyperion WWTP West Basin WRP LA/Glendale WRP Burbank WRP Tillman WRP Ahmanson Ranch Tapia WRF
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles			Treated Wastewater	Hyperion WWTP West Basin WRP LA/Glendale WRP Burbank WRP Tillman WRP Ahmanson Ranch Tapia WRF
Los Angeles	Joint Outfall (12 foot diameter)	LACSD			Treated Wastewater	Joint WPCP Brewer Desalter Long Beach WRP Long Beach Seawater Desalination Plant Alamitos Barrier Project Los Coyotes WRP Carson Regional WRP Los Coyotes WRP Whittier Narrows WRP San Jose Creek WRP Pomona WRP Pomona Ion Exchange Facility Upland Ion Exchange Facility
Los Angeles	Joint Outfall (8 foot diameter)	LACSD			Treated Wastewater	Joint WPCP Brewer Desalter Long Beach WRP Long Beach Seawater Desalination Plant Alamitos Barrier Project Los Coyotes WRP Carson Regional WRP Los Coyotes WRP Whittier Narrows WRP San Jose Creek WRP Pomona WRP Pomona Ion Exchange Facility Upland Ion Exchange Facility
Los Angeles	Private Industrial Outfall #1	Private Industrial			Treated Wastewater	West Basin Desalination
Los Angeles	Private Industrial Outfall #2	Private Industrial			Treated Wastewater	LADWP Seawater Desalination Plant
Los Angeles	Terminal Island Outfall	City of Los Angeles			Treated Wastewater	Terminal Island WWTP
ADD ADDITIONAL FACILITIES						

Ocean Outfall Information

Facility Information			Pipeline Information					
Region	Outfall Facility Name	Operating Agency	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles			144	727.0		
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles			144	765.0		
Los Angeles	Joint Outfall (12 foot diameter)	LACSD			144			
Los Angeles	Joint Outfall (8 foot diameter)	LACSD			96			
Los Angeles	Private Industrial Outfall #1	Private Industrial						
Los Angeles	Private Industrial Outfall #2	Private Industrial						
Los Angeles	Terminal Island Outfall	City of Los Angeles			60	66.0		
ADD ADDITIONAL FACILITIES								

Ocean Outfall Information

Facility Information			Discharge Water Quality Permit Limits/ Information													
Region	Outfall Facility Name	Operating Agency	Permit No.	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (YUa)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles														
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles														
Los Angeles	Joint Outfall (12 foot diameter)	LACSD														
Los Angeles	Joint Outfall (8 foot diameter)	LACSD														
Los Angeles	Private Industrial Outfall #1	Private Industrial														
Los Angeles	Private Industrial Outfall #2	Private Industrial														
Los Angeles	Terminal Island Outfall	City of Los Angeles														
ADD ADDITIONAL FACILITIES																

Ocean Outfall Information

Facility Information			Discharge Water Quality Data/ Information												
Region	Outfall Facility Name	Operating Agency	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (Yua)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional issues	Comments
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles													
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles													
Los Angeles	Joint Outfall (12 foot diameter)	LACSD													
Los Angeles	Joint Outfall (8 foot diameter)	LACSD													
Los Angeles	Private Industrial Outfall #1	Private Industrial													
Los Angeles	Private Industrial Outfall #2	Private Industrial													
Los Angeles	Terminal Island Outfall	City of Los Angeles													
ADD ADDITIONAL FACILITIES															

Ocean Outfall Information

Facility Information			Current (as of end of 2008)			Planning Year 2010			Planning Year 2015			Planning Year 2020		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles												
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles												
Los Angeles	Joint Outfall (12 foot diameter)	LACSD												
Los Angeles	Joint Outfall (8 foot diameter)	LACSD												
Los Angeles	Private Industrial Outfall #1	Private Industrial												
Los Angeles	Private Industrial Outfall #2	Private Industrial												
Los Angeles	Terminal Island Outfall	City of Los Angeles			16.0									
ADD ADDITIONAL FACILITIES														

Ocean Outfall Information

Facility Information			Planning Year 2025			Planning Year 2030			Planning Year 2035		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles									
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles									
Los Angeles	Joint Outfall (12 foot diameter)	LACSD									
Los Angeles	Joint Outfall (8 foot diameter)	LACSD									
Los Angeles	Private Industrial Outfall #1	Private Industrial									
Los Angeles	Private Industrial Outfall #2	Private Industrial									
Los Angeles	Terminal Island Outfall	City of Los Angeles									
ADD ADDITIONAL FACILITIES											

**Attachment A.5 – Brinelines, WWTP Land Outfalls,
and Sewer Interconnection Information**

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information						
Region	Brineline Facility Name	Operating Agency	Contributing WWTPs or Other Facilities (List out)	End of Pipe Location/ Connection	Year Originally Constructed or Planned	Type of Flow
Los Angeles	Proposed Brewer Desalter Brineline	WRD	Brewer Desalter	Redondo Beach Power Plant Outfall		Brine
Los Angeles	Brewer Desalter-Joint Intertie	LACSD	Brewer Desalter	Proposed Brewer Desalter Outfall/ Joint WPCP		Brine
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD	Carson Regional WRP	Joint WPCP		Brine
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD	Long Beach WRP Alamitos Barrier Project Long Beach Seawater Desalination Plant	Joint WPCP		Brine
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD	Los Coyotes WRP LB Wetlands Project	Joint WPCP		Treated Wastewater
Los Angeles	LACSD Brine Interceptor	LACSD	Whittier Narrows WRP San Jose Creek WRP	Joint WPCP		Brine
Los Angeles	Pomona Effluent Pipeline	LACSD	Pomona WRP	Pomona WRP/ LACSD Brine Interceptor		Treated Wastewater
Los Angeles	West Basin Brineline	West Basin MWD	West Basin WRP	Hyperion WWTP		Brine
ADD ADDITIONAL FACILITIES						
Los Angeles						
Los Angeles						

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Pipeline Information							
Region	Brineline Facility Name	Operating Agency	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)	Solids Settlement Problems (Please describe)	Any Planned Treatment or Maintenance Method
Los Angeles	Proposed Brewer Desalter Brineline	WRD			16					
Los Angeles	Brewer Desalter-Joint Intertie	LACSD								
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD								
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD			24					
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD								
Los Angeles	LACSD Brine Interceptor	LACSD								
Los Angeles	Pomona Effluent Pipeline	LACSD								
Los Angeles	West Basin Brineline	West Basin MWD								
ADD ADDITIONAL FACILITIES										
Los Angeles										
Los Angeles										

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Discharge Water Quality Data/ Information										Water Quality Limitations	
Region	Brineline Facility Name	Operating Agency	Discharge Order/ Agreement	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Heavy Metals (mg/l)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments	Note any specific limitations to water quality for each brineline
Los Angeles	Proposed Brewer Desalter Brineline	WRD												
Los Angeles	Brewer Desalter-Joint Intertie	LACSD												
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD												
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD												
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD												
Los Angeles	LACSD Brine Interceptor	LACSD												
Los Angeles	Pomona Effluent Pipeline	LACSD												
Los Angeles	West Basin Brineline	West Basin MWD												
ADD ADDITIONAL FACILITIES														
Los Angeles														
Los Angeles														

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Cost Information			Current (as of end of 2008)			Planning Year 2010			Planning Year 2015		
Region	Brineline Facility Name	Operating Agency	Unit Discharge Cost	Energy Cost	Operation and Maintenance Cost	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Proposed Brewer Desalter Brineline	WRD												
Los Angeles	Brewer Desalter-Joint Intertie	LACSD												
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD												
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD												
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD												
Los Angeles	LACSD Brine Interceptor	LACSD												
Los Angeles	Pomona Effluent Pipeline	LACSD												
Los Angeles	West Basin Brineline	West Basin MWD												
ADD ADDITIONAL FACILITIES														
Los Angeles														
Los Angeles														

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Planning Year 2020			Planning Year 2025			Planning Year 2030			Planning Year 2035		
Region	Brineline Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Proposed Brewer Desalter Brineline	WRD												
Los Angeles	Brewer Desalter-Joint Intertie	LACSD												
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD												
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD												
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD												
Los Angeles	LACSD Brine Interceptor	LACSD												
Los Angeles	Pomona Effluent Pipeline	LACSD												
Los Angeles	West Basin Brineline	West Basin MWD												
ADD ADDITIONAL FACILITIES														
Los Angeles														
Los Angeles														

**Attachment A.6 – Groundwater Desalter and
Groundwater Cleanup Treatment Plant Capacity and
Discharge Data**

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

Facility Information									
Region	Facility Name	Facility Owner	Address/ Location	Year Originally Constructed or Planned	Treatment Method(s)	Purpose of Plant	Constituents in Source Water	Brine Discharge Location (Existing/ Future)	Notes (Include any source or discharge limitations)
Los Angeles	City of Chino Ion Exchange Facility	City of Chino				Groundwater - Potable Use	TDS (Salts)	LACSD Outfall	Plant not currently in operation
Los Angeles	Goldsworthy Desalter	WRD/City of Torrance		2001		Groundwater - Potable Use	TDS (Salts)		20 year groundwater recovery program
Los Angeles	Marvin C. Brewer Desalter	WBMWD		1993		Groundwater - Potable Use	TDS (Salts)	LACSD Outfall	Removes saline plume/ Future Redondo Beach Power Plant Outfall; Surface Discharge
Los Angeles	Montclair Ion Exchange	City of Montclair				Groundwater - Potable Use	TDS (Salts)	LACSD Outfall	
Los Angeles	Pomona Ion Exchange Facility	IEUA				Groundwater - Potable Use	TDS (Salts)	LACSD Outfall	
Los Angeles	Upland Ion Exchange Facility	City of Upland		2035		Groundwater - Potable Use	Nitrates	LACSD Outfall	
ADD ADDITIONAL FACILITIES									
Los Angeles									
Los Angeles									
Los Angeles									
Los Angeles									
Los Angeles									

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

Facility Information			Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																			
Region	Facility Name	Facility Owner	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	
Los Angeles	City of Chino Ion Exchange Facility	City of Chino																				
Los Angeles	Goldsworthy Desalter	WRD/City of Torrance																				
Los Angeles	Marvin C. Brewer Desalter	WBMWD																				
Los Angeles	Montclair Ion Exchange	City of Montclair																				
Los Angeles	Pomona Ion Exchange Facility	IEUA																				
Los Angeles	Upland Ion Exchange Facility	City of Upland																				
ADD ADDITIONAL FACILITIES																						
Los Angeles																						
Los Angeles																						
Los Angeles																						
Los Angeles																						
Los Angeles																						

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

Facility Information			Current (as of end of 2008)				Planning Year 2010					Planning Year 2015				Planning Year 2020			
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Average Brine/Concentrate Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Average Brine/Concentrate Flow (MGD)	Is funding secure for any expansions/new plants?	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Average Brine/Concentrate Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Average Brine/Concentrate Flow (MGD)
Los Angeles	City of Chino Ion Exchange Facility	City of Chino					-		-										
Los Angeles	Goldsworthy Desalter	WRD/City of Torrance	2.5				2.70		2.70	0.81									
Los Angeles	Marvin C. Brewer Desalter	WBMWD	1.3				1.50		1.50	0.45									
Los Angeles	Montclair Ion Exchange	City of Montclair					-		-										
Los Angeles	Pomona Ion Exchange Facility	IEUA					15.00		15.00	4.50									
Los Angeles	Upland Ion Exchange Facility	City of Upland					-		-										
ADD ADDITIONAL FACILITIES																			
Los Angeles																			
Los Angeles																			
Los Angeles																			
Los Angeles																			
Los Angeles																			

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

Facility Information			Planning Year 2025				Planning Year 2030				Planning Year 2035				Ultimate Build-out			
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Average Brine/Concentrate Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Average Brine/Concentrate Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Average Brine/Concentrate Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Average Brine/Concentrate Flow (MGD)
Los Angeles	City of Chino Ion Exchange Facility	City of Chino									-		7.20	-	-			
Los Angeles	Goldsworthy Desalter	WRD/City of Torrance									2.70		2.70	-	2.70			
Los Angeles	Marvin C. Brewer Desalter	WBMWD									1.50		1.50	-	1.50			
Los Angeles	Montclair Ion Exchange	City of Montclair									-		1.60	-	-			
Los Angeles	Pomona Ion Exchange Facility	IEUA									15.00		24.00	-	15.00			
Los Angeles	Upland Ion Exchange Facility	City of Upland									-		3.00	-	-			
ADD ADDITIONAL FACILITIES																		
Los Angeles																		
Los Angeles																		
Los Angeles																		
Los Angeles																		
Los Angeles																		

Attachment B
Sample Regional Meeting Invitation
and Presentation

RECLAMATION

Managing Water in the West

Southern California Regional Brine-Concentrate Management Study

The Bureau of Reclamation and 15 southern California water and wastewater agencies have formed a partnership to examine brine concentrate issues in the region. Southern California faces reductions in State Water Project supply and long-term drought forecasts. Reclaiming and recycling wastewater, and desalting ocean and brackish groundwater can provide reliable alternatives to imported water to meet local supply needs. These water supplies, however, require treatment to remove and dispose of brine concentrates - or salts. The focus of this study Phase 1 is on evaluating brine-concentrate management and disposal alternatives, regulatory requirements, emerging and secondary constituents of concern, and recommending solutions to address current and forecasted disposal needs for coastal and inland areas.



Phase 1 recommendations could result in a study Phase 2 implementing one or more demo-pilot projects that address brine-concentrate management.

Study Partners:

- California Department of Water Resources
- City of San Bernardino Water Department
- City of San Diego Water Department
- County Sanitation District No. 2 of Los Angeles County
- Inland Empire Utilities Agency
- Lake Arrowhead Community Services District
- Los Angeles Department of Water and Power
- Metropolitan Water District of Southern California
- Orange County Sanitation District
- Otay Water District
- Rancho California Water District
- San Diego County Water Authority
- Santa Ana Watershed Project Authority
- Southern California Salinity Coalition
- West Basin Municipal Water District
- Western Municipal Water District



For more information, please contact Greg Krzys at:
Bureau of Reclamation – Southern California Area Office
27708 Jefferson Avenue, Suite 202
Temecula, CA 92590

Phone: (951) 695 5310 or Email at gkrzys@lc.usbr.gov

Reclamation, Southern California Entities Form Partnership to Study Regional Brine Management Issues

The Bureau of Reclamation and 15 Southern California water and wastewater agencies have formed a partnership to examine brine concentrate issues in the region. Southern California faces reductions in State Water Project supply and long-term drought forecasts. Reclaiming and recycling wastewater, and desalting ocean and brackish groundwater can provide reliable alternatives to imported water to meet local supply needs. These water supplies, however, require treatment to remove and dispose of brine concentrates - or salts. The focus of this study is on evaluating brine-concentrate management and disposal alternatives, and recommending solutions to address current and forecasted disposal needs.

To provide information about the study, and seek data that would be appropriate to include in this study, a series of public meetings have been scheduled in the Southern California region.

Members of the public, organizations, and agencies that have an interest in this study are invited to attend. An overview of the study will be given at each meeting, and feedback sought from those attending.

Meeting dates, locations, and time are noted below:

November 14, 2008

Santa Ana Watershed Project Authority, 11615 Sterling Ave in Riverside from 9:00 AM - 12:00 PM

December 2, 2008

San Diego County Water Authority, 4677 Overland Avenue, San Diego, from 9:00 a.m. - 12:00 p.m.

December 4, 2008

Metropolitan Water District of Southern California, Room US2-456, 700 North Alameda Street, Los Angeles, from 9:00 a.m. - 12:00 p.m.

December 11, 2008

South Orange County Wastewater Authority, 34156 Del Obispo Street, Dana Point, from 9:00 a.m. - 12:00 p.m.

Reclamation will also accept written comments on the proposed project, or accept requests from individuals who wish to be placed on a project mailing list. Written comments or requests may be sent to Greg Krzys, Bureau of Reclamation, Southern California Area Office, 27708 Jefferson Ave., Suite 202, Temecula, CA 92590. Mr. Krzys can also be contacted by telephone at (951) 695-5310, or by email at: gkrzys@lc.usbr.gov.

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Reclamation is the largest wholesale water supplier and the second largest producer of hydroelectric power in the United States, with operations and facilities in the 17 Western States. Its facilities also provide substantial flood control, recreation, and fish and wildlife benefits. Visit our website at www.usbr.gov.

RECLAMATION

Managing Water in the West

Southern California Regional Brine-Concentrate Management Study - Phase I



U.S. Department of the Interior
Bureau of Reclamation

Purpose of Meeting

- **Provide the history and purpose of the Study**
- **Explain the survey and data needed**
- **Obtain Contact Information**
- **Solicit input and data**

RECLAMATION

Southern California Balancing Scarce Water Supplies

- **Growing demands**
- **Diminishing supply reliability**
- **Regulatory issues**
- **Local water augmentation strategies**
- **Emerging rural demands**
- **Help drought proof the region**

RECLAMATION

Salinity Sources

- **Raw water supply**
 - Colorado River Water
 - State Water Project
 - Groundwater including recycled water
 - Seawater desalination
- **Conservation**
 - Domestic
 - Irrigation
 - Industrial



State Water Project
~816,000 tons

Colorado River
~593,000 tons

History of Project

- **Southern California Water Recycling and Reuse Study (SCCWRRS)**
 - 8 Year Planning Effort Beginning in 1993
 - Goal: To Promote More Efficient Use of Total Water Resources by Increasing Use of Reclaimed Water
 - Fostered regional partnerships
 - Examined short- and long-term potential for reuse
 - Conclusions:
 - Long-term shortfalls
 - Maximizing reuse increases costs
 - Identified constraints & short term implementation plans

RECLAMATION

History of Project

- **Southern California Water Recycling Projects Initiative**
 - 5 Year Planning Effort Beginning in 2001
 - Examine recycled water issues on a local and regional basis
 - Fostered regional partnership on issues facing water recycling
 - Successful public information and educational strategies
 - Financial support opportunities
 - Water quality analysis

RECLAMATION

History of Project

Southern California Water Recycling Projects Initiative

- **Water quality analysis focused on salinity and brine-concentrate management**
 - Salinity impacts on water recycling
 - Sources of brine-concentrate
 - Scenario-based projections of brine-concentrate flows
 - Brine-concentrate technology options
 - Identified cost impacts for managing brine-concentrate
 - Identified potential solutions and recommendations

RECLAMATION

History of Project

Southern California Water Recycling Projects Initiative

- **Brine-concentrate management conclusions:**
 - Increased brine-concentrate mgt costs = increased recycled water costs
 - More stringent water quality regulations = Increased brine-concentrate flows
 - Future water recycling limited by advanced treatment & brine-concentrate mgt
 - Water quality regulations, brineline capacity and limits on ocean disposal = need for volume reduction and ZLD solutions

RECLAMATION

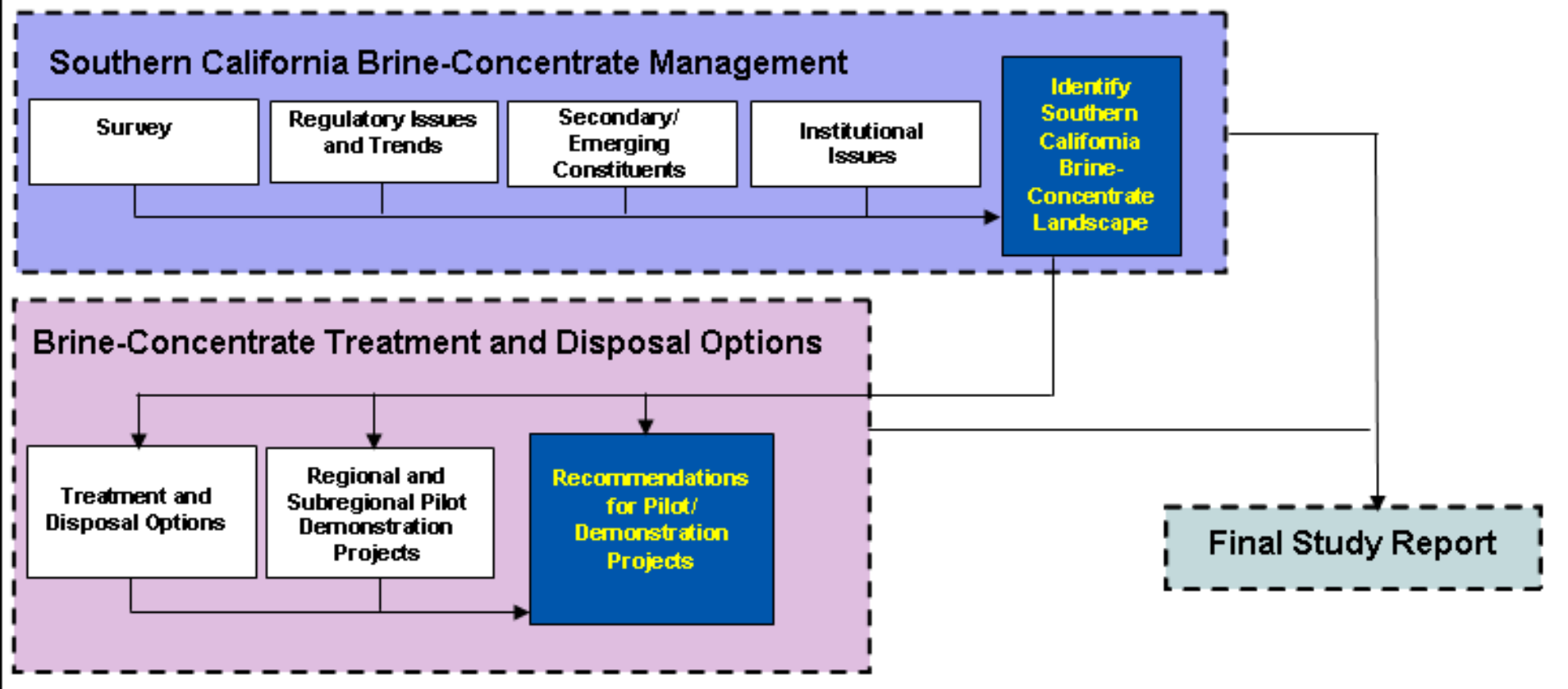
Southern California Regional Brine-Concentrate Management Study

- Conducted by Reclamation and 14 local/ regional agencies and CA DWR
- Focus is to examine and develop solutions to address brine-concentrate management issues
- Purpose is to identify solutions and pilot/demonstration projects



RECLAMATION

Study Components



RECLAMATION

Study Components

- **Data collection and analysis of brine-concentrate:**
 - Facilities
 - Regulations
 - Institutional issues
 - Compounds of Emerging Concern (CECs)
- **Assessment of treatment and disposal mechanisms**
- **Recommendation for 10 pilot projects for brine-concentrate disposal**
- **Final project study report**

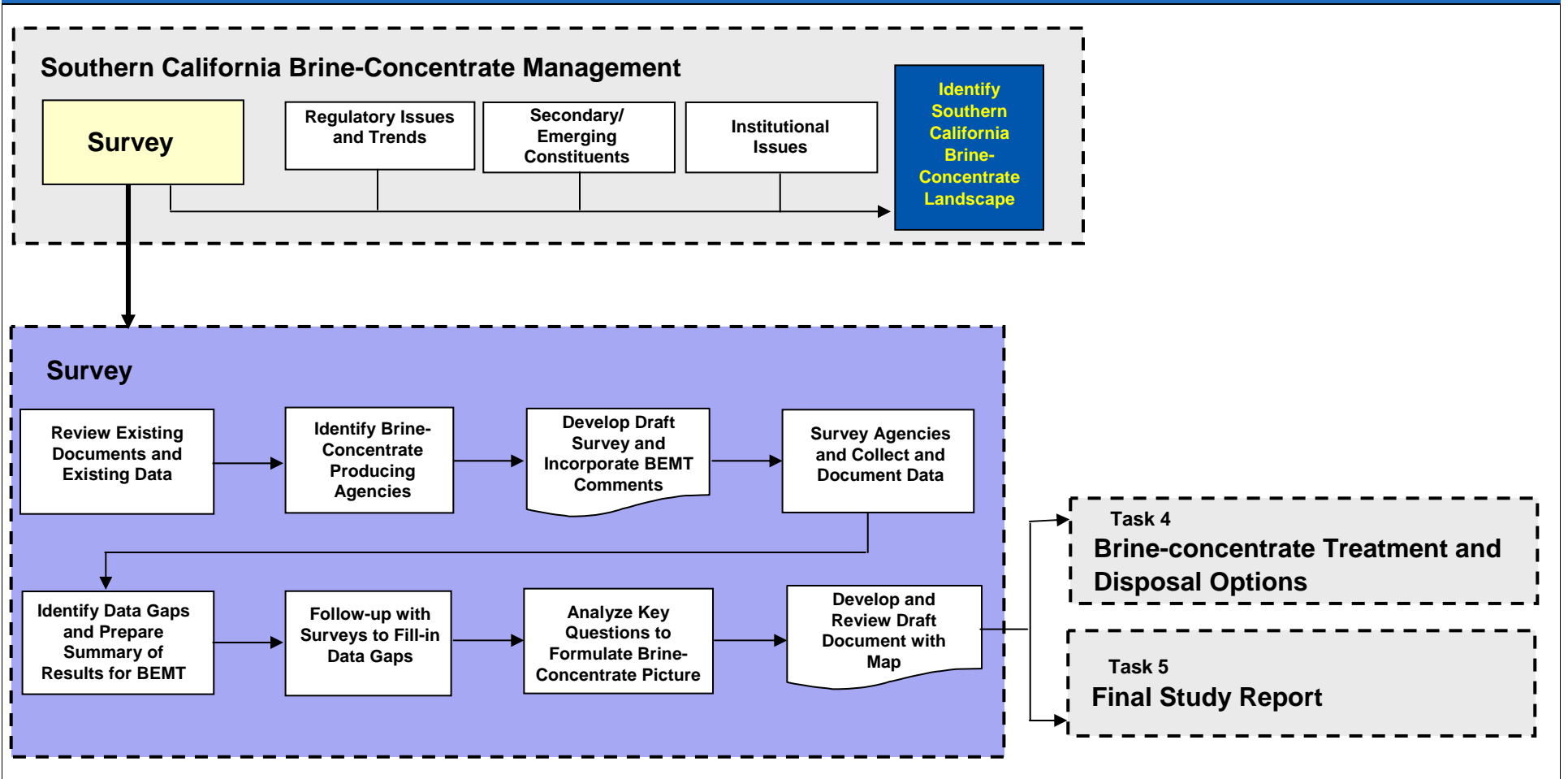
RECLAMATION

Project Timeline

- **Survey: Nov - Feb**
- **Regulatory issues: Nov - Feb**
- **CECs: Dec - Apr**
- **Institutional issues: Nov - Feb**
- **Treatment and disposal options: Dec - May**
- **Regional and sub-regional solutions: May - Aug**
- **Final Report: Aug - Oct**

RECLAMATION

Survey



Survey Timeline

- **Regional survey meetings:**
 - Inland Empire/Desert/Mountains Region: Nov. 14
 - San Diego Region: Dec 2
 - Los Angeles/Ventura Region: Dec. 4
 - Orange County Region: Dec 11
- **Complete surveys: End of Dec**
- **Summary of data and data gaps: Dec – Jan**
- **Follow-up with agencies: Jan - Feb**
- **Survey report: Mar - Apr**

RECLAMATION

Survey Method

- Pre-populated data from previous studies
- Microsoft Excel utilized
- Solicit input
 - Agency contact list
 - Excel surveys to be e-mailed
 - Regional meetings
 - BEMT members
 - Follow-up as needed

Survey Needs

- **5 surveys developed for specific facility types**
 - **WWTPs (including RO plants)**
 - **Groundwater desalters and clean-up facilities**
 - **Industrial dischargers**
 - **Ocean outfalls**
 - **Brinelines**
- **Surveys will be sent based on facility type**

RECLAMATION

Survey – Data Types

- **Hard Data**
 - Capacity, flow, and quality
 - Treatment type and permit requirements
 - Costs (capital, O&M, energy)
 - Planned/potential facility upgrades
- **Soft Data**
 - Existing and future permit limitations
 - Institutional issues
 - Compounds of emerging concern
 - Brineline issues (scale formation, solids settling)

WWTP Survey

Key Information Needs

- Facility information
- Sewage source information
- Discharge information
 - Type of discharge
 - NPDES permit information
 - Reuse permit information
 - Effluent water quality
- Treatment facility information
 - Type of treatment (tertiary, disinfection, brine handling)
 - Capacity, maximum and average daily flows (2010-2035)
 - Amount and type of reuse (2010-2035)
- Pre-populated with SCCWRRS/Initiative data

RECLAMATION

GW Facilities Survey

Key Information Needs

- Facility information
- Treatment information
 - Treatment method
 - Constituents of concern
 - Discharge location
- Concentrate water quality information
- Treatment information
 - Capacity and average daily flow (2010-2035)
 - Average brine-concentrate flow (2010-2035)

RECLAMATION

Industrial Dischargers Survey

Key Information Needs

- **Focused on certain types of dischargers**
 - **Brine-concentrate flows**
 - **CECs**
 - **Others that could be relevant to study**
- Receiving facility information
- Discharger information
- Type of discharger
- Discharge water quality information
- Flow information
 - Maximum or instantaneous flow
 - Daily average flow

RECLAMATION

Ocean Outfall Survey

Key Information Needs

- Facility information
- Pipeline information
 - Size, material, capacity, problems
- Discharge water quality
- Permit limits
- Flow information
 - Average Daily Flow
 - Maximum Daily Flow
 - Available Capacity

RECLAMATION

Brine Line Survey

Key Information Needs

- Facility information
- Pipeline information
 - Size, material, capacity, problems
- Discharge water quality
- Permit limits
- Flow information
 - Average Daily Flow
 - Maximum Daily Flow
 - Available Capacity

RECLAMATION

Next Steps

- **Today**
 - **Get contact information**
 - **Assist with questions**
 - **Discuss specific brine-concentrate issues**
 - **Existing brine-concentrate facilities/concerns**
 - **Planned or conceptual facilities**
- **Complete surveys by end of December**
- **Follows ups in January**
- **Develop list of pilot/demonstration projects**

RECLAMATION

Contacts

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- Scott Lynch – scott.lynch@ch2m.com
- Mike Mickley - mike@mickleyassoc.com
- Greg Krzys – gkrzys@lc.usbr.gov

RECLAMATION

Attachment C

Survey Data

**Attachment C.1 – Wastewater Treatment Plant Permit
and Water Quality Information**

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information					Sewage Source Information						Discharge Information									
Region	Treatment Facility Name	Operating Agency	Address/ Location	Year Originally Constructed or Planned	(Put in % of Avg. Daily Flow)					Avg. Influent TDS (mg/l)	Comments	Discharge Location (List All)	Discharge/Reuse Flows (Put in % Discharged/Reused Based on Avg. Flow)						Nearest Brine Disposal (Whether connected or used or not)	
					Domestic	Industrial	GW Desalters/ Environ. Cleanups	Other	Total (Must total 100%)				Stream	Ocean	Brine/line	Percolation	Downstream WWTP	Reuse (GW, Irrigation, etc)		Other (Specify)
Inland Empire	Banning WWRP	City of Banning							0%	170										
Inland Empire	Beaumont WWTP #1	City of Beaumont							0%	444		Santa Ana River	100%							
Inland Empire	Big Bear Area RWA WWTF	Big Bear Area RWA							0%			Irrigation of Fodder Crops in Lucerne Valley						100%		
Inland Empire	Carbon Canyon WRF	Inland Empire Utilities Agency	14950 Telephone Ave Chino, CA 91710	1992	99%	1%			100%	437	99% Domestic includes 5% Commercial	Santa Ana River	71%					29%	SARI	
Inland Empire	Chino Institution For Men	California DOC							0%									100%	SARI	
Inland Empire	Colton WWTP	City of Colton							0%	512		To RIX WRP for Discharge to the Santa Ana River	100%						SARI	
Inland Empire	Corona WWTP #1	City of Corona	2205 Railroad Street, Corona, CA		85%	15%			100%	726		Temescal Creek	33%					25%	42%	SARI
Inland Empire	Corona WWTP #2	City of Corona	650 E. Harrison Street, Corona, CA		85%	15%			100%	729		Percolation Ponds						100%		SARI
Inland Empire	Corona WWTP #3	City of Corona	3997 Temescal Canyon Road, Corona, CA		95%	5%			100%	787		Temescal Creek	15%						85%	SARI
Inland Empire	EVMWD-Alberhill	EVMWD							0%											
Inland Empire	Grass Valley Wastewater Treatment Facility	Lake Arrowhead Community Services District	27000 Pilot Roack Road, Lake Arrowhead, CA 92352	1985	100%				100%	240		Hesperia Percolation Ponds adjacent to Mojave River							100%	SARI
Inland Empire	Hemet/San Jacinto WRF	Eastern MWD							0%			Percolation Ponds						%	%	TVRI-SARI
Inland Empire	Henry N. Wocholz WWTP	Yucaipa Valley WD	880 W. County Line Rd Yucaipa, CA 92329	1986	100%				100%	480		San Timoteo Creek	100%							Proposed Yucaipa-SARI
Inland Empire	Horsethief Canyon	EVMWD							0%											
Inland Empire	IEUA Regional Plant #1	Inland Empire Utilities Agency	2450 E. Philadelphia Ave Ontario, CA 91761	1948	99%	1%			100%	46	99% Domestic includes 5% Commercial	Santa Ana River	61%						39%	CSDLAC
Inland Empire	IEUA Regional Plant #4	Inland Empire Utilities Agency	12811 Sixth St Rancho Cucamonga, CA 91729	1997	99%	1%			100%	409	99% Domestic includes 5% Commercial	Santa Ana River	82%						18%	
Inland Empire	IEUA Regional Plant #5	Inland Empire Utilities Agency	6063 Kimball Ave Chino, CA 91710	2000	99%	1%			100%	459	99% Domestic includes 5% Commercial	Santa Ana River	91%						9%	SARI
Inland Empire	Lake Elsinore Regional WWRP	Elsinore Valley MWD							0%	800		San Jacinto- Temescal Wash- Lake Elsinore	%						%	TVRI-SARI
Inland Empire	Lee Lake Water District	Lee Lake Water District							0%				%						%	
Inland Empire	Moreno Valley WRF	Eastern MWD							0%			Percolation Ponds	%						%	TVRI-SARI
Inland Empire	Perris Valley WRP	Eastern MWD							0%			Percolation Ponds	%						%	TVRI-SARI

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information					Sewage Source Information						Discharge Information								
Region	Treatment Facility Name	Operating Agency	Address/ Location	Year Originally Constructed or Planned	(Put in % of Avg. Daily Flow)					Avg. Influent TDS (mg/l)	Comments	Discharge Location (List All)	Discharge/Reuse Flows (Put in % Discharged/Reused Based on Avg. Flow)						Nearest Brine Disposal (Whether connected or used or not)
					Domestic	Industrial	GW Desalters/ Environ. Cleanups	Other	Total (Must total 100%)				Stream	Ocean	Brine/line	Percolation	Downstream WWTP	Reuse (GW, Irrigation, etc)	
Inland Empire	Railroad Canyon WWRF	Elsinore Valley MWD						0%	800		All Recycled Water Produced is Served to a Golf Course	%			%				TVRI-SARI
Inland Empire	Redlands WWTP	City of Redlands						0%	420		Santa Ana River Discharge and Percolation Ponds	%			%				SARI
Inland Empire	Regional Wastewater Reclamation Plant	EVMWD						0%											
Inland Empire	Rialto WWTP	City of Rialto						0%			Discharge Flow to RIX WRP for Santa Ana River Discharge	100%							SARI
Inland Empire	Riverside Regional WQCP	City of Riverside	5950 Acorn St, Riverside, CA 92504	1942				0%	626		Santa Ana River	99%				1%			SARI
Inland Empire	RIX WRP	San Bernardino MWD	1990 W. Agua Mansa Rd. Colton, CA 92334	1996	92%	8%		100%	500		Santa Ana River	100%							SARI
Inland Empire	Running Springs	Running Springs WD						0%			Percolation Ponds				%	%			
Inland Empire	San Bernardino WRP	San Bernardino MWD	399 Chandler Pl. San Bernardino, CA 92408	1958	92%	8%		100%	566		Discharge Flow to RIX WRP for Santa Ana River Discharge					100%			SARI
Inland Empire	Santa Rosa WRF	Rancho California WD	26266 Washington Ave, Murrieta, CA 92589	1989	98%	2%		100%	780		Reclamation System, Percolation Beds	0%	0%	0%	1%	0%	99%		SARI
Inland Empire	Temecula Valley Regional WRF	Eastern MWD	42565 Avenida Al Varado, Temecula, CA 92590					0%			Reach 4 - Wasson Canyon & Sun City Ponds	%	68%			%			TVRI-SARI
Inland Empire	Western Riverside Co WWTP	Western Riverside County RWA	14634 River Rd Corona, CA 92880	1998	98%	2%		100%	716		Santa Ana River	96%					4%		SARI
Inland Empire	Western Water Recycling Facility	Western Municipal Water District	5903 Ave. A Riverside, CA 92518	1940's	50%	50%		100%			Full Reuse at Golf Course and Cemetery						100%		TVRI-SARI
Los Angeles	Burbank WRP	City of Burbank						0%			Los Angeles River	%				%			
Los Angeles	Donald C. Tillman WRP	City of Los Angeles Bureau of Sanitation	6100 Woodley Ave Van Nuys, CA	1985 (Planned RO 2019)	79%	17%		100%		Other = GWI	AVORS to Hyperion Wastewater Treatment Plant	14%				34%	52%		
Los Angeles	Groundwater Reliability Improvement Program (GRIP)	WRD/USGVMWD-Owners Los Angeles CSD - Operators																	
Los Angeles	Hyperion WWTP	City of Los Angeles Bureau of Sanitation	12000 Vista Del Mar Playa Del Rey, CA	1950	75%	17%		100%		Other = GWI	Hyperion Ocean Outfall		87%				13%		Outfall
Los Angeles	Joint WPCP	Los Angeles CSD	24501 South Figuerora St Carson, CA 90745	1928	83%	17%		100%		Influent TDS not currently measured	Joint Ocean Outfall		100%						Outfall
Los Angeles	La Canada WRP	Los Angeles CSD	533 Meadowview Drive La Cañada, CA 91011	1962	98%	2%		100%		Influent TDS not currently measured	Golf Course Irrigation						100%		
Los Angeles	Lake Hughes CWTF	Los Angeles County Department of Public Works	17201 Elizabeth Lake Road, Lake Hughes	1990	100%			100%			Spray irrigation - Lake Hughes							100%	
Los Angeles	Lancaster WRP	Los Angeles CSD	1865 West Avenue "D" Lancaster, CA	1953	99%	1%		100%	518	Average of 2 samples in 2008	Land Discharge							100%	
Los Angeles	Leo J. Vander Lans Treatment Facility	WRD (Owner) City of Long Beach (Operator)		2003 - Originally built Planned to expand in 2011				0%			Direct Injection to Seawater Barrier							100%	JOS Brine-Sewer Line

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information					Sewage Source Information						Discharge Information									
Region	Treatment Facility Name	Operating Agency	Address/ Location	Year Originally Constructed or Planned	(Put in % of Avg. Daily Flow)					Avg. Influent TDS (mg/l)	Comments	Discharge Location (List All)	Discharge/Reuse Flows (Put in % Discharged/Reused Based on Avg. Flow)						Nearest Brine Disposal (Whether connected or used or not)	
					Domestic	Industrial	GW Desalters/ Environ. Cleanups	Other	Total (Must total 100%)				Stream	Ocean	Brine/line	Percolation	Downstream WWTP	Reuse (GW, irrigation, etc)		Other (Specify)
Los Angeles	Long Beach WRP	Los Angeles CSD	7400 E. Willow Str Long Beach, CA	1973	95%	5%			100%		Influent TDS not currently measured	San Gabriel River/Ocean	63%					37%		
Los Angeles	Los Angeles/Glendale WRP	City of Los Angeles Bureau of Sanitation	4600 Colorado Blvd Los Angeles, CA	1976	78%	18%		4%	100%	786	Other = GWI	Los Angeles River	68%				11%	21%		
Los Angeles	Los Coyotes WRP	Los Angeles CSD	16515 Piuma Avenue Cerritos, CA	1970	90%	10%			100%		Influent TDS not currently measured	San Gabriel River	72%					28%		
Los Angeles	Malibu Mesa WRF	Los Angeles County Department of Public Works	3863 Malibu Country Drive, Malibu	1978	17%				100%		Institutional 83%	Spray irrigation Pepperdine University with emergency NPDES to Maria Canyon, Malibu.						100%		
Los Angeles	Malibu WPCP	Los Angeles County Department of Public Works	3620 Vista Pacifica St, Malibu	1964	100%				100%			Seepage pits - Winter Canyon, Malibu					100%			
Los Angeles	Newhall Ranch WRP	Newhall Ranch Sanitation District	Hwy 126 at Los Ange4les/ Ventura County Line Newhall, CA 91355	not yet built; originally planned for 2009, but postponed until about 2015	100%				100%		Projected	Santa Clara River								
Los Angeles	Palmdale WRP	Los Angeles CSD	39300 30th Street East, Palmdale, CA	1952	99%	1%			100%	568	Average of 2 samples in 2008	Land Discharge						100%		
Los Angeles	Pomona WRP	Los Angeles CSD	295 Humane Way Pomona, CA	1954	97%	3%			100%		Influent TDS not currently measured	San Jose Creek	14%					86%		
Los Angeles	San Jose Creek WRP	Los Angeles CSD	1965 Workman Mill Road Whittier, CA 90601	1971	89%	11%			100%		Influent TDS not currently measured	San Gabriel River	54%					46%		
Los Angeles	Saugus WRP	Los Angeles CSD	26200 Springbrook Ave Santa Clarita, CA 91350	1962	60%	40%			100%		Influent TDS not currently measured	Santa Clara River	100%							
Los Angeles	Terminal Island WWTP	City of Los Angeles Bureau of Sanitation	445 Ferry Street Los Angeles, CA	1935 (RO 2006)	68%	24%		9%	100%		Other = GWI	Long Beach Harbor Outfall		92%				8%		Outfall
Los Angeles	Trancas WPCP	Los Angeles County Department of Public Works	6338 Pasea Canyon Drive, Malibu	1963	100%				100%			Leach fields - Trancas Canyon, Malibu.					100%			
Los Angeles	Valencia WRP	Los Angeles CSD	28185 The Old Rd Santa Clarita, CA 91355	1966	98%	2%			100%		Influent TDS not currently measured	Santa Clara River	97%					3%		
Los Angeles	West Basin-Carson Regional WRP-Nitrification	West Basin MWD		1999					0%			Joint WPCP		%				%	%	Sewer
Los Angeles	West Basin-Carson Regional WRP-RO	West Basin MWD		1999					0%			Joint WPCP		%				%	%	Sewer
Los Angeles	West Basin WRP-Barrier Treat	West Basin MWD							0%			Direct Injection to Seawater Barrier						%		

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information					Sewage Source Information					Discharge Information											
Region	Treatment Facility Name	Operating Agency	Address/ Location	Year Originally Constructed or Planned	(Put in % of Avg. Daily Flow)					Avg. Influent TDS (mg/l)	Comments	Discharge Location (List All)	Discharge/Reuse Flows (Put in % Discharged/Reused Based on Avg. Flow)						Nearest Brine Disposal (Whether connected or used or not)		
					Domestic	Industrial	GW Desalters/ Environ. Cleanups	Other	Total (Must total 100%)				Stream	Ocean	Brine/line	Percolation	Downstream WWTP	Reuse (GW, Irrigation, etc)		Other (Specify)	
Los Angeles	West Basin WRP-Chevron Plant-Nitrification	West Basin MWD							0%												
Los Angeles	West Basin WRP-Chevron Plant-RO	West Basin MWD							0%			Only RO Concentrate to Hyperion Outfall									
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification	West Basin MWD																			
Los Angeles	West Basin WRP-Exxon Mobil-RO	West Basin MWD																			
Los Angeles	West Basin WRP-Edward C. Little WRF	West Basin MWD							0%			Hyperion Outfall									
Los Angeles	Whittier Narrows WRP	Los Angeles CSD	301 N. Rosemead Blvd El Monte, CA	1962	84%	16%			100%		Influent TDS not currently measured	Rio Hondo							100%		
North Orange County	Green Acres Project	Orange County WD		1991	100%				100%	8.99	From OCSD	Irrigation and Industrial Water Reuse							95%	5% Industrial (carpet-dying)	OCSD Plant #1
North Orange County	Groundwater Replenishment System	Orange County WD		Planned since 1994, constructed since 2003, approved 2008	90%	10%			100%	10.44	From treated sewer water	Reuse RO Brine/Concentrate only to Ocean (OCSD Ocean Outfall)		1%		49%			50%		OCSD Outfall
North Orange County	Michelson WRP	Irvine Ranch WD							0%	747		Reuse									
North Orange County	OCSD Plant #1	Orange County SD	10844 Ellis Avenue Fountain Valley, CA 92708	1924	82%	18%			100%	950		OCSD Ocean Outfall and Transfer of Flows to GWRS and GAP		5%					95%		Outfall
North Orange County	OCSD Plant #2	Orange County SD	22212 Brookhurst Street Huntington Beach, CA 92646	1959	82%	18%			100%	3000		OCSD Ocean Outfall		100%							Outfall
South Orange County	3A Plant	South Orange County Wastewater Authority	26801 Camino Capistrano Laguna Niguel, CA 92677	1964	99%	1%	1%		100%	986		San Juan Creek Ocean Outfall		58%					42%		San Juan Creek Ocean Outfall
South Orange County	Chiquita WRP	Santa Margarita WD	28793 Ortega Highway San Juan Capistrano, CA 92675	1986	99%	1%	1%		100%	834		San Juan Creek Ocean Outfall		57%					43%		San Juan Creek Ocean Outfall
South Orange County	Coastal Treatment Plant	South Orange County Wastewater Authority	28303 Alicia Pkwy Laguna Niguel, CA 92677		99%	1%	1%		100%	1050		Aliso Creek Ocean Outfall		74%					26%		Aliso Creek Outfall
South Orange County	El Toro WWTP	El Toro Water District	23542 Moulton Pkwy Laguna Hills, CA		99%	1%	1%		100%	693		Aliso Creek Ocean Outfall		91%					9%		Aliso Creek Outfall
South Orange County	Jay B Latham WWTP	South Orange County Wastewater Authority	34156 Del Obispo Dana Point CA 92629	1962	99%	1%	1%		100%	1050		San Juan Creek Ocean Outfall		100%					0%		Outfall
South Orange County	Los Alisos WRP	Irvine Ranch WD			99%	1%	1%		100%	633		Aliso Creek Ocean Outfall		%					%	%	Aliso Creek Outfall
South Orange County	Nichols Water Reclamation Plant	Santa Margarita WD	33608 Ortega Highway San Juan Capistrano, CA 92675	1990	100%				100%	920		Land Discharge (Irrigation)							100%		

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information					Sewage Source Information						Discharge Information									
Region	Treatment Facility Name	Operating Agency	Address/ Location	Year Originally Constructed or Planned	(Put in % of Avg. Daily Flow)					Avg. Influent TDS (mg/l)	Comments	Discharge Location (List All)	Discharge/Reuse Flows (Put in % Discharged/Reused Based on Avg. Flow)						Nearest Brine Disposal (Whether connected or used or not)	
					Domestic	Industrial	GW Desalters/ Environ. Cleanups	Other	Total (Must total 100%)				Stream	Ocean	Brine line	Percolation	Downstream WWTP	Reuse (GW, Irrigation, etc)		Other (Specify)
South Orange County	Oso Creek WRP	Santa Margarita WD	27204 East La Paz Rd Mission Viejo, CA 92691	1977	99%	1%	1%		100%	828		Irrigation/San Juan Creek Ocean Outfall						100%		San Juan Creek Ocean Outfall
South Orange County	Regional Treatment Plant	South Orange County Wastewater Authority	29201 La Paz Rd Laguna Niguel, CA 92677	1982	99%	1%	1%		100%	850		Aliso Creek Ocean Outfall		37%				63%		Aliso Creek Outfall
South Orange County	Robinson Ranch WRP	Trabuco Canyon WD	21397 Heritage Rd Trabuco Canyon, Ca 92678	1985	99%	1%	1%		100%	913		Land Discharge (Irrigation)						100%		Chiguita Plant - San Juan Ocean Outfall
South Orange County	San Clemente WRP	City of San Clemente	380 Avenida Pico Bldg N San Clemente, CA 92672						0%			San Juan Creek Ocean Outfall		%				%	%	SOCWA
San Diego	4-S Ranch WTP	Olivenhain MWD	16595 Dove Canyon Rd San Diego, CA 92127						0%			San Elijo						%	%	Sewer
San Diego	Camp Pendleton WWTP #01	U.S. Marine Corps							0%			Effluent to Camp Pendleton WWTP #02								Effluent sent to CP #02
San Diego	Camp Pendleton WWTP #02	U.S. Marine Corps	Building#17831, Camp Pendleton, CA 92055-5008						0%			Uses Camp Pendleton WWTP # 3 for Brine Disposal						100%		
San Diego	Camp Pendleton WWTP #03	U.S. Marine Corps							0%			Percolation for Seawater Barrier						%		
San Diego	Camp Pendleton WWTP #09	U.S. Marine Corps	Bldg#43831, Camp Pendleton, CA 92055-5008						0%			Percolation for Seawater Barrier						%		
San Diego	Camp Pendleton WWTP #11	U.S. Marine Corps							0%			Percolation for Seawater Barrier						%		
San Diego	Camp Pendleton WWTP #12	U.S. Marine Corps	Bldg#62831, Camp Pendleton, CA 92055-5008						0%									%		
San Diego	Camp Pendleton WWTP #13	U.S. Marine Corps							0%									%		
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant	U.S. Marine Corps	Near WWTP #11						0%									%		
San Diego	Camp Pendleton-Southern Tertiary Treatment Plant	U.S. Marine Corps	Near WWTP #13						0%			New outfall in wave or splash zone off jetty in Camp Pendleton		100%						
San Diego	Carlsbad WRP	Encina Joint Powers Authority	Avenida Encinas Carlsbad, CA 92009						0%			Uses Encina Outfall as Necessary	%	%				%	%	Outfall
San Diego	Chula Vista MBR Treatment Plant	City of Chula Vista/ Otay WD	Chula Vista, CA	2012 (Phase I) 2025 (Phase II)					0%			San Diego County Regional Brine line to South Bay Ocean Outfall			%			%		Outfall
San Diego	Encina WPCF	Encina Joint Powers Authority	I-5 freeway Right of Wy, Carlsbad, Ca92009						0%			Uses Encina Outfall as Necessary		%				%	%	Outfall
San Diego	Fairbanks Ranch WPCF	Fairbanks Ranch Community Services District	16556 Circa Del Norte, Rancho Santa Fe., CA 92067						0%			Percolation Ponds						%		
San Diego	Fallbrook Plant #1	Fallbrook PUD							0%			Oceanside Ocean Outfall		100%						Outfall
San Diego	Gafner WRF	Leucadia CWD							0%	1050		Encina Ocean Outfall		%				%	%	Outfall
San Diego	Hale Avenue WRF	City of Escondido		1973	99%	1%			100%	950		San Elijo Ocean Outfall		77%				23%		Outfall

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information					Sewage Source Information						Discharge Information											
Region	Treatment Facility Name	Operating Agency	Address/ Location	Year Originally Constructed or Planned	(Put in % of Avg. Daily Flow)					Avg. Influent TDS (mg/l)	Comments	Discharge Location (List All)	Discharge/Reuse Flows (Put in % Discharged/Reused Based on Avg. Flow)						Nearest Brine Disposal (Whether connected or used or not)			
					Domestic	Industrial	GW Desalters/ Environ. Cleanups	Other	Total (Must total 100%)				Stream	Ocean	Brine line	Percolation	Downstream WWTP	Reuse (GW, Irrigation, etc)		Other (Specify)		
San Diego	La Salina WWTP	City of Oceanside			90%	10%			100%	1236		Oceanside Ocean Outfall		96%					4%			Outfall
San Diego	Lower Moosa Canyon WRF	Valley Center MWD							0%			Percolation Ponds							%		%	New Line
San Diego	Meadowlark WRP	Vallecitos WD	7941 Cornita St, Carlsbad, CA 9200*9						0%			Land Discharge								%		Sewer
San Diego	North City WRP	City of San Diego	4949 East Gate Mall, San Diego, CA 92121	1997					0%	1100		Point Loma							79%	20%	1%	Sewer
San Diego	Padre Dam WRF	Padre Dam MWD	9300 Fanita Parkway	Early 1960's	75%	25%			100%	900		Padre Dam WRF and Point Loma WWTP	10%						60%	30%		Sewer
San Diego	Point Loma WWTP	City of San Diego		1962					0%			Point Loma Ocean Outfall		100%							%	Outfall
San Diego	Ralph W Chapman WRF	Otay WD	11901 Singer Lane, Spring Valley, CA 91978-2096						0%			Point Loma								%	%	Sewer
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	Rancho Santa Fe Com. Service D	Calzda Del Basque, Rancho Santa Fe, CA 92067						0%			San Elijo							%	%		Sewer
San Diego	San Elijo WRF	San Elijo Joint Powers Authority	2695 Manchester Ave, Cardiff, CA 92007						0%			San Elijo Ocean Outfall		%					%	%		Outfall
San Diego	San Luis Rey WWTP	City of Oceanside			90%	10%			100%	992		Oceanside Ocean Outfall		96%						4%		Outfall
San Diego	San Vicente WWTP	Ramona MWD	San Vicente Rd Ramona, CA 92065						0%			Stream	%							%		
San Diego	Santa Maria WPCF	Ramona MWD							0%			Stream	%							%		
San Diego	Skyline Ranch WRF	Valley Center MWD							0%			Percolation Ponds							%	%		
San Diego	South Bay WRP	City of San Diego	Dairy Mart & Monument Rd,	2002					0%	975		Southbay Ocean Outfall		43%						57%		Outfall
San Diego	Valley Center WWTP	Valley Center MWD																				
San Diego	Whispering Palms WPCF	Whispering Palms Comm. Services D	15525 Via De Santa Fe Rancho Santa Fe, CA 92067						0%			Percolation Ponds							%	%		
Ventura	Ahmanson Ranch	Las Virgenes MWD							0%			Las Virgenes Creek	%							%	%	
Ventura	Camarillo WRP	Camarillo Sanitation District	150 E. Howard Road Camarillo CA 93012	1955	90%	8%	2%		100%	900		Conejo Creek	77%								23%	Calleguas Brine line

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information					Sewage Source Information						Discharge Information								
Region	Treatment Facility Name	Operating Agency	Address/ Location	Year Originally Constructed or Planned	(Put in % of Avg. Daily Flow)					Avg. Influent TDS (mg/l)	Comments	Discharge Location (List All)	Discharge/Reuse Flows (Put in % Discharged/Reused Based on Avg. Flow)						Nearest Brine Disposal (Whether connected or used or not)
					Domestic	Industrial	GW Desalters/ Environ. Cleanups	Other	Total (Must total 100%)				Stream	Ocean	Brine line	Percolation	Downstream WWTP	Reuse (GW, Irrigation, etc)	
Ventura	Camrosa WRF	Ventura Regional SD & Camrosa WD		1995	85%	15%			100%			Calleguas Creek					80%	20% Evaporation ponds	Calleguas Brine line
Ventura	Hill Canyon TP	City of Thousand Oaks							0%			Conejo Creek	%						
Ventura	Moorpark WWTP	County of Ventura Waterworks District No. 1							0%			Percolation Ponds at Moorpark WWTP site			%				Calleguas Brine line
Ventura	Oxnard WWTP	City of Oxnard	305 West Third Street, 3rd Floor, Oxnard CA 93030	2012	95%	5%			100%	1700	At initial phase (2012), the plant will produce 6.25 mgd purified water for reuse and generate approximately 1.1-1.5 mgd RO concentrate	Oxnard Ocean Outfall		15%			85%		Outfall
Ventura	Simi Valley WQCP	Simi Valley CSD			98%	2%			100%			Arroyo Simi, a Tributary of Calleguas Creek	99%				1%		Calleguas Brine line
Ventura	Tapia WRF	Las Virgenes MWD							0%			Mandated Zero Discharge for Part of Year. Discharges to Stream and other.	%				%		
Ventura	Ventura WWTP								0%										

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		NPDES or State Discharge Permit Information (Please attach permit)										
Region	Treatment Facility Name	Permit No.	TDS Limit (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen Limit (mg/l)	pH	Residual Chlorine Requirement (mg/l)	TMDL Permit Limits (explain)	Note any exceptions, multiple limit requirements, etc.	Comments (Note any other discharge limits such as toxicity, heavy metals, etc.)
Inland Empire	Banning WWRP											
Inland Empire	Beaumont WWTP #1											
Inland Empire	Big Bear Area RWA WWTF		550									
Inland Empire	Carbon Canyon WRF	R8-2004-0020	550		30/20	30/20	4.5	6.5-8.5	0.1			TR Chromium VI 16.3/8.2 µg/L; TR Selenium 8.2/4.1 µg/L Bis(2-ethylhexyl)phthalate 11.8/5.9 µg/L; Free Cyanide 8.5/4.3 µg/L
Inland Empire	Chino Institution For Men											
Inland Empire	Colton WWTP		400									
Inland Empire	Corona WWTP #1	CA8000383	700		20	20	4.5	6.5-8.5	0.1		See attached Permit	See attached Permit
Inland Empire	Corona WWTP #2	R8-2007-0052	840								See attached Permit	See attached Permit
Inland Empire	Corona WWTP #3	CA8000395	700		20	20	4.5	6.5-8.5	0.1		See attached Permit	See attached Permit
Inland Empire	EVMWD-Alberhill											
Inland Empire	Grass Valley Wastewater Treatment Facility	R6V-2002-0008 (WDID# 6B360107001) (Revised WDR/NPDES Permit expected in 2009)			20		8 (total nitrogen as N)	6 - 9				
Inland Empire	Hemet/San Jacinto WRF		650									
Inland Empire	Henry N. Wocholz WWTP	CA0105619	540		30	30	4.5	6.5-8.5	0.1		TDS: 540 12-M avg, 320 monthly discharge. BOD & TSS: 20 avg monthly. 30 avg weekly	TIN- 6 12-M avg, 4.1 avg monthly, free cyanide 4.3 avg monthly, 8.5 daily max. Bis (2-ethylhexyl) phthalate:5.9 avg monthly, 11.8 daily max. Coliform: 2.2 median on last 7 days
Inland Empire	Horsethief Canyon											
Inland Empire	IEUA Regional Plant #1	R8-2006-0010	550		30/20	30/20	4.5	6.5-8.5	0.1			TR Selenium 8.2/4.1 µg/L Bis(2-ethylhexyl)phthalate 11.8/5.9 µg/L; Free Cyanide 8.5/4.2 µg/L
Inland Empire	IEUA Regional Plant #4	R8-2006-0010	550		30/20	30/20	4.5	6.5-8.5	0.1			TR Selenium 8.2/4.1 µg/L Bis(2-ethylhexyl)phthalate 11.8/5.9 µg/L; Free Cyanide 8.5/4.2 µg/L
Inland Empire	IEUA Regional Plant #5	R8-2008-0028	550		30/20	30/20	4.5	6.5-8.5	0.1			Free Cyanide 7.3/4.6 µg/L
Inland Empire	Lake Elsinore Regional WWRP		700									
Inland Empire	Lee Lake Water District											
Inland Empire	Moreno Valley WRF		650									
Inland Empire	Perris Valley WRP		650									

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		NPDES or State Discharge Permit Information (Please attach permit)										
Region	Treatment Facility Name	Permit No.	TDS Limit (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen Limit (mg/l)	pH	Residual Chlorine Requirement (mg/l)	TMDL Permit Limits (explain)	Note any exceptions, multiple limit requirements, etc.	Comments (Note any other discharge limits such as toxicity, heavy metals, etc.)
Inland Empire	Railroad Canyon WWRF		700									
Inland Empire	Redlands WWTP											
Inland Empire	Regional Wastewater Reclamation Plant											
Inland Empire	Rialto WWTP		400									
Inland Empire	Riverside Regional WQCP	CA0105350	650		20	30	5.0	6.5-8.5	0.1			Free CN limit = 4.2 ug/L
Inland Empire	RIX WRP	R8-2006-0052	550		20 - M, 30 - W	20 - M, 30 - W	4.5	6.5 - 8.5	0.1			
Inland Empire	Running Springs											
Inland Empire	San Bernardino WRP	R8-2005-0074	690		30 - M, 45 - W	30 - M, 45 - W	10.0	6.5 - 8.5				
Inland Empire	Santa Rosa WRF	94-92	750	N/A	30	30	N/A	39973	N/A	N/A		
Inland Empire	Temecula Valley Regional WRF		650									EMWD
Inland Empire	Western Riverside Co WWTP	R8-2008-0005	625		20	20	5.0	6.5-8.5				Add'l limits for DP002 (not used). Some limits based on annual avg.
Inland Empire	Western Water Recycling Facility	R8-2003-0113	550		30	30		6.0-9.0				Metals, THMs, TIN limits in permit
Los Angeles	Burbank WRP		950									
Los Angeles	Donald C. Tillman WRP	NPDES NO. CA0056227	950		20	15	1.4	6.5-9.0	0.10	See website		Too many to list. Can be found at http://www2.san.ci.la.ca.us/permit/index.html
Los Angeles	Groundwater Reliability Improvement Program (GRIP)											
Los Angeles	Hyperion WWTP	NPDES NO. CA0109991			30	30			0.03			
Los Angeles	Joint WPCP	R4-2006-0042			30/45	30/45		6-9	0.33/0.3/0.23			
Los Angeles	La Canada WRP	N/A										
Los Angeles	Lake Hughes CWTF	N/A										
Los Angeles	Lancaster WRP	R6V-2002-053, R6V-2002-053A2			40/60; 10/15/30			6-9				
Los Angeles	Leo J. Vander Lans Treatment Facility											No quality restrictions with LACSD permit.

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		NPDES or State Discharge Permit Information (Please attach permit)										
Region	Treatment Facility Name	Permit No.	TDS Limit (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen Limit (mg/l)	pH	Residual Chlorine Requirement (mg/l)	TMDL Permit Limits (explain)	Note any exceptions, multiple limit requirements, etc.	Comments (Note any other discharge limits such as toxicity, heavy metals, etc.)
Los Angeles	Long Beach WRP	R4-2007-0047			20/30/45	15/40/45	4.2/1.8	6.5-8.5	0.10	Metals		
Los Angeles	Los Angeles/Glendale WRP	NPDES NO. CA0053953	950		20	15	2.2	6.5-8.5	0.10	See website		Too many to list. Can be found at http://www2.san.ci.la.ca.us/permit/index.html
Los Angeles	Los Coyotes WRP	R4-2007-0048			20/30/45	15/40/45	4.2/1.8	6.5-8.5	0.10			
Los Angeles	Malibu Mesa WRF	CA0059099										NPDES permit rarely used. Limits too complicated to include as single values here.
Los Angeles	Malibu WPCP	00-030	1000		30	30		6.5-8.5				
Los Angeles	Newhall Ranch WRP	R4-2007-0046	1000		20/30/45	15/40/45	3.87/1.93	6.5-8.5	0.10	Chloride; nitrogen compounds		
Los Angeles	Palmdale WRP	6-00-57, 6-00-57-A01, 6-00-57-A02, 6-00-57-A03, 6-00-57-A04	N/A		20/30/45			6-9				
Los Angeles	Pomona WRP	R4-2004-0099	750		20/30/45	15/40/45	Varies based on temperature and pH according to the Basin Plan	6.5-8.5	0.10			
Los Angeles	San Jose Creek WRP	R4-2007-0097	750		20/30/45	15/40/45	Varies based on temperature and pH according to the Basin Plan	6.5-8.5	0.10			
Los Angeles	Saugus WRP	R4-2005-0031	1000		20/30/45	15/40/45	5.2/1.75	6.5-8.5	0.10	Chloride; nitrogen compounds		
Los Angeles	Terminal Island WWTP	NPDES PERMIT NO. CA0053856			15	15	7.4	6.5-8.5	0.10	See website		Too many to list. Can be found at http://www2.san.ci.la.ca.us/permit/index.html
Los Angeles	Trancas WPCP	00-100	2000		30	30		6.5-8.5				
Los Angeles	Valencia WRP	R4-2005-032	1000		20/30/45	15/40/45	5.2/1.75	6.5-8.5	0.10	Chloride; nitrogen compounds		
Los Angeles	West Basin-Carson Regional WRP-Nitrification											
Los Angeles	West Basin-Carson Regional WRP-RO											
Los Angeles	West Basin WRP-Barrier Treat											

**Wastewater Treatment Plant
Permit and Quality Information**

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Region	Treatment Facility Name	Permit No.	TDS Limit (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen Limit (mg/l)	pH	Residual Chlorine Requirement (mg/l)	TMDL Permit Limits (explain)	Note any exceptions, multiple limit requirements, etc.	Comments (Note any other discharge limits such as toxicity, heavy metals, etc.)
Los Angeles	West Basin WRP-Chevron Plant-Nitrification											
Los Angeles	West Basin WRP-Chevron Plant-RO											
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification											
Los Angeles	West Basin WRP-Exxon Mobil-RO											
Los Angeles	West Basin WRP-Edward C. Little WRF											
Los Angeles	Whittier Narrows WRP	R4-2002-0142	750		20/30/45	15/40/45	Varies based on temperature and pH according to the Basin Plan	6.5-8.5	0.10			
North Orange County	Green Acres Project		1050									
North Orange County	Groundwater Replenishment System		1050									
North Orange County	Michelson WRP		720									
North Orange County	OCSD Plant #1	R8-2004-0067			100	55	40	6.0 - 9.0	0.36			
North Orange County	OCSD Plant #2	R8-2004-0067			100	55	40	6.0 - 9.0	0.36			
South Orange County	3A Plant	NPDES - CA0107417			30	30	242	6.0 - 9.0	0.81			
South Orange County	Chiquita WRP	NPDES - CA0107417			30	30	242	6.0 - 9.0	0.81			
South Orange County	Coastal Treatment Plant	NPDES - CA0107611										SOCWA-RECYCLED WATER USE
South Orange County	El Toro WWTP	NPDES - CA0107611			30	30	626	6.0 - 9.0	2.09			
South Orange County	Jay B Latham WWTP	NPDES - CA0107417			30	30	242	6.0 - 9.0	0.81			
South Orange County	Los Alisos WRP	NPDES - CA0107611			30	30	626	6.0 - 9.0	2.09			SOCWA-RECYCLED WATER USE
South Orange County	Nichols Water Reclamation Plant											SOCWA-RECYCLED WATER USE

**Wastewater Treatment Plant
Permit and Quality Information**

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Region	Treatment Facility Name	Permit No.	TDS Limit (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen Limit (mg/l)	pH	Residual Chlorine Requirement (mg/l)	TMDL Permit Limits (explain)	Note any exceptions, multiple limit requirements, etc.	Comments (Note any other discharge limits such as toxicity, heavy metals, etc.)
South Orange County	Oso Creek WRP	Plant not covered under any NPDES Permit										SOCWA-RECYCLED WATER USE
South Orange County	Regional Treatment Plant	NPDES - CA0107611			30	30	626	6.0 - 9.0	2.09			SOCWA-RECYCLED WATER USE
South Orange County	Robinson Ranch WRP											SOCWA-RECYCLED WATER USE
South Orange County	San Clemente WRP	NPDES - CA0107417										City of San Clemente
San Diego	4-S Ranch WTP		1200									
San Diego	Camp Pendleton WWTP #01		750									USMC BASE, CAMP PENDLETON
San Diego	Camp Pendleton WWTP #02		750									USMC BASE, CAMP PENDLETON
San Diego	Camp Pendleton WWTP #03		750									USMC BASE, CAMP PENDLETON
San Diego	Camp Pendleton WWTP #09		1200									USMC BASE, CAMP PENDLETON
San Diego	Camp Pendleton WWTP #11		1100									USMC BASE, CAMP PENDLETON
San Diego	Camp Pendleton WWTP #12		1100									USMC BASE, CAMP PENDLETON
San Diego	Camp Pendleton WWTP #13		750									
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant											
San Diego	Camp Pendleton-Southern Tertiary Treatment Plant											
San Diego	Carlsbad WRP											
San Diego	Chula Vista MBR Treatment Plant											
San Diego	Encina WPCF											ENCINA WASTEWATER AUTHORITY
San Diego	Fairbanks Ranch WPCF		1300									FAIRBANKS RANCH COMM SERV DIST
San Diego	Fallbrook Plant #1		450									CALTRANS DISTRICT 11
San Diego	Gafner WRF		400									
San Diego	Hale Avenue WRF	CA0107981	1000		25	30	570	6 - 9	2			CITY OF ESCONDIDO

**Wastewater Treatment Plant
Permit and Quality Information**

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Region	Treatment Facility Name	Permit No.	TDS Limit (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen Limit (mg/l)	pH	Residual Chlorine Requirement (mg/l)	TMDL Permit Limits (explain)	Note any exceptions, multiple limit requirements, etc.	Comments (Note any other discharge limits such as toxicity, heavy metals, etc.)
San Diego	La Salina WWTP	R9-2005-0136				30	210	6 - 9	0.7			Tuc = 88 Tua = 2.91 CBOD = 25 mg/L Phenolics Non Chlor = 11mg/L Phenolics Chlor = 0.35 mg/L Oil and Grease = 25 mg/L Settleable solids = 1ml/L Endosulfan = 0.0016 mg/L HCH = 0.0007 mg/L TBT = 0.00012 mg/L
San Diego	Lower Moosa Canyon WRF		1000									
San Diego	Meadowlark WRP		1500									VALLECITOS WATER DISTRICT
San Diego	North City WRP											SAN DIEGO, CITY OF, MWWD
San Diego	Padre Dam WRF	CA0107492	1000		15 mg/l, 30 Day Ave	15 mg/l, 30 Day Ave	Total N limited to 6088 lb/year	6.5 to 8.5	2			PADRE DAM MWD
San Diego	Point Loma WWTP											
San Diego	Ralph W Chapman WRF		400									Otay Water District
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF		1500									RANCHO SANTA FE COMM SERV DIST
San Diego	San Elijo WRF		1200									SAN ELIJO JOINT POWERS AUTH
San Diego	San Luis Rey WWTP	R9-2005-0136				30	210	6 - 9	0.7			Tuc = 88 Tua = 2.91 CBOD = 25 mg/L Phenolics Non Chlor = 11mg/L Phenolics Chlor = 0.35 mg/L Oil and Grease = 25 mg/L Settleable solids = 1ml/L Endosulfan = 0.0016 mg/L HCH = 0.0007 mg/L TBT = 0.00012 mg/L
San Diego	San Vicente WWTP											RAMONA MWD
San Diego	Santa Maria WPCF		800									
San Diego	Skyline Ranch WRF		1100									
San Diego	South Bay WRP		1200									SAN DIEGO, CITY OF, MWWD
San Diego	Valley Center WWTP											
San Diego	Whispering Palms WPCF		1100									WHISPERING PALMS COMM SERV DIS
Ventura	Ahmanson Ranch											
Ventura	Camarillo WRP	R4-2003-0079	850		20	40	10	6.5 - 8.5	0.1	chloride - 150 mg/L (Calleguas Creek has approved TMDLs for: OC/PCBs, Metals, salts, Nutrients, Sediment, Trash and Toxicity; pending Bacteria.	Only TMDL in permit is 2002 Chloride. Look at RWQCB website for specific TMDL limitations. Permit expired for all Calleguas POTWs in mid to late 2008.	

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		NPDES or State Discharge Permit Information (Please attach permit)										
Region	Treatment Facility Name	Permit No.	TDS Limit (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen Limit (mg/l)	pH	Residual Chlorine Requirement (mg/l)	TMDL Permit Limits (explain)	Note any exceptions, multiple limit requirements, etc.	Comments (Note any other discharge limits such as toxicity, heavy metals, etc.)
Ventura	Camrosa WRF		850									
Ventura	Hill Canyon TP		850									
Ventura	Moorpark WWTP		850									
Ventura	Oxnard WWTP				30	30						
Ventura	Simi Valley WQCP	CA0055221	850		20	15	2	6 - 9	<0.1	Total Maximum Daily Loads	Daily averages & maximum ug/l, mg/l, lbs. Monthly averages ug/l, mg/l, lbs.	
Ventura	Tapia WRF											
Ventura	Ventura WWTP											

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Reuse Permit Information (Please attach permit)				Current Effluent Quality (Average Values)										
Region	Treatment Facility Name	Permit No.	Type of Reuse Permitted	TDS Limit (mg/l)	Comments (Note any other potential reuse limits, especially those that could cause the need for Advanced (RO) treatment in the future)	TDS (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Residual Chlorine Concentration (mg/l)	Source of Data (List All)	Note any other water quality parameters that may be pertinent to discharge limits or could result in the need for Advanced Treatment (RO)	Comments (Note any concerns regarding compounds of emerging concern (CECs) (including EDCs, disinfection byproducts, PhACs, etc.) and provide any recent data)
Inland Empire	Banning WWRP					450										
Inland Empire	Beaumont WWTP #1					540										
Inland Empire	Big Bear Area RWA WWTF					475										
Inland Empire	Carbon Canyon WRF					524	174	<2	<1	<0.1	TIN: 6.5	7.10	0.00			
Inland Empire	Chino Institution For Men					564										
Inland Empire	Colton WWTP					430										
Inland Empire	Corona WWTP #1		Irrigation and Industrial	770		710	70	3.83	1.10	0.10	4.61	7.30		Laboratory Analysis		
Inland Empire	Corona WWTP #2					680	230	6.85	7.40	0.73	14.40	7.45		Laboratory Analysis		
Inland Empire	Corona WWTP #3		Irrigation and Industrial	770		610	280	3.00	0.00	3.35	15.90	7.30		Laboratory Analysis		
Inland Empire	EVMWD-Alberhill															
Inland Empire	Grass Valley Wastewater Treatment Facility	R6V-2007-0022	Landscape Irrigation	300		366		15.00	16.00	0.40	4.00			2008 Annual Ops report		
Inland Empire	Hemet/San Jacinto WRF					563										
Inland Empire	Henry N. Wocholz WWTP					440	150	2.67	<2	<0.2	5.00	6.5 - 8.5	<0.1	Riverside Lab and Test America	COD 14.5	
Inland Empire	Horsethief Canyon					700										
Inland Empire	IEUA Regional Plant #1					501	152	<2	<1	<0.1	TIN: 6.8	7.10	0.00			
Inland Empire	IEUA Regional Plant #4					496	151	<2	<1	<0.1	TIN: 6.7	7.20	0.00			
Inland Empire	IEUA Regional Plant #5					506	178	<2	2.00	<0.1	TIN: 6.5	7.20	0.00			
Inland Empire	Lake Elsinore Regional WWRP					800										
Inland Empire	Lee Lake Water District					580										
Inland Empire	Moreno Valley WRF					481										
Inland Empire	Perris Valley WRP					712										

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Reuse Permit Information (Please attach permit)				Current Effluent Quality (Average Values)										
Region	Treatment Facility Name	Permit No.	Type of Reuse Permitted	TDS Limit (mg/l)	Comments (Note any other potential reuse limits, especially those that could cause the need for Advanced (RO) treatment in the future)	TDS (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Residual Chlorine Concentration (mg/l)	Source of Data (List All)	Note any other water quality parameters that may be pertinent to discharge limits or could result in the need for Advanced Treatment (RO)	Comments (Note any concerns regarding compounds of emerging concern (CECs) (including EDCs, disinfection byproducts, PhACs, etc.) and provide any recent data)
Inland Empire	Railroad Canyon WWRF					800										
Inland Empire	Redlands WWTP					410										
Inland Empire	Regional Wastewater Reclamation Plant					700										
Inland Empire	Rialto WWTP					400										
Inland Empire	Riverside Regional WQCP					629	230	3.00	<2	<2	7.60	6.88 - 7.03	<0.1			
Inland Empire	RIX WRP					489	212	<5	<5	0.39	7.30	7.50				
Inland Empire	Running Springs					520										
Inland Empire	San Bernardino WRP					509		6.05	<5			7.40	6.45			
Inland Empire	Santa Rosa WRF	94-92	Landscape	750		765	N/A	<5	<5	ND	7.75	7.10	5.00	Monthly Reports		
Inland Empire	Temecula Valley Regional WRF	00-165	Irrigation			713										
Inland Empire	Western Riverside Co WWTP	R8-2008-0005	Irrigation	770		580	184	<3	4.60	<0.1	3.00	7.40		Facility		
Inland Empire	Western Water Recycling Facility	R8-2003-0113	Irrigation	550		550		<10	<10		9.00	7.00		Facility		
Los Angeles	Burbank WRP					550										
Los Angeles	Donald C. Tillman WRP		landscape irrigation industrial			594		20.00	15.00	1.30		7.20	<0.1	http://www2.san.ci.la.ca.us/permit/index.html		
Los Angeles	Groundwater Reliability Improvement Program (GRIP)															
Los Angeles	Hyperion WWTP					896		18.00	19.00	35.00		6.80	<0.028	http://www2.san.ci.la.ca.us/permit/index.html		
Los Angeles	Joint WPCP	N/A				1349	253	6.00	15.00	34.30	36.70	7.20	<0.1	2007 Annual Report		
Los Angeles	La Canada WRP	00-099	landscape irrigation	1150		547		4.00	3.00	0.09	<27.9	6.90	7	2007 Annual Report		
Los Angeles	Lake Hughes CWTF	95-045	Spray irrigation.	800	Possibly chloride	663		5.58	5.80	1.96	4.14	7.66				
Los Angeles	Lancaster WRP	R6V-2006-0009	dust control, soil compaction, and landscape irrigation			PP - 739 NR - Not Sampled AVTTP - 862 MBR - 607	PP - 131 NR - Not Sampled AVTTP - Not Sampled MBR - Not Sampled	PP - 19 NR - 32 AVTTP - <5 MBR - 4	PP - 134 NR - 70 AVTTP - <3 MBR - 8	PP - 12.5 NR - 28.6 AVTTP - <3.3 MBR - <0.1	PP - 33 NR - 43 AVTTP - <6.6 MBR - <3.8	PP - 7.8 NR - 7.6 AVTTP - 6.5 MBR - 7.8	PP - Not Chlorinated NR - Not Chlorinated AVTTP - >17.3 MBR - >18.1	2007 Annual Report		
Los Angeles	Leo J. Vander Lans Treatment Facility					60										

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Reuse Permit Information (Please attach permit)				Current Effluent Quality (Average Values)										
Region	Treatment Facility Name	Permit No.	Type of Reuse Permitted	TDS Limit (mg/l)	Comments (Note any other potential reuse limits, especially those that could cause the need for Advanced (RO) treatment in the future)	TDS (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Residual Chlorine Concentration (mg/l)	Source of Data (List All)	Note any other water quality parameters that may be pertinent to discharge limits or could result in the need for Advanced Treatment (RO)	Comments (Note any concerns regarding compounds of emerging concern (CECs) (including EDCs, disinfection byproducts, PhACs, etc.) and provide any recent data)
Los Angeles	Long Beach WRP	87-47 and 97-072	landscape irrigation	1000		579	181	<3	<2	1.06	7.40	7.50	<0.05	2007 Annual Report		
Los Angeles	Los Angeles/Glendale WRP		landscape irrigation industrial			726		20.00	15.00	<8.4	17.30	7.40	<1	http://www2.san.ci.la.ca.us/permit/index.html		
Los Angeles	Los Coyotes WRP	87-51 and 97-072	landscape irrigation	1000		806	260	<4	<3	1.38	8.60	7.30	<0.05	2007 Annual Report		
Los Angeles	Malibu Mesa WRF	00-167	Spray irrigation.	1000		658		<5	8.40	4.40	19.90	7.00				
Los Angeles	Malibu WPCP					563		<5	3.70	1.80	21.10	7.30				
Los Angeles	Newhall Ranch WRP															
Los Angeles	Palmdale WRP	N/A				573		15.00	74.00	18.50	<33.1	8.20	22	2007 Annual Report		
Los Angeles	Pomona WRP	81-34 and 97-072	landscape irrigation	750		557	221	<3	<2	1.31	8.00	7.50	<0.05	2007 Annual Report		
Los Angeles	San Jose Creek WRP	87-50 and 97-072	landscape irrigation	800		578	211	<4	<3	1.23	7.60	7.10	<0.05	2007 Annual Report		
Los Angeles	Saugus WRP	87-49 and 97-072	landscape irrigation	1000		604	220	<3	<2	0.93	7.30	7.40	<0.1	2007 Annual Report	Chlorides	
Los Angeles	Terminal Island WWTP					2820		2.00	1.00	0.50		7.30	<0.01	CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD REPORT 2005		
Los Angeles	Trancas WPCP					555		<5	2.80	0.30	4.70	7.30				
Los Angeles	Valencia WRP	87-48 and 97-072	landscape irrigation	1000		679	255	<4	<2.1	0.78	4.80	7.30	<0.1	2007 Annual Report	Chlorides	
Los Angeles	West Basin-Carson Regional WRP-Nitrification					150										
Los Angeles	West Basin-Carson Regional WRP-RO					150										
Los Angeles	West Basin WRP-Barrier Treat					644										

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Reuse Permit Information (Please attach permit)				Current Effluent Quality (Average Values)										
Region	Treatment Facility Name	Permit No.	Type of Reuse Permitted	TDS Limit (mg/l)	Comments (Note any other potential reuse limits, especially those that could cause the need for Advanced (RO) treatment in the future)	TDS (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Residual Chlorine Concentration (mg/l)	Source of Data (List All)	Note any other water quality parameters that may be pertinent to discharge limits or could result in the need for Advanced Treatment (RO)	Comments (Note any concerns regarding compounds of emerging concern (CECs) (including EDCs, disinfection byproducts, PhACs, etc.) and provide any recent data)
Los Angeles	West Basin WRP-Chevron Plant-Nitrification					644										
Los Angeles	West Basin WRP-Chevron Plant-RO					644										
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification															
Los Angeles	West Basin WRP-Exxon Mobil-RO															
Los Angeles	West Basin WRP-Edward C. Little WRF					644										
Los Angeles	Whittier Narrows WRP	88-107 and 97-072	landscape irrigation	600		555	196	<3	<3	1.05	9.30	7.40	<0.05	2007 Annual Report		
North Orange County	Green Acres Project					1050										
North Orange County	Groundwater Replenishment System					100										
North Orange County	Michelson WRP					1050										
North Orange County	OCSD Plant #1	Water to OCWD				950		39	31	33		7.8	0.05	OCSD TPODS	Final Effluent Values include P1, P2 and OCSD Brine	
North Orange County	OCSD Plant #2					3000		39	31	33		7.8	0.05	OCSD TPODS	Final Effluent Values include P1, P2 and OCSD Brine	
South Orange County	3A Plant	97-052	Irrigation	1100		986		3.0	1.2	22.0		7.4	12.9	SOCWA, Database		
South Orange County	Chiquita WRP	97-052	Irrigation	1100		880		6.7	2.7			7.6	11.6	SOCWA Database		
South Orange County	Coastal Treatment Plant	97-052	Irrigation	1200		1074		5.0	2.4			7.3	11.3	SOCWA Database	TDS, Mn	
South Orange County	El Toro WWTP	94-3 under Region 8 and 97-52 under Region 9	Irrigation	720		693		13.0	13.0			7.2		SOCWA Database		
South Orange County	Jay B Latham WWTP					1050									TDS, Fe, Mn	
South Orange County	Los Alisos WRP	94-3 under Region 8 and 97-52 under Region 9	Irrigation	1000		633		<3	2.2				8.3	SOCWA Database		
South Orange County	Nichols Water Reclamation Plant	97-052	Irrigation	1100		926		4.0	1.0			8.0	25.9	SOCWA Database	TDS, Fe	

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Reuse Permit Information (Please attach permit)				Current Effluent Quality (Average Values)										
Region	Treatment Facility Name	Permit No.	Type of Reuse Permitted	TDS Limit (mg/l)	Comments (Note any other potential reuse limits, especially those that could cause the need for Advanced (RO) treatment in the future)	TDS (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Residual Chlorine Concentration (mg/l)	Source of Data (List All)	Note any other water quality parameters that may be pertinent to discharge limits or could result in the need for Advanced Treatment (RO)	Comments (Note any concerns regarding compounds of emerging concern (CECs) (including EDCs, disinfection byproducts, PhACs, etc.) and provide any recent data)
South Orange County	Oso Creek WRP	97-052	Irrigation	1100		828		4.0	2.6			7.6	7.7	SOCWA Database	Fe	
South Orange County	Regional Treatment Plant	97-052	Irrigation	1100		848		3.0	3.0	14.0		6.8	11.0	SOCWA Database	TDS, Fe, Mn	
South Orange County	Robinson Ranch WRP	97-052	Irrigation	1100		913		2.0	3.1			7.6	10.4	SOCWA Database	TDS, Fe	
South Orange County	San Clemente WRP	2003-0123	Irrigation			999										
San Diego	4-S Ranch WTP	03-007	Irrigation			925										
San Diego	Camp Pendleton WWTP #01					1030										
San Diego	Camp Pendleton WWTP #02	00-045				960										
San Diego	Camp Pendleton WWTP #03					980										
San Diego	Camp Pendleton WWTP #09	98-004	Injection			890										
San Diego	Camp Pendleton WWTP #11					755										
San Diego	Camp Pendleton WWTP #12	98-005				600										
San Diego	Camp Pendleton WWTP #13					895										
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant															
San Diego	Camp Pendleton-Southern Tertiary Treatment Plant															
San Diego	Carlsbad WRP	01-352	Irrigation			1300								Robert Pierce with Water Boards		
San Diego	Chula Vista MBR Treatment Plant															
San Diego	Encina WPCF	91-078				1300										
San Diego	Fairbanks Ranch WPCF	93-005	Percolation			960										
San Diego	Fallbrook Plant #1	86-041				720										
San Diego	Gafner WRF					1300										
San Diego	Hale Avenue WRF	93-70	Irrigation	1000		1000		10	10	15		7	2			

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Reuse Permit Information (Please attach permit)				Current Effluent Quality (Average Values)										
Region	Treatment Facility Name	Permit No.	Type of Reuse Permitted	TDS Limit (mg/l)	Comments (Note any other potential reuse limits, especially those that could cause the need for Advanced (RO) treatment in the future)	TDS (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Residual Chlorine Concentration (mg/l)	Source of Data (List All)	Note any other water quality parameters that may be pertinent to discharge limits or could result in the need for Advanced Treatment (RO)	Comments (Note any concerns regarding compounds of emerging concern (CECs) (including EDCs, disinfection byproducts, PhACs, etc.) and provide any recent data)
San Diego	La Salina WWTP					1390		13	4	24		7.5		Lab Data 1Jan08-30Nov08		
San Diego	Lower Moosa Canyon WRF	93-70	Irrigation	1000		1000		10	10	15		7	2			
San Diego	Meadowlark WRP	2007-0018	Irrigation			1000										
San Diego	North City WRP	97-003	Irrigation			950										
San Diego	Padre Dam WRF	97-49	Irrigation	1000	Limit on BOD and TSS is 30 mg/L, 30 Day Average	860		30 mg/l, 30 Day Ave	30 mg/l, 30 Day Ave			6.9 to 9.0	>450 mg-min per Liter, Modal Contact Time >90 min	Permit 97-49, TDS taken from Sampling Data		
San Diego	Point Loma WWTP					1568	392	95	34	31		6.0 to 9.0				
San Diego	Ralph W Chapman WRF	2007-0038	Irrigation			850										
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	92-004				900										
San Diego	San Elijo WRF	00-010	Irrigation			1151										
San Diego	San Luis Rey WWTP	93-07	Percolation Irrigation	1200	Boron 0.5mg/L	998		35	6	32		7.4		Lab Data 1Jan08-29Dec08		
San Diego	San Vicente WWTP	93-003	Irrigation			612										
San Diego	Santa Maria WPCF					867										
San Diego	Skyline Ranch WRF					1000										
San Diego	South Bay WRP	00-203	Irrigation			955		21	9			6.0 to 9.0	0.03			
San Diego	Valley Center WWTP															
San Diego	Whispering Palms WPCF	94-080	Percolation			963										
Ventura	Ahmanson Ranch					800										
Ventura	Camarillo WRP	Non-NPDES File No.: 54-181 Order 87-132	Irrigation	850		800	384	2	1002	2	10	7	<0.1	2007 Annual Report	chloride - 211 mg/L, sulfate - 282 mg/L, TDS - 1002 mg/L	The salt levels in the effluent will be reduced once the Groundwater Desalter is put into operation at the end 2011.

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Reuse Permit Information (Please attach permit)				Current Effluent Quality (Average Values)										
Region	Treatment Facility Name	Permit No.	Type of Reuse Permitted	TDS Limit (mg/l)	Comments (Note any other potential reuse limits, especially those that could cause the need for Advanced (RO) treatment in the future)	TDS (mg/l)	Hardness Limit (mg/l)	BOD Limit (mg/l)	TSS Limit (mg/l)	Ammonia-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Residual Chlorine Concentration (mg/l)	Source of Data (List All)	Note any other water quality parameters that may be pertinent to discharge limits or could result in the need for Advanced Treatment (RO)	Comments (Note any concerns regarding compounds of emerging concern (CECs) (including EDCs, disinfection byproducts, PhACs, etc.) and provide any recent data)
Ventura	Camrosa WRF					825										
Ventura	Hill Canyon TP					630										
Ventura	Moorpark WWTP					680										
Ventura	Oxnard WWTP	R4-2008-0083	GWR, All purpose irrigation and industrial reuse	700	Daily Maximum Limit for Other Compounds: Oil and Grease: 15 mg/L, Chloride: 150 mg/L, Sulfate: 30 mg/L, Boron: 1mg/L, Total Nitrogen: 10 mg/L	1700		30	30	No discharge limit, Discharge contains 22-25 mg/L	No discharge limit, Discharge contains 25-29 mg/L	No discharge limit. pH is typically between 7.4-7.9	No discharge limit. Contains some residual quantities			
Ventura	Simi Valley WQCP	CA0055221	total treated effluent	850		689		20	15	2	11	7	<0.1	2007 Annual Report		
Ventura	Tapia WRF					800										
Ventura	Ventura WWTP															

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Tertiary Treatment Process Type (Place X)					Disinfection Process Type (Place X)					
Region	Treatment Facility Name	Cloth Media Dual Media - Sand Filtration	Fuzzy Filter	Dynasand	Membrane Filtration (MF or UF)	Comments (Note any variations, different technology utilized, or planned changes in future and year)	Free Chlorine	Chloramine	Free Chlorine/Chloramine Combination	UV	Ozonation	Comments (Note chemical and dosage used. Also, note any variations, different technology utilized, or planned changes in future and year.)
Inland Empire	Banning WWRP											
Inland Empire	Beaumont WWTP #1											
Inland Empire	Big Bear Area RWA WWTF											
Inland Empire	Carbon Canyon WRF					Continuous Backwash - Single media (Sand)	X					
Inland Empire	Chino Institution For Men											
Inland Empire	Colton WWTP											
Inland Empire	Corona WWTP #1			X			X		X		UV is backup	
Inland Empire	Corona WWTP #2											
Inland Empire	Corona WWTP #3				X		X					
Inland Empire	EVMWD-Alberhill											
Inland Empire	Grass Valley Wastewater Treatment Facility				X (MF)	on-line in 2010	X		X		UV in 2010	
Inland Empire	Hemet/San Jacinto WRF											
Inland Empire	Henry N. Wocholz WWTP				X				X			
Inland Empire	Horsethief Canyon											
Inland Empire	IEUA Regional Plant #1					Single Media - Anthracite	X					
Inland Empire	IEUA Regional Plant #4	X				Cloth Filters have been installed, but not in use. Dual Media (anthracite/ not sand)	X					
Inland Empire	IEUA Regional Plant #5			X			X					
Inland Empire	Lake Elsinore Regional WWRP											
Inland Empire	Lee Lake Water District											
Inland Empire	Moreno Valley WRF											
Inland Empire	Perris Valley WRP											

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Tertiary Treatment Process Type (Place X)					Disinfection Process Type (Place X)					
Region	Treatment Facility Name	Cloth Media Dual Media - Sand Filtration	Fuzzy Filter	Dynasand	Membrane Filtration (MF or UF)	Comments (Note any variations, different technology utilized, or planned changes in future and year)	Free Chlorine	Chloramine	Free Chlorine/Chloramine Combination	UV	Ozonation	Comments (Note chemical and dosage used. Also, note any variations, different technology utilized, or planned changes in future and year.)
Inland Empire	Railroad Canyon WWRF											
Inland Empire	Redlands WWTP											
Inland Empire	Regional Wastewater Reclamation Plant											
Inland Empire	Rialto WWTP											
Inland Empire	Riverside Regional WQCP	X					X					
Inland Empire	RIX WRP	X		X		Percolation and extraction			X			
Inland Empire	Running Springs											
Inland Empire	San Bernardino WRP											
Inland Empire	Santa Rosa WRF	X					X					
Inland Empire	Temecula Valley Regional WRF											
Inland Empire	Western Riverside Co WWTP			X					X			
Inland Empire	Western Water Recycling Facility					Future expansion - Cloth Filters	X					
Los Angeles	Burbank WRP											
Los Angeles	Donald C. Tillman WRP	X	X		X	MF/RO (proposed online 2019)						
Los Angeles	Groundwater Reliability Improvement Program (GRIP)											
Los Angeles	Hyperion WWTP	X										
Los Angeles	Joint WPCP						X					Sodium Hypochlorite - 10 mg/L
Los Angeles	La Canada WRP						X					Sodium Hypochlorite - 50.32 mg/L
Los Angeles	Lake Hughes CWTF					Secondary only		X				Calcium Hypochlorite Tablets
Los Angeles	Lancaster WRP				X	Modifications currently underway will add 26 MGD tertiary filters		X		X		UV is only used for research purposes Sodium Hypochlorite - 77.78 mg/L Ammonia - 0.93 SG - 19.5 % active
Los Angeles	Leo J. Vander Lans Treatment Facility											

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Tertiary Treatment Process Type (Place X)					Disinfection Process Type (Place X)					
Region	Treatment Facility Name	Cloth Media Dual Media - Sand Filtration	Fuzzy Filter	Dynasand	Membrane Filtration (MF or UF)	Comments (Note any variations, different technology utilized, or planned changes in future and year)	Free Chlorine	Chloramine	Free Chlorine/Chloramine Combination	UV	Ozonation	Comments (Note chemical and dosage used. Also, note any variations, different technology utilized, or planned changes in future and year.)
Los Angeles	Long Beach WRP							X			Sodium Hypochlorite - 19.51 mg/L Ammonia - 1.71 mg/L	
Los Angeles	Los Angeles/Glendale WRP											
Los Angeles	Los Coyotes WRP	X						X			Sodium Hypochlorite - 8.96 mg/L Ammonia - 1.73 mg/L	
Los Angeles	Malibu Mesa WRF			X					X			
Los Angeles	Malibu WPCP			X				X			Calcium Hypochlorite Tablets	
Los Angeles	Newhall Ranch WRP											
Los Angeles	Palmdale WRP					Modifications currently underway will add 22.4 MGD tertiary filters	X				Sodium Hypochlorite - 25.17 mg/L	
Los Angeles	Pomona WRP	X						X			Sodium Hypochlorite - 13.67 mg/L Ammonia - 1.78 mg/L	
Los Angeles	San Jose Creek WRP	X						X			Sodium Hypochlorite - 10.88 mg/L Ammonia - 1.74 mg/L	
Los Angeles	Saugus WRP	X						X			Sodium Hypochlorite - 11.54 mg/L Ammonia - 1.88 mg/L	
Los Angeles	Terminal Island WWTP				X	MF/RO						
Los Angeles	Trancas WPCP	X				Single media anthracite gravity filter		X			Sodium hypochlorite	
Los Angeles	Valencia WRP	X						X			Sodium Hypochlorite - 12.50 mg/L Ammonia - 1.44 mg/L	
Los Angeles	West Basin-Carson Regional WRP-Nitrification											
Los Angeles	West Basin-Carson Regional WRP-RO											
Los Angeles	West Basin WRP-Barrier Treat											

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Tertiary Treatment Process Type (Place X)					Disinfection Process Type (Place X)						
Region	Treatment Facility Name	Cloth Media	Dual Media - Sand Filtration	Fuzzy Filter	Dynasand	Membrane Filtration (MF or UF)	Comments (Note any variations, different technology utilized, or planned changes in future and year)	Free Chlorine	Chloramine	Free Chlorine/Chloramine Combination	UV	Ozonation	Comments (Note chemical and dosage used. Also, note any variations, different technology utilized, or planned changes in future and year.)
Los Angeles	West Basin WRP-Chevron Plant-Nitrification												
Los Angeles	West Basin WRP-Chevron Plant-RO												
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification												
Los Angeles	West Basin WRP-Exxon Mobil-RO												
Los Angeles	West Basin WRP-Edward C. Little WRF												
Los Angeles	Whittier Narrows WRP	X						X			X		UV is only used for research purposes Sodium Hypochlorite - 14.3 mg/L Ammonia - 1.55 mg/L
North Orange County	Green Acres Project												
North Orange County	Groundwater Replenishment System					X (RO/ MF)					X (UV/AOX)		
North Orange County	Michelson WRP												
North Orange County	OCSD Plant #1												Bleach on Primary Effluent and Secondary Effluent
North Orange County	OCSD Plant #2												Bleach on Primary Influent and Secondary Effluent Dechlor for both P1 and P2
South Orange County	3A Plant		X					X					12.5% NaOCl, Automatic dosage (compound loop)
South Orange County	Chiquita WRP	X						X					12.5% NaOCl, Automatic dosage (compound loop)
South Orange County	Coastal Treatment Plant		X					X					12.5% NaOCl, Automatic dosage (compound loop)
South Orange County	El Toro WWTP		X					X					12.5% NaOCl, Automatic dosage (compound loop)
South Orange County	Jay B Latham WWTP												
South Orange County	Los Alisos WRP		X					X					12.5% NaOCl, Automatic dosage (compound loop)
South Orange County	Nichols Water Reclamation Plant		X						X				12.5% NaOCl, Automatic dosage (compound loop)

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Tertiary Treatment Process Type (Place X)					Disinfection Process Type (Place X)						
Region	Treatment Facility Name	Cloth Media	Dual Media - Sand Filtration	Fuzzy Filter	Dynasand	Membrane Filtration (MF or UF)	Comments (Note any variations, different technology utilized, or planned changes in future and year)	Free Chlorine	Chloramine	Free Chlorine/Chloramine Combination	UV	Ozonation	Comments (Note chemical and dosage used. Also, note any variations, different technology utilized, or planned changes in future and year.)
South Orange County	Oso Creek WRP		X						X				12.5% NaOCl, Automatic dosage (compound loop)
South Orange County	Regional Treatment Plant		X						X				Chlorine Gas
South Orange County	Robinson Ranch WRP		X						X				12.5% NaOCl, Automatic dosage (compound loop)
South Orange County	San Clemente WRP												12.5% NaOCl, Automatic dosage (compound loop)
San Diego	4-S Ranch WTP												
San Diego	Camp Pendleton WWTP #01												
San Diego	Camp Pendleton WWTP #02												
San Diego	Camp Pendleton WWTP #03												
San Diego	Camp Pendleton WWTP #09												
San Diego	Camp Pendleton WWTP #11												
San Diego	Camp Pendleton WWTP #12												
San Diego	Camp Pendleton WWTP #13												
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant												
San Diego	Camp Pendleton-Southern Tertiary Treatment Plant												
San Diego	Carlsbad WRP												
San Diego	Chula Vista MBR Treatment Plant												
San Diego	Encina WPCF												
San Diego	Fairbanks Ranch WPCF												
San Diego	Fallbrook Plant #1												
San Diego	Gafner WRF												
San Diego	Hale Avenue WRF					X		X		X			

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Tertiary Treatment Process Type (Place X)					Disinfection Process Type (Place X)						
Region	Treatment Facility Name	Cloth Media	Dual Media - Sand Filtration	Fuzzy Filter	Dynasand	Membrane Filtration (MF or UF)	Comments (Note any variations, different technology utilized, or planned changes in future and year)	Free Chlorine	Chloramine	Free Chlorine/Chloramine Combination	UV	Ozonation	Comments (Note chemical and dosage used. Also, note any variations, different technology utilized, or planned changes in future and year.)
San Diego	La Salina WWTP												
San Diego	Lower Moosa Canyon WRF												
San Diego	Meadowlark WRP												
San Diego	North City WRP		X					X		X			
San Diego	Padre Dam WRF		X				Deep Bed Denitrification Filters	X					
San Diego	Point Loma WWTP						Only Advanced Primary						No Disinfection
San Diego	Ralph W Chapman WRF												
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF												
San Diego	San Elijo WRF												
San Diego	San Luis Rey WWTP												
San Diego	San Vicente WWTP												
San Diego	Santa Maria WPCF												
San Diego	Skyline Ranch WRF												
San Diego	South Bay WRP		X					X		X	X		
San Diego	Valley Center WWTP												
San Diego	Whispering Palms WPCF												
Ventura	Ahmanson Ranch												
Ventura	Camarillo WRP	X					cloth media was put in place early 2007.	X					

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Tertiary Treatment Process Type (Place X)					Disinfection Process Type (Place X)						
Region	Treatment Facility Name	Cloth Media	Dual Media - Sand Filtration	Fuzzy Filter	Dynasand	Membrane Filtration (MF or UF)	Comments (Note any variations, different technology utilized, or planned changes in future and year)	Free Chlorine	Chloramine	Free Chlorine/Chloramine Combination	UV	Ozonation	Comments (Note chemical and dosage used. Also, note any variations, different technology utilized, or planned changes in future and year.)
Ventura	Camrosa WRF				X						X		Hypochlorite. Planned UV upgrade as early as 2015
Ventura	Hill Canyon TP												
Ventura	Moorpark WWTP												
Ventura	Oxnard WWTP					X					X		
Ventura	Simi Valley WQCP		X						X				Aqueous Ammonia 19%
Ventura	Tapia WRF												
Ventura	Ventura WWTP												

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																		Brine-Concentrate Technologies		
Region	Treatment Facility Name	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	Note disposal method used, technology, energy usage, provide unit cost info (cost to build, cost to operate, energy costs, etc.) and planned year of technology change or addition.	
Inland Empire	Banning WWRP																					
Inland Empire	Beaumont WWTP #1																					
Inland Empire	Big Bear Area RWA WWTF																					
Inland Empire	Carbon Canyon WRF																					
Inland Empire	Chino Institution For Men																					
Inland Empire	Colton WWTP																					
Inland Empire	Corona WWTP #1																					
Inland Empire	Corona WWTP #2																					
Inland Empire	Corona WWTP #3																					
Inland Empire	EVMWD-Alberhill																					
Inland Empire	Grass Valley Wastewater Treatment Facility																					Refer to IWRP report for planned technologies
Inland Empire	Hemet/San Jacinto WRF																					
Inland Empire	Henry N. Wocholz WWTP																					
Inland Empire	Horsethief Canyon																					
Inland Empire	IEUA Regional Plant #1																					
Inland Empire	IEUA Regional Plant #4																					
Inland Empire	IEUA Regional Plant #5																					
Inland Empire	Lake Elsinore Regional WWRP																					
Inland Empire	Lee Lake Water District																					
Inland Empire	Moreno Valley WRF																					
Inland Empire	Perris Valley WRP																					

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																		Brine-Concentrate Technologies		
Region	Treatment Facility Name	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	Note disposal method used, technology, energy usage, provide unit cost info (cost to build, cost to operate, energy costs, etc.) and planned year of technology change or addition.	
Inland Empire	Railroad Canyon WWRF																					
Inland Empire	Redlands WWTP																					
Inland Empire	Regional Wastewater Reclamation Plant																					
Inland Empire	Rialto WWTP																					
Inland Empire	Riverside Regional WQCP																					
Inland Empire	RIX WRP																					
Inland Empire	Running Springs																					
Inland Empire	San Bernardino WRP																					
Inland Empire	Santa Rosa WRF																					
Inland Empire	Temecula Valley Regional WRF																					
Inland Empire	Western Riverside Co WWTP																					
Inland Empire	Western Water Recycling Facility																					
Los Angeles	Burbank WRP																					
Los Angeles	Donald C. Tillman WRP																					Future Brine to AVORS
Los Angeles	Groundwater Reliability Improvement Program (GRIP)																					
Los Angeles	Hyperion WWTP																					
Los Angeles	Joint WPCP																					
Los Angeles	La Canada WRP																					
Los Angeles	Lake Hughes CWTF																					
Los Angeles	Lancaster WRP																					
Los Angeles	Leo J. Vander Lans Treatment Facility	3000-4000																				

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																		Brine-Concentrate Technologies		
Region	Treatment Facility Name	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	Note disposal method used, technology, energy usage, provide unit cost info (cost to build, cost to operate, energy costs, etc.) and planned year of technology change or addition.	
Los Angeles	Long Beach WRP																					
Los Angeles	Los Angeles/Glendale WRP																					
Los Angeles	Los Coyotes WRP																					
Los Angeles	Malibu Mesa WRF																					
Los Angeles	Malibu WPCP																					
Los Angeles	Newhall Ranch WRP																					1 mgd RO facility scheduled to be built
Los Angeles	Palmdale WRP																					
Los Angeles	Pomona WRP																					
Los Angeles	San Jose Creek WRP																					
Los Angeles	Saugus WRP																					
Los Angeles	Terminal Island WWTP			30.75				27.80														
Los Angeles	Trancas WPCP																					
Los Angeles	Valencia WRP																					3.53 mgd RO facility expected by 2015
Los Angeles	West Basin-Carson Regional WRP-Nitrification																					
Los Angeles	West Basin-Carson Regional WRP-RO																					
Los Angeles	West Basin WRP-Barrier Treat																					

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																		Brine-Concentrate Technologies		
Region	Treatment Facility Name	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	Note disposal method used, technology, energy usage, provide unit cost info (cost to build, cost to operate, energy costs, etc.) and planned year of technology change or addition.	
Los Angeles	West Basin WRP-Chevron Plant-Nitrification																					
Los Angeles	West Basin WRP-Chevron Plant-RO																					
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification																					
Los Angeles	West Basin WRP-Exxon Mobil-RO																					
Los Angeles	West Basin WRP-Edward C. Little WRF																					
Los Angeles	Whittier Narrows WRP																					
North Orange County	Green Acres Project																					
North Orange County	Groundwater Replenishment System																					
North Orange County	Michelson WRP																					
North Orange County	OCSD Plant #1																					
North Orange County	OCSD Plant #2																					
South Orange County	3A Plant																					No RO
South Orange County	Chiquita WRP																					
South Orange County	Coastal Treatment Plant																					
South Orange County	El Toro WWTP																					
South Orange County	Jay B Latham WWTP																					
South Orange County	Los Alisos WRP																					
South Orange County	Nichols Water Reclamation Plant																					

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																		Brine-Concentrate Technologies		
Region	Treatment Facility Name	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	Note disposal method used, technology, energy usage, provide unit cost info (cost to build, cost to operate, energy costs, etc.) and planned year of technology change or addition.	
South Orange County	Oso Creek WRP																					
South Orange County	Regional Treatment Plant																					
South Orange County	Robinson Ranch WRP																					
South Orange County	San Clemente WRP																					
San Diego	4-S Ranch WTP																					
San Diego	Camp Pendleton WWTP #01																					
San Diego	Camp Pendleton WWTP #02																					
San Diego	Camp Pendleton WWTP #03																					
San Diego	Camp Pendleton WWTP #09																					
San Diego	Camp Pendleton WWTP #11																					
San Diego	Camp Pendleton WWTP #12																					
San Diego	Camp Pendleton WWTP #13																					
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant																					
San Diego	Camp Pendleton-Southern Tertiary Treatment Plant																					
San Diego	Carlsbad WRP																					
San Diego	Chula Vista MBR Treatment Plant																					MBR
San Diego	Encina WPCF																					
San Diego	Fairbanks Ranch WPCF																					
San Diego	Fallbrook Plant #1																					
San Diego	Gafner WRF																					
San Diego	Hale Avenue WRF	3300																			Palomar Energy cooling tower water which uses recycled	

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																		Brine-Concentrate Technologies		
Region	Treatment Facility Name	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	Note disposal method used, technology, energy usage, provide unit cost info (cost to build, cost to operate, energy costs, etc.) and planned year of technology change or addition.	
San Diego	La Salina WWTP																					
San Diego	Lower Moosa Canyon WRF																					
San Diego	Meadowlark WRP																					
San Diego	North City WRP	5400																				Electrodialysis Reversal Concentrate discharges to outfall via Point Loma WWTP
San Diego	Padre Dam WRF																					
San Diego	Point Loma WWTP																					
San Diego	Ralph W Chapman WRF																					
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF																					
San Diego	San Elijo WRF																					
San Diego	San Luis Rey WWTP																					
San Diego	San Vicente WWTP																					
San Diego	Santa Maria WPCF																					
San Diego	Skyline Ranch WRF																					
San Diego	South Bay WRP																					
San Diego	Valley Center WWTP																					
San Diego	Whispering Palms WPCF																					
Ventura	Ahmanson Ranch																					
Ventura	Camarillo WRP																					no RO treatment at wastewater plant.

**Wastewater Treatment Plant
Permit and Quality Information**

Facility Information		Brine-Concentrate Water Quality Information (Please provide water quality report of RO permeate and source water quality if available)																		Brine-Concentrate Technologies	
Region	Treatment Facility Name	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	Trace Organics (list)	Notes	Note disposal method used, technology, energy usage, provide unit cost info (cost to build, cost to operate, energy costs, etc.) and planned year of technology change or addition.
Ventura	Camrosa WRF																				
Ventura	Hill Canyon TP																				
Ventura	Moorpark WWTP																				
Ventura	Oxnard WWTP	12200	77	176	11	188	8	22	182	827		159	16	3800	1800	18			NDMA: 147 ppb	Plant is not in operation yet.	
Ventura	Simi Valley WQCP																				
Ventura	Tapia WRF																				
Ventura	Ventura WWTP																				

Attachment C.2 – Wastewater Treatment Plant Flow Information

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information			Current/End of 2008																																												
Region	Treatment Facility Name	Operating Agency	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																													
			Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total																	
Inland Empire	Banning WWTP	City of Banning	3.00	3.00																																		0									
Inland Empire	Beaumont WWTP #1	City of Beaumont	4.00	4.00	4.00																																784	784									
Inland Empire	Big Bear Area RWA WWTF	Big Bear Area RWA	4.90	4.90	1.90					1.90	1.90	1.90																									3317	3317									
Inland Empire	Carbon Canyon WRF	Inland Empire Utilities Agency	10.20	10.20	10.20					10.80						11.50																					0	0									
Inland Empire	Chino Institution For Men	California DOC	0.90	0.90	0.90																																0	0									
Inland Empire	Colton WWTP	City of Colton	9.75	9.75						6.10	6.10																										0	0									
Inland Empire	Corona WWTP #1	City of Corona	5.50	11.50	9.00					5.30	9.62	8.30				5.5	13.43	9.83																			3832	3832									
Inland Empire	Corona WWTP #2	City of Corona	3.00	3.00						2.93	2.27					3.54	2.70																				0	0									
Inland Empire	Corona WWTP #3	City of Corona	1.00	1.00						0.56	0.73					0.80	1.68																				789	789									
Inland Empire	EVMWD-Alberhill	EVMWD																																			0	0									
Inland Empire	Grass Valley Wastewater Treatment Facility	Lake Arrowhead Community Services District	2.50	2.50						1.60	1.60					4.60	4.60																				0	0									
Inland Empire	Hemet/San Jacinto WRF	Eastern MWD	11.00	11.00						8.35	8.35																										0	0									
Inland Empire	Henry N. Wochoiz WWTP	Yucaipa Valley WD	8.00	8.00	6.70					3.60	3.60	3.60				4.00	4.00	4.00																			0	0									
Inland Empire	Horsethief Canyon	EVMWD	0.50	0.50						0.40	0.40																										468	468									
Inland Empire	IEUA Regional Plant #1	Inland Empire Utilities Agency	44.00	44.00	44.00					34.50						38.50																						0	0								
Inland Empire	IEUA Regional Plant #4	Inland Empire Utilities Agency	7.00	7.00	7.00					6.10						7.00																						0	0								
Inland Empire	IEUA Regional Plant #5	Inland Empire Utilities Agency	15.00							10.50						12.70																						0	0								
Inland Empire	Lake Elsinore Regional WWRF	Elsinore Valley MWD	4.00	3.00	3.00					5.16	5.16	5.16																									0	0									
Inland Empire	Lee Lake	Lee Lake Water District	1.60	1.60						0.90	0.90																										40	40									
Inland Empire	Moreno Valley WRF	Eastern MWD	16.00	16.00	6.00					12.58	12.58	6.00																									0	0									
Inland Empire	Perris Valley WRF	Eastern MWD	11.00	11.00	11.00					10.54	10.54	10.54																										0	0								
Inland Empire	Railroad Canyon WWRF	Elsinore Valley MWD	1.30	1.30	1.30					0.78	0.78	0.78																									872	872									
Inland Empire	Redlands WWTP	City of Redlands	9.00	9.00						4.20	4.20																										4704	4704									
Inland Empire	Regional Wastewater Reclamation Plant	EVMWD	8.00	8.00						5.16	5.16																										1233	4549	5782	5782							
Inland Empire	Rialto WWTP	City of Rialto	11.70	11.70	11.70																																	0	0								
Inland Empire	Riverside Regional WQCP	City of Riverside	40.00	40.00	40.00					31.70	31.70	31.70				37.20	37.20	37.20																			252	2240	2492	2492							
Inland Empire	RIX WRP	San Bernardino MWD			40.00																																	0	0								
Inland Empire	Running Springs	Running Springs WD	1.00	1.00																																		0	0								
Inland Empire	San Bernardino WRP	San Bernardino MWD	33.00	33.00						25.89	25.89																											0	0								
Inland Empire	Santa Rosa WRF	Rancho California WD	5.00	5.00	5.00					3.20	3.20	3.20				5.00	5.00	5.00																				3200	120	3320	3320						
Inland Empire	Temecula Valley Regional WRF	Eastern MWD	14.00	14.00	14.00					12.18	12.18	12.18																										1705	120	2775	2775						
Inland Empire	Western Riverside Co WWTP	Western Riverside County RWA	8.00	8.00	8.00					5.30	5.30	5.30																										246	246	246	246						
Inland Empire	Western Water Recycling Facility	Western Municipal WD	1.00	1.00						0.60	0.60																												672	672	672	672					
Los Angeles	Burbank WRP	City of Burbank	9.00	9.00	9.00																																		0	0							
Los Angeles	Donald C. Tillman WRP	City of Los Angeles Bureau of Sanitation	60.00	60.00	60.00					49.40	37.50	37.50				58.40	37.50	37.50																					241	-	2593	-	12656	-	1137	16626	16626
Los Angeles	Groundwater Reliability Improvement Program (GRIP)	WRD/USGVMWD-Owners Los Angeles CSD - Operators																																							0	0					
Los Angeles	Hyperion WWTP	City of Los Angeles Bureau of Sanitation	450.00	450.00						320.70	320.70					415.00	320.70																								0	0					

Wastewater Treatment Plant
Facility and Flow Information

Facility Information			Current/End of 2008																																
Region	Treatment Facility Name	Operating Agency	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																	
			Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total					
Los Angeles	Joint WPCP	Los Angeles CSD	400.00	400.00				301.50	301.50					428.00	428.00																		0		
Los Angeles	La Canada WRP	Los Angeles CSD	0.20	0.20				0.10	0.10					0.48	0.48																	116			
Los Angeles	Lake Hughes CWTF	Los Angeles County Department of Public Works																														0			
Los Angeles	Lancaster WRP	Los Angeles CSD	17.00	17.00	1.60			15.20	11.20	1.20				16.10	15.80	1.55										6515	6191					12706			
Los Angeles	Leo J. Vander Lans Treatment Facility	WRD (Owner) City of Long Beach (Operator)				3.50								3.50	0.53							1242										1242			
Los Angeles	Long Beach WRP	Los Angeles CSD	25.00	25.00	25.00			17.84	17.84	17.84				34.20	34.20	34.20					1755		1177		3935							6867			
Los Angeles	Los Angeles/Glendale WRP	City of Los Angeles Bureau of Sanitation	20.00	20.00	20.00			17.60	14.80	14.80				21.50	14.80	14.80							290							16286		16576			
Los Angeles	Los Coyotes WRP	Los Angeles CSD	37.50	37.50	37.50			31.80	31.80	31.80				68.00	68.00	68.00								1289		5189	20					6498			
Los Angeles	Malibu Mesa WRF	Los Angeles County Department of Public Works																														0			
Los Angeles	Malibu WPCP	Los Angeles County Department of Public Works																														0			
Los Angeles	Newhall Ranch WRP	Newhall Ranch Sanitation District																														0			
Los Angeles	Palmdale WRP	Los Angeles CSD	15.00	15.00	15.00			9.49	9.49	9.50				19.90	19.90	19.90																	7042		
Los Angeles	Pomona WRP	Los Angeles CSD	15.00	15.00	15.00			9.49	9.49	9.49				14.43	14.43	14.43								88		3091	1277						7864		
Los Angeles	San Jose Creek WRP	Los Angeles CSD	100.00	100.00	100.00			82.30	82.30	82.30				152.20	152.20	152.20								201		3994	119						28144		
Los Angeles	Saugus WRP	Los Angeles CSD	6.50	6.50	6.50			6.52	6.52	6.52				7.50	7.50	7.50																	0		
Los Angeles	Terminal Island WRP	City of Los Angeles Bureau of Sanitation	30.00	30.00	30.00	5.00		15.60	15.60	15.60	4.00	1.00		15.60	15.60	15.60	4.00	1.00				3000								11872			14872		
Los Angeles	Trancas WPCP	Los Angeles County Department of Public Works																															0		
Los Angeles	Valencia WRP	Los Angeles CSD	21.60	21.60	21.60			15.96	15.96	15.96				31.10	31.10	31.10																	356		
Los Angeles	West Basin-Carson Regional WRP-Nitrification	West Basin MWD			5.90					5.90						5.90																		6608	
Los Angeles	West Basin-Carson Regional WRP-RO	West Basin MWD				5.00										5.00	0.75																	4760	
Los Angeles	West Basin WRP-Barrier Treat	West Basin MWD				12.50										12.50	1.88																	11900	
Los Angeles	West Basin WRP-Chevron Plant-Nitrification	West Basin MWD			1.30					1.30						1.30																			1456
Los Angeles	West Basin WRP-Chevron Plant-RO	West Basin MWD				4.30				4.30	0.65					4.30	0.65																		4094
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification	West Basin MWD			3.80					3.80						3.80																			4256
Los Angeles	West Basin WRP-Exxon Mobil-RO	West Basin MWD				3.20				3.20	0.48					3.20	0.48																		3584
Los Angeles	West Basin WRP-Edward C. Little WRF	West Basin MWD			30					30						30																		0	
Los Angeles	Whittier Narrows WRP	Los Angeles CSD	15.00	15.00	15.00			7.49	7.49	7.49				9.34	9.34	9.34																		4626	
North Orange County	Green Acres Project	Orange County WD			10.00					7.00						10.00																			2280
																																		4400	

Wastewater Treatment Plant
Facility and Flow Information

Facility Information			Current/End of 2008																														
Region	Treatment Facility Name	Operating Agency	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)															
			Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total			
North Orange County	Groundwater Replenishment System	Orange County WD			92.53	82.35				80.00	71.20	10.68				71.20	10.68		32791			35000											67791
North Orange County	Michelson WRP	Irvine Ranch WD	18.00	18.00	18.00																											0	
North Orange County	OCSD Plant #1	Orange County SD	204.00	204.00				88.00	88.00					125.84	88.00																	0	
North Orange County	OCSD Plant #2	Orange County SD	168.00	90.00				155.00	90.00					221.65	90.00																	0	
South Orange County	3A Plant	SOCWA	6.00	6.00	2.40			2.22	2.22	1.33				4.46	4.46	1.82														1401		1401	
South Orange County	Chiquita WRP	Santa Margarita WD	9.00	9.00	5.00			6.60	6.60	2.30				10.57	10.57	5.00													2576		2576		
South Orange County	Coastal Treatment Plant	SOCWA	6.70	6.70	4.20			3.02	3.00	1.02				4.44	4.44	2.51													872		872		
South Orange County	El Toro WWTP	El Toro Water District	6.00	6.00	2.60			4.20	4.20	0.34				5.50	5.50	1.10													386		386		
South Orange County	Jay B Latham WWTP	SOCWA	13.00	13.00				8.83	8.83					13.90	13.90																0		
South Orange County	Los Alisos WRP	Irvine Ranch WD		7.50	7.10				4.60	2.74					6.57	5.55													3092		3092		
South Orange County	Nichols Water Reclamation Plant	Santa Margarita WD		0.09	0.04				0.02	0.02					0.04	0.04													26		26		
South Orange County	Oso Creek WRP	Santa Margarita WD	3.00	3.00	3.00			1.54	1.54	1.54				2.62	2.60	2.60													1725		1725		
South Orange County	Regional Treatment Plant	SOCWA	12.00	12.00	11.40			10.00	10.00	6.27				12.40	12.40	9.14													6986		6986		
South Orange County	Robinson Ranch WRP	Trabuco Canyon Water District	1.10	1.10	1.10			0.65	0.65	0.65				0.97	0.97	0.97													1030		1030		
South Orange County	San Clemente WRP	City of San Clemente	5.90	5.90	1.10																								629		629		
San Diego	4-S Ranch WTP	Olivenhain MWD																													0		
San Diego	Camp Pendleton WWTP #01	U.S. Marine Corps	1.10	1.10																											0		
San Diego	Camp Pendleton WWTP #02	U.S. Marine Corps	0.90	0.90																											0		
San Diego	Camp Pendleton WWTP #03	U.S. Marine Corps	0.90	0.90																											0		
San Diego	Camp Pendleton WWTP #09	U.S. Marine Corps	0.40	0.40																											0		
San Diego	Camp Pendleton WWTP #11	U.S. Marine Corps	1.40	1.40																											0		
San Diego	Camp Pendleton WWTP #12	U.S. Marine Corps	0.40	0.40																											0		
San Diego	Camp Pendleton WWTP #13	U.S. Marine Corps	2.00	2.00																											0		
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant	U.S. Marine Corps	0.00	0.00																											0		

Wastewater Treatment Plant
Facility and Flow Information

Facility Information			Current/End of 2008																												
Region	Treatment Facility Name	Operating Agency	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)													
			Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total	
San Diego	Camp Pendleton-Southern Regional Tertiary Treatment Plant	U.S. Marine Corps	0.00	0.00																											0
San Diego	Carlsbad WRP	Encina Joint Powers Authority			4.00	4.00				4.00	4.00	0.60			4.00	4.00	0.60								2319	100					2419
San Diego	Chula Vista MBR Treatment Plant	City of Chula Vista/ Otay WD																													
San Diego	Encina WPCF	Encina Joint Powers Authority	32.00	32.00																											0
San Diego	Fairbanks Ranch WPCF	Fairbanks Ranch Comm. Ser. D	0.20	0.20																											0
San Diego	Fallbrook Plant #1	Fallbrook PUD	2.00	2.00	2.00			2.00	2.00	2.00			2.50	2.50	2.50										474						474
San Diego	Gafner WRF	Leucadia CWD	1.00	1.00	1.00																										0
San Diego	Hale Avenue WRF	City of Escondido	17.50	17.50	9.00			13.00	13.00	3.00			17.00	17.00	3.00								3119		627						3746
San Diego	La Salina WWTP	City of Oceanside	5.50	5.50																											0
San Diego	Lower Moosa Canyon WRF	Valley Center MWD	0.25	0.25																											0
San Diego	Meadowlark WRP	Vallecitos WD	2.00	2.00	2.00																										0
San Diego	North City WRP	City of San Diego	30.00	30.00	24.00		0.60	23.31	22.70	7.35		0.19	23.70	22.70	11.13								2440		4470		92				7002
San Diego	Padre Dam WRF	Padre Dam MWD	2.00	2.00	2.00			2.00	2.00	2.00			2.00	2.00	2.00														560		1460
San Diego	Point Loma WWTP	City of San Diego	240.00					161.00					362.00																		0
San Diego	Ralph W Chapman WRF	Otay WD	1.30	1.30	1.30																				442						442
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	Rancho Santa Fe Com. Service D	0.45	0.45																											0
San Diego	San Elijo WRF	San Elijo Joint Powers Authority	3.70	3.70																											0
San Diego	San Luis Rey WWTP	City of Oceanside	10.70	10.70	0.70																										0
San Diego	San Vicente WWTP	Ramona MWD	0.80	0.80	0.80	0.80	0.02		0.60	0.30	0.60	0.02		1.20	0.35	0.80	0.02								340	340					680
San Diego	Santa Maria WPCF	Ramona MWD	1.00	1.00	0.35				0.60	0.35				1.00	0.35										235		30				265
San Diego	Skyline Ranch WRF	Valley Center MWD	0.02	0.02																											0
San Diego	South Bay WRP	City of San Diego	15.00	15.00	13.50			8.64	8.44	6.43			9.43	9.21	7.13							1497		3666							5163
San Diego	Valley Center WWTP	Valley Center MWD																													0
San Diego	Whispering Palms WPCF	Whispering Palms Comm. Services D	0.40	0.40																											0
Ventura	Ahmanson Ranch	Las Virgenes MWD																													0
Ventura	Camarillo WRP	Camarillo SD	6.75	6.75	6.75			3.90	3.90	3.90			4.50	4.50	4.50											1000					1000
Ventura	Camrosa WRF	Ventura Regional SD & Camrosa WD	1.50	1.50	1.50																										0
Ventura	Hill Canyon TP	City of Thousand Oaks	10.80	10.80	10.80			10.60	10.60	10.60			10.80	10.80	10.80																0
Ventura	Moorpark WWTP	County of Ventura Waterworks District No. 1	3.00	3.00	1.50																										0
Ventura	Oxnard WWTP/AWPF	City of Oxnard	31.70	31.70				22.60	22.60				31.70	31.70																	0
Ventura	Simi Valley WQCP	Simi Valley CSD	12.50	12.50	12.50			9.60	9.60	9.60			18.90	9.60	9.60										30		30				60
Ventura	Tapia WRF	Las Virgenes MWD	9.00	9.00	9.00																										0
Ventura	Ventura WWTP	Ventura Regional SD																													0

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2010																															
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total				
Inland Empire	Banning WWRP	5.50	5.50																													0	
Inland Empire	Beaumont WWTP #1	2.50	2.50	2.50																				784							784		
Inland Empire	Big Bear Area RWA WWTF	4.90	4.90	1.90			1.90	1.90	1.90								500							1600							2100		
Inland Empire	Carbon Canyon WRF	12.00	12.00	12.00			10.80					11.50											4168	300							4468		
Inland Empire	Chino Institution For Men	0.90	0.90	0.90																											0		
Inland Empire	Colton WWTP	9.75	9.75				6.10	6.10																							0		
Inland Empire	Corona WWTP #1	5.50	11.50	9.00			5.50	9.62	8.30			5.50	13.43	9.83		1120						52		1903	5549					8624			
Inland Empire	Corona WWTP #2	3.00	3.00				3.00	3.00				3.54	3.00									40			467					507			
Inland Empire	Corona WWTP #3	1.00	1.00				0.56	0.73				0.80	1.68									214		575						789			
Inland Empire	EVMWD-Alberhill																														0		
Inland Empire	Grass Valley Wastewater Treatment Facility	3.75	3.75	1.00			2.00	2.00	1.00			5.00	5.00	1.00										200							200		
Inland Empire	Hemet/San Jacinto WRF	11.00	11.00				9.60	9.60								1000							2002	1900	4200						9102		
Inland Empire	Henry N. Wochoiz WWTP	8.00	8.00	6.70			4.00	4.00	4.00			4.00	4.00	4.00																	0		
Inland Empire	Horsethief Canyon	0.50	0.50				0.40	0.40																475							475		
Inland Empire	IEUA Regional Plant #1	49.00	49.00	49.00			34.50					38.50				25900						4593		827							31320		
Inland Empire	IEUA Regional Plant #4	14.00	14.00	14.00			6.10					7.00				11532							180								11712		
Inland Empire	IEUA Regional Plant #5	15.00	15.00	15.00			10.50					12.70				8700						3432		340	4000						16472		
Inland Empire	Lake Elsinore Regional WWRF	8.00	8.00	8.00																		248	3681	200	600						4729		
Inland Empire	Lee Lake	2.30	2.30				0.90	0.90														100		600		20					720		
Inland Empire	Moreno Valley WRF	16.00	16.00	6.00			14.90	14.90	6.00														4639	7013							11652		
Inland Empire	Perris Valley WRF	11.00	11.00	11.00			15.60	15.60	15.60														873	6900	2000		5				9778		
Inland Empire	Railroad Canyon WWRF	1.50	1.50	1.50			0.80	0.80	0.80															872	6900							872	
Inland Empire	Redlands WWTP	9.00	9.00				4.20	4.20														6160		1507								7667	
Inland Empire	Regional Wastewater Reclamation Plant	8.00	8.00				7.10	7.10																	1120		6813					7933	
Inland Empire	Rialto WWTP	11.70	11.70	11.70																			1170		427							1597	
Inland Empire	Riverside Regional WQCP	40.00	40.00	40.00			37.90	37.90	37.90			40.00	40.00	40.00														2240				2492	
Inland Empire	RIX WRP			50.00																			2500		2500							5000	
Inland Empire	Running Springs	1.00	1.00																					503								503	
Inland Empire	San Bernardino WRP	33.00	33.00				27.50	27.50								5000	5000	4000						500	2800							17300	
Inland Empire	Santa Rosa WRF	5.00	5.00	5.00			3.50	3.50	3.50			5.00	5.00	5.00										3600	120							3720	
Inland Empire	Temecula Valley Regional WRF	16.00	16.00	16.00			14.30	14.30	14.30															4145	7350							11495	
Inland Empire	Western Riverside Co WWTP	8.00	8.00	8.00			7.10	7.10	7.10															1000								1000	
Inland Empire	Western Water Recycling Facility	3.00	3.00	3.00			1.30	1.30	1.30							500									1000							1500	
Los Angeles	Burbank WRP	9.00	9.00	9.00																			1314		1871							3185	
Los Angeles	Donald C. Tillman WRP	60.00	60.00	60.00			49.80	40.00	40.00			58.40	40.00	40.00									243	-	2612	-	12749	-	1145			16748	
Los Angeles	Groundwater Reliability Improvement Program (GRIP)																																0
Los Angeles	Hyperion WWTP	450.00	450.00				342.00	342.00																									0

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2010																													
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)														
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total		
North Orange County	Groundwater Replenishment System			92.53	82.35			92.53	82.35	12.35			92.53	82.35	12.35		43410			35000											78410
North Orange County	Michelson WRP	18.00	18.00	18.00																				9200	1785					10985	
North Orange County	OCSD Plant #1	204.00	204.00				92.20	92.20			202.84	120.00																		0	
North Orange County	OCSD Plant #2	168.00	168.00				144.00	144.00			316.80	316.80																		0	
South Orange County	3A Plant	6.00	6.00	2.40			3.50	3.50	1.75		5.00	5.00	2.40												2016					2016	
South Orange County	Chiquita WRP	9.00	9.00	5.00			7.00	7.00	3.20		11.00	11.00	5.00															1007	4591		
South Orange County	Coastal Treatment Plant	6.70	6.70	4.20			3.50	3.50	1.50		4.44	4.44	2.51												1680				1680		
South Orange County	El Toro WWTP	6.00	6.00	2.60			4.80	4.80	0.40		5.50	5.50	2.00												448				448		
South Orange County	Jay B Latham WWTP	13.00	13.00				9.00	9.00			15.00	15.00																	0		
South Orange County	Los Alisos WRP		7.50	7.10			5.00	3.50				6.80	6.00												3920				3920		
South Orange County	Nichols Water Reclamation Plant		0.09	0.04			0.02	0.02				0.04	0.04												26				26		
South Orange County	Oso Creek WRP	3.00	3.00	3.00			1.54	1.54	1.54		2.60	2.60	2.60												1725			17	1741		
South Orange County	Regional Treatment Plant	12.00	12.00	11.40			10.50	10.50	7.50		13.00	13.00	10.00												8401				8401		
South Orange County	Robinson Ranch WRP	1.30	1.30	1.30			1.00	1.00	1.00		1.30	1.30	1.30												1120				1120		
South Orange County	San Clemente WRP	5.90	5.90	1.10																					2660				2660		
San Diego	4-S Ranch WTP	2.00	2.00	2.00																					1600				1600		
San Diego	Camp Pendleton WWTP #01	0.00	0.00																										0		
San Diego	Camp Pendleton WWTP #02	0.00	0.00																										0		
San Diego	Camp Pendleton WWTP #03	0.00	0.00																										0		
San Diego	Camp Pendleton WWTP #09	0.40	0.40													504													504		
San Diego	Camp Pendleton WWTP #11	0.00	0.00													224													224		
San Diego	Camp Pendleton WWTP #11	0.00	0.00													784													784		
San Diego	Camp Pendleton WWTP #12	0.00	0.00													224													224		
San Diego	Camp Pendleton WWTP #13	0.00	0.00													1120													1120		
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant	0.00	0.00																										0		

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2010																												
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)													
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total	
San Diego	Camp Pendleton-Southern Regional Tertiary Treatment Plant	0.00	0.00																											0
San Diego	Carlsbad WRP			4.00	4.00			4.00	4.00	0.60			4.00	4.00	0.60									2319	100					2419
San Diego	Chula Vista MBR Treatment Plant																													
San Diego	Encina WPCF	32.00	32.00																											0
San Diego	Fairbanks Ranch WPCF	0.28	0.28	0.28												336													336	
San Diego	Fallbrook Plant #1	2.01	2.01	2.01		2.00	2.00	2.00			2.50	2.50	2.50										160	320					480	
San Diego	Gafner WRF	2.00	2.00	2.00																			221	44					265	
San Diego	Hale Avenue WRF	18.00	18.00	9.00		13.00	13.00	3.00			17.00	17.00	3.00								3000		675						3675	
San Diego	La Salina WWTP	5.50	5.50																										0	
San Diego	Lower Moosa Canyon WRF	0.44	0.44	0.44												360													360	
San Diego	Meadowlark WRP	3.00	3.00	3.00																			3108	548					3656	
San Diego	North City WRP	30.00	30.00	24.00	0.60	23.31	22.70	8.00		0.19	23.70	22.70	11.13		0.52						3115		5693			92			8900	
San Diego	Padre Dam WRF	2.00	2.00	2.00		2.00	2.00	2.00			2.00	2.00	2.00										900				560		1460	
San Diego	Point Loma WWTP	240.00				164.00					365.00																		0	
San Diego	Ralph W Chapman WRF	1.30	1.30	1.30																			1456						1456	
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	0.60	0.60	0.50												552							120						672	
San Diego	San Elijo WRF	3.70	3.70	3.70																			1690						1690	
San Diego	San Luis Rey WWTP	13.50	13.50	5.00																			550						550	
San Diego	San Vicente WWTP	0.80	0.80	0.80	0.80	0.02		0.60	0.30	0.60	0.02		1.20	0.35	0.80	0.02						340	340					680		
San Diego	Santa Maria WPCF	1.40	1.40	0.40				0.60	0.35				1.00	0.35									230		30				260	
San Diego	Skyline Ranch WRF	0.02	0.02																				28						28	
San Diego	South Bay WRP	15.00	15.00	13.50		8.64	8.44	6.43			9.43	9.21	7.13								1725		4225						5950	
San Diego	Valley Center WWTP																												0	
San Diego	Whispering Palms WPCF	0.40	0.40													448													448	
Ventura	Ahmanson Ranch																												0	
Ventura	Camarillo WRP	6.75	6.75	6.75		4.30	4.30	4.30			5.10	5.10	5.10											4814					4814	
Ventura	Camrosa WRF	1.50	1.50	1.50																			199	835					1034	
Ventura	Hill Canyon TP	14.00	14.00	14.00		11.00	11.00	11.00			11.00	11.00	11.00											13586					13586	
Ventura	Moorpark WWTP	3.00	3.00	3.00																			757						757	
Ventura	Oxnard WWTP/AWPF	31.70	31.70	8.00	8.00	1.75	22.60	22.60	8.00	8.00	1.75	31.70	31.70	8.00	8.00	1.75							1750	5250					7000	
Ventura	Simi Valley WQCP	12.50	12.50	12.50		9.70	9.70	9.70			20.00	9.70	9.70										60			30			90	
Ventura	Tapia WRF	16.00	16.00	16.00																			1900		9131				11031	
Ventura	Ventura WWTP																												0	

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2015																																
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																	
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total					
Los Angeles	Joint WPCP	400.00	400.00				301.50	301.50				428.00	428.00																					0
Los Angeles	La Canada WRP	0.20	0.20				0.10	0.10				0.48	0.48											116									116	
Los Angeles	Lake Hughes CWTF																																0	
Los Angeles	Lancaster WRP	18.00	18.00	18.00																			1100	6515	6191							13806		
Los Angeles	Leo J. Vander Lans Treatment Facility				7.00				7.00	1.05				7.00	1.05					6664												6664		
Los Angeles	Long Beach WRP	25.00	25.00	25.00			17.84	17.84	17.84			34.20	34.20	34.20					1755			1177	10935									13867		
Los Angeles	Los Angeles/Glendale WRP	20.00	20.00	20.00			18.10	18.10	18.10													290								19982		20272		
Los Angeles	Los Coyotes WRP	50.00	50.00	50.00																		1289	5189	20								6498		
Los Angeles	Malibu Mesa WRF																															0		
Los Angeles	Malibu WPCP																															0		
Los Angeles	Newhall Ranch WRP	6.80	6.80		1.00					1.00	0.15				1.00	0.15																0		
Los Angeles	Palmdale WRP	15.00	15.00	15.00			9.49	9.49	9.50			19.90	19.90	19.90												7042						7042		
Los Angeles	Pomona WRP	15.00	15.00	15.00			9.49	9.49	9.49			14.43	14.43	14.43								88	7641	1277								12414		
Los Angeles	San Jose Creek WRP	125.00	125.00	125.00																		201	12894	119				201				37044		
Los Angeles	Saugus WRP	6.50	6.50	6.50			6.52	6.52	6.52			7.50	7.50	7.50																		0		
Los Angeles	Terminal Island WRP	30.00	30.00	30.00	5.00		16.00	16.00	16.00	5.00	1.00	16.00	16.00	16.00	5.00	1.00							4480							28000		32480		
Los Angeles	Trancas WPCP																															0		
Los Angeles	Valencia WRP	27.60	27.60	27.60	3.53										3.53	0.53							356									356		
Los Angeles	West Basin-Carson Regional WRP-Nitrification			5.90					5.90						5.90							6608										6608		
Los Angeles	West Basin-Carson Regional WRP-RO				5.00				5.00	0.75				5.00	0.75								4760									4760		
Los Angeles	West Basin WRP-Barrier Treat				17.50				17.50	2.63				17.50	2.63					16800												16800		
Los Angeles	West Basin WRP-Chevron Plant-Nitrification			1.30					1.30					1.30									1456									1456		
Los Angeles	West Basin WRP-Chevron Plant-RO				4.30				4.30	0.65				4.30	0.65								4094									4094		
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification			3.80					3.80					3.80									4256									4256		
Los Angeles	West Basin WRP-Exxon Mobil-RO				3.20				3.20	0.48				3.20	0.48								3584									3584		
Los Angeles	West Basin WRP-Edward C. Little WRF			50					50					50								11918		12641								24559		
Los Angeles	Whittier Narrows WRP	15.00	15.00	15.00			7.49	7.49	7.49			9.34	9.34	9.34																		7539		
North Orange County	Green Acres Project			10.00					7.00					10.00									2280			4400						6680		

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2015																													
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)														
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total		
North Orange County	Groundwater Replenishment System			132.19	117.65			132.19	117.65	17.65			132.19	117.65	17.65		77014			35000											112014
North Orange County	Michelson WRP	18.00	18.00	18.00																				9200	1785					10985	
North Orange County	OCS D Plant #1	239.80	239.80				109.00	109.00				239.80	239.80																	0	
North Orange County	OCS D Plant #2	168.00	168.00				144.00	144.00				316.80	316.80																	0	
South Orange County	3A Plant	6.00	6.00	2.40			3.50	3.50	2.20			5.20	5.20	2.40										2464						2464	
South Orange County	Chiquita WRP	9.00	9.00	7.50			8.00	8.00	5.50			11.00	11.00	7.50										6160						6160	
South Orange County	Coastal Treatment Plant	6.70	6.70	4.20	0.80		4.00	4.00	2.50	0.60	0.15	4.80	4.80	3.50	0.80	0.20								3920						3920	
South Orange County	El Toro WWTP	6.00	6.00	2.60			5.50	5.50	2.00			7.20	7.20	2.60										2240						2240	
South Orange County	Jay B Latham WWTP	13.00	13.00	7.00			9.00	9.00	3.50			15.00	15.00	5.00					1680					2240						3920	
South Orange County	Los Alisos WRP		7.50	7.10				6.00	5.50				7.20	6.00										6160						6160	
South Orange County	Nichols Water Reclamation Plant		0.09	0.04				0.02	0.02				0.04	0.04										26						26	
South Orange County	Oso Creek WRP	3.00	3.00	3.00			2.75	2.75	2.75			2.75	2.75	2.75										3080				17		3097	
South Orange County	Regional Treatment Plant	12.00	12.00	11.40			11.00	11.00	8.00			14.00	14.00	10.50										8961						8961	
South Orange County	Robinson Ranch WRP	1.30	1.30	1.30			1.20	1.20	1.20			1.30	1.30	1.30										1344						1344	
South Orange County	San Clemente WRP	7.00	7.00	2.20																				2660						2660	
San Diego	4-S Ranch WTP	2.00	2.00	2.00																				1600						1600	
San Diego	Camp Pendleton WWTP #01	0.00	0.00																											0	
San Diego	Camp Pendleton WWTP #02	0.00	0.00																								1120			1120	
San Diego	Camp Pendleton WWTP #03	0.00	0.00																											0	
San Diego	Camp Pendleton WWTP #09	0.70	0.70	0.70													224													224	
San Diego	Camp Pendleton WWTP #11	0.00	0.00																											0	
San Diego	Camp Pendleton WWTP #12	0.00	0.00																											0	
San Diego	Camp Pendleton WWTP #13	0.00	0.00																											0	
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant	5.00	5.00	5.00			5.00	5.00	5.00			5.00	5.00	5.00																1008	

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2015																														
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)															
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total			
San Diego	Camp Pendleton-Southern Regional Tertiary Treatment Plant	3.25	3.25	3.25	2.00		2.71	2.71	2.71			3.25	3.25	3.25			1624															1624
San Diego	Carlsbad WRP			4.00	4.00				4.00	4.00	0.60			4.00	4.00	0.60								2319	100						2419	
San Diego	Chula Vista MBR Treatment Plant	2.00	2.00				2.00	2.00				2.00	2.00																			
San Diego	Encina WPCF	32.00	32.00																												0	
San Diego	Fairbanks Ranch WPCF	0.28	0.28	0.28													336														336	
San Diego	Fallbrook Plant #1	2.70	2.70	2.70			2.00	2.00	2.00			2.50	2.50	2.50									160	320							480	
San Diego	Gafner WRF	2.00	2.00	2.00																			221	44							265	
San Diego	Hale Avenue WRF	21.00	21.00	12.00	6.00	0.90	18.50	18.50	9.00	6.00	0.90	21.00	21.00	10.00	6.00	0.90						3000	1000								4000	
San Diego	La Salina WWTP	5.50	5.50																												0	
San Diego	Lower Moosa Canyon WRF	0.44	0.44	0.44													360														360	
San Diego	Meadowlark WRF	3.00	3.00	3.00																											3656	
San Diego	North City WRF	30.00	30.00	24.00		0.60	23.31	22.70	10.00		0.19	23.70	22.70	11.30		0.52						3664	6707	548			99			10470		
San Diego	Padre Dam WRF	4.00	4.00	4.00	2.50		4.00	4.00	4.00	1.20	0.23	4.00	4.00	4.00	2.50	0.45		1344						2240				560		4144		
San Diego	Point Loma WWTP	240.00					171.00					365.00																			0	
San Diego	Ralph W Chapman WRF	1.30	1.30	1.30																				1456							1456	
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	0.60	0.60	0.50													552						120								672	
San Diego	San Elijo WRF	3.70	3.70	3.70																				1690							1690	
San Diego	San Luis Rey WWTP	13.50	13.50	5.00																			550								550	
San Diego	San Vicente WWTP	0.80	0.80	0.80	0.80	0.02		0.60	0.30	0.60	0.02		1.20	0.35	0.80	0.02							340	340							680	
San Diego	Santa Maria WPCF	1.40	1.40	0.40				0.60	0.35				1.00	0.35									230			30					260	
San Diego	Skyline Ranch WRF	0.02	0.02																				28								28	
San Diego	South Bay WRF	15.00	15.00	13.50			8.64	8.44	6.43			9.43	9.21	7.13								1928	4722								6650	
San Diego	Valley Center WWTP																														0	
San Diego	Whispering Palms WPCF	0.40	0.40														448														448	
Ventura	Ahmanson Ranch																														0	
Ventura	Camarillo WRP	6.75	6.75	6.75			5.00	5.00	5.00			5.90	5.90	5.90											5599						5599	
Ventura	Camrosa WRF	1.50	1.50	1.50																			199	835							1034	
Ventura	Hill Canyon TP	14.00	14.00	14.00			11.00	11.00	11.00			11.00	11.00	11.00											13586						13586	
Ventura	Moorpark WWTP	3.00	3.00	3.00																			757								757	
Ventura	Oxnard WWTP/AWPF	40.00	40.00	20.00	20.00	4.38	40.00	40.00	20.00	20.00	4.38	40.00	40.00	20.00	20.00	4.38						10500	1750	5250						17500		
Ventura	Simi Valley WQCP	17.50	17.50	17.50			9.70	9.70	9.70			20.00	9.70	9.70									60				30				90	
Ventura	Tapia WRF	16.00	16.00	16.00																			1900		9131						11031	
Ventura	Ventura WWTP																														0	

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2020																															
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total				
Los Angeles	Joint WPCP	400.00	400.00				301.50	301.50			428.00	428.00																					0
Los Angeles	La Canada WRP	0.20	0.20				0.10	0.10			0.48	0.48												116								116	
Los Angeles	Lake Hughes CWTF																															0	
Los Angeles	Lancaster WRP	26.00	26.00	26.00																			1100	6515	6191						13806		
Los Angeles	Leo J. Vander Lans Treatment Facility				7.00					7.00	1.05			7.00	1.05					6664												6664	
Los Angeles	Long Beach WRP	25.00	25.00	25.00			17.84	17.84	17.84			34.20	34.20	34.20					1755			1177		10935								13867	
Los Angeles	Los Angeles/Glendale WRP	20.00	20.00	20.00			18.40	18.40	18.40													290							20318			20608	
Los Angeles	Los Coyotes WRP	50.00	50.00	50.00																		1289		5189	20							6498	
Los Angeles	Malibu Mesa WRF																															0	
Los Angeles	Malibu WPCP																															0	
Los Angeles	Newhall Ranch WRP	6.80	6.80		1.00					1.00	0.15			1.00	0.15																	0	
Los Angeles	Palmdale WRP	15.00	15.00	15.00			9.49	9.49	9.50			19.90	19.90	19.90												7042						7042	
Los Angeles	Pomona WRP	15.00	15.00	15.00			9.49	9.49	9.49			14.43	14.43	14.43								88		7641		1277						12414	
Los Angeles	San Jose Creek WRP	125.00	125.00	125.00																		201		12894	119			201				37044	
Los Angeles	Saugus WRP	6.50	6.50	6.50			6.52	6.52	6.52			7.50	7.50	7.50																		0	
Los Angeles	Terminal Island WRP	30.00	30.00	30.00	5.00		16.00	16.00	16.00	5.00	1.00	16.00	16.00	16.00	5.00	1.00													26880			32480	
Los Angeles	Trancas WPCP																																0
Los Angeles	Valencia WRP	27.60	27.60	27.60	3.53					3.53	0.53				3.53	0.53								356								356	
Los Angeles	West Basin-Carson Regional WRP-Nitrification			5.90						5.90												6608											6608
Los Angeles	West Basin-Carson Regional WRP-RO				5.00					5.00	0.75			5.00	0.75								4760									4760	
Los Angeles	West Basin WRP-Barrier Treat				17.50					17.50	2.63			17.50	2.63				16800														16800
Los Angeles	West Basin WRP-Chevron Plant-Nitrification			1.30						1.30				1.30								1456											1456
Los Angeles	West Basin WRP-Chevron Plant-RO				4.30					4.30	0.65			4.30	0.65								4094									4094	
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification			3.80						3.80				3.80																			4256
Los Angeles	West Basin WRP-Exxon Mobil-RO				3.20					3.20	0.48			3.20	0.48																	3584	
Los Angeles	West Basin WRP-Edward C. Little WRF			50						50				50									11918		12641								24559
Los Angeles	Whittier Narrows WRP	15.00	15.00	15.00			7.49	7.49	7.49			9.34	9.34	9.34																			7539
North Orange County	Green Acres Project			10.00						7.00				10.00										2280			4400						6680

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2020																													
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)														
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total		
North Orange County	Groundwater Replenishment System			132.19	117.65			132.19	117.65	17.65			#####	117.65	17.65		77014				35000										112014
North Orange County	Michelson WRP	18.00	18.00	18.00																			9200	1785						10985	
North Orange County	OCS D Plant #1	272.80	272.80				124.00	124.00				272.80	272.80																	0	
North Orange County	OCS D Plant #2	168.00	168.00				144.00	144.00				316.80	316.80																	0	
South Orange County	3A Plant	6.00	6.00	2.40			3.50	3.50	2.20			6.00	6.00	2.40														2464		2464	
South Orange County	Chiquita WRP	9.00	9.00	7.50			8.30	8.30	6.00			12.00	12.00	7.50														6720		6720	
South Orange County	Coastal Treatment Plant	6.70	6.70	4.20	0.80		4.00	4.00	2.50	0.60	0.15	4.80	4.80	3.50	0.80	0.20												3920		3920	
South Orange County	El Toro WWTP	6.00	6.00	2.60			5.80	5.80	2.40			7.50	7.50	2.60														2688		2688	
South Orange County	Jay B Latham WWTP	13.00	13.00	7.00			11.50	11.50	6.00			15.00	15.00	7.00					3360								3360		6720		
South Orange County	Los Alisos WRP		7.50	7.10				6.00	5.50				7.20	6.00														6160		6160	
South Orange County	Nichols Water Reclamation Plant		0.09	0.04				0.02	0.02				0.04	0.04														26		26	
South Orange County	Oso Creek WRP	3.00	3.00	3.00			2.75	2.75	2.75			2.75	2.75	2.75														3080		3097	
South Orange County	Regional Treatment Plant	13.00	13.00	11.40			12.00	12.00	8.50			15.00	15.00	10.50														8961		8961	
South Orange County	Robinson Ranch WRP	1.30	1.30	1.30			1.20	1.20	1.20			1.30	1.30	1.30														1344		1344	
South Orange County	San Clemente WRP	7.00	7.00	2.20																								2660		2660	
San Diego	4-S Ranch WTP	2.00	2.00	2.00																								1600		1600	
San Diego	Camp Pendleton WWTP #01																													0	
San Diego	Camp Pendleton WWTP #02																													1120	
San Diego	Camp Pendleton WWTP #03																													0	
San Diego	Camp Pendleton WWTP #09	0.70	0.70	0.70													224													224	
San Diego	Camp Pendleton WWTP #11																													0	
San Diego	Camp Pendleton WWTP #12																													0	
San Diego	Camp Pendleton WWTP #13																													0	
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant	5.00	5.00	5.00			5.00	5.00	5.00			5.00	5.00	5.00			1008													1008	

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2020																														
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)															
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total			
San Diego	Camp Pendleton-Southern Regional Tertiary Treatment Plant	3.25	3.25	3.25			2.71	2.71	2.71			3.25	3.25	3.25			1624															1624
San Diego	Carlsbad WRP			4.00	4.00				4.00	4.00	0.60			4.00	4.00	0.60								2319	100						2419	
San Diego	Chula Vista MBR Treatment Plant	2.00	2.00				2.00	2.00				2.00	2.00																			
San Diego	Encina WPCF	32.00	32.00																												0	
San Diego	Fairbanks Ranch WPCF	0.28	0.28	0.28												336															336	
San Diego	Fallbrook Plant #1	2.70	2.70	2.70			2.00	2.00	2.00			2.50	2.50	2.50									160	320							480	
San Diego	Gafner WRF	2.00	2.00	2.00																			221	44							265	
San Diego	Hale Avenue WRF	21.00	21.00	12.00	6.00	0.90	20.00	20.00	18.00	6.00	0.90	21.00	21.00	10.00	6.00	0.90						3000		1000							4000	
San Diego	La Salina WWTP	5.50	5.50																												0	
San Diego	Lower Moosa Canyon WRF	0.44	0.44	0.44												360															360	
San Diego	Meadowlark WRF	3.00	3.00	3.00																											3656	
San Diego	North City WRF	30.00	30.00	24.00	16.00	4.60	30.00	30.00	24.00	16.00	4.60	30.00	30.00	24.00	16.00	4.60			18000			3664		6707			99			28470		
San Diego	Padre Dam WRF	10.00	10.00	10.00	4.50		10.00	10.00	10.00	4.50	1.00	10.00	10.00	10.00	4.50	1.00		5000						2240					560		7800	
San Diego	Point Loma WWTP	240.00					164.00					349.00																			0	
San Diego	Ralph W Chapman WRF	1.30	1.30	1.30																				1456							1456	
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	0.60	0.60	0.50												552								120							672	
San Diego	San Elijo WRF	3.70	3.70	3.70																				1690							1690	
San Diego	San Luis Rey WWTP	13.50	13.50	5.00																				550							550	
San Diego	San Vicente WWTP	0.80	0.80	0.80	0.80	0.02		0.60	0.30	0.60	0.02		1.20	0.35	0.80	0.02							340	340						680		
San Diego	Santa Maria WPCF	1.40	1.40	0.40				0.60	0.35				1.00	0.35									230	400	30					660		
San Diego	Skyline Ranch WRF	0.02	0.02																				28								28	
San Diego	South Bay WRF	15.00	15.00	13.50			8.64	8.44	6.43			9.43	9.21	7.13								1928		4722						6650		
San Diego	Valley Center WWTP																														0	
San Diego	Whispering Palms WPCF	0.40	0.40													448															448	
Ventura	Ahmanson Ranch																														0	
Ventura	Camarillo WRP	6.75	6.75	6.75			5.80	5.80	5.80			6.96	6.96	6.96															6493		6493	
Ventura	Camrosa WRF	1.50	1.50	1.50																				199	835						1034	
Ventura	Hill Canyon TP	14.00	14.00	14.00			11.00	11.00	11.00			11.00	11.00	11.00																	13586	
Ventura	Moorpark WWTP	3.00	3.00	3.00																				757							757	
Ventura	Oxnard WWTP/AWPF	40.00	40.00	20.00	20.00	4.38	40.00	40.00	20.00	20.00	4.38	40.00	40.00	20.00	20.00	4.38						10500		1750	5250					17500		
Ventura	Simi Valley WQCP	17.50	17.50	17.50			9.70	9.70	9.70			20.00	9.70	9.70										60				30			90	
Ventura	Tapia WRF	16.00	16.00	16.00																				1900			9131				11031	
Ventura	Ventura WWTP																														0	

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2025																																	
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																		
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total						
Inland Empire	Banning WWRP	5.50	5.50																																0
Inland Empire	Beaumont WWTP #1	4.00	4.00	4.00																					784									784	
Inland Empire	Big Bear Area RWA WWTF	4.90	4.90	1.90			1.90	1.90	1.90								1000								1068	32							2100		
Inland Empire	Carbon Canyon WRF	12.00	12.00	12.00			10.80					11.50												4168	300								4468		
Inland Empire	Chino Institution For Men	0.90	0.90	0.90																													0		
Inland Empire	Colton WWTP	9.75	9.75				7.60	7.60																									0		
Inland Empire	Corona WWTP #1	18.00	18.00	15.00			11.60	11.60	11.60							4479						63		1903	4867							11312			
Inland Empire	Corona WWTP #2	3.00	3.00				3.00	3.00				3.54	3.00									40			856							896			
Inland Empire	Corona WWTP #3	1.00	1.00				0.56	0.73				0.80	1.68									214		575								789			
Inland Empire	EVMWD-Alberhill	5.00	5.00				3.00	3.00																3362									3362		
Inland Empire	Grass Valley Wastewater Treatment Facility	5.00	5.00	3.60	1.50	0.40	3.00	3.00	3.00	1.50	0.08	6.00	6.00	6.00	1.50	0.08			1200					300								1500			
Inland Empire	Hemet/San Jacinto WRF	14.00	14.00				12.70	12.70								1000								2002	1900	4200						9102			
Inland Empire	Henry N. Wochoiz WWTP	8.00	8.00	8.00			5.00	5.00	5.00			5.00	5.00	5.00																		0			
Inland Empire	Horsethief Canyon	0.00	0.00				0.00	0.00																									0		
Inland Empire	IEUA Regional Plant #1	49.00	49.00	49.00			34.50					38.50				25900						4593		827								31320			
Inland Empire	IEUA Regional Plant #4	14.00	14.00	14.00			6.10					7.00				11532							180									11712			
Inland Empire	IEUA Regional Plant #5	15.00	15.00	15.00			10.50					12.70				8700						3432		340	4000							16472			
Inland Empire	Lake Elsinore Regional WWRF	8.00	8.00	8.00																		248		3681	200	600						4729			
Inland Empire	Lee Lake	2.30	2.30				1.30	1.30														130		900		35						1065			
Inland Empire	Moreno Valley WRF	18.00	18.00	18.00			18.60	18.60	18.60															4639	7013							11652			
Inland Empire	Perris Valley WRP	22.00	22.00	22.00			25.10	25.10	25.10															873	6900	2000						9778			
Inland Empire	Railroad Canyon WWRF	2.00	2.00	2.00			2.00	2.00	2.00															2219									2219		
Inland Empire	Redlands WWTP	9.00	9.00				4.20	4.20															6160		1507								7667		
Inland Empire	Regional Wastewater Reclamation Plant	16.00	16.00				12.70	12.70																		1120			13077				14197		
Inland Empire	Rialto WWTP	11.70	11.70	11.70																			1170		427								1597		
Inland Empire	Riverside Regional WQCP	52.60	52.60	52.60			42.00	42.00	42.00			46.00	46.00	46.00																6945			7361		
Inland Empire	RIX WRP			50.00																			2500		2500								5000		
Inland Empire	Running Springs	1.00	1.00																					503									503		
Inland Empire	San Bernardino WRP	40.00	40.00				34.40	34.40								19640	7000	5000						1500	4460								37600		
Inland Empire	Santa Rosa WRF	7.50	7.50	7.50	3.00	0.30	6.50	6.50	6.50	3.00	0.002	7.50	7.50	7.50	3.00	0.002								6500	9500								16000		
Inland Empire	Temecula Valley Regional WRF	23.00	23.00	23.00			17.00	17.00	17.00															4145	7350								11495		
Inland Empire	Western Riverside Co WWTP	16.10	16.10	16.10			13.40	13.40	13.40															5000									5000		
Inland Empire	Western Water Recycling Facility	5.00	5.00	5.00			3.60	3.60	3.60							2000																	4000		
Los Angeles	Burbank WRP	9.00	9.00	9.00																				1314		1871							3185		
Los Angeles	Donald C. Tillman WRP	80.00	80.00	80.00	16.80		67.80	57.50	57.50	16.80	3.30	80.00	80.00	80.00	16.80	3.30							256	-	2759	-	13468	-	1210			32701			
Los Angeles	Groundwater Reliability Improvement Program (GRIP)				48.32					48.32	7.25						46000																46000		
Los Angeles	Hyperion WWTP	450.00	450.00				363.00	363.00																									0		

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2025																																		
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																			
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total							
Los Angeles	Joint WPCP	400.00	400.00				301.50	301.50								428.00																	0			
Los Angeles	La Canada WRP	0.20	0.20				0.10	0.10								0.48																	116			
Los Angeles	Lake Hughes CWTF																																0			
Los Angeles	Lancaster WRP	26.00	26.00	26.00																													13806			
Los Angeles	Leo J. Vander Lans Treatment Facility				7.00																												6664			
Los Angeles	Long Beach WRP	25.00	25.00	25.00			17.84	17.84	17.84							34.20																		13867		
Los Angeles	Los Angeles/Glendale WRP	20.00	20.00	20.00			19.00	19.00	19.00																								20990	21280		
Los Angeles	Los Coyotes WRP	50.00	50.00	50.00																														6498		
Los Angeles	Malibu Mesa WRF																																	0		
Los Angeles	Malibu WPCP																																	0		
Los Angeles	Newhall Ranch WRP	6.80	6.80		1.00																													0		
Los Angeles	Palmdale WRP	22.40	22.40	22.40			22.40	22.40	22.40																									7042		
Los Angeles	Pomona WRP	15.00	15.00	15.00			9.49	9.49	9.49							14.43																			12414	
Los Angeles	San Jose Creek WRP	125.00	125.00	125.00																															37044	
Los Angeles	Saugus WRP	6.50	6.50	6.50			6.52	6.52	6.52							7.50																			0	
Los Angeles	Terminal Island WRP	30.00	30.00	30.00	5.00		16.00	16.00	16.00	5.00	1.00	16.00																							32480	
Los Angeles	Trancas WPCP																																		0	
Los Angeles	Valencia WRP	27.60	27.60	27.60	3.53																														8956	
Los Angeles	West Basin-Carson Regional WRP-Nitrification			5.90																															6608	
Los Angeles	West Basin-Carson Regional WRP-RO				17.50																														16660	
Los Angeles	West Basin WRP-Barrier Treat				17.50																														16800	
Los Angeles	West Basin WRP-Chevron Plant-Nitrification			1.30																																1456
Los Angeles	West Basin WRP-Chevron Plant-RO				4.30																															4094
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification			3.80																																4256
Los Angeles	West Basin WRP-Exxon Mobil-RO				3.20																															3584
Los Angeles	West Basin WRP-Edward C. Little WRF			50																																24559
Los Angeles	Whittier Narrows WRP	15.00	15.00	15.00			7.49	7.49	7.49							9.34	9.34	9.34																		7539
North Orange County	Green Acres Project			10.00																																6680

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2025																																					
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																						
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total										
North Orange County	Groundwater Replenishment System			132.19	117.65				132.19	117.65	17.65				132.19	117.65	17.65		77014				35000															112014	
North Orange County	Michelson WRP	18.00	18.00	18.00																																		10985	
North Orange County	OCSO Plant #1	303.60	303.60						138.00	138.00					303.60	303.60																						0	
North Orange County	OCSO Plant #2	168.00	168.00						144.00	144.00					316.80	316.80																						0	
South Orange County	3A Plant	6.00	6.00	2.40				3.50	3.50	2.20				6.00	6.00	2.40																						2464	
South Orange County	Chiquita WRP	9.00	9.00	7.50				8.50	8.50	6.50				12.50	12.50	7.50																						7280	
South Orange County	Coastal Treatment Plant	6.70	6.70	4.20	0.80			4.00	4.00	2.50	0.60	0.15		4.80	4.80	3.50	0.80	0.20																				3920	
South Orange County	El Toro WWTP	6.00	6.00	2.60				5.80	5.80	2.40				7.50	7.50	2.60																						2688	
South Orange County	Jay B Latham WWTP	13.00	13.00	7.00				12.00	12.00	6.00				15.00	15.00	7.00				3360																		6720	
South Orange County	Los Alisos WRP		7.50	7.10				6.00	5.50					7.20	6.00																							6160	
South Orange County	Nichols Water Reclamation Plant		0.09	0.04				0.02	0.02					0.04	0.04																							26	
South Orange County	Oso Creek WRP	3.00	3.00	3.00				2.75	2.75	2.75				2.75	2.75	2.75																						3097	
South Orange County	Regional Treatment Plant	13.00	13.00	11.40				12.00	12.00	8.50				15.00	15.00	10.50																							8961
South Orange County	Robinson Ranch WRP	1.30	1.30	1.30				1.20	1.20	1.20				1.30	1.30	1.30																							1344
South Orange County	San Clemente WRP	7.00	7.00	2.20																																			2660
San Diego	4-S Ranch WTP	2.00	2.00	2.00																																			1600
San Diego	Camp Pendleton WWTP #01																																					0	
San Diego	Camp Pendleton WWTP #02																																						1120
San Diego	Camp Pendleton WWTP #03																																						0
San Diego	Camp Pendleton WWTP #09	0.70	0.70	0.70																																			224
San Diego	Camp Pendleton WWTP #11																																						0
San Diego	Camp Pendleton WWTP #12																																						0
San Diego	Camp Pendleton WWTP #13																																						0
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant	5.00	5.00	5.00				5.00	5.00	5.00				5.00	5.00	5.00																							1008

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2025																																				
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																					
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total									
San Diego	Camp Pendleton-Southern Regional Tertiary Treatment Plant	3.25	3.25	3.25			2.71	2.71	2.71			3.25	3.25	3.25			1624																		1624			
San Diego	Carlsbad WRP			4.00	4.00				4.00	4.00	0.60			4.00	4.00	0.60																			2419			
San Diego	Chula Vista MBR Treatment Plant	4.00	4.00				4.00	4.00				4.00	4.00																									
San Diego	Encina WPCF	32.00	32.00																																0			
San Diego	Fairbanks Ranch WPCF	0.28	0.28	0.28													336																		336			
San Diego	Fallbrook Plant #1	2.70	2.70	2.70			2.00	2.00	2.00			2.50	2.50	2.50											160	320									480			
San Diego	Gafner WRF	2.00	2.00	2.00																				221	44										265			
San Diego	Hale Avenue WRF	21.00	21.00	12.00	6.00	0.90	23.00	23.00	18.00	6.00	0.90	21.00	21.00	10.00	6.00	0.90						3000		1000											4000			
San Diego	La Salina WWTP	5.50	5.50																																0			
San Diego	Lower Moosa Canyon WRF	0.44	0.44	0.44													360																		360			
San Diego	Meadowlark WRP	3.00	3.00	3.00																															3656			
San Diego	North City WRP	30.00	30.00	24.00	16.00	4.60	30.00	30.00	24.00	16.00	4.60	30.00	30.00	24.00	16.00	4.60								3108	548						99			28470				
San Diego	Padre Dam WRF	10.00	10.00	10.00	4.50		10.00	10.00	10.00	4.50	1.00	10.00	10.00	10.00	4.50	1.00		5000					3664												7800			
San Diego	Point Loma WWTP	240.00	150.00				172.00	150.00				349.00	150.00																						0			
San Diego	Ralph W Chapman WRF	1.30	1.30	1.30																																1456		
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	0.60	0.60	0.50													552																			672		
San Diego	San Elijo WRF	3.70	3.70	3.70																																1690		
San Diego	San Luis Rey WWTP	13.50	13.50	5.00																																550		
San Diego	San Vicente WWTP	0.80	0.80	0.80	0.80	0.02		0.60	0.30	0.60	0.02		1.20	0.35	0.80	0.02										340	340								680			
San Diego	Santa Maria WPCF	1.40	1.40	0.40				0.60	0.35				1.00	0.35													250	400	30						680			
San Diego	Skyline Ranch WRF	0.02	0.02																																	28		
San Diego	South Bay WRP	15.00	15.00	13.50			8.64	8.44	6.43			9.43	9.21	7.13																						6650		
San Diego	Valley Center WWTP																																			0		
San Diego	Whispering Palms WPCF	0.40	0.40														448																			448		
Ventura	Ahmanson Ranch																																			0		
Ventura	Camarillo WRP	6.75	6.75	6.75			6.20	6.20	6.20			7.44	7.44	7.44																						6942		
Ventura	Camrosa WRF	1.50	1.50	1.50																																	1034	
Ventura	Hill Canyon TP	14.00	14.00	14.00			11.00	11.00	11.00			11.00	11.00	11.00																							13586	
Ventura	Moorpark WWTP	3.00	3.00	3.00																																	757	
Ventura	Oxnard WWTP/AWPF	40.00	40.00	20.00	20.00	4.38	40.00	40.00	20.00	20.00	4.38	40.00	40.00	20.00	20.00	4.38																					17500	
Ventura	Simi Valley WQCP	17.50	17.50	17.50			9.70	9.70	9.70			20.00	9.70	9.70																							90	
Ventura	Tapia WRF	16.00	16.00	16.00																																		11031
Ventura	Ventura WWTP																																				0	

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2030																																	
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)																		
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total						
Inland Empire	Banning WWRP	5.50	5.50																															0	
Inland Empire	Beaumont WWTP #1	4.00	4.00	4.00																													784		
Inland Empire	Big Bear Area RWA WWTF	4.90	4.90	1.90			1.90	1.90	1.90								1500								784	568	32						2100		
Inland Empire	Carbon Canyon WRF	12.00	12.00	12.00			10.80					11.50													4168	300							4468		
Inland Empire	Chino Institution For Men	0.90	0.90	0.90																													0		
Inland Empire	Colton WWTP	9.75	9.75				8.20	8.20																									0		
Inland Empire	Corona WWTP #1	18.00	18.00	15.00			11.60	11.60	11.60																								11312		
Inland Empire	Corona WWTP #2	3.00	3.00				3.00	3.00				3.54	3.00										63		1903	4867							896		
Inland Empire	Corona WWTP #3	1.00	1.00				0.56	0.73				0.80	1.68										40		575	856							789		
Inland Empire	EVMWD-Alberhill	5.00	5.00				4.50	4.50																									5042		
Inland Empire	Grass Valley Wastewater Treatment Facility	5.00	5.00	3.60	1.50	0.40	3.00	3.00	3.00	1.50	0.08	6.00	6.00	6.00	1.50	0.08			1200														1500		
Inland Empire	Hemet/San Jacinto WRF	14.00	14.00				13.30	13.30																										9102	
Inland Empire	Henry N. Wochoiz WWTP	8.00	8.00	8.00			5.00	5.00	5.00			5.00	5.00	5.00																			0		
Inland Empire	Horsethief Canyon	0.00	0.00				0.00	0.00																									0		
Inland Empire	IEUA Regional Plant #1	49.00	49.00	49.00			34.50					38.50																						31320	
Inland Empire	IEUA Regional Plant #4	14.00	14.00	14.00			6.10					7.00																						11712	
Inland Empire	IEUA Regional Plant #5	15.00	15.00	15.00			10.50					12.70																						16472	
Inland Empire	Lake Elsinore Regional WWRF	8.00	8.00	8.00																														4729	
Inland Empire	Lee Lake	2.30	2.30				1.40	1.40																										1180	
Inland Empire	Moreno Valley WRF	18.00	18.00	18.00			18.90	18.90	18.90																									11652	
Inland Empire	Perris Valley WRP	22.00	22.00	22.00			26.60	26.60	26.60																									9778	
Inland Empire	Railroad Canyon WWRF	2.00	2.00	2.00			2.00	2.00	2.00																									2241	
Inland Empire	Redlands WWTP	9.00	9.00				4.20	4.20																										7667	
Inland Empire	Regional Wastewater Reclamation Plant	16.00	16.00				15.00	15.00																										16808	
Inland Empire	Rialto WWTP	11.70	11.70	11.70																															1597
Inland Empire	Riverside Regional WQCP	52.60	52.60	52.60			42.00	42.00	42.00			46.00	46.00	46.00																				7361	
Inland Empire	RIX WRP			50.00																															5000
Inland Empire	Running Springs	1.00	1.00																																503
Inland Empire	San Bernardino WRP	48.20	48.20				37.10	37.10																											41200
Inland Empire	Santa Rosa WRF	9.00	9.00	9.00	5.00	0.50	7.00	7.00	7.00	5.00	0.003	9.00	9.00	9.00	5.00	0.003	25500	8000																22000	
Inland Empire	Temecula Valley Regional WRF	23.00	23.00	23.00			18.00	18.00	18.00																										11495
Inland Empire	Western Riverside Co WWTP	16.10	16.10	16.10			15.00	15.00	15.00																										6000
Inland Empire	Western Water Recycling Facility	5.00	5.00	5.00			3.60	3.60	3.60																										4000
Los Angeles	Burbank WRP	9.00	9.00	9.00																															3185
Los Angeles	Donald C. Tillman WRP	80.00	80.00	80.00	16.80		69.10	58.60	58.60	16.80	3.30		80.00	80.00	16.80	3.30																			33027
Los Angeles	Groundwater Reliability Improvement Program (GRIP)				48.32					48.32	7.25																								46000
Los Angeles	Hyperion WWTP	450.00	450.00				368.00	368.00																											0

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2030																														
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)															
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total			
Los Angeles	Joint WPCP	400.00	400.00				301.50	301.50				428.00	428.00																		0	
Los Angeles	La Canada WRP	0.20	0.20				0.10	0.10				0.48	0.48																		116	
Los Angeles	Lake Hughes CWTF																														0	
Los Angeles	Lancaster WRP	26.00	26.00	26.00																			1100	6515	6191						13806	
Los Angeles	Leo J. Vander Lans Treatment Facility				7.00				7.00	1.05				7.00	1.05						6664										6664	
Los Angeles	Long Beach WRP	25.00	25.00	25.00			17.84	17.84	17.84			34.20	34.20	34.20																		13867
Los Angeles	Los Angeles/Glendale WRP	20.00	20.00	20.00			20.00	20.00	20.00													290								22110	22400	
Los Angeles	Los Coyotes WRP	50.00	50.00	50.00																		1289	5189	20							6498	
Los Angeles	Malibu Mesa WRF																														0	
Los Angeles	Malibu WPCP																														0	
Los Angeles	Newhall Ranch WRP	6.80	6.80		1.00																										0	
Los Angeles	Palmdale WRP	22.40	22.40	22.40			22.40	22.40	22.40																							7042
Los Angeles	Pomona WRP	15.00	15.00	15.00			9.49	9.49	9.49			14.43	14.43	14.43							3408		88		7641	1277						12414
Los Angeles	San Jose Creek WRP	125.00	125.00	125.00																	23629		201		12894	119		201			37044	
Los Angeles	Saugus WRP	6.50	6.50	6.50			6.52	6.52	6.52			7.50	7.50	7.50																	0	
Los Angeles	Terminal Island WRP	30.00	30.00	30.00	5.00		16.00	16.00	16.00	5.00	1.00	16.00	16.00	16.00	5.00	1.00														26880	32480	
Los Angeles	Trancas WPCP																															0
Los Angeles	Valencia WRP	27.60	27.60	27.60	3.53																											8956
Los Angeles	West Basin-Carson Regional WRP-Nitrification			5.90																												6608
Los Angeles	West Basin-Carson Regional WRP-RO				17.50																											16660
Los Angeles	West Basin WRP-Barrier Treat				17.50																											16800
Los Angeles	West Basin WRP-Chevron Plant-Nitrification			1.30					1.30																							1456
Los Angeles	West Basin WRP-Chevron Plant-RO				4.30																											4094
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification			3.80																												4256
Los Angeles	West Basin WRP-Exxon Mobil-RO				3.20																											3584
Los Angeles	West Basin WRP-Edward C. Little WRF			50																												24559
Los Angeles	Whittier Narrows WRP	15.00	15.00	15.00			7.49	7.49	7.49			9.34	9.34	9.34																		7539
North Orange County	Green Acres Project			10.00																												6680

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2030																													
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)														
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total		
North Orange County	Groundwater Replenishment System			132.19	117.65			132.19	117.65	17.65			132.19	117.65	17.65		77014				35000										112014
North Orange County	Michelson WRP	18.00	18.00	18.00																			9200	1785						10985	
North Orange County	OCS D Plant #1	330.00	330.00				150.00	150.00				330.00	330.00																	0	
North Orange County	OCS D Plant #2	168.00	168.00				144.00	144.00				316.80	316.80																	0	
South Orange County	3A Plant	6.00	6.00	2.40			3.50	3.50	2.20			6.00	6.00	2.40										2464						2464	
South Orange County	Chiquita WRP	13.00	13.00	13.00			9.00	9.00	8.00			13.00	13.00	13.00									8960							8960	
South Orange County	Coastal Treatment Plant	6.70	6.70	4.20	0.80		4.00	4.00	2.50	0.60	0.15	4.80	4.80	3.50	0.80	0.20							3920							3920	
South Orange County	El Toro WWTP	6.00	6.00	2.60			5.80	5.80	2.40			7.50	7.50	2.60									2688							2688	
South Orange County	Jay B Latham WWTP	13.00	13.00	7.00			12.50	12.50	7.00			16.00	16.00	7.00					3920				3920							7840	
South Orange County	Los Alisos WRP		7.50	7.10				6.00	5.50				7.20	6.00									6160							6160	
South Orange County	Nichols Water Reclamation Plant		0.09	0.04				0.02	0.02				0.04	0.04									26							26	
South Orange County	Oso Creek WRP	3.00	3.00	3.00			2.75	2.75	2.75			2.75	2.75	2.75									3080				17			3097	
South Orange County	Regional Treatment Plant	13.00	13.00	11.40			12.00	12.00	8.50			15.00	15.00	10.50									8961							8961	
South Orange County	Robinson Ranch WRP	1.30	1.30	1.30			1.20	1.20	1.20			1.30	1.30	1.30									1344							1344	
South Orange County	San Clemente WRP	7.00	7.00	2.20																			2660							2660	
San Diego	4-S Ranch WTP	2.00	2.00	2.00																			1600							1600	
San Diego	Camp Pendleton WWTP #01																													0	
San Diego	Camp Pendleton WWTP #02																									1120				1120	
San Diego	Camp Pendleton WWTP #03																													0	
San Diego	Camp Pendleton WWTP #09	0.70	0.70	0.70													224													224	
San Diego	Camp Pendleton WWTP #11																													0	
San Diego	Camp Pendleton WWTP #12																													0	
San Diego	Camp Pendleton WWTP #13																													0	
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant	5.00	5.00	5.00			5.00	5.00	5.00			5.00	5.00	5.00			1008													1008	

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2030																													
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)														
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total		
San Diego	Camp Pendleton-Southern Regional Tertiary Treatment Plant	3.25	3.25	3.25			2.71	2.71	2.71			3.25	3.25	3.25			1624														1624
San Diego	Carlsbad WRP			4.00	4.00				4.00	4.00	0.60			4.00	4.00	0.60								2319	100					2419	
San Diego	Chula Vista MBR Treatment Plant	4.00	4.00				4.00	4.00				4.00	4.00																		
San Diego	Encina WPCF	32.00	32.00																											0	
San Diego	Fairbanks Ranch WPCF	0.28	0.28	0.28													336													336	
San Diego	Fallbrook Plant #1	2.70	2.70	2.70			2.00	2.00	2.00			2.50	2.50	2.50									160	320					480		
San Diego	Gafner WRF	2.00	2.00	2.00																		221	44						265		
San Diego	Hale Avenue WRF	24.00	24.00	18.00	9.00	1.35	24.00	24.00	18.00	9.00	1.35	21.00	21.00	10.00	9.00	1.35						3000	1000						4000		
San Diego	La Salina WWTP	5.50	5.50																										0		
San Diego	Lower Moosa Canyon WRF	0.44	0.44	0.44													360												360		
San Diego	Meadowlark WRP	3.00	3.00	3.00																			3108	548					3656		
San Diego	North City WRF	30.00	30.00	24.00	16.00	4.60	30.00	30.00	24.00	16.00	4.60	30.00	30.00	24.00	16.00	4.60			18000			3664	6707			99			28470		
San Diego	Padre Dam WRF	10.00	10.00	10.00	4.50		10.00	10.00	10.00	4.50	1.00	10.00	10.00	10.00	4.50	1.00		5000					2240				560		7800		
San Diego	Point Loma WWTP	240.00	150.00				160.00	150.00				349.00	150.00																0		
San Diego	Ralph W Chapman WRF	1.30	1.30	1.30																			1456						1456		
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	0.60	0.60	0.50													552						120						672		
San Diego	San Elijo WRF	3.70	3.70	3.70																			1690						1690		
San Diego	San Luis Rey WWTP	13.50	13.50	5.00																			550						550		
San Diego	San Vicente WWTP	0.80	0.80	0.80	0.80	0.02		0.60	0.30	0.60	0.02		1.20	0.35	0.80	0.02							340	340					680		
San Diego	Santa Maria WPCF	1.50	1.50	1.50				0.60	0.35				1.00	0.35									250	400	30				680		
San Diego	Skyline Ranch WRF	0.02	0.02																				28						28		
San Diego	South Bay WRP	36.00	36.00	13.50			8.64	8.44	6.43			9.43	9.21	7.13								1928	4722						6650		
San Diego	Valley Center WWTP																												0		
San Diego	Whispering Palms WPCF	0.40	0.40														448												448		
Ventura	Ahmanson Ranch																												0		
Ventura	Camarillo WRP	6.75	6.75	6.75			6.75	6.75	6.75			8.00	8.00	8.00															7557		
Ventura	Camrosa WRF	1.50	1.50	1.50																			199	835					1034		
Ventura	Hill Canyon TP	14.00	14.00	14.00			11.00	11.00	11.00			11.00	11.00	11.00											13586				13586		
Ventura	Moorpark WWTP	3.00	3.00	3.00																			757						757		
Ventura	Oxnard WWTP/AWPF	40.00	40.00	20.00	20.00	4.38	40.00	40.00	20.00	20.00	4.38	40.00	40.00	20.00	20.00	4.38					10500		1750	5250					17500		
Ventura	Simi Valley WQCP	17.50	17.50	17.50			9.70	9.70	9.70			20.00	9.70	9.70									60			30			90		
Ventura	Tapia WRF	16.00	16.00	16.00																			1900		9131				11031		
Ventura	Ventura WWTP																												0		

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2035																					Ultimate Build-out															
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)											Treatment Capacity (MGD)					Year of Build Out					
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total	Primary	Secondary	Tertiary		Advanced (RO)	Brine-Concentrate Treatment	Avg. Brine-Concentrate Flow	Max. Brine-Concentrate Flow	
Inland Empire	Banning WWRP	7.50	6.00																									0	7.50	6.00								
Inland Empire	Beaumont WWTP #1	8.00	8.00	8.00																			784					784	8.00	8.00	8.00							
Inland Empire	Big Bear Area RWA WWTF	4.90	4.90	1.90	1.90	0.29	1.90	1.90	1.90	1.90	0.06	1.90	1.90	1.90	1.90	0.06	1500											2100	4.90	4.90	1.90	1.90	0.29	0.06	0.06			
Inland Empire	Carbon Canyon WRF	20.00	20.00	20.00			10.80					11.50					4371						7150	300			80	11901	20.00	20.00	20.00							
Inland Empire	Chino Institution For Men	0.90	0.90	0.90																								0	0.90	0.90	0.90							
Inland Empire	Colton WWTP	9.75	9.75				8.20	8.20																				0	9.75	9.75								
Inland Empire	Corona WWTP #1	18.00	18.00	15.00			11.60	11.60	11.60							10250							2250	68				12568	18.00	18.00	15.00							
Inland Empire	Corona WWTP #2	3.00	3.00	3.00			3.00	3.00				3.54	3.00										1650	106				1756	3.00	3.00	3.00							
Inland Empire	Corona WWTP #3	3.00	3.00	3.00			0.56	0.73				0.80	1.68									214	575					789	3.00	3.00	3.00							
Inland Empire	EVMWD-Alberhill	5.00	5.00				4.50	4.50															5042					5042	5.00	5.00								
Inland Empire	Grass Valley Wastewater Treatment Facility	5.00	5.00	3.60	1.50	0.40	3.00	3.00	3.00	1.50	0.08	6.00	6.00	6.00	1.50	0.08		1200					300					1500	5.00	5.00	3.60	1.50	0.40	0.08	0.08	2030		
Inland Empire	Hemet/San Jacinto WRF	27.00	27.00	27.00			13.30	13.30								1000							4150	1900	4500			11550	27.00	27.00	27.00							
Inland Empire	Henry N. Wochoiz WWTP	8.00	8.00	8.00			5.00	5.00	5.00			5.00	5.00	5.00														0	8.00	8.00	8.00							
Inland Empire	Horsethief Canyon	0.00	0.00				0.00	0.00																				0	0.00	0.00								
Inland Empire	IEUA Regional Plant #1	70.00	70.00	70.00												30500							9835					40335	70.00	70.00	70.00							
Inland Empire	IEUA Regional Plant #4	35.00	35.00	35.00												24543						3432	2701					30676	35.00	35.00	35.00							
Inland Empire	IEUA Regional Plant #5	30.00	30.00	30.00												11300							2893	7298				21739	30.00	30.00	30.00							
Inland Empire	Lake Elsinore Regional WWRF	16.00	16.00	16.00																			4604		600			5204	16.00	16.00	16.00							
Inland Empire	Lee Lake	2.30	2.30				1.40	1.40														140	1000		40			1180	2.30	2.30								
Inland Empire	Moreno Valley WRF	32.00	32.00	32.00																			6408	10521				16929	32.00	32.00	32.00							
Inland Empire	Perris Valley WRP	60.00	60.00	60.00												3360							4002	10061	2000		5	19428	60.00	60.00	60.00							
Inland Empire	Railroad Canyon WWRF	2.00	2.00	2.00			2.00	2.00	2.00														6160	530				6690	2.00	2.00	2.00							
Inland Empire	Redlands WWTP	9.00	9.00				4.20	4.20															1256	1950				3206	9.00	9.00								
Inland Empire	Regional Wastewater Reclamation Plant	16.00	16.00				15.00	15.00																	1120	15688		16808	16.00	16.00								
Inland Empire	Rialto WWTP	15.70	15.70	15.70																								2639	15.70	15.70	15.70							
Inland Empire	Riverside Regional WQCP	52.60	52.60	52.60			42.00	42.00	42.00			46.00	46.00	46.00												6945		7361	52.60	52.60	52.60							
Inland Empire	RIX WRP			50.00																			9000					9000			50.00							
Inland Empire	Running Springs	1.00	1.00																				503					503	1.00	1.00								
Inland Empire	San Bernardino WRP	60.00	60.00				45.00	45.00								30000	10000	5000				1500						50000	60.00	60.00								
Inland Empire	Santa Rosa WRF	9.00	9.00	9.00	5.00	0.50	7.50	7.50	7.50	5.00	0.003	9.00	9.00	9.00	5.00	0.003							7000	15000				22000	9.00	9.00	9.00	7.00	0.70	0.005	0.005	2050		
Inland Empire	Temecula Valley Regional WRF	45.00	45.00	45.00																			6173	9106				15279	45.00	45.00	45.00							
Inland Empire	Western Riverside Co WWTP	16.00	16.00	16.00			15.00	15.00	15.00														6000					6000	16.00	16.00	16.00							
Inland Empire	Western Water Recycling Facility	5.00	5.00	5.00			3.60	3.60	3.60							2000								2000					4000	5.00	5.00	5.00						
Los Angeles	Burbank WRP	15.00	15.00	15.00																			9450	4219				13669	15.00	15.00	15.00							
Los Angeles	Donald C. Tillman WRP	80.00	80.00	80.00	16.80		70.40	59.70	59.70	16.80	3.30	80.00	80.00	80.00	16.80	3.30	15008						266	-	2862	-	13969	-	1255	33360	80.00	80.00	80.00	16.80		3.30	3.30	
Los Angeles	Groundwater Reliability Improvement Program (GRIP)				48.32																							46000				48.32				7.25	7.25	
Los Angeles	Hyperion WWTP	550.00	550.00				375.00	375.00																				0	550.00	550.00								

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2035																						Ultimate Build-out													
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)							Treatment Capacity (MGD)					Year of Build Out								
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)		Total	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Treatment	Avg. Brine-Concentrate Flow	Max. Brine-Concentrate Flow
Los Angeles	Joint WPCP	400.00	400.00				301.50	301.50			428.00	428.00																0	400.00	400.00							2010
Los Angeles	La Canada WRP	0.20	0.20				0.10	0.10			0.48	0.48											116					116	0.20	0.20							
Los Angeles	Lake Hughes CWTF																											0									
Los Angeles	Lancaster WRP	26.00	26.00	26.00																			1100	6515	6191			13806	26.00	26.00	26.00						2020
Los Angeles	Leo J. Vander Lans Treatment Facility				7.00				7.00	1.05				8.00	1.20					7616								7616				7.00		1.05	1.20		
Los Angeles	Long Beach WRP	25.00	25.00	25.00			17.84	17.84	17.84		34.20	34.20	34.20						1755		1177		10935					13867	25.00	25.00	25.00						
Los Angeles	Los Angeles/Glendale WRP	50.00	50.00	50.00			21.00	21.00	21.00													290				23230	23520	50.00	50.00	50.00							
Los Angeles	Los Coyotes WRP	50.00	50.00	50.00																		1289	5189	20			6498	50.00	50.00	50.00						2010	
Los Angeles	Malibu Mesa WRF																										0										
Los Angeles	Malibu WPCP																										0										
Los Angeles	Newhall Ranch WRP	6.80	6.80		1.00					1.00	0.15			1.00	0.15												0	6.80	6.80		1.00		0.15	0.15			
Los Angeles	Palmdale WRP	22.40	22.40	22.40			22.40	22.40	22.40															7042			7042	22.40	22.40	22.40							2025
Los Angeles	Pomona WRP	15.00	15.00	15.00			9.49	9.49	9.49		14.43	14.43	14.43			3408					88	7641	1277				12414	15.00	15.00	15.00							
Los Angeles	San Jose Creek WRP	125.00	125.00	125.00												23629					201	37394	119		201		61544	125.00	125.00	125.00						2010	
Los Angeles	Saugus WRP	6.50	6.50	6.50			6.52	6.52	6.52		7.50	7.50	7.50														0	6.50	6.50	6.50							
Los Angeles	Terminal Island WRP	30.00	30.00	30.00	5.00		16.00	16.00	16.00	5.00	1.00	16.00	16.00	16.00	5.00	1.00				5600						26880	32480	30.00	30.00	30.00	5.00		1.00	1.00			
Los Angeles	Trancas WPCP																										0										
Los Angeles	Valencia WRP	27.60	27.60	27.60	3.53					3.53	0.53			3.53	0.53								8956				8956	27.60	27.60	27.60	3.53		0.53	0.53		2015	
Los Angeles	West Basin-Carson Regional WRP-Nitrification			5.90						5.90												6608					6608					5.90					
Los Angeles	West Basin-Carson Regional WRP-RO				17.50				17.50	2.63			17.50	2.63								16660					16660				17.50		2.63	2.63			
Los Angeles	West Basin WRP-Barrier Treat				7.50				17.50	2.63			17.50	2.63				16800		4816							21616				17.50		2.63	2.63			
Los Angeles	West Basin WRP-Chevron Plant-Nitrification			1.30					1.30				1.30									1456					1456					1.30					
Los Angeles	West Basin WRP-Chevron Plant-RO				4.30				4.30	0.65			4.30	0.65								4094					4094				4.30		0.65	0.65			
Los Angeles	West Basin WRP-Exxon Mobil-Nitrification			3.80					3.80				3.80									4256					4256					3.80					
Los Angeles	West Basin WRP-Exxon Mobil-RO				3.20				3.20	0.48			3.20	0.48								3584					3584				3.20		0.48	0.48			
Los Angeles	West Basin WRP-Edward C. Little WRF			50					50				50									11918		12641			24559				50						
Los Angeles	Whittier Narrows WRP	15.00	15.00	15.00			7.49	7.49	7.49		9.34	9.34	9.34			4626							2913				7539	15.00	15.00	15.00							
North Orange County	Green Acres Project			10.00					7.00				10.00									2280		4400			6680			10.00						2008	

**Wastewater Treatment Plant
Facility and Flow Information**

Facility Information		Planning Year 2035																				Ultimate Build-out																	
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)										Treatment Capacity (MGD)					Year of Build Out							
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total	Primary	Secondary		Tertiary	Advanced (RO)	Brine-Concentrate Treatment	Avg. Brine-Concentrate Flow	Max. Brine-Concentrate Flow		
North Orange County	Groundwater Replenishment System			171.80	153.00				171.80	153.00	23.00			171.80	153.00	23.00		110618			35000									145618			171.80	153.00		23.00	23.00	ULT	
North Orange County	Michelson WRP	33.00	33.00	33.00																									18500	18500	33.00	33.00	33.00						
North Orange County	OCSO Plant #1	330.00	330.00						150.00	150.00				330.00	330.00														0	235.00	235.00							2070	
North Orange County	OCSO Plant #2	168.00	168.00						144.00	144.00				316.80	316.80														0	168.00	168.00							2070	
South Orange County	3A Plant	6.00	6.00	2.40				3.50	3.50	2.20			6.00	6.00	2.40									3534		105			3639	6.00	6.00	2.40						2030	
South Orange County	Chiquita WRP	13.00	13.00	13.00				12.50	12.50	12.00			15.60	15.60	13.00												850	14290	13.00	13.00	13.00							2030	
South Orange County	Coastal Treatment Plant	6.70	6.70	4.20	0.80			4.00	4.00	2.50	0.60	0.15	4.80	4.80	3.50	0.80	0.20							3920				3920	6.70	6.70	4.20	0.60		0.15	0.20		2025		
South Orange County	El Toro WWTP	6.00	6.00	2.60				5.80	5.80	2.40			7.50	7.50	2.60													2688	2688	6.00	6.00	2.60						2020	
South Orange County	Jay B Latham WWTP	13.00	13.00	7.00				12.50	12.50	7.00			16.00	16.00	7.00				3920									7840	13.00	13.00	7.00						2030		
South Orange County	Los Alisos WRP		7.50	7.10					6.00	5.50				7.20	6.00									6160				6160		7.50	7.10								
South Orange County	Nichols Water Reclamation Plant		0.09	0.04					0.02	0.02				0.04	0.04													26	26		0.09	0.04						1990	
South Orange County	Oso Creek WRP	3.00	3.00	3.00				2.75	2.75	2.75			2.75	2.75	2.75											17	3097	3.00	3.00	3.00							1989		
South Orange County	Regional Treatment Plant	13.00	13.00	11.40				12.00	12.00	8.50			15.00	15.00	10.50									8961				8961	13.00	13.00	11.40							2025	
South Orange County	Robinson Ranch WRP	1.30	1.30	1.30				1.20	1.20	1.20			1.30	1.30	1.30													1344	1344	1.30	1.30	1.30							2020
South Orange County	San Clemente WRP	7.00	7.00	2.20																								2660	2660	7.00	7.00	2.20							
San Diego	4-S Ranch WTP	2.00	2.00	2.00																								1800	1800	2.00	2.00	2.00							
San Diego	Camp Pendleton WWTP #01																											0											
San Diego	Camp Pendleton WWTP #02																												1344	1344									
San Diego	Camp Pendleton WWTP #03																												0										
San Diego	Camp Pendleton WWTP #09	0.70	0.70	0.70													392												392	0.70	0.70	0.70							
San Diego	Camp Pendleton WWTP #11																												0										
San Diego	Camp Pendleton WWTP #12																												0										
San Diego	Camp Pendleton WWTP #13																												0										
San Diego	Camp Pendleton-Northern Regional Tertiary Treatment Plant	5.00	5.00	5.00				5.00	5.00	5.00			5.00	5.00	5.00		2016												2016	5.00	5.00	5.00							

Wastewater Treatment Plant
Facility and Flow Information

Facility Information		Planning Year 2035																							Ultimate Build-out													
Region	Treatment Facility Name	Treatment Capacity (MGD)					Average Daily Flow (MGD)					Maximum Daily Flow (MGD)					Recycled Water Usage (AFY)								Treatment Capacity (MGD)					Year of Build Out								
		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Flow	GW Recharge (Non-RO)	GW Recharge (RO)	Reservoir Augmentation (RO)	Seawater Intrusion Barrier (Non-RO)	Seawater Intrusion Barrier (RO)	Industrial (Non-RO)	Industrial (RO)	Landscape Irrigation	Agriculture Irrigation	Environmental/Habitat Uses	Construction/ Dust Control	Miscellaneous/ Other (Specify in Comment)	Total		Primary	Secondary	Tertiary	Advanced (RO)	Brine-Concentrate Treatment	Avg. Brine-Concentrate Flow	Max. Brine-Concentrate Flow	
San Diego	Camp Pendleton-Southern Regional Tertiary Treatment Plant	6.00	6.00	6.00			5.00	5.00	5.00			6.00	6.00	6.00			2016													2016	6.00	6.00	6.00					
San Diego	Carlsbad WRP			16.00	16.00				16.00	16.00	2.40			16.00	16.00	2.40								2607	100					2707			16.00	16.00		2.40	2.40	
San Diego	Chula Vista MBR Treatment Plant	4.00	4.00				4.00	4.00				4.00	4.00																	4.00	4.00							2025
San Diego	Encina WPCF	36.00	36.00																										0	36.00	36.00							
San Diego	Fairbanks Ranch WPCF	0.28	0.28	0.28													336												336	0.28	0.28	0.28						
San Diego	Fallbrook Plant #1	4.60	4.60	2.00			2.00	2.00	2.00			2.50	2.50	2.50									280	320					600	4.60	4.60	2.00						
San Diego	Gafner WRF	2.00	2.00	2.00																			221	44					265	2.00	2.00	2.00						
San Diego	Hale Avenue WRF	23.00	23.00	18.00	9.00	1.35	26.00	26.00	20.00	9.00	1.35	21.00	21.00	10.00	9.00	1.35							3355	2787					6142	26.00	26.00	18.00	9.00	1.35	1.35	1.35	2030	
San Diego	La Salina WWTP	5.50	5.50																									0	5.50	5.50								
San Diego	Lower Moosa Canyon WRF	1.00	1.00	1.00													490											490	1.00	1.00	1.00							
San Diego	Meadowlark WRF	3.00	3.00	3.00																									5898	3.00	3.00	3.00						
San Diego	North City WRF	30.00	30.00	24.00	16.00	4.60	30.00	30.00	24.00	16.00	4.60	30.00	30.00	24.00	16.00	4.60							2040						28470	30.00	30.00	24.00	16.00	4.60	4.60	4.60	2030	
San Diego	Padre Dam WRF	10.00	10.00	10.00	4.50		10.00	10.00	10.00	4.50	1.00	10.00	10.00	10.00	4.50	1.00		5000											7800	10.00	10.00	10.00	4.50		1.00	1.00	2020	
San Diego	Point Loma WWTP	240.00	150.00				170.00	150.00				349.00	150.00																0	240.00								2022
San Diego	Ralph W Chapman WRF	1.30	1.30	1.30																			1456						1456	1.30	1.30	1.30						
San Diego	Rancho Santa Fe WPCF/Santa Fe Valley WRF	0.80	0.80	0.50													696												896	0.80	0.80	0.50						
San Diego	San Elijo WRF	3.70	3.70	3.70																									2120	3.70	3.70	3.70						
San Diego	San Luis Rey WWTP	17.40	17.40	10.00																									1500	17.40	17.40	10.00						
San Diego	San Vicente WWTP	0.80	0.80	0.80	0.80	0.02		0.60	0.30	0.60	0.02		1.20	0.35	0.80	0.02													680	0.80	0.80	0.80	0.60	0.02	0.02	0.02		
San Diego	Santa Maria WPCF	1.80	1.80	1.80				0.60	0.35				1.00	0.35															680	1.80	1.80	1.80						
San Diego	Skyline Ranch WRF	0.02	0.02																										28	0.02	0.02							
San Diego	South Bay WRF	36.00	36.00	13.50			8.64	8.44	6.43														1928						6650	21.00	21.00	15.00						2045
San Diego	Valley Center WWTP																												0								2045	
San Diego	Whispering Palms WPCF	0.40	0.40	0.40													448												896	0.40	0.40	0.40						
Ventura	Ahmanson Ranch	1.50	1.50	1.50	1.50		1.50	1.50	1.50	1.50	0.23	1.50	1.50	1.50	1.50	0.23													714	1.50	1.50	1.50	1.50		0.23	0.23		
Ventura	Camarillo WRP	6.75	6.75	6.75			6.75	6.75	6.75			8.00	8.00	8.00															5264	6.75	6.75	6.75						
Ventura	Camrosa WRF	2.50	2.50	2.50																									1381	2.50	2.50	2.50						2035
Ventura	Hill Canyon TP	14.00	14.00	14.00			11.00	11.00	11.00			11.00	11.00	11.00															13586	14.00	14.00	14.00						
Ventura	Moorpark WWTP	5.00	5.00	3.00																									1322	5.00	5.00	3.00						
Ventura	Oxnard WWTP/AWPF	40.00	40.00	30.00	30.00	6.56	40.00	40.00	30.00	30.00	6.56	40.00	40.00	30.00	30.00	6.56													26250	40.00	40.00	30.00	30.00	6.56	6.56	6.56		
Ventura	Simi Valley WQCP	17.50	17.50	17.50			9.70	9.70	9.70			20.00	9.70	9.70															4788	17.50	17.50	17.50						
Ventura	Tapia WRF	16.00	16.00	16.00																									11031	16.00	16.00	16.00						
Ventura	Ventura WWTP																												0									

Attachment C.3 – Industrial Discharger Data

Industrial Discharger Data or Send Existing Information
in Excel (e.g. Pretreatment Program Documentation)

Receiving Facility (s)					Discharger Information				Type of Discharger (Place X)						
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Owner	Location	Pretreatment (Note type and purpose)	Note any discharge limitations or permit requirements	Biotech	Pharmaceutical	Manufacturing	Utilities	Medical	Hospitality (Hotels, Convention Centers)	Other (Specify)
Inland Empire	City of Corona		Sewer		Frontier Aluminum I 2480 Railroad Street , Corona	Area 1	Clarifier to remove oils and solids	Chloride, Chromium, Cyanide, Fluoride, Sodium, Sulfate, TSS, Zinc			X				
Inland Empire	City of Corona		Sewer		West Coast Porcelain 133 No. Sherman, Corona, Ca	Area 1	Zero Discharge Categorical	Submit Zero Discharge Certification and Hauler Manifests			X				
Inland Empire	City of Corona		Sewer		U.S. Battery Mfg. 1675 Sampson Ave. Corona, Ca	Area 2	Metals Precipitation, pH adjustment	Chloride, Copper, Hardness, Lead, Sodium, Sulfate, Sulfide, TSS			X				
Inland Empire	City of Corona		Sewer		Circor Aerospace 2301 Wardlow Cr. Corona, Ca	Area 1	Zero Discharge Categorical	Submit Zero Discharge Certification and Hauler Manifests			X				
Inland Empire	City of Corona		Sewer		Corona Regional Medical Center 800 So. Main St. Corona, Ca	Area 1	Silver Recovery for X-Ray processing	Boron, Chloride, Fluoride, Hardness, Silver, Sodium, Sulfate, TSS					X		
Inland Empire	City of Corona		Sewer		Natures Specialties 325 Joy St. Corona, Ca	Area 2	Zero Discharge Categorical	Submit Zero Discharge Certification and Hauler Manifests			X				
Inland Empire	City of Corona		Sewer		Chemical Consultants 1850 Wid Turkey Cr. Corona, Ca	Area 1	Clarifier to remove oils and solids	Chloride, O&G, Phenol, Na, Sulfate, Surfactants, TSS			X				
Inland Empire	City of Corona		Sewer		Cosmedx Science 475 No. Sheridan Ave. Corona, Ca	Area 1	Clarifier to remove oils and solids	Chloride, O&G, Na, Sulfate, Sulfide, Surfactants, TSS			X				
Inland Empire	City of Corona		Sewer		Uniweb 222 Promenade Ave. Corona, Ca	Area2	Zero Discharge Categorical	Submit Zero Discharge Certification and Hauler Manifests			X				
Inland Empire	City of Corona		Sewer		Jayco Interface Technology 1351 Pico St. Corona, Ca	Area 2	None	Chromium, Copper, Fluoride, O&G, Silver, Zinc			X				
Inland Empire	City of Corona		Sewer		Essential Flavors & Fragrances 1521 Commerce St. Corona, Ca	Area 1	None	Hardness, Na, Sulfate, TSS			X				
Inland Empire	City of Corona		Sewer		Frontier Aluminum II 1990 Railroad St. Corona, Ca	Area 1	Zero Discharge Categorical	Submit Zero Discharge Certification and Hauler Manifests			X				
Inland Empire	City of Corona		Sewer		Laminated Shim Company 1351 Pico St. Corona, Ca	Area 2	Clarifier to remove oils and solids	Cadmium, Chromium, Copper, Cyanide, Lead, Nickel, O&G, Silver, Zinc			X				
Inland Empire	City of Corona		Sewer		Arvinyl Metal Laminates 1351 Pico St. Corona, Ca	Area 1	Clarifier to remove oils and solids	Cadmium,Chloride, Chromium,Copper, Cyanide, Lead, Nickel, Silver, Sulfate, Zinc			X				
Inland Empire	City of Corona		Sewer		Corona Cogen Plant 2205 Railroad	Corona	Clarification	Chromium, Copper, TTO's 126 Priority Pollutants				X			
Inland Empire	City of Corona		Sewer		Dart Container 150 S. Maple	Corona	Clarification	Temp.,TDS, Oil & Grease, Chloride, Fluoride, Sodium, Sulfate			X				
Inland Empire	City of Corona		Sewer		Unilever 1930 California	Corona	Clarification	Boron, Oil & Grease, TDS			X				
Inland Empire	City of Corona		Sewer		Hayden 1521 Pomona Road	Corona	Filters	Copper, Lead, Oil & Grease, Sodium, Sulfate, TDS			X				
Inland Empire	City of Corona		Sewer		White Mountain 455 N. Smith	Corona	Filters	Boron, Hardness, Sodium, Sulfate, TDS			X				
Inland Empire	City of Corona		Sewer		Nasco 1161 Olympic	Corona	Clarification	BOD, Chloride, Oil & Grease, Sodium, TDS, TSS			X				
Inland Empire	City of Corona		Sewer		Myers 725 E. Harrison	Corona	Clarification	Cadmium, Chloride, Chromium, Copper, Cyanide, Lead, Nickel, Silver, Sodium, Sulfate, TDS, TTO's, Zinc			X				

Industrial Discharger Data or Send Existing Information
in Excel (e.g. Pretreatment Program Documentation)

Receiving Facility (s)					Discharger Information				Type of Discharger (Place X)						
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Owner	Location	Pretreatment (Note type and purpose)	Note any discharge limitations or permit requirements	Biotech	Pharmaceutical	Manufacturing	Utilities	Medical	Hospitality (Hotels, Convention Centers)	Other (Specify)
Inland Empire	City of Corona		Sewer		Talco Plastics 1000 W. Rincon	Corona	Clarification	Sulfate, TDS, TSS, Zinc			X				
Inland Empire	City of Corona		Sewer		Shell Station 4723 W. Green River	Corona	Filters	TTO's Volatile Fuel Hydrocarbons							X
Inland Empire	City of Corona		Sewer		TRM 1433 E. 6th St	Corona	None	TDS, Hardness, Chloride, Sodium, Sulfate			X				
Inland Empire	City of Corona		Sewer		Kaiser 1850 California	Corona	None	Boron, Chloride, Sodium, Sulfate, TDS, TSS							X
Inland Empire	City of Corona		Sewer		Sun Rich Foods 515 Rincon St	Corona	Filters and Clarification	BOD, Chloride, Harness, Sodium, TDS, TSS, Sodium, Sulfate, Zinc			X				
Inland Empire	City of Corona		Sewer		Eibach Springs 264 Mariah Circle	Corona	Clarification	Cadmium, Chloride, Chromium, Copper, Cyanide, Lead, Nickel, Silver, Sodium, Sulfate, TDS, TTOs, Zinc			X				
Inland Empire	City of Corona		Sewer		Aspetic 484 Alcoa Circle	Corona	Clarification	BOD, TDS, TSS			X				
Inland Empire	City of Corona		Sewer		Bagmasters 1160 California Ave, Corona	Plant 1	N/A	Copper, Lead, Chloride, Sodium, Sulfate, Cadmium, X			X				
Inland Empire	City of Corona		Sewer		Developus, Inc. 235 Deininger Circle, Corona, CA	Plant 1	clarifier	Selenium, Zinc, Chloride, Sodium			X				
Inland Empire	City of Corona		Sewer		Tri-Cal, Inc. 1029 W. Railroad Street Corona, Ca 92882	Plant 1	clarifier	Oil & Grease, TSS							X
Inland Empire	City of Corona		Sewer		R.W. Lyall 2665 Research Drive Corona, CA	Plant 1	N/A	N/A			X				
Inland Empire	City of Corona		Sewer		Marie Callenders Wholesalers 170 E. Rincon Street Corona, Ca 92879	Plant 1	Interceptor	Total Hardness, Oil & Grease, Sodium, Sulfate, Chloride, Sulfide							X
Inland Empire	City of Corona		Sewer		Watson Pharmaceuticals, Inc. 24555 Wardlow Road Corona, Ca 92880	Plant 1	N/A				X				
Inland Empire	City of Corona		Sewer		Smurfit-Stone Corrugated Corp 185 N. Smith Ave Corona, Ca 92880	Plant 1	N/A	Oil & Grease, Boron, Chloride, Chromium, Copper, Lead, Nickel, Sodium, Sulfate, Total Hardness			X				
Inland Empire	City of Corona		Sewer		RGF Enterprises 220 Citation Circle Corona, Ca 92880	Plant 1	N/A	N/A			X				
Inland Empire	City of Corona		Sewer		Allsize Self Storage 2785 Palisades Drive Corona, Ca 92880	Plant 1	Clarifier	Oil & Grease							X
Inland Empire	City of Corona		Sewer		Liberty Glass Fabricators, Inc. 1644 Maple Street Corona, CA 92880	Plant 1	N/A	Oil & Grease			X				
Inland Empire	City of Corona		Sewer		Watson Pharmaceuticals, Inc. 311 Bonnie Circle Corona, Ca 92882	Plant 1	Clarifier	TSS, Chloride, Cyanide, Phenol, Sodium, Sulfate		X					
Inland Empire	City of Corona		Sewer		United Business Systems 2577 Research Drive Corona, Ca 92882	Plant 1	N/A	Boron, Chloride, Silver, Sodium, Sulfate, TSS, Zinc			X				
Inland Empire	City of Corona		Sewer		Metal Film Coating 392 Jenks Circle Corona, CA 92880	Plant 1	N/A	Boron, Sodium, Sulfate			X				
Inland Empire	City of Corona		Sewer		Watson Laboratory 100 Business Center Drive Corona, CA, 92880	Plant 1	N/A	TSS		X					

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Receiving Facility (s)					Discharger Information				Type of Discharger (Place X)						
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Owner	Location	Pretreatment (Note type and purpose)	Note any discharge limitations or permit requirements	Biotech	Pharmaceutical	Manufacturing	Utilities	Medical	Hospitality (Hotels, Convention Centers)	Other (Specify)
Inland Empire	City of Corona		Sewer		Watson Laboratory 132 -A Business Center Drive Corona, CA, 92880	Plant 1	Clarifier	TSS, Boron, Chloride, Phenol, Sodium, Sulfate, Cyanide		X					
Inland Empire	Eastern MWD	EMWD Reach IV - TVRI - SARI - OCSD Outfall	Brine		International Rectifier	Temecula	pH adjustment	NWL Discharge Permit #522			X				
Inland Empire	Eastern MWD	EMWD Reach IV - TVRI - SARI - OCSD Outfall	Brine		Inland Empire Energy Center	Menifee		NWL Discharge Permit #544							Power Plant
Inland Empire	City of Riverside	Santa Ana River	Sewer	Cardinal Health – Medical Products and Services	Cardinal Health – Medical Products and Services	1660 IOWA AVE, SUITE 100 RIVERSIDE, CA 92507	Reverse Osmosis--unit removes impurities in the filtered water.	Must meet City's Local Limit Standards			X				
Inland Empire	City of Riverside	Santa Ana River	Sewer	Pepsi Bottling Group	Pepsi Bottling Group	6659 SYCAMORE CANYON BLVD RIVERSIDE, CA 92507	Reverse Osmosis-units used to generate water for soft drinks and bottled water.	Must meet City's Local Limit Standards			X				
Inland Empire	City of Riverside	Santa Ana River	Sewer	Ralphs Grocery Company	Ralphs Grocery Company	1500 EASTRIDGE AVE RIVERSIDE CA 92507	Reverse Osmosis--two reverse osmosis units used to generate water for bottling.	Must meet City's Local Limit Standards			X				
Inland Empire	City of Riverside	Santa Ana River	Sewer	Swiss Dairy	Swiss Dairy	4221 BUCHANAN ST RIVERSIDE, CA 92503	Reverse Osmosis--unit used in the water filtration system.	Must meet City's Local Limit Standards			X				
Inland Empire	YVWD	WWTP		Sorenson Engineering	David Sorenson, CEO	32032 Dunlap Blvd. Yucaipa, CA 92399	pH adjustment, solids precipitated, ion exchange. System is designed for removing metals to meet discharge limits.	Meet 40CFR433 Metal Finishing discharge limits.			X				
Inland Empire	YVWD	WWTP		SkatTrak	Diane Stuart (Secretary/Treasurer)	654 Avenue K Calimesa, CA 92320	All categorical process wastewater is contained and evaporated. All solids are hauled off and disposed of legally.	Facility is permitted to discharge autoclave and boiler blowdown only.			X				
Inland Empire	YVWD	WWTP		Hoover Egg Company	Jim Hoover	33700 Wildwood Canyon Rd Yucaipa, CA 92399	2,000 gallon Interceptor used to settle out solids (egg shells)	Facility must meet the local limits.							X Food processor (eggs)
Los Angeles															
Los Angeles															
North Orange County															
North Orange County															
South Orange County	SOCWA	CTP	ACOO	Chevron	Chevron	CLB	Activated Carbon for groundwater clean-up	local limits and flow							ground water clean-up
South Orange County	SOCWA	CTP	ACOO	City of Laguna Beach (CLB)	CLB	CLB	Settling and filter	local limits and flow							Dry weather diversion
South Orange County	SOCWA	CTP	ACOO	Emerald Bay Service District (EBSD)	EBSD	EBSD	Continuous Deflective Separation (CDS) unit	local limits and flow							Dry weather diversion
South Orange County	SOCWA	CTP	ACOO	Salt Creek	City of Dana Point (CDP)	CDP	Filtration	local limits and flow							Dry weather diversion
South Orange County	SOCWA	IRWD-LAWRP	ACOO	Dynacast	Dynacast	IRWD	Metal removal and settling	local limits and flow			X				
South Orange County	SOCWA	Chiquita	SJCOO	Applied Medical I	Applied Medical	SMWD	pH adjustment	Federal Categorical Limits			X				
South Orange County	SOCWA	Chiquita	SJCOO	Applied Medical II	Applied Medical	SMWD	Filtration	Federal Categorical Limits			X				
South Orange County	SOCWA	Chiquita	SJCOO	Control Components Inc	Control Components Inc	SMWD	Clarifier	local limits and flow			X				

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South Orange County	SOCWA	Chiquita	SJCOO	Flavor Infusion	Flavor Infusion	CSC	Clarifier	local limits and flow							Food Processor
South Orange County	SOCWA	Chiquita	SJCOO	Pick Up Stix	Pick Up Stix	CSC	pH adjustment and clarifier	local limits and flow							Food Processor
South Orange County	SOCWA	CSCWTP	SJCOO	AO Group	AO Group	CSC	Clarifier	local limits and flow							Food Processor
South Orange County	SOCWA	CSCWTP	SJCOO	City of San Clemente (CSC)	CSC	CSC	Settling and filter	local limits and flow							Dry weather diversion
South Orange County	SOCWA	CSCWTP	SJCOO	Flavorchem	Flavorchem	CSC	pH adjustment, settling and clarifier	local limits and flow							Food Processor
South Orange County	SOCWA	CSCWTP	SJCOO	Pick Up Stix	Pick Up Stix	CSC	Clarifier	local limits and flow							Food Processor
South Orange County	SOCWA	CSCWTP	SJCOO	South Coast Fashion Jewelry	South Coast Fashion Jewelry	CSC	Ion metal removal and clarifier	Federal Categorical Limits			X				
South Orange County	SOCWA	JBL	SJCOO	Alipaz	City of Dana Point (CDP)	CDP	Continuous Deflective Separation (CDS) unit	local limits and flow							Dry weather diversion
South Orange County	SOCWA	JBL	SJCOO	ARCO	ARCO	MNWD	Activated Carbon for groundwater clean-up	local limits and flow							ground water clean-up
South Orange County	SOCWA	JBL	SJCOO	City of San Juan Capistrano (CSJC) RO Plant	CSJC	CSJC	Settling and filter	local limits and flow							Potable Water Plant
South Orange County	SOCWA	JBL	SJCOO	Del Obispo	City of Dana Point (CDP)	CDP	Continuous Deflective Separation (CDS) unit	local limits and flow							Dry weather diversion
South Orange County	SOCWA	JBL	SJCOO	Endevco	Endevco	CSJC	pH adjustment and distillation	Federal Categorical Limits			X				
South Orange County	SOCWA	JBL	SJCOO	Exxon/Mobil I	Exxon/Mobil	MNWD	Activated Carbon for groundwater clean-up	local limits and flow							ground water clean-up
South Orange County	SOCWA	JBL	SJCOO	Exxon/Mobil II	Exxon/Mobil	MNWD	Activated Carbon for groundwater clean-up	local limits and flow							ground water clean-up
South Orange County	SOCWA	JBL	SJCOO	South Coast Water District (SCWD) RO Plant	SCWD	SCWD	Settling and filter	local limits and flow							Potable Water Plant
South Orange County	SOCWA		Outfall	Dana Point Seawater Desalination Plant	Future JPA (San Clemente, South Coast WD, San Juan Capistrano, Moulton Niguel WD, Laguna Co. WD)	So. OC	Proposed Seawater Desalination Plant (utilizes RO processing)	TBD							
San Diego	City of Chula Vista	San Diego's Metro Outfall		Sharp Chula Vista Medical Center		751 Medical Center Court							X		
San Diego	City of Chula Vista	San Diego's Metro Outfall		PRUDENTIAL OVERALL SUPPLY		740 F St									X laundry
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOUTHWESTERN COLLEGE		900 OTAY LAKES RD									X School
San Diego	City of Chula Vista	San Diego's Metro Outfall		SCRIPPS MEMORIAL HOSPITAL CHULA VISTA		435 H ST							X		
San Diego	City of Chula Vista	San Diego's Metro Outfall		QUALITY LIFT TRUCKS		115 N GLOVER AVE									X Rental Equipment
San Diego	City of Chula Vista	San Diego's Metro Outfall		ANNEX AUTOMOTIVE, INC.		45 BROADWAY									X Paint Shop
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOUTH BAY AUTO PARTS		908 THIRD AVE									X Automotive
San Diego	City of Chula Vista	San Diego's Metro Outfall		OTAY VALLEY SHELL		4555 MAIN STREET									X Car Wash
San Diego	City of Chula Vista	San Diego's Metro Outfall		SAN DIEGO COUNTY CATERING		3630 MAIN ST								X	
San Diego	City of Chula Vista	San Diego's Metro Outfall		GCE INDUSTRIES, INC.		1891 NIRVANA AV				X					
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOS METALS SAN DIEGO		635 ANITA ST				X					

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San Diego	City of Chula Vista	San Diego's Metro Outfall		ROHR, INC. DBA GOODRICH AEROSTRUCTURES		850 LAGOON DR,MZ 1-T					X				
San Diego	City of Chula Vista	San Diego's Metro Outfall		ALLIED WASTE SERVICES-SAN DIEGO		881 ENERGY WAY						X			
San Diego	City of Chula Vista	San Diego's Metro Outfall		DYNEGY SOUTH BAY, LLC		990 BAY BLVD.						X			
San Diego	City of Chula Vista	San Diego's Metro Outfall		UNITED PARCEL SERVICE		2300 BOSWELL CT									X Car Wash
San Diego	City of Chula Vista	San Diego's Metro Outfall		MMC CHULA VISTA, LLC		3497 MAIN STREET						X			
San Diego	City of Chula Vista	San Diego's Metro Outfall		WORLD OIL MARKETING COMPANY		685 H ST									X Groundwater Remediation
San Diego	City of Chula Vista	San Diego's Metro Outfall		FULLER FORD		560 AUTO PARK DRIVE									X Car Wash
San Diego	City of Chula Vista	San Diego's Metro Outfall		DRESSER-RAND		1675 BRANDYWINE AVENUE, Suites E & F				X					
San Diego	City of Chula Vista	San Diego's Metro Outfall		ARISE WACO SCAFFOLD EQUIPMENT		676 MOSS STREET									X Rental Equipment
San Diego	City of Chula Vista	San Diego's Metro Outfall		ATC OF SAN DIEGO		3650 MAIN ST, SUITE A									X Auto Shop
San Diego	City of Chula Vista	San Diego's Metro Outfall		ZEPEDA'S RADIATOR SHOP		801 BROADWAY									X Radiator Shop
San Diego	SDMWW	North City WRP	sewer	various		various	organics BMPs	Organics Control BMP	X						
San Diego	SDMWW	North City WRP	sewer	Toray Membranes USA Inc		13435 Danielson St, Poway	organics BMPs	Organics Control BMP			X				membrane mfr
San Diego	SDMWW	Pt Loma WWTP	sewer	various		various	organics BMPs	Organics Control BMP	X						
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-brine	Rohr, Inc.	850 Lagoon Dr, Chula Vista	none				X				
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-regulated Conn 210	Rohr, Inc.	850 Lagoon Dr, Chula Vista		40 CFR 433			X				
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-regulated Conn 250	Rohr, Inc.	851 Lagoon Dr, Chula Vista	pH, Cr redux.ppt/settle, ultrafiltration, filter press								
San Diego	SD MWWD	Pt Loma WWTP	sewer	UT;Convention Center	City of San Diego	111 W Harbor Dr, SD	Carbon Canisters to remove organics; may eliminate	max authorized flow = 500 gpm; meter and report flow						X	seawater intrusion discharge
San Diego	SD MWWD	Pt Loma WWTP	sewer	CP Kelco Conn 800	Huber Equity Corporation	2025 E Harbor Dr, SD	pH adj	pH	X		X				
San Diego	SD MWWD	Pt Loma WWTP	sewer	CP Kelco Conn 430	Huber Equity Corporation	2025 E Harbor Dr, SD	flow equal + pH adj	pH + biokill BMP							
San Diego	Lemon Grove	Pt Loma WWTP	sewer	Culligan Water Company of SD Inc	Culligan Water Company of SD Inc	3515 Olive st, Lemon Grove	pH adj								Water Conditioning

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San Diego	Chula Vista	Pt Loma WWTP	sewer	Dynergy South Bay LCC Conn 200	Dynergy and LS Power	990 Bay Blvd, Chulo vista						X			
San Diego	SD MWWD	Pt Loma WWTP	sewer	UT; USN FISC Point Loma Fuel Annex	USN	199 Rosecrans St, SD	settle,oil skim, air sparge	TPH, Benzene							fuel recovery & GW remediation
San Diego	El Cajon	Pt Loma WWTP	sewer	GKN Aerospace Chem-tronics, Inc	GKN America Corp	1150 W Bradley Av, El Cajon	ppt/settle, pH, filter press	40 CFR 433			X				
San Diego	El Cajon	Pt Loma WWTP	sewer	GKN Aerospace Chem-tronics, Inc	GKN America Corp	1151 W Bradley Av, El Cajon	none								
San Diego	La Mesa	Pt Loma WWTP	sewer	Grossmont Hospital		Grossmont Center Dr, La Mesa	organics BMPs						X		
San Diego	La Mesa	Pt Loma WWTP	sewer	Grossmont Hospital		Grossmont Center Dr, La Mesa	none						X		
San Diego	SD MWWD	Pt Loma WWTP	sewer	EPCOR-Naval Base San Diego		32nd St @ Harbor Dr, SD						X			Cogen
San Diego	SD MWWD	Pt Loma WWTP	sewer	Naval Base San Diego	USN	33rd St @ Harbor Dr, SD									Shipboard wastes
San Diego	SD MWWD	Pt Loma WWTP	sewer	Naval Medical Center San Diego	USN	34800 Bob Wilson Dr, SD	organics BMPs							X	
San Diego	SD MWWD	Pt Loma WWTP	sewer	EPCOR - North Island, Coronado Facility								X			Cogen
San Diego	SD MWWD	SBWRP	sewer	Circle Foods, LLC	Circle Foods, LLC	8411 Siempre Viva Rd	daf	not segregated			X				
San Diego	SD MWWD	South Bay WRP	Sewer	East Mesa and Bailey detention facilities	Federal and State of CA	446 Alta Rd, SD									Prison
San Diego	Otay Mesa	South Bay WRP	Sewer	LS Power Development, LLC	LS Power Development, LLC	Energy Center Ln, Otay Mesa						X			
San Diego	Otay Mesa	South Bay WRP	Sewer	Otay Mesa Energy Center LLC	Calpine Corporation	647 Alta Rd, SD						X			
San Diego	SD MWWD	South Bay WRP	Sewer	RJ Donovan Correctional Facility	CA State Prison System	480 Alta Rd, SD	Combined stream has grinder; :Planned solids removal	Remove solids (due to rag problems in sanitary ww)							Prison
San Diego	SD MWWD	South Bay WRP	Sewer	Heinz Frozen Foods	Heinz, Inc	7878 Airway Rd, SD	settling, daf	O/G, solids			X				
San Diego	SD MWWD	North City WRP	Sewer	Koch Membrane Syst	Trinet, Corp	10054 Old Grove Rd, SD	pH adj	pH, organics			X				
San Diego	SD MWWD	Pt Loma WWTP	sewer	Coca-Cola Bottling Co of SD	Coca-Cola Bottling Co of SD	1348 47th St, SD	pH adj				X				
San Diego	Poway	North City WRP	sewer	Hallmark Circuits, Inc	Hallmark Circuits, Inc	13500 Danielson St, Poway	pH, ppt/settle, IX, electrowin, filter press	40 CFR 433			X				

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San Diego	Poway	North City WRP	sewer	Hallmark Circuits, Inc	Hallmark Circuits, Inc	13501 Danielson St, Poway	none				X				
San Diego	SD MWWD	North City WRP	sewer	Salk institute for Biological Studies					X						
San Diego	SD MWWD	Pt Loma WWTP	sewer	Steiner Corp dba AlSCO		705 W Grape St, SD	screening, O/G gravity sep	O/G, pH							laundry
San Diego	SD MWWD	Pt Loma WWTP	sewer	Angelica Textile Svcs		3939 Market St, SD	screening, pH adj	O/G, pH							laundry
San Diego	SD MWWD	Pt Loma WWTP	sewer	Aramark Uniform Services Inc	Aramark Uniform Services Inc	3554 Dalbergia St, SD	emulsion break, ppt/settle,daf, oil skim, filter press	O/G, pH							laundry
San Diego	SD MWWD	Pt Loma WWTP	sewer	General Dynamics NASSCO											Shipbuild/repair
San Diego	SD MWWD	Pt Loma WWTP	sewer	Hydranautics	Nitto Denko America	8270 Miralani Dr, SD	none				X				
San Diego	Poway	North City WRP	sewer	Palomar Pomerado Health		15615 Pomerado Rd, Poway	organics BMPs	Organics Control BMP					X		
San Diego	SD MWWD	Pt Loma WWTP	sewer	Torvac Div of Darling Intl											rendering
San Diego	SD MWWD	North City WRP	sewer	UT;Traylor/Shea-rem		12298 Almania Rd, SD									GW remediation
San Diego	SD MWWD	North City WRP	sewer	UT;Traylor/Shea-rem		14399 Stonebridge Py, SD									GW remediation
San Diego	SD MWWD	North City WRP	sewer	UT;Kilroy Realty-constr dewtr		13480 N Evening Creek Dr, SD									GW; construction dewatering
San Diego	SD MWWD	North City WRP	sewer	Pall Filtration & Separations Group Inc		4116 Sorrento Valley Bl, SD					X				
San Diego	SD MWWD	Pt Loma WWTP	sewer	Kyocera	Kyocera America, Inc	8611 Balboa Av, SD	pH, CN destruct,ppt/settle, filter press	40 CFR 433			X				
San Diego	SD MWWD	Pt Loma WWTP	sewer	Kyocera	Kyocera America, Inc	8611 Balboa Av, SD	none					X			
San Diego	City of Oceanside	SLR	Sewer	California Creative Foods	Douglas Pearson	649 Benet Road	pH Adjustment	Local Limits			X				
San Diego	City of Oceanside	SLR	Sewer	Deutsch	Deutsch Corporation	250 Eddie Jones Way	pH Adjustment, Sedimentation	CFR 433.15, Local Limits			X				
San Diego	City of Oceanside	SLR	Sewer	Elite Metal	Dan Rose	2525 Jason Court	pH Adjustment, Sedimentation	CFR 433.17, Local Limits			X				
San Diego	City of Oceanside	SLR	Sewer	Genentech Oceanside Facility	Genentech	One Antibody Way	pH Adjustment	CFR 439.17, Local Limits	X	X					
San Diego	City of Oceanside	SLR	Sewer	Genentech Oceanside Clinical Production	Genentech	4049 Avenida de la Plata	pH Adjustment	CFR 439.17, Local Limits	X	X					
San Diego	City of Oceanside	SLR	Sewer	Hydranautics	Nitto Denko Company	401 Jones Road	pH Adjustment, Bioreactor	Local Limits			X				
San Diego	City of Oceanside	SLR	Sewer	Indigo Labs	Joe Warne	4039 Calle Platino Suite C	pH Adjustment	CFR 439.47, Local Limits			X				
San Diego	City of Oceanside	SLR	Sewer	Nitto Denko	Nitto Denko Company	501 Via del Monte	None	Local Limits							R & D
San Diego	City of Oceanside	SLR	Sewer	Sevro	William Light	4115 Avenida de la Plata	pH Adjustment	Local Limits			X				
San Diego	City of Oceanside	LS	Sewer	Metro Roof	Metro Roof Corporation	3093 "A" Industry St	Filtration, Press	Local Limits			X				
San Diego	City of Oceanside	LS	Sewer	Mission Linen Service	Mission Linen Corporation	2727 Industry St	Dissolved Air Flotation, Filter Press	Local Limits							Laundry

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Receiving Facility (s)					Discharge Water Quality Information										Current (as of end of 2008)		Planning Year 2010		Planning Year 2015	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	TDS (mg/l)	BOD (mg/l)	COD (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Trace Organics (list)	Notes	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	City of Corona		Sewer		1496						9.76		0.02		0.005	0.005	0.005	0.005	0.005	0.005
Inland Empire	City of Corona		Sewer												0	0	0	0	0	0
Inland Empire	City of Corona		Sewer		578						8.95		0.01		0.006	0.006	0.006	0.006	0.006	0.006
Inland Empire	City of Corona		Sewer												0	0	0	0	0	0
Inland Empire	City of Corona		Sewer		880	159					7.16				0.013	0.013	0.013	0.013	0.013	0.013
Inland Empire	City of Corona		Sewer												0	0	0	0	0	0
Inland Empire	City of Corona		Sewer		877	353	461				7.14		0.20		0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Inland Empire	City of Corona		Sewer		461	1759	2699				6.36				0.005	0.005	0.005	0.005	0.005	0.005
Inland Empire	City of Corona		Sewer												0	0	0	0	0	0
Inland Empire	City of Corona		Sewer		539						7.40		0.02		0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
Inland Empire	City of Corona		Sewer		463	229					7.71				0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
Inland Empire	City of Corona		Sewer												0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
Inland Empire	City of Corona		Sewer		383						7.81				0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Inland Empire	City of Corona		Sewer		680						8.18				0.0093	0.0093	0.0093	0.0093	0.0093	0.0093
Inland Empire	City of Corona		Sewer		0.00	0.00					5.0 - 10.5		EPA 624,625,608		120000	30000	120000	30000	120000	30000
Inland Empire	City of Corona		Sewer		590	0.00					5.0 - 10.5		EPA 624,625,608		24000	18000	24000	18000	24000	18000
Inland Empire	City of Corona		Sewer		883	0.00					5.0 - 10.5		EPA 624,625,608		7000	6000	7000	6000	7000	6000
Inland Empire	City of Corona		Sewer		558	0.00					5.0 - 10.5		EPA 624,625,608		9700	611	9700	611	9700	611
Inland Empire	City of Corona		Sewer		476	0.00					5.0 - 10.5		EPA 624,625,608		435	130	435	130	435	130
Inland Empire	City of Corona		Sewer		1022	436					5.0 - 10.5		EPA 624,625,608		2126	2100	2126	2100	2126	2100
Inland Empire	City of Corona		Sewer		350	0.00					5.0 - 10.5		EPA 624,625,608		7380	270	7380	270	7380	270

Industrial Discharger Data or Send Existing Information
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Receiving Facility (s)					Discharge Water Quality Information										Current (as of end of 2008)		Planning Year 2010		Planning Year 2015	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	TDS (mg/l)	BOD (mg/l)	COD (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Trace Organics (list)	Notes	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	City of Corona		Sewer		1084	0.00					5.0 - 10.5		EPA 624,625,608		3826	1667	3826	1667	3826	1667
Inland Empire	City of Corona		Sewer		0.00	0.00					5.0 - 10.5		EPA 624,625,608		1700	51	1700	51	1700	51
Inland Empire	City of Corona		Sewer		2898	0.00					5.0 - 10.5		EPA 624,625,608		5229	5000	5229	5000	5229	5000
Inland Empire	City of Corona		Sewer		960	0.00					5.0 - 10.5		EPA 624,625,608		23385	23000	23385	23000	23385	23000
Inland Empire	City of Corona		Sewer		1645	1190									17876	14535	17876	14535	17876	14535
Inland Empire	City of Corona		Sewer		955	0.00									7500	1993	7500	1993	7500	1993
Inland Empire	City of Corona		Sewer		0.00	1149									78440	54000	78440	54000	78440	54000
Inland Empire	City of Corona		Sewer		572	101.3					8.16	X			0.00055	0.00055	0.00055	0.00055	0.00055	0.00055
Inland Empire	City of Corona		Sewer		495	340					7.85	X			0.000803	0.000803	0.000803	0.000803	0.000803	0.000803
Inland Empire	City of Corona		Sewer		400						X	X	X		0.00006	0.00006	0.00006	0.00006	0.00006	0.00006
Inland Empire	City of Corona		Sewer												0.004005	0.004005	0.004005	0.004005	0.004005	0.004005
Inland Empire	City of Corona		Sewer		1330	1752.2					X	X			0.008007	0.008007	0.008007	0.008007	0.008007	0.008007
Inland Empire	City of Corona		Sewer		480	42.93					7.66	X			0.023761	0.023761	0.023761	0.023761	0.023761	0.023761
Inland Empire	City of Corona		Sewer		100	430					X	X			0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
Inland Empire	City of Corona		Sewer												0.000876	0.000876	0.000876	0.000876	0.000876	0.000876
Inland Empire	City of Corona		Sewer								X				0.001095	0.001095	0.001095	0.001095	0.001095	0.001095
Inland Empire	City of Corona		Sewer		390						X	X			0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Inland Empire	City of Corona		Sewer		475	89.5	254				7.20		0.01		0.00979	0.00979	0.00979	0.00979	0.00979	0.00979
Inland Empire	City of Corona		Sewer		635	1043.5					X		X		0.003642	0.003642	0.003642	0.003642	0.003642	0.003642
Inland Empire	City of Corona		Sewer		353						X				0.003105	0.003105	0.003105	0.003105	0.003105	0.003105
Inland Empire	City of Corona		Sewer		380	56.5	1020				X		X		0.009009	0.009009	0.009009	0.009009	0.009009	0.009009

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Receiving Facility (s)					Discharge Water Quality Information										Current (as of end of 2008)		Planning Year 2010		Planning Year 2015	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	TDS (mg/l)	BOD (mg/l)	COD (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Trace Organics (list)	Notes	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	City of Corona		Sewer		884	955.56					X		X		0.002106	0.002106	0.002106	0.002106	0.002106	0.002106
Inland Empire	Eastern MWD	EMWD Reach IV - TVRI - SARI - OCSD Outfall	Brine		45500	100					7.38	29.90			0.075	0.065	0.075	0.065	0.075	0.065
Inland Empire	Eastern MWD	EMWD Reach IV - TVRI - SARI - OCSD Outfall	Brine		2270	5		<2			7.20				1.2	0.5	1.2	0.5	1.2	0.5
Inland Empire	City of Riverside	Santa Ana River	Sewer	Cardinal Health – Medical Products and Services	466		255			19	8.38				0.09	0.01	0.09	0.01	0.09	0.01
Inland Empire	City of Riverside	Santa Ana River	Sewer	Pepsi Bottling Group	1456		1300			28	7.90				0.29	0.24	0.29	0.24	0.29	0.24
Inland Empire	City of Riverside	Santa Ana River	Sewer	Ralphs Grocery Company	1272		2074				7.01				0.25	0.21	0.25	0.21	0.25	0.21
Inland Empire	City of Riverside	Santa Ana River	Sewer	Swiss Dairy	2000		3846				7.03				0.04	0.03	0.04	0.03	0.04	0.03
Inland Empire	YVWD	WWTP		Sorenson Engineering	2938	136.9		0.50			8.23		0.71		0.003	0.003	0.003	0.003	0.003	0.003
Inland Empire	YVWD	WWTP		SkatTrak	444	119.3		24.5			10.16				0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
Inland Empire	YVWD	WWTP		Hoover Egg Company	1737	2725		19			8.35				0.009	0.009	0.009	0.009	0.009	0.009
Los Angeles																				
Los Angeles																				
North Orange County																				
North Orange County																				
South Orange County	SOCWA	CTP	ACOO	Chevron							7.10				0.002	0.00035	0.002	0.00035	0.002	0.00035
South Orange County	SOCWA	CTP	ACOO	City of Laguna Beach (CLB)	1250	215					7.20		TRHC 15.9 mg/L		0.072	0.072	0.072	0.072	0.072	0.072
South Orange County	SOCWA	CTP	ACOO	Emerald Bay Service District (EBSD)	1227	170					7.40				0.2	0.1	0.2	0.1	0.2	0.1
South Orange County	SOCWA	CTP	ACOO	Salt Creek	2869	4.2					7.60				0.144	0.0335	0.144	0.0335	0.144	0.0335
South Orange County	SOCWA	IRWD-LAWRP	ACOO	Dynacast							8.50				0.01	0.002833	0.01	0.002833	0.01	0.002833
South Orange County	SOCWA	Chiquita	SJCOO	Applied Medical I							7.10		TTO 0.0019 mg/L		0.01	0.00222	0.01	0.00222	0.01	0.00222
South Orange County	SOCWA	Chiquita	SJCOO	Applied Medical II							7.00				0.01	0.009	0.01	0.009	0.01	0.009
South Orange County	SOCWA	Chiquita	SJCOO	Control Components Inc							7.60				0.005	0.005	0.005	0.005	0.005	0.005

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Receiving Facility (s)					Discharge Water Quality Information										Current (as of end of 2008)		Planning Year 2010		Planning Year 2015	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	TDS (mg/l)	BOD (mg/l)	COD (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Trace Organics (list)	Notes	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
South Orange County	SOCWA	Chiquita	SJCOO	Flavor Infusion	748	367	1135				7.50				0.003	0.001	0.003	0.001	0.003	0.001
South Orange County	SOCWA	Chiquita	SJCOO	Pick Up Stix	1702	1679	2882				6.70				0.005	0.001	0.005	0.001	0.005	0.001
South Orange County	SOCWA	CSCWTP	SJCOO	AO Group	897	467	1635				5.60				0.01	0.01	0.01	0.01	0.01	0.01
South Orange County	SOCWA	CSCWTP	SJCOO	City of San Clemente (CSC)	997	324					7.60				0.1	0.1	0.1	0.1	0.1	0.1
South Orange County	SOCWA	CSCWTP	SJCOO	Flavorchem	2158	2346	5702				7.60				0.005	0.005	0.005	0.005	0.005	0.005
South Orange County	SOCWA	CSCWTP	SJCOO	Pick Up Stix	1283	895	1550				6.50				0.005	0.005	0.005	0.005	0.005	0.005
South Orange County	SOCWA	CSCWTP	SJCOO	South Coast Fashion Jewelry							7.20				0.01	0.007212	0.01	0.007212	0.01	0.007212
South Orange County	SOCWA	JBL	SJCOO	Alipaz							8.40				0.072	0.011	0.072	0.011	0.072	0.011
South Orange County	SOCWA	JBL	SJCOO	ARCO							7.60				0.05	0.00168	0.05	0.00168	0.05	0.00168
South Orange County	SOCWA	JBL	SJCOO	City of San Juan Capistrano (CSJC) RO Plant							7.80				0.01	0.009	0.01	0.009	0.01	0.009
South Orange County	SOCWA	JBL	SJCOO	Del Obispo	3651						7.30				0.072	0.0056	0.072	0.0056	0.072	0.0056
South Orange County	SOCWA	JBL	SJCOO	Endevco							8.20				0.001	0.000277	0.001	0.000277	0.001	0.000277
South Orange County	SOCWA	JBL	SJCOO	Exxon/Mobil I							7.80				0.05	0.001	0.05	0.001	0.05	0.001
South Orange County	SOCWA	JBL	SJCOO	Exxon/Mobil II							7.80				0.05	0.001	0.05	0.001	0.05	0.001
South Orange County	SOCWA	JBL	SJCOO	South Coast Water District (SCWD) RO Plant	6400						7.00				0.3	0.2146	0.3	0.2146	0.3	0.2146
South Orange County	SOCWA		Outfall	Dana Point Seawater Desalination Plant															25	25
San Diego	City of Chula Vista	San Diego's Metro Outfall		Sharp Chula Vista Medical Center												0.0009		0.0009		0.0009
San Diego	City of Chula Vista	San Diego's Metro Outfall		PRUDENTIAL OVERALL SUPPLY												0.0130		0.0130		0.0130
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOUTHWESTERN COLLEGE												0.0004		0.0004		0.0004
San Diego	City of Chula Vista	San Diego's Metro Outfall		SCRIPPS MEMORIAL HOSPITAL CHULA VISTA												0.0006		0.0006		0.0006
San Diego	City of Chula Vista	San Diego's Metro Outfall		QUALITY LIFT TRUCKS												0.0003		0.0003		0.0003
San Diego	City of Chula Vista	San Diego's Metro Outfall		ANNEX AUTOMOTIVE, INC.												0.0001		0.0001		0.0001
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOUTH BAY AUTO PARTS			201									0.0001		0.0001		0.0001
San Diego	City of Chula Vista	San Diego's Metro Outfall		OTAY VALLEY SHELL												0.0084		0.0084		0.0084
San Diego	City of Chula Vista	San Diego's Metro Outfall		SAN DIEGO COUNTY CATERING												0.0046		0.0046		0.0046
San Diego	City of Chula Vista	San Diego's Metro Outfall		GCE INDUSTRIES, INC.			177									0.0006		0.0006		0.0006
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOS METALS SAN DIEGO												0.0001		0.0001		0.0001

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Receiving Facility (s)					Discharge Water Quality Information										Current (as of end of 2008)		Planning Year 2010		Planning Year 2015	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	TDS (mg/l)	BOD (mg/l)	COD (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Trace Organics (list)	Notes	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
San Diego	City of Chula Vista	San Diego's Metro Outfall		ROHR, INC. DBA GOODRICH AEROSTRUCTURES	5710		150				7.9					0.0254		0.0254		0.0254
San Diego	City of Chula Vista	San Diego's Metro Outfall		ALLIED WASTE SERVICES-SAN DIEGO												0.0007		0.0007		0.0007
San Diego	City of Chula Vista	San Diego's Metro Outfall		DYNEGY SOUTH BAY, LLC			33				8					0.0676		0.0676		0.0676
San Diego	City of Chula Vista	San Diego's Metro Outfall		UNITED PARCEL SERVICE												0.0029		0.0029		0.0029
San Diego	City of Chula Vista	San Diego's Metro Outfall		MMC CHULA VISTA, LLC												0.0140		0.0140		0.0140
San Diego	City of Chula Vista	San Diego's Metro Outfall		WORLD OIL MARKETING COMPANY			19									0.0144		0.0144		0.0144
San Diego	City of Chula Vista	San Diego's Metro Outfall		FULLER FORD												0.0018		0.0018		0.0018
San Diego	City of Chula Vista	San Diego's Metro Outfall		DRESSER-RAND												0.0006		0.0006		0.0006
San Diego	City of Chula Vista	San Diego's Metro Outfall		ARISE WACO SCAFFOLD EQUIPMENT												0.0005		0.0005		0.0005
San Diego	City of Chula Vista	San Diego's Metro Outfall		ATC OF SAN DIEGO												0.0037		0.0037		0.0037
San Diego	City of Chula Vista	San Diego's Metro Outfall		ZEPEDA'S RADIATOR SHOP												0.0001		0.0001		0.0001
San Diego	SDMWW	North City WRP	sewer	various												0.0300		0.0300		0.0300
San Diego	SDMWW	North City WRP	sewer	Toray Membranes USA Inc	1512											0.0250		0.0250		0.0250
San Diego	SDMWW	Pt Loma WWTP	sewer	various												0.0500		0.0500		0.0500
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-brine												0.0140		0.0140		0.0140
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-regulated Conn 210	1692		369									0.0200		0.0200		0.0200
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-regulated Conn 250	2900		20									0.0200		0.0200		0.0200
San Diego	SD MWWD	Pt Loma WWTP	sewer	UT;Convention Center	29995		536				7.16	25		chronic toxicity 2.19 avg; 5.0 max		0.4100		0.4100		0.4100
San Diego	SD MWWD	Pt Loma WWTP	sewer	CP Kelco Conn 800	5699		8824							81000 RO reject and CT bleed not segregated		0.5300		0.5300		0.5300
San Diego	SD MWWD	Pt Loma WWTP	sewer	CP Kelco Conn 430	2310		2328							7000 storm + boiler b/d not segregated		0.8400		0.8400		0.8400
San Diego	Lemon Grove	Pt Loma WWTP	sewer	Culligan Water Company of SD Inc	avg 21,170 max 38,600		avg 509 max 920				7.3					0.0340		0.0500		0.0500

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Receiving Facility (s)					Discharge Water Quality Information										Current (as of end of 2008)		Planning Year 2010		Planning Year 2015	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	TDS (mg/l)	BOD (mg/l)	COD (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Trace Organics (list)	Notes	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
San Diego	Chula Vista	Pt Loma WWTP	sewer	Dynegy South Bay LCC Conn 200	avg 2182 max 3270		avg 50 max 140									0.0600		0.0600		0.0600
San Diego	SD MWWD	Pt Loma WWTP	sewer	UT; USN FISC Point Loma Fuel Annex												0.0570		0.0570		0.0570
San Diego	El Cajon	Pt Loma WWTP	sewer	GKN Aerospace Chemtronics, Inc	6227									15,500RO/SRW S and b/d not separated		0.0330		0.0330		0.0330
San Diego	El Cajon	Pt Loma WWTP	sewer	GKN Aerospace Chemtronics, Inc												0.0150		0.0150		0.0150
San Diego	La Mesa	Pt Loma WWTP	sewer	Grossmont Hospital												0.046 incl san		0.046 incl san		0.046 incl san
San Diego	La Mesa	Pt Loma WWTP	sewer	Grossmont Hospital												0.0100		0.0100		0.0100
San Diego	SD MWWD	Pt Loma WWTP	sewer	EPCOR-Naval Base San Diego												0.0200		0.0200		0.0200
San Diego	SD MWWD	Pt Loma WWTP	sewer	Naval Base San Diego	21000		750									0.6600		0.6600		0.6600
San Diego	SD MWWD	Pt Loma WWTP	sewer	Naval Medical Center San Diego	874		325							21,000 gpd brine not segregated		0.35 incl san		0.35 incl san		0.35 incl san
San Diego	SD MWWD	Pt Loma WWTP	sewer	EPCOR - North Island, Coronado Facility												0.0700		0.0700		0.0700
San Diego	SD MWWD	SBWRP	sewer	Circle Foods, LLC										21,000 gpd brine not segregated		0.0510		0.0510		0.0510
San Diego	SD MWWD	South Bay WRP	Sewer	East Mesa and Bailey detention facilities	1052		516							10,000 gpd bleed not segregated; sampling		0.53 w/san 0.024 w/o san		0.53 w/san 0.024 w/o san		0.53 w/san 0.024 w/o san
San Diego	Otay Mesa	South Bay WRP	Sewer	LS Power Development, LLC												0.0000		0.1300		0.1300
San Diego	Otay Mesa	South Bay WRP	Sewer	Otay Mesa Energy Center LLC												0.0000		0.0800		0.0800
San Diego	SD MWWD	South Bay WRP	Sewer	RJ Donovan Correctional Facility	794		454				7.2-8.8			20,000 gpd brine not segregated; sampling includes sanitary		0.80 w/san 0.057 w/o san		0.80 w/san 0.057 w/o san		0.80 w/san 0.057 w/o san
San Diego	SD MWWD	South Bay WRP	Sewer	Heinz Frozen Foods	2204		2268							6,000 gpd brine not separated		0.1300		0.1300		0.1300
San Diego	SD MWWD	North City WRP	Sewer	Koch Membrane Syst	3220		3775									0.1700		0.1700		0.1700
San Diego	SD MWWD	Pt Loma WWTP	sewer	Coca-Cola Bottling Co of SD	2348		4801							80,000 gpd plant backwash & RO reject not		0.3300		0.3300		0.3300
San Diego	Poway	North City WRP	sewer	Hallmark Circuits, Inc	1416											0.0700		0.0700		0.0700

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Receiving Facility (s)					Discharge Water Quality Information										Current (as of end of 2008)		Planning Year 2010		Planning Year 2015	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	TDS (mg/l)	BOD (mg/l)	COD (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Trace Organics (list)	Notes	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
San Diego	Poway	North City WRP	sewer	Hallmark Circuits, Inc												0.0005		0.0005		0.0005
San Diego	SD MWWD	North City WRP	sewer	Salk institute for Biological Studies	715		325							36000 gpd concentrate not separated		0.0570		0.0570		0.0570
San Diego	SD MWWD	Pt Loma WWTP	sewer	Steiner Corp dba AlSCO	3352		1963							4000 SRWS & 2520 boildr b/d not separated		0.0720		0.0720		0.0720
San Diego	SD MWWD	Pt Loma WWTP	sewer	Angelica Textile Svcs	1241		496							8500 SRWS not separated		0.1860		0.1860		0.1860
San Diego	SD MWWD	Pt Loma WWTP	sewer	Aramark Uniform Services Inc	2402		2125							2500 SRWS not separated		0.0750		0.0750		0.0750
San Diego	SD MWWD	Pt Loma WWTP	sewer	General Dynamics NASSCO	4850		995									0.0600		0.0600		0.0600
San Diego	SD MWWD	Pt Loma WWTP	sewer	Hydranautics	889		4138							18,500 RO reject not separated		0.0520		0.0520		0.0520
San Diego	Poway	North City WRP	sewer	Palomar Pomerado Health										8660 concentrate not separated		0.0370		0.0370		0.0370
San Diego	SD MWWD	Pt Loma WWTP	sewer	Torvac Div of Darling Intl	11205		9675									0.0200		0.0200		0.0200
San Diego	SD MWWD	North City WRP	sewer	UT;Traylor/Shea-rem	1821		110									0.5000		0.5000		0.5000
San Diego	SD MWWD	North City WRP	sewer	UT;Traylor/Shea-rem			545									0.0720		0.0720		0.0720
San Diego	SD MWWD	North City WRP	sewer	UT;Kilroy Realty-constr dewtr	1460		40									0.0100		0.0100		0.0100
San Diego	SD MWWD	North City WRP	sewer	Pall Filtration & Separations Group Inc	714		4564									0.0540		0.0540		0.0540
San Diego	SD MWWD	Pt Loma WWTP	sewer	Kyocera	1000		54									0.0530		0.0530		0.0530
San Diego	SD MWWD	Pt Loma WWTP	sewer	Kyocera										cogen combines w.process after sample pt		0.0350		0.0350		0.0350
San Diego	City of Oceanside	SLR	Sewer	California Creative Foods	1429	756.22		2.73			7.62				0.0500	0.0189	0.0500	0.0189	0.0500	0.0189
San Diego	City of Oceanside	SLR	Sewer	Deutsch	2586	27.42		16.2			8.64				0.2500	0.1647	0.2500	0.1647	0.2500	0.1647
San Diego	City of Oceanside	SLR	Sewer	Elite Metal	10218	3.7		11.8			9.7				0.0020	0.0003	0.0020	0.0003	0.0020	0.0003
San Diego	City of Oceanside	SLR	Sewer	Genentech Oceanside Facility	1391	75.56		0.79			8.64				0.3430	0.1094	0.3430	0.1094	0.3430	0.1094
San Diego	City of Oceanside	SLR	Sewer	Genentech Oceanside Clinical Production	717	33.1		0.85			8.33				0.1250	0.0576	0.1250	0.0576	0.1250	0.0576
San Diego	City of Oceanside	SLR	Sewer	Hydranautics	1785	263.36		163.75			6.88				0.4500	0.3539	0.4500	0.3539	0.4500	0.3539
San Diego	City of Oceanside	SLR	Sewer	Indigo Labs	899	70.22		0.56			6.77				0.0003	0.0001	0.0003	0.0001	0.0003	0.0001
San Diego	City of Oceanside	SLR	Sewer	Nitto Denko	304	140.6		0.61			8.65				0.0034	0.0021	0.0034	0.0021	0.0034	0.0021
San Diego	City of Oceanside	SLR	Sewer	Sepro	796	2496.33		3.74			8.26				0.0400	0.0065	0.0400	0.0065	0.0400	0.0065
San Diego	City of Oceanside	LS	Sewer	Metro Roof	2010	904.78		83.9			6.77				0.0060	0.0025	0.0060	0.0025	0.0060	0.0025
San Diego	City of Oceanside	LS	Sewer	Mission Linen Service	1709	220.67		0.91			7.19				0.1850	0.0878	0.1850	0.0878	0.1850	0.0878

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Receiving Facility (s)					Planning Year 2020		Planning Year 2025		Planning Year 2030		Planning Year 2035	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	City of Corona		Sewer		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Inland Empire	City of Corona		Sewer		0	0	0	0	0	0	0	0
Inland Empire	City of Corona		Sewer		0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Inland Empire	City of Corona		Sewer		0	0	0	0	0	0	0	0
Inland Empire	City of Corona		Sewer		0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Inland Empire	City of Corona		Sewer		0	0	0	0	0	0	0	0
Inland Empire	City of Corona		Sewer		0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Inland Empire	City of Corona		Sewer		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Inland Empire	City of Corona		Sewer		0	0	0	0	0	0	0	0
Inland Empire	City of Corona		Sewer		0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
Inland Empire	City of Corona		Sewer		0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
Inland Empire	City of Corona		Sewer		0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
Inland Empire	City of Corona		Sewer		0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Inland Empire	City of Corona		Sewer		0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093
Inland Empire	City of Corona		Sewer		120000	30000	120000	30000	120000	30000	120000	30000
Inland Empire	City of Corona		Sewer		24000	18000	24000	18000	24000	18000	24000	18000
Inland Empire	City of Corona		Sewer		7000	6000	7000	6000	7000	6000	7000	6000
Inland Empire	City of Corona		Sewer		9700	611	9700	611	9700	611	9700	611
Inland Empire	City of Corona		Sewer		435	130	435	130	435	130	435	130
Inland Empire	City of Corona		Sewer		2126	2100	2126	2100	2126	2100	2126	2100
Inland Empire	City of Corona		Sewer		7380	270	7380	270	7380	270	7380	270

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Receiving Facility (s)					Planning Year 2020		Planning Year 2025		Planning Year 2030		Planning Year 2035	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	City of Corona		Sewer		3826	1667	3826	1667	3826	1667	3826	1667
Inland Empire	City of Corona		Sewer		1700	51	1700	51	1700	51	1700	51
Inland Empire	City of Corona		Sewer		5229	5000	5229	5000	5229	5000	5229	5000
Inland Empire	City of Corona		Sewer		23385	23000	23385	23000	23385	23000	23385	23000
Inland Empire	City of Corona		Sewer		17876	14535	17876	14535	17876	14535	17876	14535
Inland Empire	City of Corona		Sewer		7500	1993	7500	1993	7500	1993	7500	1993
Inland Empire	City of Corona		Sewer		78440	54000	78440	54000	78440	54000	78440	54000
Inland Empire	City of Corona		Sewer		0.00055	0.00055	0.00055	0.00055	0.00055	0.00055	0.00055	0.00055
Inland Empire	City of Corona		Sewer		0.000803	0.000803	0.000803	0.000803	0.000803	0.000803	0.000803	0.000803
Inland Empire	City of Corona		Sewer		0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006
Inland Empire	City of Corona		Sewer		0.004005	0.004005	0.004005	0.004005	0.004005	0.004005	0.004005	0.004005
Inland Empire	City of Corona		Sewer		0.008007	0.008007	0.008007	0.008007	0.008007	0.008007	0.008007	0.008007
Inland Empire	City of Corona		Sewer		0.023761	0.023761	0.023761	0.023761	0.023761	0.023761	0.023761	0.023761
Inland Empire	City of Corona		Sewer		0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
Inland Empire	City of Corona		Sewer		0.000876	0.000876	0.000876	0.000876	0.000876	0.000876	0.000876	0.000876
Inland Empire	City of Corona		Sewer		0.001095	0.001095	0.001095	0.001095	0.001095	0.001095	0.001095	0.001095
Inland Empire	City of Corona		Sewer		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Inland Empire	City of Corona		Sewer		0.00979	0.00979	0.00979	0.00979	0.00979	0.00979	0.00979	0.00979
Inland Empire	City of Corona		Sewer		0.003642	0.003642	0.003642	0.003642	0.003642	0.003642	0.003642	0.003642
Inland Empire	City of Corona		Sewer		0.003105	0.003105	0.003105	0.003105	0.003105	0.003105	0.003105	0.003105
Inland Empire	City of Corona		Sewer		0.009009	0.009009	0.009009	0.009009	0.009009	0.009009	0.009009	0.009009

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Receiving Facility (s)					Planning Year 2020		Planning Year 2025		Planning Year 2030		Planning Year 2035	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	City of Corona		Sewer		0.002106	0.002106	0.002106	0.002106	0.002106	0.002106	0.002106	0.002106
Inland Empire	Eastern MWD	EMWD Reach IV - TVRI - SARI - OCSD Outfall	Brine		0.075	0.065	0.075	0.065	0.075	0.065	0.075	0.065
Inland Empire	Eastern MWD	EMWD Reach IV - TVRI - SARI - OCSD Outfall	Brine		1.2	0.5	1.2	0.5	1.2	0.5	1.2	0.5
Inland Empire	City of Riverside	Santa Ana River	Sewer	Cardinal Health – Medical Products and Services	0.09	0.01	0.09	0.01	0.09	0.01	0.09	0.01
Inland Empire	City of Riverside	Santa Ana River	Sewer	Pepsi Bottling Group	0.29	0.24	0.29	0.24	0.29	0.24	0.29	0.24
Inland Empire	City of Riverside	Santa Ana River	Sewer	Ralphs Grocery Company	0.25	0.21	0.25	0.21	0.25	0.21	0.25	0.21
Inland Empire	City of Riverside	Santa Ana River	Sewer	Swiss Dairy	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03
Inland Empire	YVWD	WWTP		Sorenson Engineering	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Inland Empire	YVWD	WWTP		SkatTrak	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
Inland Empire	YVWD	WWTP		Hoover Egg Company	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Los Angeles												
Los Angeles												
North Orange County												
North Orange County												
South Orange County	SOCWA	CTP	ACOO	Chevron	0.002	0.00035	0.002	0.00035	0.002	0.00035	0.002	0.00035
South Orange County	SOCWA	CTP	ACOO	City of Laguna Beach (CLB)	0.072	0.072	0.072	0.072	0.072	0.072	0.072	0.072
South Orange County	SOCWA	CTP	ACOO	Emerald Bay Service District (EBSD)	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1
South Orange County	SOCWA	CTP	ACOO	Salt Creek	0.144	0.0335	0.144	0.0335	0.144	0.0335	0.144	0.0335
South Orange County	SOCWA	IRWD-LAWRP	ACOO	Dynacast	0.01	0.002833	0.01	0.002833	0.01	0.002833	0.01	0.002833
South Orange County	SOCWA	Chiquita	SJCOO	Applied Medical I	0.01	0.00222	0.01	0.00222	0.01	0.00222	0.01	0.00222
South Orange County	SOCWA	Chiquita	SJCOO	Applied Medical II	0.01	0.009	0.01	0.009	0.01	0.009	0.01	0.009
South Orange County	SOCWA	Chiquita	SJCOO	Control Components Inc	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005

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Receiving Facility (s)					Planning Year 2020		Planning Year 2025		Planning Year 2030		Planning Year 2035	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
South Orange County	SOCWA	Chiquita	SJCOO	Flavor Infusion	0.003	0.001	0.003	0.001	0.003	0.001	0.003	0.001
South Orange County	SOCWA	Chiquita	SJCOO	Pick Up Stix	0.005	0.001	0.005	0.001	0.005	0.001	0.005	0.001
South Orange County	SOCWA	CSCWTP	SJCOO	AO Group	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
South Orange County	SOCWA	CSCWTP	SJCOO	City of San Clemente (CSC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
South Orange County	SOCWA	CSCWTP	SJCOO	Flavorchem	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
South Orange County	SOCWA	CSCWTP	SJCOO	Pick Up Stix	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
South Orange County	SOCWA	CSCWTP	SJCOO	South Coast Fashion Jewelry	0.01	0.007212	0.01	0.007212	0.01	0.007212	0.01	0.007212
South Orange County	SOCWA	JBL	SJCOO	Alipaz	0.072	0.011	0.072	0.011	0.072	0.011	0.072	0.011
South Orange County	SOCWA	JBL	SJCOO	ARCO	0.05	0.00168	0.05	0.00168	0.05	0.00168	0.05	0.00168
South Orange County	SOCWA	JBL	SJCOO	City of San Juan Capistrano (CSJC) RO Plant	0.01	0.009	0.01	0.009	0.01	0.009	0.01	0.009
South Orange County	SOCWA	JBL	SJCOO	Del Obispo	0.072	0.0056	0.072	0.0056	0.072	0.0056	0.072	0.0056
South Orange County	SOCWA	JBL	SJCOO	Endevco	0.001	0.000277	0.001	0.000277	0.001	0.000277	0.001	0.000277
South Orange County	SOCWA	JBL	SJCOO	Exxon/Mobil I	0.05	0.001	0.05	0.001	0.05	0.001	0.05	0.001
South Orange County	SOCWA	JBL	SJCOO	Exxon/Mobil II	0.05	0.001	0.05	0.001	0.05	0.001	0.05	0.001
South Orange County	SOCWA	JBL	SJCOO	South Coast Water District (SCWD) RO Plant	0.3	0.2146	0.3	0.2146	0.3	0.2146	0.3	0.2146
South Orange County	SOCWA		Outfall	Dana Point Seawater Desalination Plant	25	25	25	25	25	25	25	25
San Diego	City of Chula Vista	San Diego's Metro Outfall		Sharp Chula Vista Medical Center		0.0009		0.0009		0.0009		0.0009
San Diego	City of Chula Vista	San Diego's Metro Outfall		PRUDENTIAL OVERALL SUPPLY		0.0130		0.0130		0.0130		0.0130
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOUTHWESTERN COLLEGE		0.0004		0.0004		0.0004		0.0004
San Diego	City of Chula Vista	San Diego's Metro Outfall		SCRIPPS MEMORIAL HOSPITAL CHULA VISTA		0.0006		0.0006		0.0006		0.0006
San Diego	City of Chula Vista	San Diego's Metro Outfall		QUALITY LIFT TRUCKS		0.0003		0.0003		0.0003		0.0003
San Diego	City of Chula Vista	San Diego's Metro Outfall		ANNEX AUTOMOTIVE, INC.		0.0001		0.0001		0.0001		0.0001
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOUTH BAY AUTO PARTS		0.0001		0.0001		0.0001		0.0001
San Diego	City of Chula Vista	San Diego's Metro Outfall		OTAY VALLEY SHELL		0.0084		0.0084		0.0084		0.0084
San Diego	City of Chula Vista	San Diego's Metro Outfall		SAN DIEGO COUNTY CATERING		0.0046		0.0046		0.0046		0.0046
San Diego	City of Chula Vista	San Diego's Metro Outfall		GCE INDUSTRIES, INC.		0.0006		0.0006		0.0006		0.0006
San Diego	City of Chula Vista	San Diego's Metro Outfall		SOS METALS SAN DIEGO		0.0001		0.0001		0.0001		0.0001

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Receiving Facility (s)					Planning Year 2020		Planning Year 2025		Planning Year 2030		Planning Year 2035	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
San Diego	City of Chula Vista	San Diego's Metro Outfall		ROHR, INC. DBA GOODRICH AEROSTRUCTURES		0.0254		0.0254		0.0254		0.0254
San Diego	City of Chula Vista	San Diego's Metro Outfall		ALLIED WASTE SERVICES-SAN DIEGO		0.0007		0.0007		0.0007		0.0007
San Diego	City of Chula Vista	San Diego's Metro Outfall		DYNEGY SOUTH BAY, LLC		0.0676		0.0676		0.0676		0.0676
San Diego	City of Chula Vista	San Diego's Metro Outfall		UNITED PARCEL SERVICE		0.0029		0.0029		0.0029		0.0029
San Diego	City of Chula Vista	San Diego's Metro Outfall		MMC CHULA VISTA, LLC		0.0140		0.0140		0.0140		0.0140
San Diego	City of Chula Vista	San Diego's Metro Outfall		WORLD OIL MARKETING COMPANY		0.0144		0.0144		0.0144		0.0144
San Diego	City of Chula Vista	San Diego's Metro Outfall		FULLER FORD		0.0018		0.0018		0.0018		0.0018
San Diego	City of Chula Vista	San Diego's Metro Outfall		DRESSER-RAND		0.0006		0.0006		0.0006		0.0006
San Diego	City of Chula Vista	San Diego's Metro Outfall		ARISE WACO SCAFFOLD EQUIPMENT		0.0005		0.0005		0.0005		0.0005
San Diego	City of Chula Vista	San Diego's Metro Outfall		ATC OF SAN DIEGO		0.0037		0.0037		0.0037		0.0037
San Diego	City of Chula Vista	San Diego's Metro Outfall		ZEPEDA'S RADIATOR SHOP		0.0001		0.0001		0.0001		0.0001
San Diego	SDMWW	North City WRP	sewer	various		0.0300		0.0300		0.0300		0.0300
San Diego	SDMWW	North City WRP	sewer	Toray Membranes USA Inc		0.0250		0.0250		0.0250		0.0250
San Diego	SDMWW	Pt Loma WWTP	sewer	various		0.0500		0.0500		0.0500		0.0500
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-brine		0.0140		0.0140		0.0140		0.0140
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-regulated Conn 210		0.0200		0.0200		0.0200		0.0200
San Diego	Chula Vista	Pt Loma WWTP	sewer	DBA Goodrich Aerostructures-regulated Conn 250		0.0200		0.0200		0.0200		0.0200
San Diego	SD MWW	Pt Loma WWTP	sewer	UT;Convention Center		0.4100		0.4100		0.4100		0.4100
San Diego	SD MWW	Pt Loma WWTP	sewer	CP Kelco Conn 800		0.5300		0.5300		0.5300		0.5300
San Diego	SD MWW	Pt Loma WWTP	sewer	CP Kelco Conn 430		0.8400		0.8400		0.8400		0.8400
San Diego	Lemon Grove	Pt Loma WWTP	sewer	Culligan Water Company of SD Inc		0.0500		0.0500		0.0500		0.0500

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Receiving Facility (s)					Planning Year 2020		Planning Year 2025		Planning Year 2030		Planning Year 2035	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
San Diego	Chula Vista	Pt Loma WWTP	sewer	Dynegy South Bay LCC Conn 200		0.0600		0.0600		0.0600		0.0600
San Diego	SD MWWD	Pt Loma WWTP	sewer	UT; USN FISC Point Loma Fuel Annex		0.0570		0.0570		0.0570		0.0570
San Diego	El Cajon	Pt Loma WWTP	sewer	GKN Aerospace Chem-tronics, Inc		0.0330		0.0330		0.0330		0.0330
San Diego	El Cajon	Pt Loma WWTP	sewer	GKN Aerospace Chem-tronics, Inc		0.0150		0.0150		0.0150		0.0150
San Diego	La Mesa	Pt Loma WWTP	sewer	Grossmont Hospital		0.046 incl san		0.046 incl san		0.046 incl san		0.046 incl san
San Diego	La Mesa	Pt Loma WWTP	sewer	Grossmont Hospital		0.0100		0.0100		0.0100		0.0100
San Diego	SD MWWD	Pt Loma WWTP	sewer	EPCOR-Naval Base San Diego		0.0200		0.0200		0.0200		0.0200
San Diego	SD MWWD	Pt Loma WWTP	sewer	Naval Base San Diego		0.6600		0.6600		0.6600		0.6600
San Diego	SD MWWD	Pt Loma WWTP	sewer	Naval Medical Center San Diego		0.35 incl san		0.35 incl san		0.35 incl san		0.35 incl san
San Diego	SD MWWD	Pt Loma WWTP	sewer	EPCOR - North Island, Coronado Facility		0.0700		0.0700		0.0700		0.0700
San Diego	SD MWWD	SBWRP	sewer	Circle Foods, LLC		0.0510		0.0510		0.0510		0.0510
San Diego	SD MWWD	South Bay WRP	Sewer	East Mesa and Bailey detention facilities		0.53 w/san 0.024 w/o san		0.53 w/san 0.024 w/o san		0.53 w/san 0.024 w/o san		0.53 w/san 0.024 w/o san
San Diego	Otay Mesa	South Bay WRP	Sewer	LS Power Development, LLC		0.1300		0.1300		0.1300		0.1300
San Diego	Otay Mesa	South Bay WRP	Sewer	Otay Mesa Energy Center LLC		0.0800		0.0800		0.0800		0.0800
San Diego	SD MWWD	South Bay WRP	Sewer	RJ Donovan Correctional Facility		0.80 w/san 0.057 w/o san		0.80 w/san 0.057 w/o san		0.80 w/san 0.057 w/o san		0.80 w/san 0.057 w/o san
San Diego	SD MWWD	South Bay WRP	Sewer	Heinz Frozen Foods		0.1300		0.1300		0.1300		0.1300
San Diego	SD MWWD	North City WRP	Sewer	Koch Membrane Syst		0.1700		0.1700		0.1700		0.1700
San Diego	SD MWWD	Pt Loma WWTP	sewer	Coca-Cola Bottling Co of SD		0.3300		0.3300		0.3300		0.3300
San Diego	Poway	North City WRP	sewer	Hallmark Circuits, Inc		0.0700		0.0700		0.0700		0.0700

Industrial Discharger Data or Send Existing Information
in Excel (e.g. Pretreatment Program Documentation)

Receiving Facility (s)					Planning Year 2020		Planning Year 2025		Planning Year 2030		Planning Year 2035	
Region	Agency	Downstream WWTP or Outfall	Sewer or Brine Line	User Name	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)	Maximum Daily or Instantaneous Flow (MGD)	Average Daily Flow (MGD)
San Diego	Poway	North City WRP	sewer	Hallmark Circuits, Inc		0.0005		0.0005		0.0005		0.0005
San Diego	SD MWWD	North City WRP	sewer	Salk institute for Biological Studies		0.0570		0.0570		0.0570		0.0570
San Diego	SD MWWD	Pt Loma WWTP	sewer	Steiner Corp dba AlSCO		0.0720		0.0720		0.0720		0.0720
San Diego	SD MWWD	Pt Loma WWTP	sewer	Angelica Textile Svcs		0.1860		0.1860		0.1860		0.1860
San Diego	SD MWWD	Pt Loma WWTP	sewer	Aramark Uniform Services Inc		0.0750		0.0750		0.0750		0.0750
San Diego	SD MWWD	Pt Loma WWTP	sewer	General Dynamics NASSCO		0.0600		0.0600		0.0600		0.0600
San Diego	SD MWWD	Pt Loma WWTP	sewer	Hydranautics		0.0520		0.0520		0.0520		0.0520
San Diego	Poway	North City WRP	sewer	Palomar Pomerado Health		0.0370		0.0370		0.0370		0.0370
San Diego	SD MWWD	Pt Loma WWTP	sewer	Torvac Div of Darling Intl		0.0200		0.0200		0.0200		0.0200
San Diego	SD MWWD	North City WRP	sewer	UT;Traylor/Shea-rem		0.5000		0.5000		0.5000		0.5000
San Diego	SD MWWD	North City WRP	sewer	UT;Traylor/Shea-rem		0.0720		0.0720		0.0720		0.0720
San Diego	SD MWWD	North City WRP	sewer	UT;Kilroy Realty-constr dewtr		0.0100		0.0100		0.0100		0.0100
San Diego	SD MWWD	North City WRP	sewer	Pall Filtration & Separations Group Inc		0.0540		0.0540		0.0540		0.0540
San Diego	SD MWWD	Pt Loma WWTP	sewer	Kyocera		0.0530		0.0530		0.0530		0.0530
San Diego	SD MWWD	Pt Loma WWTP	sewer	Kyocera		0.0350		0.0350		0.0350		0.0350
San Diego	City of Oceanside	SLR	Sewer	California Creative Foods	0.0500	0.0189	0.0500	0.0189	0.0500	0.0189	0.0500	0.0189
San Diego	City of Oceanside	SLR	Sewer	Deutsch	0.2500	0.1647	0.2500	0.1647	0.2500	0.1647	0.2500	0.1647
San Diego	City of Oceanside	SLR	Sewer	Elite Metal	0.0020	0.0003	0.0020	0.0003	0.0020	0.0003	0.0020	0.0003
San Diego	City of Oceanside	SLR	Sewer	Genentech Oceanside Facility	0.3430	0.1094	0.3430	0.1094	0.3430	0.1094	0.3430	0.1094
San Diego	City of Oceanside	SLR	Sewer	Genentech Oceanside Clinical Production	0.1250	0.0576	0.1250	0.0576	0.1250	0.0576	0.1250	0.0576
San Diego	City of Oceanside	SLR	Sewer	Hydranautics	0.4500	0.3539	0.4500	0.3539	0.4500	0.3539	0.4500	0.3539
San Diego	City of Oceanside	SLR	Sewer	Indigo Labs	0.0003	0.0001	0.0003	0.0001	0.0003	0.0001	0.0003	0.0001
San Diego	City of Oceanside	SLR	Sewer	Nitto Denko	0.0034	0.0021	0.0034	0.0021	0.0034	0.0021	0.0034	0.0021
San Diego	City of Oceanside	SLR	Sewer	Sepro	0.0400	0.0065	0.0400	0.0065	0.0400	0.0065	0.0400	0.0065
San Diego	City of Oceanside	LS	Sewer	Metro Roof	0.0060	0.0025	0.0060	0.0025	0.0060	0.0025	0.0060	0.0025
San Diego	City of Oceanside	LS	Sewer	Mission Linen Service	0.1850	0.0878	0.1850	0.0878	0.1850	0.0878	0.1850	0.0878

Attachment C.4 – Ocean Outfall Information

Ocean Outfall Information

Facility Information							Pipeline Information					
Region	Outfall Facility Name	Operating Agency	Location	Year Originally Constructed or Planned	Type of Flow	Contributing WWTPs or Other Facilities (List out)	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)
Los Angeles	Proposed Brewer Desalter Brineline	WRD	Brewer Desalter		Brine	Redondo Beach Power Plant Outfall			16			
Los Angeles	Brewer Desalter-Joint Intertie	West Basin MWD	Brewer Desalter		Brine	Proposed Brewer Desalter Outfall/ Joint WPCP						
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles Bureau of Sanitation	Santa Monica Bay	1951	Treated Wastewater	Hyperion WWTP; West Basin WRP; LA/Glendale WRP; Burbank WRP Tillman WRP; Ahmanson Ranch; Tapia WRF	Precast Concrete	5,384	144	727.0		
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles Bureau of Sanitation	Santa Monica Bay	1961	Treated Wastewater	Hyperion WWTP; West Basin WRP; LA/Glendale WRP; Burbank WRP Tillman WRP; Ahmanson Ranch; Tapia WRF	Precast Concrete	27,539	144	765.0		
Los Angeles	Joint Outfall (12 foot diameter)	LACSD	White Point	1966	Treated Wastewater	Joint WPCP; Brewer Desalter; Long Beach WRP; Leo J. Vander Lans Treat. Facility; Los Coyotes WRP; Carson Regional WRP; Whittier Narrows WRP; San Jose Creek WRP; Pomona WRP; Pomona Ion Exchange Facility; Upland Ion Exchange Facility		7,048	144	164.0	Need for new tunnel outfall being investigated currently	
Los Angeles	Joint Outfall (8 foot diameter)	LACSD	White Point	1956	Treated Wastewater	Joint WPCP; Brewer Desalter; Long Beach WRP; Leo J. Vander Lans Treat. Facility; Los Coyotes WRP; Carson Regional WRP; Whittier Narrows WRP; San Jose Creek WRP; Pomona WRP; Pomona Ion Exchange Facility; Upland Ion Exchange Facility		10,300	96	106.0	Need for new tunnel outfall being investigated currently	
Los Angeles	Joint Outfall (6 foot diameter)	LACSD	White Point	1947	Treated Wastewater	Joint WPCP; Brewer Desalter; Long Beach WRP; Long Beach Seawater Desalination Plant; Alamitos Barrier Project; Los Coyotes WRP; Carson Regional WRP; Los Coyotes WRP; Whittier Narrows WRP; San Jose Creek WRP; Pomona WRP; Pomona Ion Exchange Facility; Upland Ion Exchange Facility		6,500	72	Not Currently Used	Need for new tunnel outfall being investigated currently	

Ocean Outfall Information

Facility Information							Pipeline Information					
Region	Outfall Facility Name	Operating Agency	Location	Year Originally Constructed or Planned	Type of Flow	Contributing WWTPs or Other Facilities (List out)	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)
Los Angeles	Joint Outfall (5 foot diameter)	LACSD	White Point	1937	Treated Wastewater	Joint WPCP; Brewer Desalter; Long Beach WRP; Leo J. Vander Lans Treat. Facility; Los Coyotes WRP; Carson Regional WRP; Whittier Narrows WRP; San Jose Creek WRP; Pomona WRP; Pomona Ion Exchange Facility; Upland Ion Exchange Facility		10,300	60	Not Currently Used	Need for new tunnel outfall being investigated currently	
Los Angeles	Private Industrial Outfall #1	Private Industrial			Treated Wastewater	West Basin Desalination						
Los Angeles	Private Industrial Outfall #2	Private Industrial			Treated Wastewater	LADWP Seawater Desalination Plant						
Los Angeles	Terminal Island Outfall	City of Los Angeles Bureau of Sanitation	Los Angeles Harbor		Treated Wastewater	Terminal Island WWTP	Precast Concrete	5,875	60	66.0		
North Orange County	AES Huntington Beach Power Generation Facility Outfall	AES										
North Orange County	OCSD Outfall #1	OCSD			Treated Wastewater	Groundwater Replenishment System Green Acres Project IEUA Regional Plant #1,3,4,5 Chino Hills Ion Exchange Facility Carbon Canyon WRP IEUA Arsenic Treatment Facility Beaumont WWTP #1 Wocholz WWTP Yucaipa Valley Regional Water Renewal Redlands WWTP San Bernardino WRP Colton WWTP RIX WRP Rialto WWTP Stringfellow Pretreatment Facility Chino Desalter I, II, III Riverside Regional WQCP Arlington Desalter Temescal Desalter Corona WWTP #1,2,3 Moreno Valley WRP Anita Smith Ion Exchange Facility WMWD Arsenic Treatment Facility WMWD Perchlorate Treatment Facility March WWTP Lake Elsinore Regional WWRF Railroad Canyon WWRF Hemet/San Jacinto WRF Perris Valley WRP Menifee Desalter Perris Desalter I, II EMWD Wastewater Desalting/Recharge Facility Santa Rosa WRF Temecula Valley Regional WRF	RCP	23,760	78	480	None	Sea Creatures in port holes are removed annually

Ocean Outfall Information

Facility Information							Pipeline Information					
Region	Outfall Facility Name	Operating Agency	Location	Year Originally Constructed or Planned	Type of Flow	Contributing WWTPs or Other Facilities (List out)	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)
North Orange County	OCSD Outfall #2	OCSD			Treated Wastewater	Groundwater Replenishment System Green Acres Project IEUA Regional Plant #1,3,4,5 Chino Hills Ion Exchange Facility Carbon Canyon WRP IEUA Arsenic Treatment Facility Beaumont WWTP #1 Wocholz WWTP Yucaipa Valley Regional Water Renewal Redlands WWTP San Bernardino WRP Colton WWTP RIX WRP Rialto WWTP Stringfellow Pretreatment Facility Chino Desalter I, II, III Riverside Regional WQCP Arlington Desalter Temescal Desalter Corona WWTP #1,2,3 Moreno Valley WRP Anita Smith Ion Exchange Facility WMWD Arsenic Treatment Facility WMWD Perchlorate Treatment Facility March WWTP Lake Elsinore Regional WWRF Railroad Canyon WWRF Hemet/San Jacinto WRF Perris Valley WRP Menifee Desalter Perris Desalter I, II EMWD Wastewater Desalting/Recharge Facility Santa Rosa WRF Temecula Valley Regional WRF Frances Desalter	RCP	5,280	120	230	None	Sea Creatures in port holes are removed annually
South Orange County	Aliso Creek Ocean Outfall	SOCWA		Constructed 1977	Treated Wastewater	Coastal TP; Regional TP; El Toro WWTP; Los Alisos WRP; IRWD SGU, IRWD Baker TP, IRWD PPTP	RCP	8,600	48	50 MGD Physical capacity Permitted is 32.86 MGD	None	

Ocean Outfall Information

Facility Information							Pipeline Information					
Region	Outfall Facility Name	Operating Agency	Location	Year Originally Constructed or Planned	Type of Flow	Contributing WWTPs or Other Facilities (List out)	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)
South Orange County	San Juan Creek Ocean Outfall	SOCWA		Placed in use 1978	Treated Wastewater	JB Latham WWTP; San Clemente WRP; 3A Plant; Chiquita WRP; Oso Creek WRP; South Coast Water District - Groundwater Recovery Facility; City of San Juan Capistrano Groundwater Desalter; South Orange Coastal Ocean Desalination Project	RCP	11,826	57	24 gravity 107 during pumping	None	
San Diego	Camp Pendleton Outfall	U.S. Marine Corps	Oceanside, CA	Planned	Treated Wastewater	Camp Pendleton WWTP #13 Camp Pendleton AWT Plant Camp Pendleton Southern Tertiary TP						
San Diego	Encina Outfall Pipeline	Encino JPA			Treated Wastewater	Encina WPCP Carlsbad WRP Gafner WRF						
San Diego	Oceanside Outfall	City of Oceanside			Treated Wastewater	Camp Pendleton WWTP #1 and #2 La Salina WWTP Mission Basin Desalting Facility San Luis Rey WWTP Fallbrook Plant #1			36	46		
San Diego	Point Loma Outfall	City of San Diego			Treated Wastewater	Point Loma WWTP North City WRP Padre Dam WRF			144	432		
San Diego	San Elijo Ocean Outfall	San Elijo JPA			Treated Wastewater	San Elijo WRF			48	24		
San Diego	South Bay Ocean Outfall	City of San Diego			Treated Wastewater	North River Groundwater Desalter South Bay WWTP			144	258 gravity 333 pumped		
Ventura	Ormond Beach Effluent Pipeline	Reliant Energy LLC			Brine				14	688		
Ventura	Hueneme Outfall	Calleguas MWD	City of Port Hueneme	Begin construction in 2009	Concentrate from desalters treating brackish groundwater, tertiary WW	Camrosa WRF (existing), Camrosa WRF desalter (planned), Camarillo WRF (existing), Port Hueneme GW desalter (existing), Camrosa University desalter (planned), Camrosa Conejo desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned)	HDPE/WSP	4500	30	20	None	
Ventura	Oxnard Ocean Outfall	City of Oxnard			Treated Wastewater	Oxnard WWTP/ AWP GREAT Program Desalter			48	50		

Ocean Outfall Information

Facility Information			Discharge Water Quality Permit Limits/ Information													
Region	Outfall Facility Name	Operating Agency	Permit No.	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (YUa)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
Los Angeles	Proposed Brewer Desalter Brineline	WRD														
Los Angeles	Brewer Desalter-Joint Intertie	West Basin MWD														
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles Bureau of Sanitation	NPDES CA0109991			30	30	8.40			0.028	No effluent limits prescribed	TUa = 2.8 Tuc = 84			
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles Bureau of Sanitation	NPDES CA0109992			30	30	8.40			0.028	No effluent limits prescribed	TUa = 2.8 Tuc = 85			
Los Angeles	Joint Outfall (12 foot diameter)	LACSD	R4-2006-0042			30/45	30/45		6-9	100	0.33	No Permit Limit	TUa = 5.3 Tuc = 167			
Los Angeles	Joint Outfall (8 foot diameter)	LACSD	R4-2006-0042			30/45	30/45		6-9	100	0.33	No Permit Limit	TUa = 5.3 Tuc = 167			
Los Angeles	Joint Outfall (6 foot diameter)	LACSD	R4-2006-0042			30/45	30/45		6-9	100	0.3		TUc = 151			

Ocean Outfall Information

Facility Information			Discharge Water Quality Permit Limits/ Information													
Region	Outfall Facility Name	Operating Agency	Permit No.	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (YUa)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
Los Angeles	Joint Outfall (5 foot diameter)	LACSD	R4-2006-0042			30/45	30/45		6-9	100	0.23		TUc = 116			
Los Angeles	Private Industrial Outfall #1	Private Industrial														
Los Angeles	Private Industrial Outfall #2	Private Industrial														
Los Angeles	Terminal Island Outfall	City of Los Angeles Bureau of Sanitation	NPDES CA0053856			15	15	130-330	6.5-8.5	100	0.1	No effluent limits prescribed				
North Orange County	AES Huntington Beach Power Generation Facility Outfall	AES														
North Orange County	OCSD Outfall #1	OCSD	CA0110604		None, but this does impact toxicity tests	30	30		6 to 9		0.36	See attached Constituents document	Acute Toxicity 5.7 TUa; Chronic Toxicity 181 TUc	See attached Constituents document	Turbidity 75 NTU; Suspended Solids 1.0 M/l;	Dilution factor 180 to 1 for certain tests. Sediment sampling also required.

Ocean Outfall Information

Facility Information			Discharge Water Quality Permit Limits/ Information													
Region	Outfall Facility Name	Operating Agency	Permit No.	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (YUa)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
North Orange County	OCSD Outfall #2	OCSD	CA0110604		None, but this does impact toxicity tests	30	30		6 to 9		0.36	See attached Constituents document	Acute Toxicity 5.7 TUa; Chronic Toxicity 181 TUc	See attached Constituents document	Turbidity 75 NTU; Suspended Solids 1.0 MI/l;	Dilution factor 180 to 1 for certain tests. Sediment sampling also required.
South Orange County	Aliso Creek Ocean Outfall	SOCWA	CA0107611			cBOD Average Monthly Limit 25 mg/l and not < 85 % removal	TSS Average Monthly Limit 30 mg/l and not < 85 % removal	626	6.0 - 9.0		2.09 Maximum Daily	(As 7.57) (Cd 1.04) (Cr6 2.09)(Cu 2.61) (Pb 2.09)(Hg 0.0416) (Ni 5.22)(Se 15.7) (Ag 0.689)(Zn 18.8)	Acute = 8.1			

Ocean Outfall Information

Facility Information			Discharge Water Quality Permit Limits/ Information													
Region	Outfall Facility Name	Operating Agency	Permit No.	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (YUa)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
South Orange County	San Juan Creek Ocean Outfall	SOCWA	CA0107417			cBOD Average Monthly Limit 25 mg/l and not < 85 % removal	TSS Average Monthly Limit 30 mg/l and not < 85 % removal	242	6.0 - 9.0		0.808	(As 2.93) (Cd 0.40) (Cr6 =0.81)(Cu 1.01)(Pb 0.81)(Hg 0.016)(Ni 2.02)(Se 6.06)(Ag 0.27)(Zn 7.28)	3.3			
San Diego	Camp Pendleton Outfall	U.S. Marine Corps														
San Diego	Encina Outfall Pipeline	Encino JPA														
San Diego	Oceanside Outfall	City of Oceanside	R9-2005-0136				30	210	6-9		0.7	see permit	see permit	see permit		
San Diego	Point Loma Outfall	City of San Diego														
San Diego	San Elijo Ocean Outfall	San Elijo JPA														
San Diego	South Bay Ocean Outfall	City of San Diego	CA0108928 CA0109045			25 30	30 30		6 - 9 6 - 9				1.5			IWTP SBWRP
Ventura	Ormond Beach Effluent Pipeline	Reliant Energy LLC														
Ventura	Hueneme Outfall	Calleguas MWD	CA0064521, CI-9404	See attached water quality report provided by Calleguas MWD on 2/11/09												
Ventura	Oxnard Ocean Outfall	City of Oxnard														

Ocean Outfall Information

Facility Information			Discharge Water Quality Data/ Information													Current/End of 2008		
Region	Outfall Facility Name	Operating Agency	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (Yua)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional issues	Comments	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Proposed Brewer Desalter Brineline	WRD																
Los Angeles	Brewer Desalter-Joint Intertie	West Basin MWD																
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles Bureau of Sanitation	896		18.00	19.00	35.00	6.80		<0.1	See Website http://www2.san.ci.la.ca.us/permit/index.html	TUa=0.6 TUc=25				450.0		321.0
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles Bureau of Sanitation	897		18.00	19.00	35.00	6.80		<0.2	See Website http://www2.san.ci.la.ca.us/permit/index.html	TUa=0.6 TUc=26				450.0		321.0
Los Angeles	Joint Outfall (12 foot diameter)	LACSD	1349	253	6.00	15.00	34.30	7.20	81	<0.1	<0.05	TUa = 1.89 TUc = 42			All parameters measures at the Joint Water Pollution Control Plant except residual Chlorine	164.0	208.0	201.0
Los Angeles	Joint Outfall (8 foot diameter)	LACSD	1349	253	6.00	15.00	34.00	7.00	81	<0.1	<0.05	TUa = 1.89 TUc = 42			All parameters measures at the Joint Water Pollution Control Plant except residual Chlorine	106.0	112.0	108.0
Los Angeles	Joint Outfall (6 foot diameter)	LACSD																

Ocean Outfall Information

Facility Information			Discharge Water Quality Data/ Information													Current/End of 2008		
Region	Outfall Facility Name	Operating Agency	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (Yua)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional issues	Comments	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Joint Outfall (5 foot diameter)	LACSD																
Los Angeles	Private Industrial Outfall #1	Private Industrial																
Los Angeles	Private Industrial Outfall #2	Private Industrial																
Los Angeles	Terminal Island Outfall	City of Los Angeles Bureau of Sanitation			2.00	1.00	0.50	7.30	78	<0.01	See Website http://www2.san.ci.la.ca.us/permit/index.html					30.0		15.6
North Orange County	AES Huntington Beach Power Generation Facility Outfall	AES																
North Orange County	OCSD Outfall #1	OCSD	Effluent density 997.9 kg/m3		BOD-T 42	32	35	7.9	79.8	0.07	See attached Constituents document	see below on line 50 in ug/l not mg/l	See attached Constituents document	Dilution factor 180 to 1 for certain tests. Sediment sampling also required.		480.00	550.00	170.00

Ocean Outfall Information

Facility Information			Discharge Water Quality Data/ Information													Current/End of 2008		
Region	Outfall Facility Name	Operating Agency	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (Yua)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional issues	Comments	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
North Orange County	OCSD Outfall #2	OCSD														230.00	0.00	250.00
South Orange County	Aliso Creek Ocean Outfall	SOCWA	1057	370	5.5 cBOD	8.7	20.8	6.5	25.0	0.02	As = 0.007, Cd = ND<0.005, Cr = ND<0.006, Cu = 0.012, Pb = ND<0.019, Hg = ND<0.00073, Ni = ND<0.010, Se = ND<0.026, Zn =0.034	1.07				50.00	25.00	13.30

Ocean Outfall Information

Facility Information			Discharge Water Quality Data/ Information													Current/End of 2008		
Region	Outfall Facility Name	Operating Agency	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Temp (°C)	Residual Chlorine Concentration (mg/l)	Heavy Metals (mg/l)	Toxicity (Yua)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional issues	Comments	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
South Orange County	San Juan Creek Ocean Outfall	SOCWA	1258	412	6.2	7.6	25.9	7.2	25.0		As = < 0.025, Cd = ND<0.005, Cr = 0.003, Cu = 0.018, Pb = 0.009, Hg = ND<.00073, Ni = 0.015, Se =ND <0.026, Zn =0.058	1.35				36.39	29.40	17.70
San Diego	Camp Pendleton Outfall	U.S. Marine Corps																
San Diego	Encina Outfall Pipeline	Encino JPA																
San Diego	Oceanside Outfall	City of Oceanside	1270				25		18		Zn 0.02	1.73						32.60
San Diego	Point Loma Outfall	City of San Diego	1100															192.00
San Diego	San Elijo Ocean Outfall	San Elijo JPA	1100															
San Diego	South Bay Ocean Outfall	City of San Diego	1360															28.00
Ventura	Ormond Beach Effluent Pipeline	Reliant Energy LLC	2051															
Ventura	Hueneme Outfall	Calleguas MWD	See attached water quality report provided by Calleguas MWD on 2/11/09															
Ventura	Oxnard Ocean Outfall	City of Oxnard																29.30

Ocean Outfall Information

Facility Information			Planning Year 2010			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Proposed Brewer Desalter Brineline	WRD															
Los Angeles	Brewer Desalter-Joint Intertie	West Basin MWD															
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles Bureau of Sanitation	450.0		342.0	450.0		350.0	450.0		358.0	450.0		363.0	450.0		368.0
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles Bureau of Sanitation	450.0		342.0	450.0		350.0	450.0		358.0	450.0		363.0	450.0		368.0
Los Angeles	Joint Outfall (12 foot diameter)	LACSD	164.0	208.0	201.0	164.0	208.0	201.0	164.0	208.0	201.0	164.0	208.0	201.0	164.0	208.0	201.0
Los Angeles	Joint Outfall (8 foot diameter)	LACSD	106.0	112.0	108.0	106.0	112.0	108.0	106.0	112.0	108.0	106.0	112.0	108.0	106.0	112.0	108.0
Los Angeles	Joint Outfall (6 foot diameter)	LACSD															

Ocean Outfall Information

Facility Information			Planning Year 2010			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Joint Outfall (5 foot diameter)	LACSD															
Los Angeles	Private Industrial Outfall #1	Private Industrial															
Los Angeles	Private Industrial Outfall #2	Private Industrial															
Los Angeles	Terminal Island Outfall	City of Los Angeles Bureau of Sanitation	30.0		16.0	30.0		16.0	30.0		16.0	30.0		16.0	30.0		16.0
North Orange County	AES Huntington Beach Power Generation Facility Outfall	AES															
North Orange County	OCSD Outfall #1	OCSD	480.00	335.00	148.00	480.00	351.00	148.00	480.00	372.00	148.00	480.00	372.00	148.00	480.00	406.00	199.20

Ocean Outfall Information

Facility Information			Planning Year 2010			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
North Orange County	OCSD Outfall #2	OCSD	230.00	0.00	0.00	230.00	0.00	0.00	230.00	0.00	0.00	230.00	0.00	0.00	230.00	0.00	0.00
South Orange County	Aliso Creek Ocean Outfall	SOCWA	50.00	25.00	13.30	50.00	25.00	13.30	50.00	25.00	13.30	50.00	25.00	13.30	50.00	25.00	13.30

Ocean Outfall Information

Facility Information			Planning Year 2010			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
South Orange County	San Juan Creek Ocean Outfall	SOCWA	36.39	32.00	18.00	36.40	32.00	18.00	36.40	40.00	22.00	36.40	40.00	22.00	36.40	40.00	22.00
San Diego	Camp Pendleton Outfall	U.S. Marine Corps															
San Diego	Encina Outfall Pipeline	Encino JPA															
San Diego	Oceanside Outfall	City of Oceanside			32.60			32.60			32.60			32.60			32.60
San Diego	Point Loma Outfall	City of San Diego			192.00			192.00			192.00			192.00			192.00
San Diego	San Elijo Ocean Outfall	San Elijo JPA															
San Diego	South Bay Ocean Outfall	City of San Diego			28.00			28.00			28.00			28.00			28.00
Ventura	Ormond Beach Effluent Pipeline	Reliant Energy LLC															
Ventura	Hueneme Outfall	Calleguas MWD	20.00	20.00	Unk	20.00	20.00	Unk	20.00	20.00	Unk	20.00	20.00	Unk	20.00	20.00	Unk
Ventura	Oxnard Ocean Outfall	City of Oxnard															

Ocean Outfall Information

Facility Information			Planning Year 2035		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Proposed Brewer Desalter Brineline	WRD			
Los Angeles	Brewer Desalter-Joint Intertie	West Basin MWD			
Los Angeles	Hyperion 1-mile Bypass Outfall	City of Los Angeles Bureau of Sanitation	550.0		375.0
Los Angeles	Hyperion 5- mile Outfall	City of Los Angeles Bureau of Sanitation	550.0		375.0
Los Angeles	Joint Outfall (12 foot diameter)	LACSD	164.0	208.0	201.0
Los Angeles	Joint Outfall (8 foot diameter)	LACSD	106.0	112.0	108.0
Los Angeles	Joint Outfall (6 foot diameter)	LACSD			

Ocean Outfall Information

Facility Information			Planning Year 2035		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Los Angeles	Joint Outfall (5 foot diameter)	LACSD			
Los Angeles	Private Industrial Outfall #1	Private Industrial			
Los Angeles	Private Industrial Outfall #2	Private Industrial			
Los Angeles	Terminal Island Outfall	City of Los Angeles Bureau of Sanitation	30.0		16.0
North Orange County	AES Huntington Beach Power Generation Facility Outfall	AES			
North Orange County	OCSD Outfall #1	OCSD	480.00	406.00	199.20

Ocean Outfall Information

Facility Information			Planning Year 2035		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
North Orange County	OCSD Outfall #2	OCSD	230.00	0.00	0.00
South Orange County	Aliso Creek Ocean Outfall	SOCWA	50.00	25.00	13.30

Ocean Outfall Information

Facility Information			Planning Year 2035		
Region	Outfall Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
South Orange County	San Juan Creek Ocean Outfall	SOCWA	36.40	40.00	22.00
San Diego	Camp Pendleton Outfall	U.S. Marine Corps			
San Diego	Encina Outfall Pipeline	Encino JPA			
San Diego	Oceanside Outfall	City of Oceanside			32.60
San Diego	Point Loma Outfall	City of San Diego			192.00
San Diego	San Elijo Ocean Outfall	San Elijo JPA			
San Diego	South Bay Ocean Outfall	City of San Diego			28.00
Ventura	Ormond Beach Effluent Pipeline	Reliant Energy LLC			
Ventura	Hueneme Outfall	Calleguas MWD	20.00	20.00	Unk
Ventura	Oxnard Ocean Outfall	City of Oxnard			

**Attachment C.5 – Brinelines, WWTP Land Outfalls,
and Sewer Interconnection Information**

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information						
Region	Brine Facility Name	Operating Agency	Contributing WWTPs or Other Facilities (List out)	End of Pipe Location/ Connection	Year Originally Constructed or Planned	Type of Flow
Inland Empire	SARI Reach 1 (Interplant Diversion Pipeline)	OCSD		OCSD Plant #1 Ellis Ave to Brookhurst then continues to Plant #2	1971	M&I and Brine
Inland Empire	SARI Reach 2	OCSD		La Palma/Grove (Anaheim)	1973	M&I and Brine
Inland Empire	SARI Reach 3	OCSD		Richfield/La Plama (Anaheim)	1973	M&I and Brine
Inland Empire	SARI Reach 4	OCSD		Imperial Hwy/ La Palma (Anaheim)	1973	M&I and Brine
Inland Empire	SARI Reach 5	OCSD		Featherly Park Boundary	1974	M&I and Brine
Inland Empire	SARI Reach 6	OCSD		Near Railroad	1976	M&I and Brine
Inland Empire	SARI Reach 7	OCSD		Green River Cart Path	1976	M&I and Brine
Inland Empire	SARI Reach 8	OCSD		County Line	1976	SAWPA ONLY FLOW
Inland Empire	SARI Reach IV	SAWPA		SARI Reach III	1975	Brine
Inland Empire	SARI Reach IVA	SAWPA/ IEUA	Chino Desalter I Chino Hills Ion Exchange Facility IEUA Regional Plant #5 Carbon Canyon WRP	SARI Reach IV	1981	Brine
Inland Empire	SARI Reach IVB	SAWPA	Arlington Desalter Corona WWTP #1,2 Temescal Desalter	SARI Reach IV	1981, 1996	Brine
Inland Empire	SARI Reach IVD	SAWPA	Stringfellow Pretreatment Facility Chino Desalter II, III	SARI Reach IVA	1990, 1991, 1992	Brine

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information						
Region	Brineline Facility Name	Operating Agency	Contributing WWTPs or Other Facilities (List out)	End of Pipe Location/ Connection	Year Originally Constructed or Planned	Type of Flow
Inland Empire	SARI Reach IVE	SAWPA	Rialto WWTP RIX WRP Colton WWTP	SARI Reach IVB	1994	Brine
Inland Empire	YUCAIPA -SARI	Yucaipa Valley WD	Yucaipa Valley Regional Water Renewal Redlands WWTP San Bernardino WRP	SARI Reach IVE	not started	Brine
Inland Empire	Temescal Valley Regional Interceptor (SARI Reach V)	SAWPA	Lake Elsinore Regional WWRF Corona WWTP #3	SARI Reach IVB	2000	Brine
Inland Empire	SBMWD - SARI Station	San Bernardino MWD		SBMWD WRP	1994	Hauled Waste
Inland Empire	Temecula Valley Brineline	EMWD	Temecula Valley Regional WRF Santa Rosa WRF Railroad Canyon WWRF Lake Elsinore Regional WWRF	Temescal Valley Regional Interceptor (SARI Reach V)		Brine
Inland Empire	EMWD Proposed Brineline	EMWD	Moreno Valley WRF Smith Ion Exchange Facility WMWD Arsenic Treatment Facility WMWD Perchlorate Treatment Facility March WWTP Perris Valley WRP Menifee Desalter Hemet/San Jacinto WRF Perris Desalter I, II EMWD Wastewater Desalting/Recharge Facility	Temecula Valley Brineline		Brine
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD	Carson Regional WRP	Joint WPCP		Brine
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD	Long Beach WRP Leo J. Vander Lans Treatment Facility Long Beach Seawater Desalination Plant	Joint WPCP		Brine
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD	Los Coyotes WRP LB Wetlands Project	Joint WPCP		Treated Wastewater
Los Angeles	LACSD Brine Interceptor	LACSD	Whittier Narrows WRP San Jose Creek WRP	Joint WPCP		Brine
Los Angeles	Pomona Effluent Pipeline	LACSD	Pomona WRP	Pomona WRP/ LACSD Brine Interceptor		Treated Wastewater
Los Angeles	West Basin Brineline	West Basin MWD	West Basin WRP	Hyperion WWTP		Brine
North Orange County						
North Orange County						

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information						
Region	Brine Facility Name	Operating Agency	Contributing WWTPs or Other Facilities (List out)	End of Pipe Location/ Connection	Year Originally Constructed or Planned	Type of Flow
South Orange County	3A Effluent Transmission Main	Moulton Niguel Water District	Oso Creek WRP 3A Plant	Chiquita Land Outfall	1968	Treated Wastewater
South Orange County	North Coast Interceptor	City of Laguna Beach		South Coast WRP		Raw Sewage
South Orange County	SOCWA Effluent Transmission Main Reach A	IRWD	Los Alisos WRP IRWD-IDP & SGU	SOCWA Effluent Transmission Main	1979	Treated Wastewater- Brine/Groundwater Cleanup
South Orange County	SOCWA Effluent Transmission Main Reach BC & D	SOCWA	Los Alisos WRP, IRWD IDP, IRWD SGU, El Toro WWTP,	SOCWA Effluent Transmission Main	1979	Treated Wastewater- Brine/Groundwater Cleanup
South Orange County	SOCWA Effluent Transmission Main Reach E	SOCWA	Los Alisos WRP, IRWD IDP, IRWD SGU, El Toro WWTP, Joint Regional Plant, Coastal Treatment Plant	Aliso Creek Ocean Outfall	1979	Treated Wastewater- Brine/Groundwater Cleanup
South Orange County	SOCWA On Shore Outfall	SOCWA	Los Alisos WRP, IRWD IDP, IRWD SGU, El Toro WWTP, Joint Regional Plant, Coastal Treatment Plant	Aliso Creek Ocean Outfall	1979	Treated Wastewater Brine/Groundwater Cleanup
South Orange County	Orange County Regional Brine Line	OCWD	Tustin Desalter Frances Desalter Irvine Desalter	Irvine Desalter		Brine

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information						
Region	Brine Facility Name	Operating Agency	Contributing WWTPs or Other Facilities (List out)	End of Pipe Location/ Connection	Year Originally Constructed or Planned	Type of Flow
San Diego	City of Escondido Outfall	City of Escondido	Hale Ave WRF	San Elijo WRF	2005	Brine
San Diego	City of San Diego Brine	City of San Diego	Mission Valley Desalination Plant, San Diego Formation Desalination Plant	South Bay WWTP/ Ocean Outfall (from Mission Valley Desal Brine to San Diego County Regional Brine)	2012	Brine
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	Padre Dam WRF, El Cajon, Lakeside, County of San Diego Thru Mission Gorge, City of San Diego Flow added after Mission Gorge	Point Loma WWTP/ Point Loma Outfall	Early 1960's, relined in early 1990's	PDMWD Discharges several flow stream thru the E Mission Gorge Interceptor including:
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	Padre Dam WRF, El Cajon, Lakeside, County of San Diego Thru Mission Gorge, City of San Diego Flow added after Mission Gorge	Point Loma WWTP/ Point Loma Outfall	Early 1960's, relined in early 1990's	Raw Wastewater
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	Padre Dam WRF, El Cajon, Lakeside, County of San Diego Thru Mission Gorge, City of San Diego Flow added after Mission Gorge	Point Loma WWTP/ Point Loma Outfall	Early 1960's, relined in early 1990's	Sludge (Primary, WAS, Chemical & Scum)
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	Padre Dam WRF, El Cajon, Lakeside, County of San Diego Thru Mission Gorge, City of San Diego Flow added after Mission Gorge	Point Loma WWTP/ Point Loma Outfall	Early 1960's, relined in early 1990's	Brine
San Diego	Encina Outfall Pipeline	Buena SD	Encina WPCF	Encina Outfall Pipeline - JPA		Treated Wastewater
San Diego	Fallbrook - Camp Pendleton Outfall Pipeline	Fallbrook PUD	Fallbrook Plant #1 Camp Pendleton WWTP #1,2	Oceanside Outfall		Treated Wastewater
San Diego	Leucadia CWD Brine	Leucadia CWD	Gafner WRF Carlsbad WRP	Encina WPCF/ Encina Outfall		Brine
San Diego	Mission Basin Brine	City of Oceanside	Mission Basin Desalting Facility	La Salina WWTP/ Oceanside Outfall		Brine

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information						
Region	Brine Facility Name	Operating Agency	Contributing WWTPs or Other Facilities (List out)	End of Pipe Location/ Connection	Year Originally Constructed or Planned	Type of Flow
San Diego	Mission Valley Desal Brine Line	To Be Determined	Mission Valley Desalination Plant	South Bay WWTP/ Ocean Outfall (from Mission Valley Desalter to San Diego Formation Desalter & City of San Diego Brine Line)	2012	Brine
San Diego	Otay Mesa Brine Disposal Pipeline	Otay WD	South Bay WWTP	South Bay WWTP/ Ocean Outfall	Proposed on-line 2011	Brine
San Diego	San Diego County Regional Brine Line	To Be Determined	Mission Valley Desalination Plant, San Diego Formation Desalination Plant, Richard Reynolds Desalination Plant	South Bay WWTP/ Ocean Outfall	2012	Brine
San Diego	San Luis Rey 24" Effluent Force Main	City of Oceanside	San Luis Rey WWTP	San Luis Rey 27" Effluent Force Main		Treated Wastewater
San Diego	San Luis Rey 27" Effluent Force Main	City of Oceanside	San Luis Rey WWTP	San Luis Rey 36" Effluent Force Main		Treated Wastewater
San Diego	San Luis Rey 36" Effluent Force Main	City of Oceanside	San Luis Rey WWTP	La Salina WWTP/ Oceanside Outfall		Treated Wastewater
San Diego	San Pasqual Groundwater Desalter	City of San Diego	San Pasqual Groundwater Desalter	City of Escondido Outfall	2013	Brine

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information						
Region	Brine Facility Name	Operating Agency	Contributing WWTPs or Other Facilities (List out)	End of Pipe Location/ Connection	Year Originally Constructed or Planned	Type of Flow
Ventura	Calleguas Regional Salinity Management Pipeline (SMP) Phase 1A	Calleguas MWD	Camrosa WRF (existing), Camarillo WRF (existing), Hill Canyon WWTP (planned), Camrosa desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	unincorporated Ventura County, Hueneme Road & Arnold Road	construction complete 2004	Brine
Ventura	SMP Phase 1B	Calleguas MWD	Camrosa WRF (existing), Camarillo WRF (existing), Hill Canyon WWTP (planned), Camrosa desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	unincorporated Ventura County, Hueneme Road & Hwy 1	construction complete 2009	Brine
Ventura	SMP Phase 1C	Calleguas MWD	Camrosa WRF (existing), Camarillo WRF (existing), Hill Canyon WWTP (planned), Camrosa desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	unincorporated Ventura County, Hueneme Road & Edison Road	construction complete 2008	Brine
Ventura	SMP Phase 1D	Calleguas MWD	Camrosa WRF (existing), Camarillo WRF (existing), Hill Canyon WWTP (planned), Camrosa desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	unincorporated Ventura County, Hueneme Road and Laguna Road	construction complete 2009	Brine
Ventura	SMP Phase 1E	Calleguas MWD	Camrosa WRF (existing), Camarillo WRF (existing), Hill Canyon WWTP (planned), Port Hueneme GW desalter (existing), Camrosa desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	Hueneme Beach Parking Lot A	construction to begin 2009	Brine
Ventura	SMP Phase 2A	Calleguas MWD	Camrosa desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	unincorporated Ventura County, Old Lewis Road about 2,000' north of Portrero Road	construction to begin 2013	Brine
Ventura	SMP Phase 2B	Calleguas MWD	Camrosa desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	unincorporated Ventura County, Lewis Road & Cawelti Road	construction to begin 2014	Brine
Ventura	SMP Phase 2C	Calleguas MWD	Camrosa desalter (planned), Camarillo desalter (planned), Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	Camarillo, Lewis Road & Daily Drive	construction to begin 2015	
Ventura	SMP Phases 2DEF	Calleguas MWD	Somis desalter (planned), Moorpark desalter (planned), West Simi Desalter (planned)	Camarillo, Lewis Road & Las Posas Road	construction to begin 2016	
Ventura	SMP Phases 3ABC	Calleguas MWD	West Simi Desalter (planned)	unincorporated Ventura County, Hwy 118 & Grimes Canyon Road	construction to begin 2019	

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Pipeline Information							
Region	Brineline Facility Name	Operating Agency	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)	Solids Settlement Problems (Please describe)	Any Planned Treatment or Maintenance Method
Inland Empire	SARI Reach 1 (Interplant Diversion Pipeline)	OCSD	RCP	67600	63 to 78	80.0	None	None	None	
Inland Empire	SARI Reach 2	OCSD	RCP	5400	51 to 54	70.0	None	None	None	
Inland Empire	SARI Reach 3	OCSD	RCP	6300	48	61.0	None	None	None	
Inland Empire	SARI Reach 4	OCSD	RCP	6000	48	54.0	None	None	None	
Inland Empire	SARI Reach 5	OCSD	RCP	26800	42 to 51	46.0	None	None	None	
Inland Empire	SARI Reach 6	OCSD	RCP/VCP	9600	42 to 45	37.0	None	None	None	
Inland Empire	SARI Reach 7	OCSD	VCP	1250	39	35.0	Relocate River crossing section	None	None	
Inland Empire	SARI Reach 8	OCSD	VCP	2150	39	30.0	Relocate River crossing section	None	None	
Inland Empire	SARI Reach IV	SAWPA	RCP	16416	60	30.1			See comment	Line Cleaning and Inspection
Inland Empire	SARI Reach IVA	SAWPA/ IEUA	RCP	39379	48	20.7	Lining of Unlined RCP Pipe planned	Minor scale formation (Ca, Mg)	Minor	line cleaning and cctv inspection in 2007
Inland Empire	SARI Reach IVB	SAWPA	RCP	3100	36	26.1	Lining of approximately 3 miles Upstream of Prado Dam is planned			Line Cleaning and Inspection
Inland Empire	SARI Reach IVD	SAWPA	VCP, HDPE, RCP	97623	48	20.0	Repairs to Mission Tunnel are planned in the near future			Line Cleaning and Inspection

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Pipeline Information							
Region	Brineline Facility Name	Operating Agency	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)	Solids Settlement Problems (Please describe)	Any Planned Treatment or Maintenance Method
Inland Empire	SARI Reach IVE	SAWPA	RCP	35507	48	13.5				Line Cleaning and Inspection
Inland Empire	YUCAIPA -SARI	Yucaipa Valley WD								
Inland Empire	Temescal Valley Regional Interceptor (SARI Reach V)	SAWPA	HDPE	116650	30	15.0				
Inland Empire	SBMWD - SARI Station	San Bernardino MWD				2.5	None	Scale	None	Flush line periodically
Inland Empire	Temecula Valley Brineline	EMWD			12	2.0				
Inland Empire	EMWD Proposed Brineline	EMWD								
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD								
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD			24					
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD								
Los Angeles	LACSD Brine Interceptor	LACSD								
Los Angeles	Pomona Effluent Pipeline	LACSD								
Los Angeles	West Basin Brineline	West Basin MWD								
North Orange County										
North Orange County										

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Pipeline Information							
Region	Brineline Facility Name	Operating Agency	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)	Solids Settlement Problems (Please describe)	Any Planned Treatment or Maintenance Method
South Orange County	3A Effluent Transmission Main	Moulton Niguel Water District	ACP	18200	20 - 30	3.5	None	NDA	None	None
South Orange County	North Coast Interceptor	City of Laguna Beach								
South Orange County	SOCWA Effluent Transmission Main Reach A	IRWD	RPMP	12102	21	7.5	Replacement of all or part within 10 years	NDA	None	None
South Orange County	SOCWA Effluent Transmission Main Reach BC & D	SOCWA	RPMP & RCP	34728	21 - 27	15.0	Possible Replacement of RPMP section within 10 years	NDA	None	None
South Orange County	SOCWA Effluent Transmission Main Reach E	SOCWA	RCP	17120	36 - 39	32.2	None	NDA	None	None
South Orange County	SOCWA On Shore Outfall	SOCWA	RCP	5409	48	50.0	None	NDA	None	None
South Orange County	Orange County Regional Brineline	OCWD								

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Pipeline Information							
Region	Brineline Facility Name	Operating Agency	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)	Solids Settlement Problems (Please describe)	Any Planned Treatment or Maintenance Method
San Diego	City of Escondido Outfall	City of Escondido			12.0	1.5				
San Diego	City of San Diego Brineline	City of San Diego								
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	Varies: Rehabbed RCP & PLRCP	33,000' of 27" thru Mission Gorge, then 85,000' to PLWTP	27" thru Mission Gorge, Dia., 72" and greater as City of SD flow is added.	Total Capacity is 28 mgd in 27" thru Mission Gorge, PDMWD Peak Cap = 9.695 mgd	None	None	None	None
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	Varies: Rehabbed RCP & PLRCP	33,000' of 27" thru Mission Gorge, then 85,000' to PLWTP	27" thru Mission Gorge, Dia., 72" and greater as City of SD flow is added.	Total Capacity is 28 mgd in 27" thru Mission Gorge, PDMWD Peak Cap = 9.695 mgd	None	None	None	None
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	Varies: Rehabbed RCP & PLRCP	33,000' of 27" thru Mission Gorge, then 85,000' to PLWTP	27" thru Mission Gorge, Dia., 72" and greater as City of SD flow is added.	Total Capacity is 28 mgd in 27" thru Mission Gorge, PDMWD Peak Cap = 9.695 mgd	None	None	None	None
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	Varies: Rehabbed RCP & PLRCP	33,000' of 27" thru Mission Gorge, then 85,000' to PLWTP	27" thru Mission Gorge, Dia., 72" and greater as City of SD flow is added.	Total Capacity is 28 mgd in 27" thru Mission Gorge, PDMWD Peak Cap = 9.695 mgd	None	None	None	None
San Diego	Encina Outfall Pipeline	Buena SD								
San Diego	Fallbrook - Camp Pendleton Outfall Pipeline	Fallbrook PUD				2.7	None			
San Diego	Leucadia CWD Brineline	Leucadia CWD								
San Diego	Mission Basin Brineline	City of Oceanside			10.0					

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Pipeline Information							
Region	Brineline Facility Name	Operating Agency	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)	Solids Settlement Problems (Please describe)	Any Planned Treatment or Maintenance Method
San Diego	Mission Valley Desal Brineline	To Be Determined								
San Diego	Otay Mesa Brine Disposal Pipeline	Otay WD			12.0	1.8				
San Diego	San Diego County Regional Brineline	To Be Determined								
San Diego	San Luis Rey 24" Effluent Force Main	City of Oceanside			24.0					
San Diego	San Luis Rey 27" Effluent Force Main	City of Oceanside			27.0					
San Diego	San Luis Rey 36" Effluent Force Main	City of Oceanside			36.0					
San Diego	San Pasqual Groundwater Desalter	City of San Diego			8.0	1.2				

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Pipeline Information							
Region	Brine Line Facility Name	Operating Agency	Pipe Material	Length (feet)	Size (inches)	Capacity (MGD)	Planned Expansions, Additions or Lengthenings? (Please describe and note the planned year)	Scale Formation Problems (Please describe)	Solids Settlement Problems (Please describe)	Any Planned Treatment or Maintenance Method
Ventura	Calleguas Regional Salinity Management Pipeline (SMP) Phase 1A	Calleguas MWD	HDPE	21,000	48	20				
Ventura	SMP Phase 1B	Calleguas MWD	PVC	9,000	48	20				
Ventura	SMP Phase 1C	Calleguas MWD	PVC	4,000	48	20				
Ventura	SMP Phase 1D	Calleguas MWD	PVC/HDPE	1,300	48	20				
Ventura	SMP Phase 1E	Calleguas MWD	CML&C WSP	10,500	48	20				
Ventura	SMP Phase 2A	Calleguas MWD	TBD	11,800	30	15				
Ventura	SMP Phase 2B	Calleguas MWD	TBD	11,800	30	15				
Ventura	SMP Phase 2C	Calleguas MWD	TBD	11,800	30	15				
Ventura	SMP Phases 2DEF	Calleguas MWD	TBD	35,400	24	12				
Ventura	SMP Phases 3ABC	Calleguas MWD	TBD	52,200	24/18	8				

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Discharge Water Quality Data/ Information										
Region	Brineline Facility Name	Operating Agency	Discharge Order/ Agreement	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Heavy Metals (mg/l)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
Inland Empire	SARI Reach 1 (Interplant Diversion Pipeline)	OCSD	1972/1996 CBMWP/OCSD Agreements										
Inland Empire	SARI Reach 2	OCSD	1972/1996 CBMWP/OCSD Agreements										
Inland Empire	SARI Reach 3	OCSD	1972/1996 CBMWP/OCSD Agreements										
Inland Empire	SARI Reach 4	OCSD	1972/1996 CBMWP/OCSD Agreements										
Inland Empire	SARI Reach 5	OCSD	1972/1996 CBMWP/OCSD Agreements										
Inland Empire	SARI Reach 6	OCSD	1972/1996 CBMWP/OCSD Agreements										
Inland Empire	SARI Reach 7	OCSD	1972/1996 CBMWP/OCSD Agreements										
Inland Empire	SARI Reach 8	OCSD	1972/1996 CBMWP/OCSD Agreements			166	296						
Inland Empire	SARI Reach IV	SAWPA		4955	2003	112	220		7.38			VSS =152.67 mg/l SILICA = 131 mg/l	AVG from County Line
Inland Empire	SARI Reach IVA	SAWPA/ IEUA		3600	500	1200	600	214	7.70			VSS =528 mg/L Si = 24 mg/L	Data provided by IEUA
Inland Empire	SARI Reach IVB	SAWPA											All water quality values are taken at S01, and represent all of the flow from the Upper SARI system, Data by SARI reach is not available.
Inland Empire	SARI Reach IVD	SAWPA											All water quality values are taken at S01, and represent all of the flow from the Upper SARI system, Data by SARI reach is not available.

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Discharge Water Quality Data/ Information										
Region	Brineline Facility Name	Operating Agency	Discharge Order/ Agreement	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Heavy Metals (mg/l)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
Inland Empire	SARI Reach IVE	SAWPA											All water quality values are taken at S01, and represent all of the flow from the Upper SARI system, Data by SARI reach is not available.
Inland Empire	YUCAIPA -SARI	Yucaipa Valley WD											
Inland Empire	Temescal Valley Regional Interceptor (SARI Reach V)	SAWPA											All water quality values are taken at S01, and represent all of the flow from the Upper SARI system, Data by SARI reach is not available.
Inland Empire	SBMWD - SARI Station	San Bernardino MWD	Agreement w/ SBVMWD and SAWPA		670	400 - 2000	47 - 1800		7.6 - 9.3	1.315 - 5.381	0.00628 - 0.0451		
Inland Empire	Temecula Valley Brineline	EMWD											
Inland Empire	EMWD Proposed Brineline	EMWD											
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD											
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD											
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD											
Los Angeles	LACSD Brine Interceptor	LACSD											
Los Angeles	Pomona Effluent Pipeline	LACSD											
Los Angeles	West Basin Brineline	West Basin MWD											
North Orange County													
North Orange County													

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Discharge Water Quality Data/ Information										
Region	Brineline Facility Name	Operating Agency	Discharge Order/ Agreement	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Heavy Metals (mg/l)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
South Orange County	3A Effluent Transmission Main	Moulton Niguel Water District	CA0107417	980	360	8.0	6.4		7.0	As = < 0.025, Cd = ND<0.005, Cr = 0.003, Cu = 0.018, Pb = 0.009, Hg = ND<.00073, Ni = 0.015, Se =ND <0.026, Zn =0.058			
South Orange County	North Coast Interceptor	City of Laguna Beach											
South Orange County	SOCWA Effluent Transmission Main Reach A	IRWD	CA0107611	1300	420	9.0	13.4		7.4	As = 0.007, Cd = ND<0.005, Cr = ND <0.006, Cu = 0.012, Pb = ND<0.019, Hg = ND<.00073, Ni =ND <0.010, Se =ND <0.026, Zn =0.034			
South Orange County	SOCWA Effluent Transmission Main Reach BC & D	SOCWA	CA0107611	1250	400	10.0	15.0		7.4	As = 0.007, Cd = ND<0.005, Cr = ND <0.006, Cu = 0.012, Pb = ND<0.019, Hg = ND<.00073, Ni =ND <0.010, Se =ND <0.026, Zn =0.034			
South Orange County	SOCWA Effluent Transmission Main Reach E	SOCWA	CA0107611	1100	380	5.5	8.8	20.5	6.6	As = 0.007, Cd = ND<0.005, Cr = ND <0.006, Cu = 0.012, Pb = ND<0.019, Hg = ND<.00073, Ni =ND <0.010, Se =ND <0.026, Zn =0.034			
South Orange County	SOCWA On Shore Outfall	SOCWA	CA0107611	1100	380	5.5 cBOD							
South Orange County	Orange County Regional Brineline	OCWD											

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Discharge Water Quality Data/ Information										
Region	Brineline Facility Name	Operating Agency	Discharge Order/ Agreement	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Heavy Metals (mg/l)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
San Diego	City of Escondido Outfall	City of Escondido	R9-2005-0139	900			35		7.3	0.1	0.0		
San Diego	City of San Diego Brineline	City of San Diego											
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD											
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD		850		320	300	35	7.2				
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD		875		26200	8985						
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD		4250	1250	<25	<25	<2.5	varies	species dependent	Low		
San Diego	Encina Outfall Pipeline	Buena SD											
San Diego	Fallbrook - Camp Pendleton Outfall Pipeline	Fallbrook PUD											
San Diego	Leucadia CWD Brineline	Leucadia CWD											
San Diego	Mission Basin Brineline	City of Oceanside											

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Discharge Water Quality Data/ Information										
Region	Brineline Facility Name	Operating Agency	Discharge Order/ Agreement	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Heavy Metals (mg/l)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
San Diego	Mission Valley Desal Brineline	To Be Determined											
San Diego	Otay Mesa Brine Disposal Pipeline	Otay WD				<25	<30		6.0				
San Diego	San Diego County Regional Brineline	To Be Determined											
San Diego	San Luis Rey 24" Effluent Force Main	City of Oceanside		900									
San Diego	San Luis Rey 27" Effluent Force Main	City of Oceanside		900									
San Diego	San Luis Rey 36" Effluent Force Main	City of Oceanside		900									
San Diego	San Pasqual Groundwater Desalter	City of San Diego		6000									

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Discharge Water Quality Data/ Information										
Region	Brine Facility Name	Operating Agency	Discharge Order/ Agreement	TDS (mg/l)	Hardness (mg/l)	BOD (mg/l)	TSS (mg/l)	Ammonia-Nitrogen (mg/l)	pH	Heavy Metals (mg/l)	Trace Organics (including EDCs, disinfection by-products, PhACs) (mg/l)	Note any additional information	Comments
Ventura	Calleguas Regional Salinity Management Pipeline (SMP) Phase 1A	Calleguas MWD		2051	See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phase 1B	Calleguas MWD		2051	See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phase 1C	Calleguas MWD		2051	See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phase 1D	Calleguas MWD		2051	See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phase 1E	Calleguas MWD	CA0064521, CI-9403		See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phase 2A	Calleguas MWD	CA0064521, CI-9404		See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phase 2B	Calleguas MWD	CA0064521, CI-9405		See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phase 2C	Calleguas MWD	CA0064521, CI-9406		See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phases 2DEF	Calleguas MWD	CA0064521, CI-9406		See attached water quality report provided by Calleguas MWD on 2/11/09								
Ventura	SMP Phases 3ABC	Calleguas MWD	CA0064521, CI-9406		See attached water quality report provided by Calleguas MWD on 2/11/09								

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Water Quality Limitations	Cost Information			Current/End of 2008			Planning Year 2010		
Region	Brineline Facility Name	Operating Agency	Note any specific limitations to water quality for each brineline	Unit Discharge Cost	Energy Cost	Operation and Maintenance Cost	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	SARI Reach 1 (Interplant Diversion Pipeline)	OCSD					80.00	60.00	35.00	80.00	66.20	37.50
Inland Empire	SARI Reach 2	OCSD					70.00	41.90	25.20	70.00	41.90	25.20
Inland Empire	SARI Reach 3	OCSD					61.00	39.20	23.10	61.00	39.20	23.10
Inland Empire	SARI Reach 4	OCSD					54.00	37.90	22.34	54.00	37.90	22.34
Inland Empire	SARI Reach 5	OCSD					46.00	33.70	19.40	46.00	33.70	19.40
Inland Empire	SARI Reach 6	OCSD					37.00	32.40	16.90	37.00	32.40	16.90
Inland Empire	SARI Reach 7	OCSD					35.00	30.00	16.90	35.00	30.00	16.90
Inland Empire	SARI Reach 8	OCSD					30.00	28.00	14.70	30.00	30.00	16.00
Inland Empire	SARI Reach IV	SAWPA	See Attached Document	See comment	3,300	1,270,000	30.10	13.00	13.00	30.10	17.89	17.89
Inland Empire	SARI Reach IVA	SAWPA/ IEUA					20.70			20.70		
Inland Empire	SARI Reach IVB	SAWPA					26.10		14.70	26.10		14.70
Inland Empire	SARI Reach IVD	SAWPA					20.00			20.00		

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Water Quality Limitations	Cost Information			Current/End of 2008			Planning Year 2010		
Region	Brineline Facility Name	Operating Agency	Note any specific limitations to water quality for each brineline	Unit Discharge Cost	Energy Cost	Operation and Maintenance Cost	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	SARI Reach IVE	SAWPA					13.50		2.90	13.50		2.90
Inland Empire	YUCAIPA -SARI	Yucaipa Valley WD										
Inland Empire	Temescal Valley Regional Interceptor (SARI Reach V)	SAWPA					15.00		8.30	15.00		8.30
Inland Empire	SBMWD - SARI Station	San Bernardino MWD				\$20k/year	2.50	0.0001	0.0001	2.50	0.0001	0.0001
Inland Empire	Temecula Valley Brineline	EMWD										
Inland Empire	EMWD Proposed Brineline	EMWD										
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD										
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD										
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD										
Los Angeles	LACSD Brine Interceptor	LACSD										
Los Angeles	Pomona Effluent Pipeline	LACSD										
Los Angeles	West Basin Brineline	West Basin MWD										
North Orange County												
North Orange County												

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Water Quality Limitations	Cost Information			Current/End of 2008			Planning Year 2010		
Region	Brineline Facility Name	Operating Agency	Note any specific limitations to water quality for each brineline	Unit Discharge Cost	Energy Cost	Operation and Maintenance Cost	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
South Orange County	3A Effluent Transmission Main	Moulton Niguel Water District	SJCOO Permit Limits				3.50	4.20	1.60	3.50	4.20	2.00
South Orange County	North Coast Interceptor	City of Laguna Beach										
South Orange County	SOCWA Effluent Transmission Main Reach A	IRWD	ACOO Permit limits	\$22 / MG (IRWD)	\$70.00/ MG (IRWD)	\$ 7000/ year (IRWD)	7.50	8.20	4.95	7.50	8.20	3.00
South Orange County	SOCWA Effluent Transmission Main Reach BC & D	SOCWA	ACOO Permit limits	ETWD & IRWD would have costs			15.00	14.20	8.90	15.00	14.50	8.00
South Orange County	SOCWA Effluent Transmission Main Reach E	SOCWA	ACOO Permit limits				32.20	25.05	13.40	32.20	27.00	12.50
South Orange County	SOCWA On Shore Outfall	SOCWA	ACOO Permit limits				50.00	25.10	13.40	50.00	27.00	12.50
South Orange County	Orange County Regional Brineline	OCWD										

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Water Quality Limitations	Cost Information			Current/End of 2008			Planning Year 2010		
Region	Brineline Facility Name	Operating Agency	Note any specific limitations to water quality for each brineline	Unit Discharge Cost	Energy Cost	Operation and Maintenance Cost	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
San Diego	City of Escondido Outfall	City of Escondido					1.50	1.10	0.90	1.50	1.10	0.90
San Diego	City of San Diego Brineline	City of San Diego										
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD		\$35.50/MGD Transportation Cost			9.70	5.97	3.77	9.70	6.97	4.37
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD					9.70	5.80	3.60	9.70	6.80	4.20
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD					9.70	0.17	0.17	9.70	0.17	0.17
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD					9.70	0.00	0.00	9.70	0.00	0.00
San Diego	Encina Outfall Pipeline	Buena SD										
San Diego	Fallbrook - Camp Pendleton Outfall Pipeline	Fallbrook PUD					2.70	2.50	2.00	2.70	2.50	2.00
San Diego	Leucadia CWD Brineline	Leucadia CWD										
San Diego	Mission Basin Brineline	City of Oceanside										

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Water Quality Limitations	Cost Information			Current/End of 2008			Planning Year 2010		
Region	Brineline Facility Name	Operating Agency	Note any specific limitations to water quality for each brineline	Unit Discharge Cost	Energy Cost	Operation and Maintenance Cost	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
San Diego	Mission Valley Desal Brineline	To Be Determined										
San Diego	Otay Mesa Brine Disposal Pipeline	Otay WD										
San Diego	San Diego County Regional Brineline	To Be Determined										
San Diego	San Luis Rey 24" Effluent Force Main	City of Oceanside										
San Diego	San Luis Rey 27" Effluent Force Main	City of Oceanside										
San Diego	San Luis Rey 36" Effluent Force Main	City of Oceanside										
San Diego	San Pasqual Groundwater Desalter	City of San Diego		TBD	TBD	TBD	NA			NA		

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Water Quality Limitations	Cost Information			Current/End of 2008			Planning Year 2010		
Region	Brineline Facility Name	Operating Agency	Note any specific limitations to water quality for each brineline	Unit Discharge Cost	Energy Cost	Operation and Maintenance Cost	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Ventura	Calleguas Regional Salinity Management Pipeline (SMP) Phase 1A	Calleguas MWD		See attached tables on capital costs & projected O&M costs.						20.00	1.50	1.50
Ventura	SMP Phase 1B	Calleguas MWD								20.00	1.50	1.50
Ventura	SMP Phase 1C	Calleguas MWD								20.00	1.50	1.50
Ventura	SMP Phase 1D	Calleguas MWD								20.00	1.50	1.50
Ventura	SMP Phase 1E	Calleguas MWD								20.00	1.50	1.50
Ventura	SMP Phase 2A	Calleguas MWD										
Ventura	SMP Phase 2B	Calleguas MWD										
Ventura	SMP Phase 2C	Calleguas MWD										
Ventura	SMP Phases 2DEF	Calleguas MWD										
Ventura	SMP Phases 3ABC	Calleguas MWD										

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030			Planning Year 2035		
Region	Brineline Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	SARI Reach 1 (Interplant Diversion Pipeline)	OCSD	80.00	66.20	37.50	80.00	70.00	52.70	80.00	70.00	52.70	80.00	70.00	54.70	80.00	70.00	54.70
Inland Empire	SARI Reach 2	OCSD	70.00	41.90	25.20	70.00	42.60	27.70	70.00	42.60	27.70	70.00	42.60	29.70	70.00	42.60	29.70
Inland Empire	SARI Reach 3	OCSD	61.00	39.20	23.10	61.00	39.80	25.50	61.00	39.80	25.50	61.00	39.80	27.60	61.00	39.80	27.60
Inland Empire	SARI Reach 4	OCSD	54.00	37.90	22.34	54.00	38.40	24.70	54.00	38.40	24.70	54.00	38.40	27.00	54.00	38.40	27.00
Inland Empire	SARI Reach 5	OCSD	46.00	33.70	19.40	46.00	34.10	21.60	46.00	34.10	21.60	46.00	34.10	23.70	46.00	34.10	23.70
Inland Empire	SARI Reach 6	OCSD	37.00	32.40	16.90	37.00	31.30	18.90	37.00	31.30	18.90	37.00	31.30	20.90	37.00	31.30	20.90
Inland Empire	SARI Reach 7	OCSD	35.00	30.00	16.90	35.00	30.00	18.90	35.00	30.00	18.90	35.00	30.00	20.50	35.00	30.00	20.50
Inland Empire	SARI Reach 8	OCSD	30.00	30.00	16.00	30.00	30.00	18.00	30.00	30.00	18.00	30.00	30.00	20.00	30.00	30.00	20.00
Inland Empire	SARI Reach IV	SAWPA	30.10	26.70	26.70	30.10	26.70	26.70	30.10	28.16	28.16	30.10	28.16	28.16	30.10	28.16	28.16
Inland Empire	SARI Reach IVA	SAWPA/ IEUA	20.70			20.70			20.70			20.70			20.70		
Inland Empire	SARI Reach IVB	SAWPA	26.10		14.70	26.10		14.70	26.10		14.70	26.10		14.70	26.10		14.70
Inland Empire	SARI Reach IVD	SAWPA	20.00			20.00			20.00			20.00			20.00		

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030			Planning Year 2035		
Region	Brineline Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Inland Empire	SARI Reach IVE	SAWPA	13.50		2.90	13.50		2.90	13.50		2.90	13.50		2.90	13.50		2.90
Inland Empire	YUCAIPA -SARI	Yucaipa Valley WD															
Inland Empire	Temescal Valley Regional Interceptor (SARI Reach V)	SAWPA	15.00		8.30	15.00		8.30	15.00		8.30	15.00		8.30	15.00		8.30
Inland Empire	SBMWD - SARI Station	San Bernardino MWD	2.50	0.0001	0.0001	2.50	0.0001	0.0001	2.50	0.0001	0.0001	2.50	0.0001	0.0001	2.50	0.0001	0.0001
Inland Empire	Temecula Valley Brineline	EMWD															
Inland Empire	EMWD Proposed Brineline	EMWD															
Los Angeles	Carson WRP- Joint WPCF Intertie	LACSD															
Los Angeles	Long Beach WRP - Joint WPCF Intertie	WRD															
Los Angeles	Los Coyotes WRP - Joint WPCF Intertie	LACSD															
Los Angeles	LACSD Brine Interceptor	LACSD															
Los Angeles	Pomona Effluent Pipeline	LACSD															
Los Angeles	West Basin Brineline	West Basin MWD															
North Orange County																	
North Orange County																	

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030			Planning Year 2035		
Region	Brineline Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
South Orange County	3A Effluent Transmission Main	Moulton Niguel Water District	3.50	4.20	2.00	3.50	4.20	2.00	3.50	4.20	2.00	3.50	4.20	2.00	3.50	4.20	2.00
South Orange County	North Coast Interceptor	City of Laguna Beach															
South Orange County	SOCWA Effluent Transmission Main Reach A	IRWD	7.50	8.20	3.00	7.50	8.20	3.00	7.50	8.20	3.00	7.50	8.20	3.00	7.50	8.20	3.00
South Orange County	SOCWA Effluent Transmission Main Reach BC & D	SOCWA	15.00	15.00	7.50	15.00	15.00	6.00	15.00	15.00	6.00	15.00	15.00	6.00	15.00	15.00	6.00
South Orange County	SOCWA Effluent Transmission Main Reach E	SOCWA	32.20	27.00	12.00	32.20	27.00	12.00	32.20	27.00	12.00	32.20	27.00	12.00	32.20	27.00	12.00
South Orange County	SOCWA On Shore Outfall	SOCWA	50.00	27.00	12.00	50.00	27.00	12.00	50.00	27.00	12.00	50.00	27.00	12.00	50.00	27.00	12.00
South Orange County	Orange County Regional Brineline	OCWD															

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030			Planning Year 2035		
Region	Brine Line Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
San Diego	City of Escondido Outfall	City of Escondido	1.50	2.00	1.80	1.50	2.00	1.80	1.50	2.00	1.80	1.50	2.00	1.80	1.50	2.00	1.80
San Diego	City of San Diego Brine Line	City of San Diego		0.12	0.12		0.12	0.12		0.12	0.12		0.12	0.12		0.12	0.12
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	9.70	6.48	4.06	9.70	1.84	1.84	9.70	1.84	1.84	9.70	1.84	1.84	9.70	1.84	1.84
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	9.70	5.70	3.50	9.70	0.00	0.00	9.70	0.00	0.00	9.70	0.00	0.00	9.70	0.00	0.00
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	9.70	0.33	0.33	9.70	0.84	0.84	9.70	0.84	0.84	9.70	0.84	0.84	9.70	0.84	0.84
San Diego	East Mission Gorge Interceptor System	Padre Dam MWD	9.70	0.45	0.23	9.70	1.00	1.00	9.70	1.00	1.00	9.70	1.00	1.00	9.70	1.00	1.00
San Diego	Encina Outfall Pipeline	Buena SD															
San Diego	Fallbrook - Camp Pendleton Outfall Pipeline	Fallbrook PUD	2.70	2.50	2.00	2.70	2.50	2.00	2.70	2.50	2.00	2.70	2.50	2.00	2.70	2.50	2.00
San Diego	Leucadia CWD Brine Line	Leucadia CWD															
San Diego	Mission Basin Brine Line	City of Oceanside															

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030			Planning Year 2035		
Region	Brineline Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
San Diego	Mission Valley Desal Brineline	To Be Determined		1.60	1.60		1.60	1.60		1.60	1.60		1.60	1.60		1.60	1.60
San Diego	Otay Mesa Brine Disposal Pipeline	Otay WD	0.70	0.70	0.44	1.80	1.80	1.10	1.80	1.80	1.10	1.80	1.80	1.10	1.80	1.80	1.10
San Diego	San Diego County Regional Brineline	To Be Determined		6.04	6.04		7.30	7.30		9.30	9.30		9.30	9.30		9.30	9.30
San Diego	San Luis Rey 24" Effluent Force Main	City of Oceanside															
San Diego	San Luis Rey 27" Effluent Force Main	City of Oceanside															
San Diego	San Luis Rey 36" Effluent Force Main	City of Oceanside															
San Diego	San Pasqual Groundwater Desalter	City of San Diego	1.20	1.20	1.00	1.20	1.20	1.00	1.20	1.20	1.00	1.20	1.20	1.00	1.20	1.20	1.00

Brinelines and WWTP Outfall/Inter-Connection Information

Facility Information			Planning Year 2015			Planning Year 2020			Planning Year 2025			Planning Year 2030			Planning Year 2035		
Region	Brine Line Facility Name	Operating Agency	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)
Ventura	Calleguas Regional Salinity Management Pipeline (SMP) Phase 1A	Calleguas MWD	20.00	4.40	4.40	20.00	10.15	10.15	20.00	10.15	9.02	20.00	10.15	10.15	20.00	11.15	11.15
Ventura	SMP Phase 1B	Calleguas MWD	20.00	4.40	4.40	20.00	10.15	10.15	20.00	10.15	9.02	20.00	10.15	10.15	20.00	11.15	11.15
Ventura	SMP Phase 1C	Calleguas MWD	20.00	4.40	4.40	20.00	10.15	10.15	20.00	10.15	9.02	20.00	10.15	10.15	20.00	11.15	11.15
Ventura	SMP Phase 1D	Calleguas MWD	20.00	4.40	4.40	20.00	10.15	10.15	20.00	10.15	9.02	20.00	10.15	10.15	20.00	11.15	11.15
Ventura	SMP Phase 1E	Calleguas MWD	20.00	4.40	4.40	20.00	10.15	10.15	20.00	10.15	9.02	20.00	10.15	10.15	20.00	11.15	11.15
Ventura	SMP Phase 2A	Calleguas MWD	15.00	0.80	0.80	15.00	6.55	6.55	15.00	6.55	5.42	15.00	6.55	6.55	15.00	6.55	6.55
Ventura	SMP Phase 2B	Calleguas MWD	15.00	0.80	0.80	15.00	6.55	6.55	15.00	6.55	5.42	15.00	6.55	6.55	15.00	6.55	6.55
Ventura	SMP Phase 2C	Calleguas MWD	15.00	0.80	0.80	15.00	6.55	6.55	15.00	6.55	5.42	15.00	6.55	6.55	15.00	6.55	6.55
Ventura	SMP Phases 2DEF	Calleguas MWD				12.00	5.15	5.15	12.00	5.15	4.02	12.00	5.15	5.15	12.00	5.15	5.15
Ventura	SMP Phases 3ABC	Calleguas MWD				8.00	1.00	1.00	8.00	1.00	1.00	8.00	1.00	1.00	8.00	1.00	1.00

**Attachment C.6 – Groundwater Desalter and
Groundwater Cleanup Treatment Plant Capacity and
Discharge Data**

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

Facility Information									
Region	Facility Name	Facility Owner	Address/ Location	Year Originally Constructed or Planned	Treatment Method(s)	Purpose of Plant	Constituents in Source Water	Brine Discharge Location (Existing/ Future)	Notes (Include any source or discharge limitations)
Inland Empire	Anita Smith Ion Exchange Facility	Western Municipal Water District				Groundwater - Potable Use	TDS (Salts)	TVRI/SARI/OCSD Outfall	
Inland Empire	Arlington Desalter	Western Municipal Water District	Riverside, CA	1990		Groundwater - Potable Use, recharge	Nitrate, TDS (Salts), Other	SARI/OCSD Outfall	Sewer Discharge
Inland Empire	Chino Desalter I	Chino Basin Desalter Authority/ IEUA	6905 Kimball Avenue, Chino, 91708	1998	RO (95% of flow), IX (5% of flow), VOC stripping, chloramination (?)	Groundwater - Potable Use	TDS (Salts)	SARI/OCSD Outfall	Currently produces 10,000 tons of salt. Permitted by IEUA.
Inland Empire	Chino Desalter II	Chino Basin Desalter Authority/ Jurupa			probably similar to Chino Desalter 1	Groundwater - Potable Use	TDS (Salts)	SARI/OCSD Outfall	Contact Dan Ducasse at Jurupa for information on this non-IEUA facility.
Inland Empire	Chino Desalter III	Chino Basin Desalter Authority		2035		Groundwater - Potable Use	TDS (Salts)	SARI/OCSD Outfall	Proposed plant whose size has not yet been specified.
Inland Empire	Inland Empire Energy Center (IEEC)	Eastern Municipal Water District		in operation		Treatment for Cooling Water Use		EMWD Reach IV/TVRI/SARI/OCSD Outfall	Identified in the CDM Report 2008.
Inland Empire	Ion Exchange Facility (Chino Hills)	City of Chino Hills/ IEUA		Built but not currently used		Groundwater - Potable Use	TDS (Salts) and Nitrates	SARI/OCSD Outfall	Plant is not currently operating, but future flows have been included in the analysis. Managed by City of Chino Hills.
Inland Empire	Lower Bunker Hill Desalter	Unknown				Groundwater	TDS (Salts), TCE, PCE, and Perchlorate	SARI/OCSD Outfall	
Inland Empire	Menifee Desalter	Eastern Municipal Water District	Sun City, CA	2003	RO	Groundwater - Potable Use	TDS (Salts); High calcium sulfate	EMWD Reach IV/TVRI/SARI/OCSD Outfall	
Inland Empire	Perris Desalter I	Eastern Municipal Water District		2006	RO	Groundwater - Potable Use	TDS (Salts)	EMWD Reach IV/TVRI/SARI/OCSD Outfall	
Inland Empire	Perris Desalter II	Eastern Municipal Water District		2015	RO	Groundwater - Potable Use	TDS (Salts)	EMWD Reach IV/TVRI/SARI/OCSD Outfall	Data taken from EMWD WFMP, as well as information from Maryam and Ufuk based on the CDM Report.
Inland Empire	Stringfellow Facility	California Department of Toxic Substances Control				Groundwater - Contamination	VOCs, Heavy metals (cadmium, nickel, chromium, manganese), Organic Pollutants (PCBs, pesticides, sulfates)	SARI/OCSD Outfall	New plant (same size) to permanently replace existing plant at current location and capacity will come online in 2010. Reject stream is landfilled. Product water is discharged into SARI pipeline.
Inland Empire	Temescal Desalter	City of Corona	745 Corporation Yard Way, Corona	2001		Groundwater - Potable Use	TDS (Salts)	TVRI/SARI/OCSD Outfall	Sewer Discharge
Inland Empire	Yucaipa Valley Regional Water Supply Renewal Project	Yucaipa Valley Water District		2035		Salt Removal from WTP	TDS (Salts)	TVRI/SARI/OCSD Outfall	RO unit at WTP to increase ability to use recycle water
Los Angeles	Beverly Hills Desalter	City of Beverly Hills			Reverse Osmosis	Groundwater - Potable Use	TDS (Salts)	Hyperion Outfall	
Los Angeles	City of Chino Ion Exchange Facility	City of Chino/ LA County	11840 Benson Ave. Chino CA 91708	2005	Ion exchange	Groundwater - Potable Use	TDS (Salts)	LACSD Outfall	Joint permit with City of Chino and LA County
Los Angeles	Goldsworthy Desalter	WRD/ City of Torrance	Torrance, CA	2001 (Planned expansion for 2011)		Groundwater - Potable Use	Chlorides, TDS (Salts)	JOS System	20 year groundwater recovery program. Sewer discharge.
Los Angeles	C. Marvin Brewer Desalter	West Basin MWD	Torrance, CA	1993		Groundwater - Potable Use	TDS (Salts)	LACSD Outfall	Removes saline plume/ Future Redondo Beach Power Plant Outfall; Surface Discharge
Los Angeles	Monte Vista WD Ion Exchange	Monte Vista WD/ City of Chino	in City of Montclair	2010	Ion exchange	Groundwater - Potable Use	TDS (Salts)	LACSD Outfall	Jointly managed by Monte Vista WD and City of Chino. Facility is built and will be online in the next few years.
Los Angeles	Ontario Ion Exchange	City of Ontario			Ion exchange	Groundwater - Potable Use	Nitrate and possibly other?	LACSD Outfall	
Los Angeles	Pomona Ion Exchange Facility	LA County				Groundwater - Potable Use	TDS (Salts)	LACSD Outfall	
Los Angeles	Upland Ion Exchange Facility	City of Upland/ IEUA/ LACSD	1258 W. 9th St. Upland, CA 91786	2007	Ion exchange	Groundwater - Potable Use	Nitrates	LACSD Outfall	Joint permit with LACSD and IEUA

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

Facility Information									
Region	Facility Name	Facility Owner	Address/ Location	Year Originally Constructed or Planned	Treatment Method(s)	Purpose of Plant	Constituents in Source Water	Brine Discharge Location (Existing/ Future)	Notes (Include any source or discharge limitations)
North Orange County	Deep Aquifer Treatment Plant (DATS)	IRWD	On Segrestrom Near Bear	2002	NF	Color Removal	Organics, Color	OCSD Outfall #1	Brine goes to OCSD. Sewer discharge.
North Orange County	Frances Desalter	IRWD/OCWD	Northeast Tustin within IRWD Jurisdiction	2010	RO	Groundwater - Potable Use	TDS (Salts), Nitrates, Hardness	Proposed Irvine Brineline - >SARI/OCSD Outfall	In planning phase, location is in the Northeast Tustin within IRWD Jurisdiction
North Orange County	Tustin Desalter	IRWD/OCWD	17th Street Tustin, CA	1990		Groundwater - Potable Use	TDS (Salts), Nitrates	SARI/OCSD Outfall	Sewer Discharge
North Orange County	Wells 21 & 22	IRWD	Ex-Tustin Marine Corp. Air Base at Edinger and Tustin Ranch Rds	2011 / 2012	RO/ NF	Groundwater - Potable Use	Nitrates, TDS	OCSD	Plant could expand to 7 MGD with additional wells. No current plan to add wells.
South Orange County	Baker WTP	IRWD	Wysteria and Trabucco Canyon Rds. Lake Forest	2012	MF	MWD/ Irvine Lake raw water treatment for potable use		SOCWA (Aliso Creek Ocean Outfall)	
South Orange County	City of San Juan Capistrano Groundwater Desalter	City of San Juan Capistrano	32470 Paseo Adelanto, San Juan Capistrano CA 92675	2005	Green Sand to remove FE & Mn, followed by RO to lower the total dissolved solids	Groundwater - Potable Use	TDS (Salts), Iron (Fe), Manganese (MN)	SOCWA Outfall - with brine high in TDS. The iron and manganese are discharged to the sewer system. (San Juan Creek Outfall)	Brine discharge is limited by the conditions of the permit attached to this e-mail
South Orange County	Irvine Non-Potable Shallow Groundwater Unit (SGU) Desalter	IRWD	El Toro Airbase Marine Way	2007	Airstrip/ GAC	Groundwater - Contamination	TCE, VOCs, TDS	SOCWA (Aliso Creek Ocean Outfall)	Brine/Concentrate Produced is the permeate. IRWD will reuse water if Great Park opens, using RO to reduce TDS. Range is 300-400 gpd. Currently water is not reused ---- treated and discharged.
South Orange County	Irvine Principal Potable Treatment Plant (PPTP) Desalter	IRWD	26 Waterworks Way	2007	RO	Groundwater - Potable Use	TDS (Salts)	SOCWA (Aliso Creek Ocean Outfall)	
South Orange County	South Coast Water District - Groundwater Recovery Facility	South Coast Water District	33750 Stonehill Dr. Dana Point, CA 92629	2007	Reverse Osmosis/ Greensand Filtration	Groundwater-Potable Use	TDS (Salts), Iron, Manganese	SOCWA - JB Latham Treatment Plant (San Juan Creek Outfall)	DISCHARGE LIQUID (Concentrate and Iron & Manganese Backwash)
South Orange County	South Orange Coastal Ocean Desalination Project	Five-agency JPA	Dana Point	2015	RO	Seawater Desal for potable use	TDS	SOCWA (San Juan Creek Outfall)	
San Diego	Balboa Park Groundwater Desalination Facility	City of San Diego		2012					
San Diego	Camp Pendleton AWT Plant	Camp Pendleton	To be located in Hayburn Canyon	2010	GAC, RO, Filtration	GW Cleanup, Desalting (TDS)	TDS,	Brine to discharge in wave or splash zone at jetty in Camp Pendleton	
San Diego	Mission Basin Desalting Facility	City of Oceanside	Fireside Drive Oceanside, CA	1994	RO	Groundwater - Potable Use	TDS (Salts), Iron, Manganese	Mission Basin Brineline/ La Salina WWTP/ Oceanside Ocean Outfall	Currently expanding to 6.37 mgd but ultimate size is 13 mgd. The SDCWA report suggests an ultimate expansion of 20 mgd.
San Diego	Mission Valley Groundwater Desalination	City of San Diego	Mission Valley Basin	2012	RO	Groundwater - Potable Use	TDS (Salts)	Point Loma treatment plant and ocean outfall	Identified in SDCWA Groundwater Resource Development Report (1997) as a potential source of 1.43 mgd brackish groundwater in Mission Valley alluvial aquifer.
San Diego	North River Groundwater Desalter	Tia Juana Valley WD		Not likely		Groundwater - Potable Use	TDS (Salts)	South Bay Outfall	Desalter is still in preliminary study phase. No size for desalter has been developed thus far.
San Diego	Otay River Desalination Plant	Sweetwater Authority/ Otay Water District	Chula Vista, CA	2015 (Phase I) 2020 (Phase II)	RO	Groundwater - Potable Use	TDS (Salts)	San Diego County Regional Brineline	Identified in SDCWA Regional Concentrate Conveyance System Feasibility Study as a potential brine discharger to the planned regional brineline.
San Diego	Rainbow MWD Desalination Facility	Rainbow MWD	Bonsall Basin			Groundwater - Potable Use	TDS (Salts)	San Luis Rey River	Identified in SDCWA Groundwater Resource Development Report (1997) as a potential source of 3,000 afy (2.68 mgd) brackish groundwater in Bonsall Basin.

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

Facility Information									
Region	Facility Name	Facility Owner	Address/ Location	Year Originally Constructed or Planned	Treatment Method(s)	Purpose of Plant	Constituents in Source Water	Brine Discharge Location (Existing/ Future)	Notes (Include any source or discharge limitations)
San Diego	Ramona Desalting Facility	Ramona MWD	Western Santa Maria Basin		RO	Brackish groundwater treatment	TDS (Salts)		Identified in SDCWA Groundwater Resource Development Report (1997) as a potential source of unknown brackish groundwater in the western/ central part of the Santa Maria basin. Ramona currently extracts potable gw from the eastern part of the basin.
San Diego	Rancho del Rey Well Desalination	Otay Water District					TDS (Salts)		
San Diego	Richard Reynolds Groundwater Demineralization Facility (Phase I and II)	Sweetwater Authority	Chula Vista, CA	1999	RO	Groundwater - Potable Use	TDS (Salts)	Sweetwater River	TDS of brine stream is about 6,000 ppm, river under tidal influence with TDS of 40,000 ppm; Surface Discharge
San Diego	San Diego Formation Groundwater Desalination Facility	City of San Diego/San Diego County Water Authority	San Diego Formation in the mid-City or Balboa Park area		RO	Brackish groundwater treatment	TDS (Salts)	Point Loma treatment plant and ocean outfall (or South Bay WWTP and outfall)	Identified in SDCWA Groundwater Resource Development Report (1997) as a potential source of at least 1.8 mgd of brackish groundwater in the San Diego Formation.
San Diego	San Dieguito Desalting Facility	San Dieguito Basin Task Force	Lower San Dieguito Basin		RO	Brackish groundwater treatment	TDS (Salts)		Identified in SDCWA Groundwater Resource Development Report (1997) as a potential source of 5.35 mgd brackish groundwater in San Dieguito Basin
San Diego	San Pasqual Groundwater Desalter	City of San Diego	Near old San Pasqual WWTP	2013	RO	Groundwater-Potable Use	TDS	New 8" - 38,400 foot long brine line to be constructed to connect to Escondido Outfall. Capacity will be 1.2 MGD	
San Diego	Santee Desalination Facility	Padre Dam MWD/ Helix WD	Santee Basin		RO	Brackish groundwater treatment	TDS (Salts)	Padre Dam MWD sewer system	Identified in SDCWA Groundwater Resource Development Report (1997) as a potential source of 3 mgd brackish groundwater in the eastern Santee Basin or western El Monte Basin
Ventura	Camarillo Groundwater Desalter (Wells A and B)	City of Camarillo - Public Works Water Division	Mailing Address: 601 Carmen Drive Camarillo CA 93010 Desalter Location: 3901 Las Posas Road	TBD	Reverse Osmosis	Remove high salts in GW. Product water would replace imported supplies	Mn, Fe, TDS, Sulfate, Chloride,	Future - Calleguas Salinity Management Pipeline (point of connection: Las Posas/Lewis Road)	
Ventura	Camrosa Groundwater Desalter (Conejo No. 3 and Woodcreek Wells)	Camrosa Water District		2010	RO, possibly pretreatment for iron removal	Brackish groundwater treatment	Iron, manganese, sulfate	Calleguas SMP	
Ventura	GREAT Program Desalter Facility	City of Oxnard		2008	RO	Brackish groundwater treatment	High TDS & hardness	Oxnard WWTP Outfall	
Ventura	Port Hueneme Water Agency Brackish Water Desalter	Port Hueneme Water Agency	Perkins Road, Oxnard, CA	1999	RO, NF & EDR	Brackish groundwater treatment	High TDS & hardness	Current: Oxnard sewer system Future: Calleguas SMP	
Ventura	Somis Desalter	Calleguas MWD	West of the South Las Posas Basin Regional Desalter in Somis	2017	RO	Brackish groundwater treatment	High TDS	Calleguas SMP - Phase 2DEF	
Ventura	South Las Posas Desalter (Moorpark Desalter)	Calleguas MWD	Moorpark	2017	RO	Brackish groundwater treatment	High TDS	Calleguas SMP - Phase 2DEF	
Ventura	West Simi Valley Desalter	City of Simi Valley	West Simi Valley	2020	RO	Brackish groundwater treatment	High TDS	Calleguas SMP - Phase 3	

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Brine-Concentrate Water Quality Information																
Region	Facility Name	Facility Owner	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)
Inland Empire	Anita Smith Ion Exchange Facility	Western Municipal Water District																	
Inland Empire	Arlington Desalter	Western Municipal Water District	1050																
Inland Empire	Chino Desalter I	Chino Basin Desalter Authority/ IEUA	360			3.4		7.4			53		<100 µg/L		9	<3		<2 µg/L	<4 µg/L
Inland Empire	Chino Desalter II	Chino Basin Desalter Authority/ Jurupa																	
Inland Empire	Chino Desalter III	Chino Basin Desalter Authority																	
Inland Empire	Inland Empire Energy Center (IEEC)	Eastern Municipal Water District																	
Inland Empire	Ion Exchange Facility (Chino Hills)	City of Chino Hills/ IEUA																	
Inland Empire	Lower Bunker Hill Desalter	Unknown																	
Inland Empire	Menifee Desalter	Eastern Municipal Water District	5650		<2	20		7.2		160	940		1	5	445	<3		5	<.020
Inland Empire	Perris Desalter I	Eastern Municipal Water District	5650		<2	20		7.2		160	940		1	5	445	<3		5	<.020
Inland Empire	Perris Desalter II	Eastern Municipal Water District																	
Inland Empire	Stringfellow Facility	California Department of Toxic Substances Control																	
Inland Empire	Temescal Desalter	City of Corona	6050					7.9		170	820				1700			0	
Inland Empire	Yucaipa Valley Regional Water Supply Renewal Project	Yucaipa Valley Water District																	
Los Angeles	Beverly Hills Desalter	City of Beverly Hills																	
Los Angeles	City of Chino Ion Exchange Facility	City of Chino/ LA County	80,000					7.3			704		0.06			<1			0.004
Los Angeles	Goldsworthy Desalter	WRD/ City of Torrance																	
Los Angeles	C. Marvin Brewer Desalter	West Basin MWD	3600																
Los Angeles	Monte Vista WD Ion Exchange	Monte Vista WD/ City of Chino																	
Los Angeles	Ontario Ion Exchange	City of Ontario																	
Los Angeles	Pomona Ion Exchange Facility	LA County																	
Los Angeles	Upland Ion Exchange Facility	City of Upland/ IEUA/ LACSD						8.5			12.7								

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Brine-Concentrate Water Quality Information																	
Region	Facility Name	Facility Owner	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)	
North Orange County	Deep Aquifer Treatment Plant (DATS)	IRWD	320																	
North Orange County	Frances Desalter	IRWD/OCWD																		
North Orange County	Tustin Desalter	IRWD/OCWD	750																	
North Orange County	Wells 21 & 22	IRWD																		
South Orange County	Baker WTP	IRWD																		
South Orange County	City of San Juan Capistrano Groundwater Desalter	City of San Juan Capistrano	52					6 - 9	21											
South Orange County	Irvine Non-Potable Shallow Groundwater Unit (SGU) Desalter	IRWD																		
South Orange County	Irvine Principal Potable Treatment Plant (PPTP) Desalter	IRWD																		
South Orange County	South Coast Water District - Groundwater Recovery Facility	South Coast Water District	6400					6.8										0.014		
South Orange County	South Orange Coastal Ocean Desalination Project	Five-agency JPA	70000																	
San Diego	Balboa Park Groundwater Desalination Facility	City of San Diego																		
San Diego	Camp Pendleton AWT Plant	Camp Pendleton	7,000-10,000																	
San Diego	Mission Basin Desalting Facility	City of Oceanside	6320								734									
San Diego	Mission Valley Groundwater Desalination	City of San Diego																		
San Diego	North River Groundwater Desalter	Tia Juana Valley WD																		
San Diego	Otay River Desalination Plant	Sweetwater Authority/Otay Water District	7617	3.4	0.21	0.16		7.7	23	53.6	536	10.4	0.39	4.3	974	0.600	0.100	0.011		
San Diego	Rainbow MWD Desalination Facility	Rainbow MWD																		

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Brine-Concentrate Water Quality Information																
Region	Facility Name	Facility Owner	TDS (mg/l)	TOC (mg/l)	Ammonia-Nitrogen (mg/l)	Nitrate-Nitrogen (mg/l)	Total Nitrogen (mg/l)	pH	Temp. (°C)	Silica (mg/l)	Calcium (mg/l)	Bromide (mg/l)	Barium (mg/l)	Strontium (mg/l)	Sulfate (mg/l)	Carbonate (mg/l)	Phosphate (mg/l)	Arsenic (mg/l) (if applicable)	Perchlorate (mg/l) (if applicable)
San Diego	Ramona Desalting Facility	Ramona MWD																	
San Diego	Rancho del Rey Well Desalination	Otay Water District																	
San Diego	Richard Reynolds Groundwater Demineralization Facility (Phase I and II)	Sweetwater Authority	7617	3.4	0.21	0.16		7.7	23	53.6	536	10.4	0.39	4.3	974	0.6	0.10	0.011	
San Diego	San Diego Formation Groundwater Desalination Facility	City of San Diego/San Diego County Water Authority																	
San Diego	San Dieguito Desalting Facility	San Dieguito Basin Task Force																	
San Diego	San Pasqual Groundwater Desalter	City of San Diego	6000																
San Diego	Santee Desalination Facility	Padre Dam MWD/ Helix WD																	
Ventura	Camarillo Groundwater Desalter (Wells A and B)	City of Camarillo - Public Works Water Division	9000	4.6	1.2	1.9		8.0	22.0	100	960		0.2	7.3	3400	<2			
Ventura	Camrosa Groundwater Desalter (Conejo No. 3 and Woodcreek Wells)	Camrosa Water District																	
Ventura	GREAT Program Desalter Facility	City of Oxnard																	
Ventura	Port Hueneme Water Agency Brackish Water Desalter	Port Hueneme Water Agency	1000	See attached water quality report provided by Calleguas MWD on 2/11/09															
Ventura	Somis Desalter	Calleguas MWD																	
Ventura	South Las Posas Desalter (Moorpark Desalter)	Calleguas MWD																	
Ventura	West Simi Valley Desalter	City of Simi Valley																	

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Current (as of end of 2008)					Planning Year 2010							
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/ Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/ Concentrate Flow (MGD) - CALCULATED	Is funding secure for any expansions/ new plants?
Inland Empire	Anita Smith Ion Exchange Facility	Western Municipal Water District						0.00						0.00	
Inland Empire	Arlington Desalter	Western Municipal Water District	4.00	4.00	4.00		0.87	0.87	6.00	6.00	6.00		1.30	1.30	
Inland Empire	Chino Desalter I	Chino Basin Desalter Authority/ IEUA	13.33	13.33	12.67		1.90	2.00	13.33	13.33	12.67		1.90	2.00	
Inland Empire	Chino Desalter II	Chino Basin Desalter Authority/ Jurupa	8.00	8.00	8.00		1.20	1.20	8.00	8.00	8.00		1.20	1.20	
Inland Empire	Chino Desalter III	Chino Basin Desalter Authority						0.00						0.00	
Inland Empire	Inland Empire Energy Center (IEEC)	Eastern Municipal Water District					0.50	0.50					1.00	1.00	
Inland Empire	Ion Exchange Facility (Chino Hills)	City of Chino Hills/ IEUA						0.00	1.70	1.70	1.70		0.34	0.34	
Inland Empire	Lower Bunker Hill Desalter	Unknown						0.00						0.00	
Inland Empire	Menifee Desalter	Eastern Municipal Water District	3.00	2.62	1.54		0.92	1.57	3.00	3.00	2.70		0.90	0.90	
Inland Empire	Perris Desalter I	Eastern Municipal Water District	5.00	2.47	1.12		0.68	1.50	5.00	5.00	4.70		2.12	2.12	
Inland Empire	Perris Desalter II	Eastern Municipal Water District						0.00						0.00	
Inland Empire	Stringfellow Facility	California Department of Toxic Substances Control						0.00	0.26	0.26	0.10		0.10	0.10	
Inland Empire	Temescal Desalter	City of Corona	15.00	12.53	10.77		1.76	2.05	15.00	15.00	15.00		1.80	1.80	
Inland Empire	Yucaipa Valley Regional Water Supply Renewal Project	Yucaipa Valley Water District						0.00						0.00	
Los Angeles	Beverly Hills Desalter	City of Beverly Hills	3.00	3.00	3.00		0.30	0.30	3.00	3.00	3.00		0.30	0.30	
Los Angeles	City of Chino Ion Exchange Facility	City of Chino/ LA County	7.20	7.20	7.20		0.06	0.06	7.20	7.20	7.20		0.06	0.06	
Los Angeles	Goldsworthy Desalter	WRD/ City of Torrance	2.50	2.50	1.88		0.63	0.83	2.50	2.50	1.88		0.63	0.63	
Los Angeles	C. Marvin Brewer Desalter	West Basin MWD	1.30	1.30	1.30		0.39	0.39	1.50	1.50	1.50		0.45	0.45	
Los Angeles	Monte Vista WD Ion Exchange	Monte Vista WD/ City of Chino						0.00	1.60	1.60	1.60		0.40	0.40	
Los Angeles	Ontario Ion Exchange	City of Ontario						0.00	1.60	1.60	1.60		0.40	0.40	
Los Angeles	Pomona Ion Exchange Facility	LA County						0.00	15.00	15.00	15.00		4.50	4.50	
Los Angeles	Upland Ion Exchange Facility	City of Upland/ IEUA/ LACSD	3.74	3.74	3.74		0.06	0.06	3.74	3.74	3.74		0.06	0.06	
North Orange County	Deep Aquifer Treatment Plant (DATS)	IRWD	7.00	7.00	7.00		0.17	0.17	7.00	7.00	7.00		0.17	0.17	

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Current (as of end of 2008)						Planning Year 2010						
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/ Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/ Concentrate Flow (MGD) - CALCULATED	Is funding secure for any expansions/ new plants?
North Orange County	Frances Desalter	IRWD/OCWD						0.00						0.00	
North Orange County	Tustin Desalter	IRWD/OCWD	3.00	2.00	2.00		0.32	0.32	3.00	2.00	2.00		0.32	0.48	
North Orange County	Wells 21 & 22	IRWD	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00	
South Orange County	Baker WTP	IRWD						0.00						0.00	
South Orange County	City of San Juan Capistrano Groundwater Desalter	City of San Juan Capistrano	5.14	2.50	2.50		0.60	0.60	5.14	5.14	5.14		1.20	1.20	Not currently. Stimulus funds are being sought.
South Orange County	Irvine Non-Potable Shallow Groundwater Unit (SGU) Desalter	IRWD	0.0004	0.0004	0.00035		0.00035	0.0004	0.0004	0.0004	0.00035		0.00035	0.0004	
South Orange County	Irvine Principal Potable Treatment Plant (PPTP) Desalter	IRWD	3.60	3.60	3.60		0.88	0.88	4.32	4.32	4.32		1.06	1.06	
South Orange County	South Coast Water District - Groundwater Recovery Facility	South Coast Water District	0.97	0.97	0.97		0.216	0.22	0.97	0.97	0.97		0.216	0.22	
South Orange County	South Orange Coastal Ocean Desalination Project	Five-agency JPA						0.00						0.00	No
San Diego	Balboa Park Groundwater Desalination Facility	City of San Diego													
San Diego	Camp Pendleton AWT Plant	Camp Pendleton	0.00	0.00	0.00		0.00	0.00	9.00	9.00	9.00		1.29	1.29	
San Diego	Mission Basin Desalting Facility	City of Oceanside	2.20	2.20	2.00		0.60	0.66	2.20	2.20	2.00		0.60	0.60	
San Diego	Mission Valley Groundwater Desalination	City of San Diego						0.00						0.00	
San Diego	North River Groundwater Desalter	Tia Juana Valley WD						0.00						0.00	
San Diego	Otay River Desalination Plant	Sweetwater Authority/ Otay Water District													
San Diego	Rainbow MWD Desalination Facility	Rainbow MWD						0.00						0.00	

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Current (as of end of 2008)						Planning Year 2010						
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/ Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/ Concentrate Flow (MGD) - CALCULATED	Is funding secure for any expansions/ new plants?
San Diego	Ramona Desalting Facility	Ramona MWD						0.00						0.00	
San Diego	Rancho del Rey Well Desalination	Otay Water District						0.00			0.20			0.00	
San Diego	Richard Reynolds Groundwater Demineralization Facility (Phase I and II)	Sweetwater Authority	4.00	4.00	3.50		0.80	0.91	10.00	10.00	8.75		1.50	1.50	No
San Diego	San Diego Formation Groundwater Desalination Facility	City of San Diego/San Diego County Water Authority						0.00						0.00	
San Diego	San Dieguito Desalting Facility	San Dieguito Basin Task Force						0.00						0.00	
San Diego	San Pasqual Groundwater Desalter	City of San Diego	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00	
San Diego	Santee Desalination Facility	Padre Dam MWD/ Helix WD						0.00						0.00	
Ventura	Camarillo Groundwater Desalter (Wells A and B)	City of Camarillo - Public Works Water Division						0.00						0.00	YES
Ventura	Camrosa Groundwater Desalter (Conejo No. 3 and Woodcreek Wells)	Camrosa Water District													
Ventura	GREAT Program Desalter Facility	City of Oxnard	7.50	7.50	7.50		1.88	1.88	7.50	7.50	7.50		1.88	1.88	
Ventura	Port Hueneme Water Agency Brackish Water Desalter	Port Hueneme Water Agency	4.00	4.00	4.00		0.80	0.80	4.00	4.00	4.00		0.80	0.80	
Ventura	Somis Desalter	Calleguas MWD													
Ventura	South Las Posas Desalter (Moorpark Desalter)	Calleguas MWD													
Ventura	West Simi Valley Desalter	City of Simi Valley													

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2015					Planning Year 2020						
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/ Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
Inland Empire	Anita Smith Ion Exchange Facility	Western Municipal Water District						0.00						0.00
Inland Empire	Arlington Desalter	Western Municipal Water District	6.00	6.00	6.00		1.30	1.30	6.00	6.00	6.00	1.00	1.30	1.30
Inland Empire	Chino Desalter I	Chino Basin Desalter Authority/ IEUA	15.33	15.33	14.67		2.20	2.30	15.33	15.33	14.67		2.20	2.30
Inland Empire	Chino Desalter II	Chino Basin Desalter Authority/ Jurupa	18.00	18.00	18.00		2.70	2.70	18.00	18.00	18.00		2.70	2.70
Inland Empire	Chino Desalter III	Chino Basin Desalter Authority						0.00						0.00
Inland Empire	Inland Empire Energy Center (IEEC)	Eastern Municipal Water District					1.00	1.00					1.00	1.00
Inland Empire	Ion Exchange Facility (Chino Hills)	City of Chino Hills/ IEUA	1.70	1.70	1.70		0.34	0.34	1.70	1.70	1.70		0.34	0.34
Inland Empire	Lower Bunker Hill Desalter	Unknown						0.00						0.00
Inland Empire	Menifee Desalter	Eastern Municipal Water District	3.00	3.00	2.70		0.90	0.90	3.00	3.00	2.70		0.90	0.90
Inland Empire	Perris Desalter I	Eastern Municipal Water District	5.00	5.00	4.70		2.12	2.12	5.00	5.00	4.70		2.12	2.12
Inland Empire	Perris Desalter II	Eastern Municipal Water District	4.17	4.17	4.17		1.17	1.17	4.17	4.17	4.17		1.17	1.17
Inland Empire	Stringfellow Facility	California Department of Toxic Substances Control	0.26	0.26	0.10		0.10	0.10	0.26	0.26	0.10		0.10	0.10
Inland Empire	Temescal Desalter	City of Corona	15.00	15.00	15.00		1.80	1.80	15.00	15.00	15.00		1.80	1.80
Inland Empire	Yucaipa Valley Regional Water Supply Renewal Project	Yucaipa Valley Water District						0.00						0.00
Los Angeles	Beverly Hills Desalter	City of Beverly Hills	3.00	3.00	3.00		0.30	0.30	3.00	3.00	3.00		0.30	0.30
Los Angeles	City of Chino Ion Exchange Facility	City of Chino/ LA County	7.20	7.20	7.20		0.06	0.06	7.20	7.20	7.20		0.06	0.06
Los Angeles	Goldsworthy Desalter	WRD/ City of Torrance	5.00	5.00	3.75		1.25	1.25	5.00	5.00	3.75		1.25	1.25
Los Angeles	C. Marvin Brewer Desalter	West Basin MWD	1.50	1.50	1.50		0.45	0.45	1.50	1.50	1.50		0.45	0.45
Los Angeles	Monte Vista WD Ion Exchange	Monte Vista WD/ City of Chino	1.60	1.60	1.60		0.40	0.40	1.60	1.60	1.60		0.40	0.40
Los Angeles	Ontario Ion Exchange	City of Ontario	1.60	1.60	1.60		0.40	0.40	1.60	1.60	1.60		0.40	0.40
Los Angeles	Pomona Ion Exchange Facility	LA County	15.00	15.00	15.00		4.50	4.50	15.00	15.00	15.00		4.50	4.50
Los Angeles	Upland Ion Exchange Facility	City of Upland/ IEUA/ LACSD	3.74	3.74	3.74		0.06	0.06	3.74	3.74	3.74		0.06	0.06
North Orange County	Deep Aquifer Treatment Plant (DATS)	IRWD	7.00	7.00	7.00		0.17	0.17	7.00	7.00	7.00		0.17	0.17

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2015						Planning Year 2020					
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/ Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
North Orange County	Frances Desalter	IRWD/OCWD						0.00						0.00
North Orange County	Tustin Desalter	IRWD/OCWD	3.00	2.00	2.00		0.32	0.48	3.00	2.00	2.00		0.32	0.48
North Orange County	Wells 21 & 22	IRWD	4.00	4.00	4.00		1.00	1.00	4.00	4.00	4.00		1.00	1.00
South Orange County	Baker WTP	IRWD	19.40	19.40	16.16		0.81	0.81	19.40	19.40	16.16		0.81	0.81
South Orange County	City of San Juan Capistrano Groundwater Desalter	City of San Juan Capistrano	7.00	7.00	7.00		1.40	1.40	7.00	7.00	7.00		1.40	1.40
South Orange County	Irvine Non-Potable Shallow Groundwater Unit (SGU) Desalter	IRWD	0.0004	0.0004	0.00035		0.00035	0.0004	0.0004	0.0004	0.00035		0.00035	0.0004
South Orange County	Irvine Principal Potable Treatment Plant (PPTP) Desalter	IRWD	4.32	4.32	4.32		1.06	1.06	4.32	4.32	4.32		1.06	1.06
South Orange County	South Coast Water District - Groundwater Recovery Facility	South Coast Water District	1.92	1.92	1.92		0.43	0.43	1.92	1.92	1.92		0.43	0.43
South Orange County	South Orange Coastal Ocean Desalination Project	Five-agency JPA	30.00	30.00	30.00		15.00	15.00	30.00	30.00	30.00		15.00	15.00
San Diego	Balboa Park Groundwater Desalination Facility	City of San Diego	0.15	0.15	0.15		0.15	0.15	0.15	0.15	0.15		0.15	0.15
San Diego	Camp Pendleton AWT Plant	Camp Pendleton	9.00	9.00	9.00		1.29	1.29	9.00	9.00	9.00		1.29	1.29
San Diego	Mission Basin Desalting Facility	City of Oceanside	2.20	2.20	2.00		0.60	0.60	7.01	7.01	6.37		1.91	1.91
San Diego	Mission Valley Groundwater Desalination	City of San Diego	0.40	0.40	0.40		0.40	0.40	0.40	0.40	0.40		0.40	0.40
San Diego	North River Groundwater Desalter	Tia Juana Valley WD						0.00						0.00
San Diego	Otay River Desalination Plant	Sweetwater Authority/ Otay Water District	10.00	10.00	8.75		0.70	0.70	10.00	10.00	8.75		1.80	1.80
San Diego	Rainbow MWD Desalination Facility	Rainbow MWD						0.00						0.00

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2015						Planning Year 2020					
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
San Diego	Ramona Desalting Facility	Ramona MWD						0.00						0.00
San Diego	Rancho del Rey Well Desalination	Otay Water District			0.20			0.00			0.20			0.00
San Diego	Richard Reynolds Groundwater Demineralization Facility (Phase I and II)	Sweetwater Authority	10.00	10.00	8.75		1.50	1.50	10.00	10.00	8.75		1.50	1.50
San Diego	San Diego Formation Groundwater Desalination Facility	City of San Diego/San Diego County Water Authority	0.80	0.80	0.80		0.20	0.20	0.80	0.80	0.80		0.20	0.20
San Diego	San Dieguito Desalting Facility	San Dieguito Basin Task Force						0.00						0.00
San Diego	San Pasqual Groundwater Desalter	City of San Diego	5.00	5.00	5.00		1.00	1.00	5.00	5.00	5.00		1.00	1.00
San Diego	Santee Desalination Facility	Padre Dam MWD/ Helix WD						0.00						0.00
Ventura	Camarillo Groundwater Desalter (Wells A and B)	City of Camarillo - Public Works Water Division	8.60	8.60	8.60		2.10	2.10	8.60	8.60	8.60		2.10	2.10
Ventura	Camrosa Groundwater Desalter (Conejo No. 3 and Woodcreek Wells)	Camrosa Water District	2.03	2.03	2.03		0.40	0.40	2.03	2.03	2.03		0.40	0.40
Ventura	GREAT Program Desalter Facility	City of Oxnard	7.50	7.50	7.50		1.88	1.88	15.00	15.00	15.00		3.75	3.75
Ventura	Port Hueneme Water Agency Brackish Water Desalter	Port Hueneme Water Agency	4.00	4.00	4.00		0.80	0.80	4.00	4.00	4.00		0.80	0.80
Ventura	Somis Desalter	Calleguas MWD							2.00	2.00	2.00		0.40	0.40
Ventura	South Las Posas Desalter (Moorpark Desalter)	Calleguas MWD							5.00	5.00	5.00		1.00	1.00
Ventura	West Simi Valley Desalter	City of Simi Valley							3.00	3.00	3.00		0.60	0.60

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2025						Planning Year 2030					
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
Inland Empire	Anita Smith Ion Exchange Facility	Western Municipal Water District						0.00						0.00
Inland Empire	Arlington Desalter	Western Municipal Water District	6.00	6.00	6.00	1.00	1.30	1.30	6.00	6.00	6.00	1.00	1.30	1.30
Inland Empire	Chino Desalter I	Chino Basin Desalter Authority/ IEUA	15.33	15.33	14.67		2.20	2.30	15.33	15.33	14.67		2.20	2.30
Inland Empire	Chino Desalter II	Chino Basin Desalter Authority/ Jurupa	18.00	18.00	18.00		2.70	2.70	18.00	18.00	18.00		2.70	2.70
Inland Empire	Chino Desalter III	Chino Basin Desalter Authority						0.00						0.00
Inland Empire	Inland Empire Energy Center (IEEC)	Eastern Municipal Water District					1.00	1.00					1.00	1.00
Inland Empire	Ion Exchange Facility (Chino Hills)	City of Chino Hills/ IEUA	1.70	1.70	1.70		0.34	0.34	1.70	1.70	1.70		0.34	0.34
Inland Empire	Lower Bunker Hill Desalter	Unknown						0.00						0.00
Inland Empire	Menifee Desalter	Eastern Municipal Water District	3.00	3.00	2.70		0.90	0.90	3.00	3.00	2.70		0.90	0.90
Inland Empire	Perris Desalter I	Eastern Municipal Water District	5.00	5.00	4.70		2.12	2.12	5.00	5.00	4.70		2.12	2.12
Inland Empire	Perris Desalter II	Eastern Municipal Water District	4.17	4.17	4.17		1.17	1.17	4.17	4.17	4.17		1.17	1.17
Inland Empire	Stringfellow Facility	California Department of Toxic Substances Control	0.26	0.26	0.10		0.10	0.10	0.26	0.26	0.10		0.10	0.10
Inland Empire	Temescal Desalter	City of Corona	15.00	15.00	15.00		1.80	1.80	15.00	15.00	15.00		1.80	1.80
Inland Empire	Yucaipa Valley Regional Water Supply Renewal Project	Yucaipa Valley Water District						0.00						0.00
Los Angeles	Beverly Hills Desalter	City of Beverly Hills	3.00	3.00	3.00		0.30	0.30	3.00	3.00	3.00		0.30	0.30
Los Angeles	City of Chino Ion Exchange Facility	City of Chino/ LA County	7.20	7.20	7.20		0.06	0.06	7.20	7.20	7.20		0.06	0.06
Los Angeles	Goldsworthy Desalter	WRD/ City of Torrance	5.00	5.00	3.75		1.25	1.25	5.00	5.00	3.75		1.25	1.25
Los Angeles	C. Marvin Brewer Desalter	West Basin MWD	1.50	1.50	1.50		0.45	0.45	1.50	1.50	1.50		0.45	0.45
Los Angeles	Monte Vista WD Ion Exchange	Monte Vista WD/ City of Chino	1.60	1.60	1.60		0.40	0.40	1.60	1.60	1.60		0.40	0.40
Los Angeles	Ontario Ion Exchange	City of Ontario	1.60	1.60	1.60		0.40	0.40	1.60	1.60	1.60		0.40	0.40
Los Angeles	Pomona Ion Exchange Facility	LA County	15.00	15.00	15.00		4.50	4.50	15.00	15.00	15.00		4.50	4.50
Los Angeles	Upland Ion Exchange Facility	City of Upland/ IEUA/ LACSD	3.74	3.74	3.74		0.06	0.06	3.74	3.74	3.74		0.06	0.06
North Orange County	Deep Aquifer Treatment Plant (DATS)	IRWD	7.00	7.00	7.00		0.17	0.17	7.00	7.00	7.00		0.17	0.17

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2025						Planning Year 2030					
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
North Orange County	Frances Desalter	IRWD/OCWD						0.00						0.00
North Orange County	Tustin Desalter	IRWD/OCWD	3.00	2.00	2.00		0.32	0.48	3.00	2.00	2.00		0.32	0.48
North Orange County	Wells 21 & 22	IRWD	4.00	4.00	4.00		1.00	1.00	4.00	4.00	4.00		1.00	1.00
South Orange County	Baker WTP	IRWD	19.40	19.40	16.16		0.81	0.81	19.40	19.40	16.16		0.81	0.81
South Orange County	City of San Juan Capistrano Groundwater Desalter	City of San Juan Capistrano	7.00	7.00	7.00		1.40	1.40	7.00	7.00	7.00		1.40	1.40
South Orange County	Irvine Non-Potable Shallow Groundwater Unit (SGU) Desalter	IRWD	0.0004	0.0004	0.00035		0.00035	0.0004	0.0004	0.0004	0.00035		0.00035	0.0004
South Orange County	Irvine Principal Potable Treatment Plant (PPTP) Desalter	IRWD	4.32	4.32	4.32		1.06	1.06	4.32	4.32	4.32		1.06	1.06
South Orange County	South Coast Water District - Groundwater Recovery Facility	South Coast Water District	1.92	1.92	1.92		0.43	0.43	1.92	1.92	1.92		0.43	0.43
South Orange County	South Orange Coastal Ocean Desalination Project	Five-agency JPA	30.00	30.00	30.00		15.00	15.00	30.00	30.00	30.00		15.00	15.00
San Diego	Balboa Park Groundwater Desalination Facility	City of San Diego	0.15	0.15	0.15		0.15	0.15	0.15	0.15	0.15		0.15	0.15
San Diego	Camp Pendleton AWT Plant	Camp Pendleton	9.00	9.00	9.00		1.29	1.29	9.00	9.00	9.00		1.29	1.29
San Diego	Mission Basin Desalting Facility	City of Oceanside	7.01	7.01	6.37		1.91	1.91	7.01	7.01	6.37		1.91	1.91
San Diego	Mission Valley Groundwater Desalination	City of San Diego	0.40	0.40	0.40		0.40	0.40	0.40	0.40	0.40		0.40	0.40
San Diego	North River Groundwater Desalter	Tia Juana Valley WD						0.00						0.00
San Diego	Otay River Desalination Plant	Sweetwater Authority/ Otay Water District	10.00	10.00	8.75		1.80	1.80	10.00	10.00	8.75		1.80	1.80
San Diego	Rainbow MWD Desalination Facility	Rainbow MWD						0.00						0.00

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2025						Planning Year 2030					
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
San Diego	Ramona Desalting Facility	Ramona MWD						0.00						0.00
San Diego	Rancho del Rey Well Desalination	Otay Water District	0.20	0.20	0.20		0.05	0.05	0.20	0.20	0.20		0.05	0.05
San Diego	Richard Reynolds Groundwater Demineralization Facility (Phase I and II)	Sweetwater Authority	10.00	10.00	8.75		1.50	1.50	10.00	10.00	8.75		1.50	1.50
San Diego	San Diego Formation Groundwater Desalination Facility	City of San Diego/San Diego County Water Authority	0.80	0.80	0.80		0.20	0.20	0.80	0.80	0.80		0.20	0.20
San Diego	San Dieguito Desalting Facility	San Dieguito Basin Task Force						0.00						0.00
San Diego	San Pasqual Groundwater Desalter	City of San Diego	5.00	5.00	5.00		1.00	1.00	5.00	5.00	5.00		1.00	1.00
San Diego	Santee Desalination Facility	Padre Dam MWD/ Helix WD						0.00						0.00
Ventura	Camarillo Groundwater Desalter (Wells A and B)	City of Camarillo - Public Works Water Division	8.60	8.60	8.60		2.10	2.10	8.60	8.60	8.60		2.10	2.10
Ventura	Camrosa Groundwater Desalter (Conejo No. 3 and Woodcreek Wells)	Camrosa Water District	2.03	2.03	2.03		0.40	0.40	2.03	2.03	2.03		0.40	0.40
Ventura	GREAT Program Desalter Facility	City of Oxnard	15.00	15.00	15.00		3.75	3.75	15.00	15.00	15.00		3.75	3.75
Ventura	Port Hueneme Water Agency Brackish Water Desalter	Port Hueneme Water Agency	4.00	4.00	4.00		0.80	0.80	4.00	4.00	4.00		0.80	0.80
Ventura	Somis Desalter	Calleguas MWD	2.00	2.00	2.00		0.40	0.40	2.00	2.00	2.00		0.40	0.40
Ventura	South Las Posas Desalter (Moorpark Desalter)	Calleguas MWD	5.00	5.00	5.00		1.00	1.00	5.00	5.00	5.00		1.00	1.00
Ventura	West Simi Valley Desalter	City of Simi Valley	3.00	3.00	3.00		0.60	0.60	3.00	3.00	3.00		0.60	0.60

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2035						Ultimate Build-out					
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
Inland Empire	Anita Smith Ion Exchange Facility	Western Municipal Water District	4.30	4.30	4.30		1.08	1.08	4.30	4.30	4.30		1.08	1.08
Inland Empire	Arlington Desalter	Western Municipal Water District	6.00	6.00	6.00	1.00	1.30	1.30	6.00	6.00	6.00	1.00	1.30	1.30
Inland Empire	Chino Desalter I	Chino Basin Desalter Authority/ IEUA	15.33	15.33	14.67		2.20	2.30	15.33	15.33	14.67		2.20	2.30
Inland Empire	Chino Desalter II	Chino Basin Desalter Authority/ Jurupa	18.00	18.00	18.00		2.70	2.70	18.00	18.00	18.00		2.70	2.70
Inland Empire	Chino Desalter III	Chino Basin Desalter Authority	9.50	9.50	9.50		1.43	1.43	9.50	9.50	9.50		1.43	1.43
Inland Empire	Inland Empire Energy Center (IEEC)	Eastern Municipal Water District					1.00	1.00					1.00	1.00
Inland Empire	Ion Exchange Facility (Chino Hills)	City of Chino Hills/ IEUA	1.70	1.70	1.70		0.34	0.34	1.70	1.70	1.70		0.34	0.34
Inland Empire	Lower Bunker Hill Desalter	Unknown	15.00	15.00	15.00		3.75	3.75	15.00	15.00	15.00		3.75	3.75
Inland Empire	Meniffee Desalter	Eastern Municipal Water District	3.00	3.00	2.70		0.90	0.90	3.00	3.00	2.70		0.90	0.90
Inland Empire	Perris Desalter I	Eastern Municipal Water District	5.00	5.00	4.70		2.12	2.12	5.00	5.00	4.70		2.12	2.12
Inland Empire	Perris Desalter II	Eastern Municipal Water District	6.25	6.25	6.25		1.75	1.75	6.25	6.25	6.25		1.75	1.75
Inland Empire	Stringfellow Facility	California Department of Toxic Substances Control	0.26	0.26	0.26		0.10	0.10	0.26	0.26	0.26		0.10	0.10
Inland Empire	Temescal Desalter	City of Corona	15.00	15.00	15.00		1.80	1.80	15.00	15.00	15.00		1.80	1.80
Inland Empire	Yucaipa Valley Regional Water Supply Renewal Project	Yucaipa Valley Water District	12.00	12.00	12.00		3.00	3.00	12.00	12.00	12.00		3.00	3.00
Los Angeles	Beverly Hills Desalter	City of Beverly Hills	3.00	3.00	3.00		0.30	0.30	3.00	3.00	3.00		0.30	0.30
Los Angeles	City of Chino Ion Exchange Facility	City of Chino/ LA County	7.20	7.20	7.20		0.06	0.06	7.20	7.20	7.20		0.06	0.06
Los Angeles	Goldsworthy Desalter	WRD/ City of Torrance	5.00	5.00	3.75		1.25	1.25	5.00	5.00	3.75		1.25	1.25
Los Angeles	C. Marvin Brewer Desalter	West Basin MWD	1.50	1.50	1.50		0.45	0.45	1.50	1.50	1.50		0.45	0.45
Los Angeles	Monte Vista WD Ion Exchange	Monte Vista WD/ City of Chino	1.60	1.60	1.60		0.40	0.40	1.60	1.60	1.60		0.40	0.40
Los Angeles	Ontario Ion Exchange	City of Ontario	1.60	1.60	1.60		0.40	0.40	1.60	1.60	1.60		0.40	0.40
Los Angeles	Pomona Ion Exchange Facility	LA County	15.00	15.00	15.00		4.50	4.50	15.00	15.00	15.00		4.50	4.50
Los Angeles	Upland Ion Exchange Facility	City of Upland/ IEUA/ LACSD	3.74	3.74	3.74		0.06	0.06	3.74	3.74	3.74		0.06	0.06
North Orange County	Deep Aquifer Treatment Plant (DATS)	IRWD	7.00	7.00	7.00		0.17	0.17	7.00	7.00	7.00		0.17	0.17

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2035						Ultimate Build-out					
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/ Concentrate Treatment Capacity (MGD)	Average Brine/ Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
North Orange County	Frances Desalter	IRWD/OCWD	10.00	10.00	10.00		2.50	2.50	10.00	10.00	10.00		2.50	2.50
North Orange County	Tustin Desalter	IRWD/OCWD	3.00	2.00	2.00		0.32	0.48	3.00	2.00	2.00		0.32	0.48
North Orange County	Wells 21 & 22	IRWD	4.00	4.00	4.00		1.00	1.00	4.00	4.00	4.00		1.00	1.00
South Orange County	Baker WTP	IRWD	19.40	19.40	16.16		0.81	0.81	19.40	19.40	16.16		0.81	0.81
South Orange County	City of San Juan Capistrano Groundwater Desalter	City of San Juan Capistrano	7.00	7.00	7.00		1.40	1.40	7.00	7.00	7.00		1.40	1.40
South Orange County	Irvine Non-Potable Shallow Groundwater Unit (SGU) Desalter	IRWD	0.0004	0.0004	0.00035		0.00035	0.0004	0.0004	0.0004	0.00035		0.00035	0.0004
South Orange County	Irvine Principal Potable Treatment Plant (PPTP) Desalter	IRWD	4.32	4.32	4.32		1.06	1.06	4.32	4.32	4.32		1.06	1.06
South Orange County	South Coast Water District - Groundwater Recovery Facility	South Coast Water District	1.92	1.92	1.92		0.43	0.43	1.92	1.92	1.92		0.43	0.43
South Orange County	South Orange Coastal Ocean Desalination Project	Five-agency JPA	30.00	30.00	30.00		15.00	15.00	30.00	30.00	30.00		15.00	15.00
San Diego	Balboa Park Groundwater Desalination Facility	City of San Diego	0.15	0.15	0.15		0.15	0.15	0.15	0.15	0.15		0.15	0.15
San Diego	Camp Pendleton AWT Plant	Camp Pendleton	9.00	9.00	9.00		1.29	1.29	9.00	9.00	9.00		1.29	1.29
San Diego	Mission Basin Desalting Facility	City of Oceanside	14.30	14.30	13.00		3.90	3.90	14.30	14.30	13.00		3.90	3.90
San Diego	Mission Valley Groundwater Desalination	City of San Diego	0.40	0.40	0.40		0.40	0.40	0.40	0.40	0.40		0.40	0.40
San Diego	North River Groundwater Desalter	Tia Juana Valley WD						0.00						0.00
San Diego	Otay River Desalination Plant	Sweetwater Authority/ Otay Water District	10.00	10.00	8.75		1.80	1.80	10.00	10.00	8.75		1.80	1.80
San Diego	Rainbow MWD Desalination Facility	Rainbow MWD						0.00	2.68	2.68	2.68		0.67	0.67

Groundwater Desalter and Groundwater Cleanup
Treatment Plant Capacity and Discharge Data

			Planning Year 2035						Ultimate Build-out					
Region	Facility Name	Facility Owner	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED	Capacity (MGD)	Maximum Daily Flow (MGD)	Average Daily Flow (MGD)	Brine/Concentrate Treatment Capacity (MGD)	Average Brine/Concentrate Flow (MGD)	Max Daily Brine/Concentrate Flow (MGD) - CALCULATED
San Diego	Ramona Desalting Facility	Ramona MWD						0.00	0.22	0.22	0.22		0.06	0.06
San Diego	Rancho del Rey Well Desalination	Otay Water District	0.20	0.20	0.20		0.05	0.05	0.20	0.20	0.20		0.05	0.05
San Diego	Richard Reynolds Groundwater Demineralization Facility (Phase I and II)	Sweetwater Authority	10.00	10.00	8.75		1.50	1.50	10.00	10.00	8.75		1.50	1.50
San Diego	San Diego Formation Groundwater Desalination Facility	City of San Diego/San Diego County Water Authority	0.80	0.80	0.80		0.20	0.20	1.80	1.80	1.80		0.45	0.45
San Diego	San Dieguito Desalting Facility	San Dieguito Basin Task Force						0.00	5.35	5.35	5.35		1.34	1.34
San Diego	San Pasqual Groundwater Desalter	City of San Diego	5.00	5.00	5.00		1.00	1.00	5.00	5.00	5.00		1.00	1.00
San Diego	Santee Desalination Facility	Padre Dam MWD/ Helix WD						0.00	3.00	3.00	3.00		0.75	0.75
Ventura	Camarillo Groundwater Desalter (Wells A and B)	City of Camarillo - Public Works Water Division	8.60	8.60	8.60		2.10	2.10	8.60	8.60	8.60		2.10	2.10
Ventura	Camrosa Groundwater Desalter (Conejo No. 3 and Woodcreek Wells)	Camrosa Water District	2.03	2.03	2.03		0.40	0.40	2.03	2.03	2.03		0.40	0.40
Ventura	GREAT Program Desalter Facility	City of Oxnard	15.00	15.00	15.00		3.75	3.75	15.00	15.00	15.00		3.75	3.75
Ventura	Port Hueneme Water Agency Brackish Water Desalter	Port Hueneme Water Agency	4.00	4.00	4.00		0.80	0.80	4.00	4.00	4.00		0.80	0.80
Ventura	Somis Desalter	Calleguas MWD	2.00	2.00	2.00		0.40	0.40	2.00	2.00	2.00		0.40	0.40
Ventura	South Las Posas Desalter (Moorpark Desalter)	Calleguas MWD	5.00	5.00	5.00		1.00	1.00	5.00	5.00	5.00		1.00	1.00
Ventura	West Simi Valley Desalter	City of Simi Valley	3.00	3.00	3.00		0.60	0.60	3.00	3.00	3.00		0.60	0.60