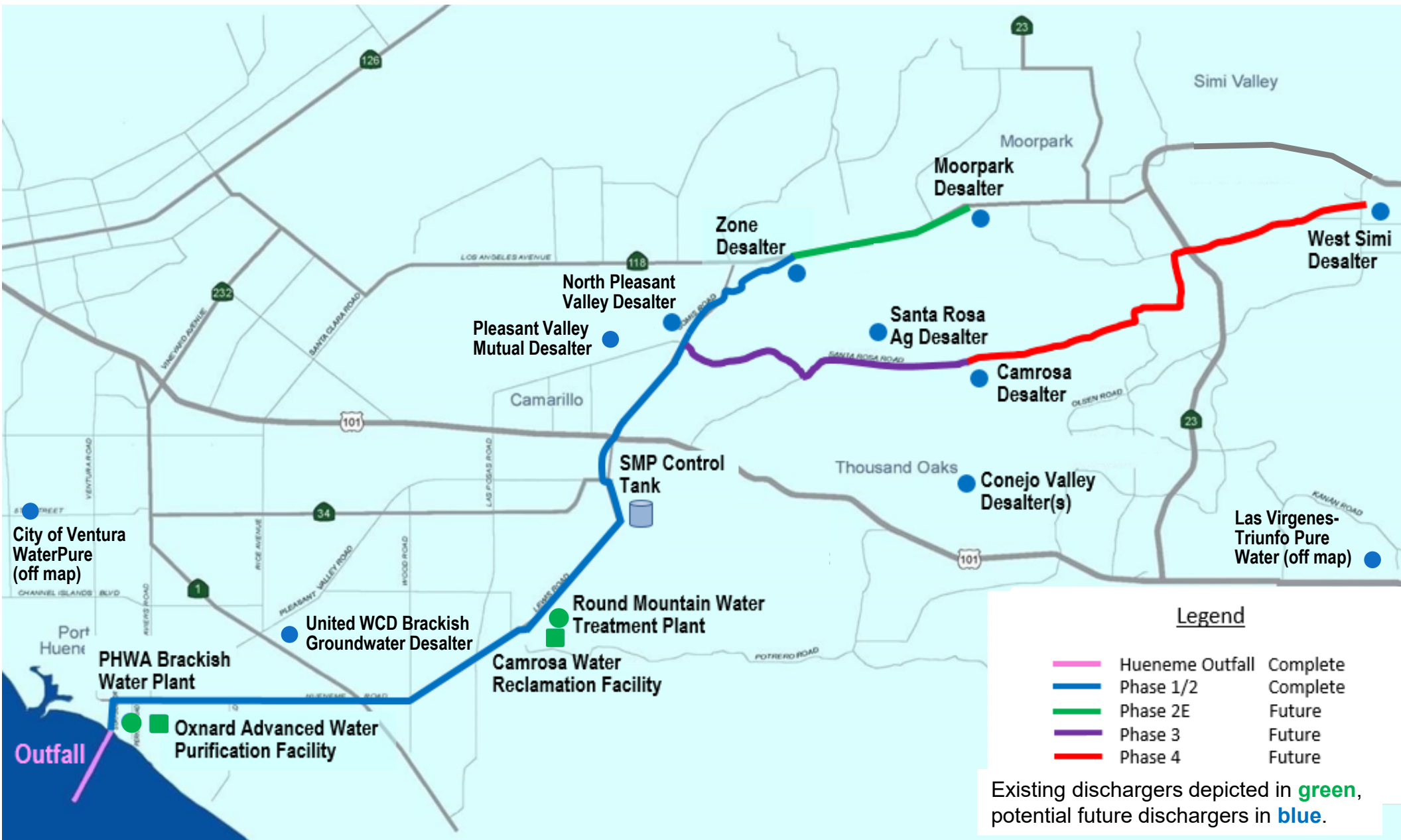




Salinity Management Pipeline

Information for Potential Dischargers

Salinity Management Pipeline (SMP) Alignment and Dischargers

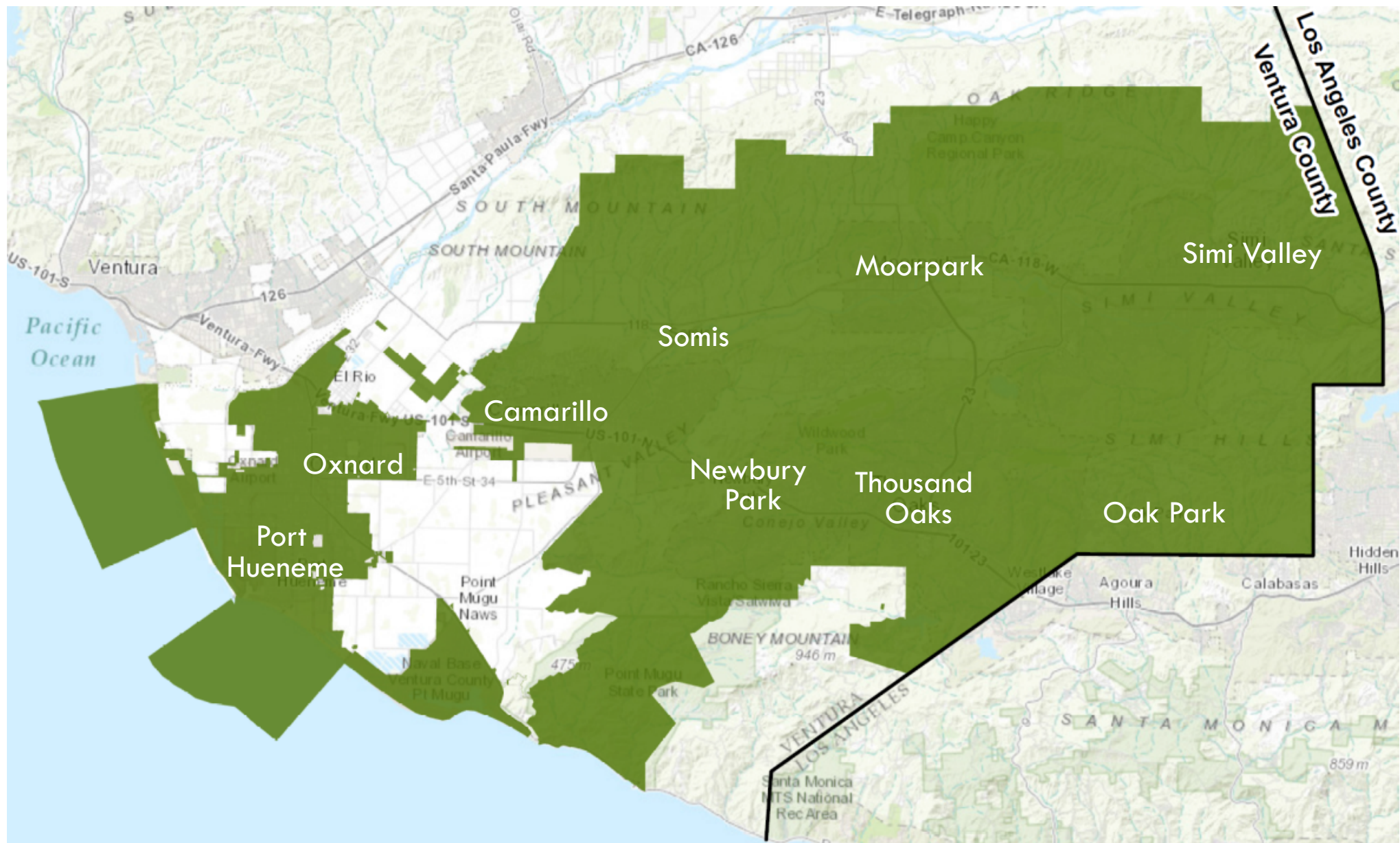


Existing dischargers depicted in green, potential future dischargers in blue.

Rate Components for Direct Dischargers to the SMP

- Actual costs to design and build discharge stations (approx. \$400,000 - \$800,000, depending on size and location)
- 0.33% of actual costs to design and build discharge station monthly (replacement charge)
- O&M on each discharge station (estimated \$45,000 per year, includes water quality sampling)
- Dischargers outside the service area pay 50% surcharge on discharge rates because the SMP is subsidized by potable water rates.

Calleguas Service Area

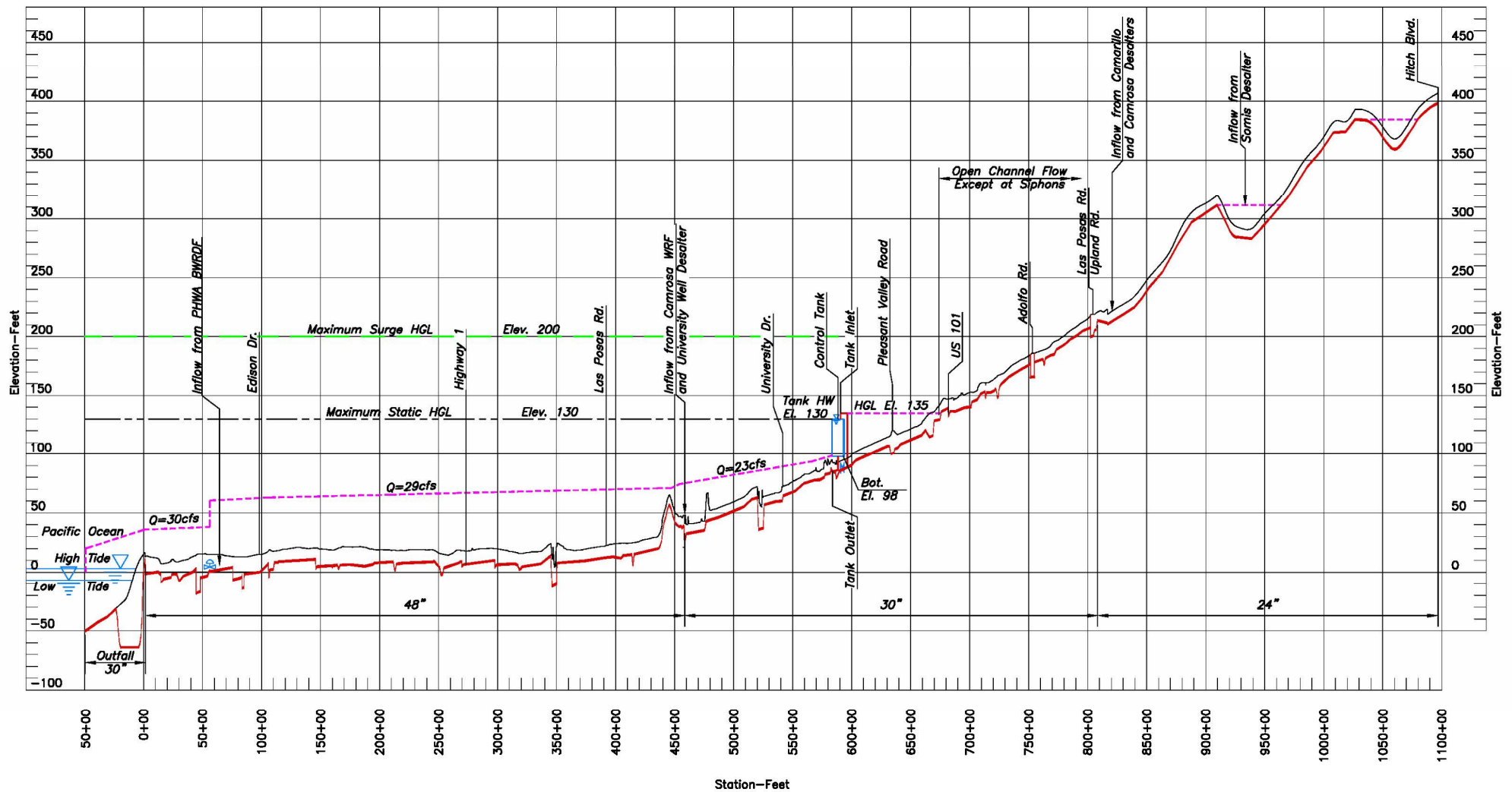


Pipe Hydraulics

- Pipe is under pressure south of Pleasant Valley Road
 - ▣ hydraulic grade line 100' to 130' above sea level
 - ▣ discharges must overcome pressure in the pipe
- Pipe flows by gravity north of Pleasant Valley Road
 - ▣ typically no pressure
 - ▣ some reaches have low pressure due to topographic high points



Salinity Management Pipeline Hydraulic Grade Line



LEGEND:

- Existing Ground Surface
- Salinity Management Pipeline
- - - Hydraulic Grade Line at Design Flows
- - - Maximum Static Hydraulic Grade Line
- Maximum Surge Hydraulic Grade Line



- Control Tank
- Pressure Sustaining Valve
- Bypass Control Valve

SCALE:

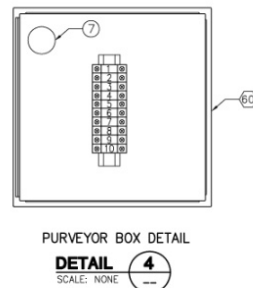
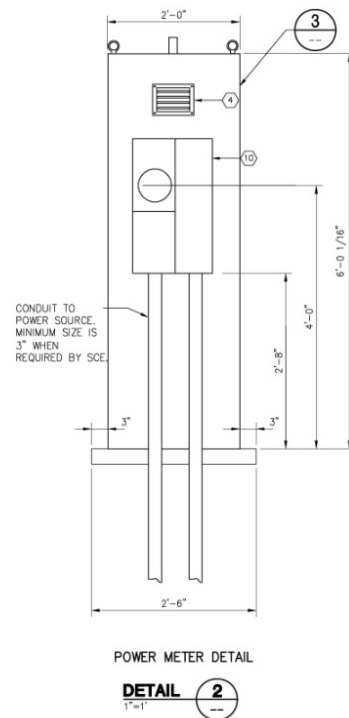
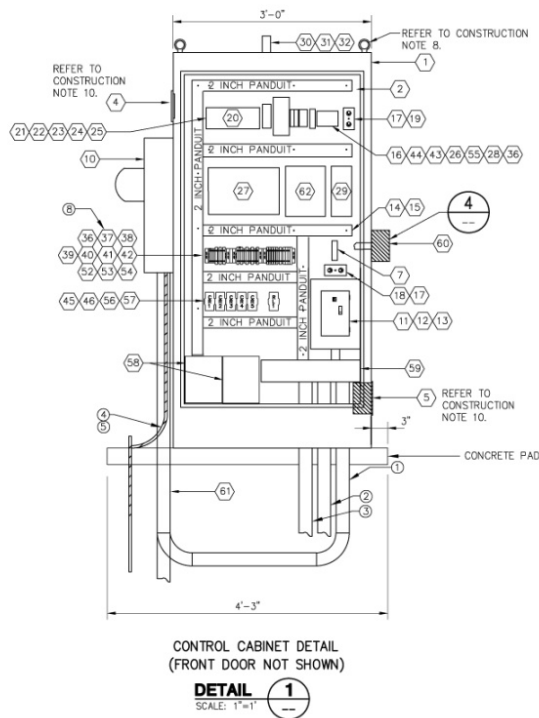
- 0 4000' — Horizontal
- 0 40' — Vertical

Discharge Station Construction

- ❑ Calleguas to design and build discharge stations
- ❑ Discharger to pay deposit for design and construction prior to commencement of each of those activities



Typical Discharge Station Control Panel



CONSTRUCTION NOTES:

- CABINET TO BE ANCHORED TO THE CONCRETE PAD PER DRAWING 0-5-5.
- CONTROL WIRING SHALL BE MARKED WITH RAYCHEM, TAB, OR EQUAL HEAT-SHRINK WIRE MARKERS AT BOTH ENDS.
- ALL WIRING ENTERING CONTROL CABINET TO BE RUN IN NEC APPROVED, UL RATED CONDUIT PER SPECIFICATION 1610. WIRING FOR INTRUSION SWITCH, LIGHT AND FAN SHALL BE RUN IN WATERPROOF, FLEXIBLE, METALLIC CONDUIT.
- FIELD PENETRATIONS TO THE CONTROL CABINET SHALL BE DC-BURRED, TREATED WITH COLD GALVANIZED PRIMER AND FINISH RESTORED TO FACTORY SPECIFICATION.
- LIGHT KIT TO BE CENTER MOUNTED ON THE INSIDE FRONT OF CABINET, ABOVE THE DOOR. LIGHT KIT SWITCH SHALL DIRECTLY CONTROL LIGHT.
- MAINS ENCLOSURE AND PURVEYOR BOX TO BE ATTACHED TO THE CABINET AND THE PENETRATIONS SEALED TO PREVENT ENTRY OF DIRECTED WATER. IN SOME LOCATIONS, THE LOCATION OF THE MAINS ENCLOSURE AND PURVEYOR BOX ARE REVERSED FROM THAT SHOWN. SEE ELECTRICAL SITE PLANS FOR DETAILS.
- PANEL SHALL BE FACTORY PAINTED. FIELD TOUCH UP AS REQUIRED PER SPECIFICATION 17510.
- CONTRACTOR TO REMOVE LIFTING BOLTS AND PLUG WITH SS BOLTS.
- ALL ITEMS IN THE BILL OF MATERIALS SHALL BE CONSIDERED AS MARKED "OR EQUAL," WITH THE EXCEPTION OF THE AGM MODULES AND THE PLC AND ITS ASSOCIATED PARTS.
- REFER TO DETAIL 6 ON DRAWING 0-E-5 FOR ASSEMBLY.
- CABLES, CONNECTORS, TERMINALS AND FUSES ARE NOT SHOWN FOR CLARITY.
- SOME SITES REQUIRE NEMA 4X STAINLESS STEEL CABINETS. REFER TO ELECTRICAL SITE PLANS FOR LOCATIONS AND SPECIFICATION 17510 FOR CONSTRUCTION REQUIREMENTS.
- NOT ALL MAINS ENCLOSURES REQUIRE A SCE METER, AND SOME SITES DO NOT REQUIRE A MAINS ENCLOSURE. SEE ELECTRICAL SITE PLANS FOR DETAILS.

SINGLE CABINET CONTROL PANEL BILL OF MATERIALS				
ITEM	QTY	MANUFACTURER	PART NUMBER	DESCRIPTION
1	1	HOFFMAN	A-72H3724FS3PT	FREE STANDING NEMA 4 ENCLOSURE, NOTE 12
2	1	HOFFMAN	BACK PANEL 22" H x 36" W	NOT USED
3	1	HOFFMAN	TEPE WITH AUK6655 AND T1053R	EXHAUST GRILLE PACKAGE WITH LOUVER PLATE KIT, FILTER. SEE CONSTRUCTION NOTE 10.
4	1	HOFFMAN	TTP61 WITH AUK6655 AND T1053R	COOLING FAN PACKAGE WITH LOUVER PLATE KIT, FILTER. SEE CONSTRUCTION NOTE 10.
5	1	HOFFMAN	A-LTDB1	LIGHT FIXTURE
6	1	HOFFMAN	A-TEMNO	TEMPERATURE CONTROL SWITCH
7	1	HOFFMAN	3-POINT LATCH KIT (INCLUDED IN ITEM 1)	INTRUSION SWITCH
8	1	HONEYWELL	1LS3	WIRING ENCLOSURE WITH 100A MAIN BREAKER, LOAD CENTER. SEE NOTES 6 AND 13.
9	1	COOPER	U214MTBL	LOAD CENTER - 6 CIRCUITS
10	1	SQUARE D	Q01-6L100GDS	15A CIRCUIT BREAKER FOR LOAD CENTER (SPARES)
11	1	SQUARE D	Q0115	20A CIRCUIT BREAKER FOR LOAD CENTER
12	2	SQUARE D	Q0120	20A CIRCUIT BREAKER FOR LOAD CENTER
13	4	AS REQ'D	2"X2LG	2" WIRING DUCT
14	AS REQ'D	PANDUIT	C2LG	2" WIRING DUCT COVER
15	AS REQ'D	AGM	PTA4000-13	SIGNAL ISOLATOR (4-20 mA)
16	1	LEVITON	STANDARD	ALUMINUM BOX 2" x 4"
17	1	LEVITON	7899-GY	DUPLEX RECEPTACLE 20A WITH GFCI AND ALUMINUM PLATE
18	1	LEVITON	5262-1	DUPLEX RECEPTACLE 15A WITH ALUMINUM PLATE
19	1	SCHNEIDER	BMX-P34-2020	M340 PROGRAMMABLE LOGIC CONTROLLER
20	1	SCHNEIDER	BMX-CPS-2010	M340 POWER SUPPLY
21	1	SCHNEIDER	BMX-XBP-0400	M340 CHASSIS - 4 SLOT
22	1	SCHNEIDER	BMX-AMM-0600	A/AO MODULE - 4 INPUTS, 2 OUTPUTS
23	1	SCHNEIDER	BMX-IDM-16025	I/O MODULE - 8 INPUTS, 8 OUTPUTS
24	1	SCHNEIDER	BMX-ITB-2010	I/O MODULE TERMINAL CONNECTOR
25	2	AGM	PTA4000-13	BATTERY VOLTS MONITOR
26	1	SPECTRUM	WEBPORT 2005	4-PORT VPN ROUTER
27	1	AIRLINK	PER SPEC 17510	CELLULAR MODEM
28	1	AIRLINK	RF15N5MA	RF CABLE (LENGTH AS REQ'D)
29	1	AIRLINK	120-110-2107	CELLULAR ANTENNA (PANEL TOP MOUNT)
30	1	AIRLINK	(NO PART NUMBER)	SMA CONNECTOR
31	1	BELDEN	CAT-6 CABLE PC TO ROUTER WITH RJ45 CONNECTORS	CAT-6 CABLE ROUTER TO MODEM WITH RJ45 CONNECTORS
32	1	BELDEN	CAT-6 CABLE PLC TO ROUTER WITH RJ45 CONNECTORS	CAT-6 CABLE PLC TO ROUTER WITH RJ45 CONNECTORS
33	1	BELDEN	CAT-6 CABLE PC TO ROUTER WITH RJ45 CONNECTORS	CAT-6 CABLE ROUTER TO MODEM WITH RJ45 CONNECTORS
34	1	BELDEN	CAT-6 CABLE PLC TO ROUTER WITH RJ45 CONNECTORS	CAT-6 CABLE PLC TO ROUTER WITH RJ45 CONNECTORS
35	1	BELDEN	CAT-6 CABLE PC TO ROUTER WITH RJ45 CONNECTORS	CAT-6 CABLE ROUTER TO MODEM WITH RJ45 CONNECTORS
36	1	WEIDMULLER	0330800000	DIN RAIL
37	1	WEIDMULLER	0380560000	TERMINALS FOR DIN RAIL
38	1	WEIDMULLER	0117960000	TERMINALS END PLATE
39	1	WEIDMULLER	0474560000	FUSED TERMINALS
40	1	WEIDMULLER	0380360000	FUSED TERMINALS END PLATE
41	1	WEIDMULLER	0383560000	TERMINALS END BRACKET
42	1	WEIDMULLER	47346001 / 47346005	TERMINALS MARKING TAGS
43	1	PER SPEC 17510	120VAC/24 VDC BATTERY BACKUP UNIT	24 VDC POWER SUPPLY
44	1	PER SPEC 17510	24 VDC POWER SUPPLY	RELAY - CR1, CR2, CR3, CR4, CR5
45	5	IEC	SR2P-UL-DC24V	RELAY BASE
46	5	IEC	SR2P-06	RELAY BASE
47	1	BELDEN	CONTROL CABLE, 16 AWG, MTW	CONTROL CABLE, 14 AWG, MTW
48	1	BELDEN	CONTROL CABLE, 14 AWG, MTW	CABLE, 18 AWG, TWISTED SHIELDED PAIR
49	1	BELDEN	CABLE, 18 AWG, TWISTED SHIELDED PAIR	FUSE, 500 mA
50	1	BUSSMAN	GMA500MA	FUSE, 2 A
51	1	BUSSMAN	GMA2A	MINIATURE CB, 1 A
52	1	WEIDMULLER	MINIATURE CB, 3 A	MINIATURE CB, 5 A
53	1	WEIDMULLER	MINIATURE CB, 5 A	SURGE PROTECTOR
54	1	WELAND	WB-700120	RELAY - RG-120
55	1	PAB	KRP-14AG-120	RELAY BASE - RL1
56	1	PAB	27ER92	UPS BATTERY
57	2	PER SPEC 17510	UPS BATTERY	4" x 4" x 18" WIREWAY WITH END CAPS
58	1	COOPER	4418FNK	NEMA 4 BOX, 6"x6"x4", TERMINAL BLOCKS WITH END PLATES. SEE DETAIL 4 THIS SHEET.
59	1	HOFFMAN AND WEIDMULLER	A-6R64, PADLOCKABLE	1" CONDUIT AND FITTINGS FROM METER ENCLOSURE
60	1	PER SPEC 17510	INVERTER	

The discharger may request a single or double cabinet. The double cabinet will allow the discharger to place communications or other equipment in one side. No equipment may be mounted on the Calleguas cabinet.

If a single cabinet is installed, then this connection will be mounted to the outside of the cabinet. If the discharger requests a double cabinet, then it will be mounted inside the discharger half of the cabinet.

Discharge Limits

Important Considerations

- Each individual discharge must always be at or below the limitations in the NPDES permit.
- When testing a potential discharge for compliance with the discharge limits, please note the very low concentrations.
 - ▣ Special lab methods are needed.
 - ▣ Seek advice from a water quality expert.

Discharge Limits

Important Considerations

- Please note that the frequency of monitoring often **does not** correlate with the time intervals of the discharge limits. For example, many constituents have instantaneous and daily maxima, but the most frequent monitoring is performed weekly.
- Calleguas's NPDES permit has several effluent limits associated with each regulated constituent. These include loading and concentration limits based on different timeframes. Dischargers must meet the most stringent effluent limits at all times.

Discharge Limits

Important Considerations

- The concentration-based limits contained in the permit are on the following pages. (There are also mass-based limitations.)
- Constituents with asterisks are defined in the Monitoring Requirements section.

Discharge Limits

Constituent	Units	Instantaneous Maximum	Median of 1 Tidal Cycle
Temperature	°F	Receiving Water + 20°	Receiving Water + 4°

Constituent	Units	Minimum	Maximum
pH	pH units	6.0	9.0

Discharge Limits

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
BOD (5-day @ 20° C)	mg/L	30	45	--	--	--
Oil and Grease	mg/L	25	40	--	75	--
Settleable Solids	mL/L	1.0	1.5	--	3.0	--
Total Suspended Solids	mg/L	60	--	--	--	--
Turbidity	NTU	75	100	--	225	--
Total Residual Chlorine	µg/L	--	--	580	4,400	150
Ammonia (as N)	µg/L	--	--	180,000	440,000	44,000
Chronic Toxicity	P/F	Pass	--	Pass	--	--

Discharge Limits

Total coliform density shall not:

- ❑ Exceed 70 CFU/100 mL at any time
- ❑ 10% of samples shall not exceed 230 CFU/100 mL over a six-month period

Fecal coliform density shall not:

- ❑ Exceed 30-day geometric mean of 200 CFU/100 mL
- ❑ Exceed 400 CFU/100 mL at any time

Enterococci density shall not:

- ❑ Exceed a six-week geometric mean of 30 CFU/100 mL
- ❑ Exceed a statistical threshold value of 110 CFU/100 mL by more than 10% of samples

Discharge Limits

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
Antimony (Total Recoverable)	µg/L	88,000	--	--	--	--
Arsenic (Total Recoverable)	µg/L	--	--	2,100	5,600	370
Beryllium (Total Recoverable)	µg/L	2.4	--	--	--	--
Cadmium (Total Recoverable)	µg/L	--	--	290	730	73
Chromium III (Total Recoverable)	µg/L	1.4E+07	--	--	--	--
Chromium VI (Total Recoverable)	µg/L	--	--	580	1,500	150
Copper (Total Recoverable)	µg/L	--	--	730	2,000	75
Lead (Total Recoverable)	µg/L	--	--	580	1,500	150
Mercury (Total Recoverable)	µg/L	--	--	12	29	2.9
Nickel (Total Recoverable)	µg/L	--	--	1,500	3,700	370
Selenium (Total Recoverable)	µg/L	--	--	4,400	11,000	1,100

Discharge Limits

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
Silver (Total Recoverable)	µg/L	--	--	190	500	40
Thallium (Total Recoverable)	µg/L	150	--	--	--	--
Zinc (Total Recoverable)	µg/L	--	--	5,300	14,000	880
Cyanide	µg/L	--	--	290	730	73
Non-chlorinated Phenolic Compounds*	µg/L	--	--	8,800	22,000	2,200
Chlorinated Phenolics*	µg/L	--	--	290	730	73
TCDD Equivalents*	µg/L	2.8E-07	--	--	--	--
Acrolein	µg/L	16,000	--	--	--	--
Acrylonitrile	µg/L	7.3	--	--	--	--
Benzene	µg/L	430	--	--	--	--
Carbon Tetrachloride	µg/L	66	--	--	--	--

Discharge Limits

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
Chlorobenzene	µg/L	42,000	--	--	--	--
Chlorodibromomethane	µg/L	630	--	--	--	--
Chloroform	µg/L	9,500	--	--	--	--
Dichlorobromomethane	µg/L	450	--	--	--	--
1,2-Dichloroethane	µg/L	2,000	--	--	--	--
1,1-Dichloroethylene	µg/L	66	--	--	--	--
1,3-Dichloropropylene	µg/L	650	--	--	--	--
Ethylbenzene	µg/L	3.0E+5	--	--	--	--
Halomethanes*	µg/L	9,500	--	--	--	--
Dichloromethane	µg/L	33,000	--	--	--	--
1,1,2,2-Tetrachloroethane	µg/L	170	--	--	--	--

Discharge Limits

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
Tetrachloroethylene	µg/L	150	--	--	--	--
Toluene	µg/L	6.2E+06	--	--	--	--
1,1,1-Trichloroethane	µg/L	3.9E+07	--	--	--	--
1,1,2-Trichloroethane	µg/L	690	--	--	--	--
Trichloroethylene	µg/L	2,000	--	--	--	--
Vinyl Chloride	µg/L	2,600	--	--	--	--
4,6-dinitro-2-methylphenol	µg/L	16,000	--	--	--	--
2,4-Dinitrophenol	µg/L	290	--	--	--	--
2,4,6-Trichlorophenol	µg/L	21	--	--	--	--
Benzidine	µg/L	0.0050	--	--	--	--
PAH*	µg/L	0.64	--	--	--	--
Bis(2-Chloroethoxy)Methane	µg/L	320	--	--	--	--

Discharge Limits

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
Bis(2-Chloroethyl)Ether	µg/L	3.3	--	--	--	--
Bis(2-chloroisopropyl)Ether	µg/L	88,000	--	--	--	--
Bis(2-Ethylhexyl)Phthalate	µg/L	260	--	--	--	--
Dichlorobenzenes	µg/L	3.7E+05	--	--	--	--
1,4-Dichlorobenzene	µg/L	1,300	--	--	--	--
3,3'-Dichlorobenzidine	µg/L	0.59	--	--	--	--
Diethyl Phthalate	µg/L	2.4E+06	--	--	--	--
Dimethyl Phthalate	µg/L	6.0E+07	--	--	--	--
Di-n-Butyl Phthalate	µg/L	2.6E+05	--	--	--	--
2,4-Dinitrotoluene	µg/L	190	--	--	--	--
1,2-Diphenylhydrazine	µg/L	12	--	--	--	--
Fluoranthene	µg/L	1,100	--	--	--	--

Discharge Limits

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
Hexachlorobenzene	µg/L	0.015	--	--	--	--
Hexachlorobutadiene	µg/L	1,000	--	--	--	--
Hexachlorocyclopentadiene	µg/L	4,200	--	--	--	--
Hexachloroethane	µg/L	180	--	--	--	--
Isophorone	µg/L	53,000	--	--	--	--
Nitrobenzene	µg/L	360	--	--	--	--
N-Nitrosodimethylamine	µg/L	530	--	--	--	--
N-Nitrosodi-N-Propylamine	µg/L	28	--	--	--	--
N-Nitrosodiphenylamine	µg/L	180	--	--	--	--
Aldrin	µg/L	0.0016	--	--	--	--
HCH*	µg/L	--	--	0.58	0.88	0.29
Chlordane	µg/L	0.0017	--	--	--	--

Discharge Limits

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
DDT*	µg/L	0.012	--	--	--	--
Dieldrin	µg/L	0.0029	--	--	--	--
Endosulfan	µg/L	--	--	1.3	2.0	0.66
Endrin	µg/L	--	--	0.29	0.44	0.15
Heptachlor	µg/L	0.0037	--	--	--	--
Heptachlor Epoxide	µg/L	0.0015	--	--	--	--
PCBs*	µg/L	0.0014	--	--	--	--
Toxaphene	µg/L	0.015	--	--	--	--
Tributyltin	µg/L	0.10	--	--	--	--

Triggers

Constituent	Units	Average Monthly	Average Weekly	Daily Maximum	Instantaneous Maximum	6-Month Median
Gross alpha	pCi/L	--	--	15	--	--
Gross beta	pCi/L	--	--	50	--	--
Combined Radium-226 & Radium-228	pCi/L	--	--	5.0	--	--
Tritium	pCi/L	--	--	20,000	--	--
Strontium-90	pCi/L	--	--	8.0	--	--
Uranium	pCi/L	--	--	20	--	--

Note that these are not limits. They are triggers for additional monitoring.

Monitoring Requirements

Important Considerations

- Note that there are constituents that must be monitored that do not have a discharge limit.
- The method listed is the most common method used to meet the required minimum levels. Other methods that are approved under 40 CFR 136.3, 136.4, and 136.5 may be used.
- Note that high concentration brines can have interference issues and the analytical laboratory must ensure the method is appropriate for the discharge characteristics.

Monitoring Requirements

Important Considerations

- All samples are grab samples.
- The Minimum Level represents the most stringent minimum level for the constituent. The analytical method chosen should be able to achieve this minimum level. If the constituent does not have a minimum level listed, the selected analysis method minimum level should be lower than the discharge limit.

Monitoring Requirements

Monthly

Constituent	Units	Method	Min. Level
Temperature	°F	Field probe	N/A
pH	pH units	Field probe	N/A
Total coliform	MPN/100 mL	SM 9221B	N/A
Fecal coliform	MPN/100 mL	SM 9221E	N/A
Enterococcus	MPN/100 mL	SM 9230B	N/A
Dissolved Oxygen	mg/L	Field probe	N/A
Ammonia (as N)	µg/L	SM 4500-NH3 F	N/A
Total Residual Chlorine	µg/L	Field probe	N/A

Monitoring Requirements

Monthly

Constituent	Units	Method	Min. Level
Chronic Toxicity	P/F or % Effect	TST	N/A
Antimony (Total Recoverable)	µg/L	200.8	0.5
Arsenic (Total Recoverable)	µg/L	200.8	1
Beryllium (Total Recoverable)	µg/L	200.8	0.5
Cadmium (Total Recoverable)	µg/L	200.8	0.2
Chromium III (Total Recoverable)	µg/L	Calculated	N/A
Chromium VI (Total Recoverable)	µg/L	EPA 218.6	5
Copper (Total Recoverable)	µg/L	200.8	0.5
Lead (Total Recoverable)	µg/L	200.8	0.5
Mercury (Total Recoverable)	µg/L	EPA 245.1	0.2
Nickel (Total Recoverable)	µg/L	200.8	1
Selenium (Total Recoverable)	µg/L	200.8	1

Monitoring Requirements

Monthly

Constituent	Units	EPA Method	Min. Level
Silver (Total Recoverable)	µg/L	200.8	0.2
Thallium (Total Recoverable)	µg/L	200.8	1
Zinc (Total Recoverable)	µg/L	200.8	1
Cyanide	µg/L	SM 4500 CN-E	5
Non-Chlorinated Phenolic Compounds ¹	µg/L	EPA 625	varies
Chlorinated Phenolics ²	µg/L	EPA 625	varies
TCDD Equivalents ³	µg/L	EPA 1613B	varies

¹ Non-Chlorinated phenolic compounds represent the sum of 2-nitrophenol; phenol; 2,4-dimethylphenol; 2,4-dinitrophenol; 2-methyl-4,6-dinitrophenol; and 4-nitrophenol.

² Chlorinated phenolic compounds represent the sum of 2-chlorophenol; 2,4-dichlorophenol; 2,4,6-trichlorophenol; 4-chloro-3-methylphenol; and pentachlorophenol.

³ TCDD Equivalents are the sum of 2,3,7,8-tetra CDD; 2,3,7,8-penta CDD; 2,3,7,8-hexa CDDs; 2,3,7,8-hepta CDD; octa CDD, 2,3,7,8 tetra CDF; 1,2,3,7,8 penta CDF; 2,3,4,7,8 penta CDF; 2,3,7,8 hexa CDFs; 2,3,7,8 hepta CDFs; and octa CDF weighted by their toxicity equivalence factors in Attachment A to the permit.

Monitoring Requirements

Monthly

Constituent	Units	Method	Min. Level
Acrolein	µg/L	EPA 624	2
Acrylonitrile	µg/L	EPA 624	2
Benzene	µg/L	EPA 624	0.5
Carbon Tetrachloride	µg/L	EPA 624	0.5
Chlorobenzene	µg/L	EPA 624	0.5
Chlorodibromomethane	µg/L	EPA 624	0.5
Chloroform	µg/L	EPA 624	0.5
Dichlorobromomethane	µg/L		
1,2-Dichloroethane	µg/L	EPA 624	0.5
1,1-Dichloroethylene	µg/L	EPA 624	0.5
1,3-Dichloropropylene	µg/L		
Ethylbenzene	µg/L	EPA 624	0.5

Monitoring Requirements

Monthly

Constituent	Units	Method	Min. Level
Halomethanes ¹	µg/L	EPA 624	0.5
Dichloromethane	µg/L	EPA 624	0.5
1,1,2,2-Tetrachloroethane	µg/L	EPA 624	0.5
Tetrachloroethylene	µg/L	EPA 624	0.5
Toluene	µg/L	EPA 624	0.5
1,1,1-Trichloroethane	µg/L	EPA 625	0.5
1,1,2-Trichloroethane	µg/L	EPA 624	0.5
Trichloroethylene	µg/L	EPA 624	0.5
Vinyl Chloride	µg/L	EPA 624	0.5
4,6-Dinitro-2-Methylphenol	µg/L	EPA 625	5
2,4-Dinitrophenol	µg/L	EPA 625	5

¹ **Halomethanes** is sum of bromoform, bromomethane (methyl bromide), and chloromethane (methyl chloride).

Monitoring Requirements

Monthly

Constituent	Units	Method	Min. Level
2,4,6-Trichlorophenol	µg/L	EPA 625	10
Benzidine	µg/L	EPA 625	5
PAH ¹	µg/L	EPA 625	2
Bis(2-Chloroethoxy)Methane	µg/L	EPA 625	5
Bis(2-Chloroethyl)Ether	µg/L	EPA 625	1
Bis(2-Chloroisopropyl)Ether	µg/L	EPA 625	2
Bis(2-Ethylhexyl)Phthalate	µg/L	EPA 625	5
Dichlorobenzenes	µg/L	EPA 624	1

¹ PAH is sum of acenaphthylene, anthracene, 1,2-benzanthracene, 3,4-benzofluoranthene, benzo(k)fluoranthene, 1,12-benzonperylene, benzo(a)pyrene, chrysene, dibenzo(ah)anthracene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene and pyrene.

Monitoring Requirements

Monthly

Constituent	Units	EPA Method	Min. Level
1,4-Dichlorobenzene	µg/L	EPA 625	1
3,3'-Dichlorobenzidine	µg/L	EPA 625	5
Diethyl Phthalate	µg/L	EPA 625	2
Dimethyl Phthalate	µg/L	EPA 625	2
Di-n-butyl Phthalate	µg/L	EPA 625	10
2,4-Dinitrotoluene	µg/L	EPA 625	5
1,2-Diphenylhydrazine	µg/L	EPA 625	1
Fluoranthene	µg/L	EPA 625	0.05
Hexachlorobenzene	µg/L	EPA 625	1
Hexachlorobutadiene	µg/L	EPA 625	1
Hexachlorocyclopentadiene	µg/L	EPA 625	5
Hexachloroethane	µg/L	EPA 625	1

Monitoring Requirements

Monthly

Constituent	Units	Method	Min. Level
Isophorone	µg/L	EPA 624	1
Nitrobenzene	µg/L	EPA 625	1
N-Nitrosodimethylamine	µg/L	EPA 625	5
N-Nitrosodi-N-Propylamine	µg/L	EPA 625	5
N-Nitrosodiphenylamine	µg/L	EPA 625	1
Aldrin	µg/L	EPA 625 / 8270	0.005
HCH ¹	µg/L	EPA 608	0.005
Chlordane	µg/L	EPA 625 / 8270	0.1
DDT ²	µg/L	EPA 625 / 8270	0.01

¹ HCH is sum of alpha, beta, gamma (lindane) and delta-HCH.

² DDT is the sum of 4,4'DDT; 2,4'DDT; 4,4'DDE; 2,4'DDE; 4,4'DDD; and 2,4',DDD.

Monitoring Requirements

Monthly

Constituent	Units	EPA Method	Min. Level
Dieldrin	µg/L	EPA 625 / 8270	0.01
Endosulfan a	µg/L	EPA 625 / 8270	0.01
Endosulfan b	µg/L	EPA 625 / 8270	0.02
Endrin	µg/L	EPA 625 / 8270	0.01
Heptachlor	µg/L	EPA 625 / 8270	0.01
Heptachlor Epoxide	µg/L	EPA 625 / 8270	0.01
PCBs ¹	µg/L	EPA 608	0.5
Toxaphene	µg/L	EPA 608	0.5
Tributyltin	µg/L	EPA 282.3	N/A

¹ PCBs is sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, aroclor-1248, Aroclor-1254, and Aroclor-1260.

Monitoring Requirements

Quarterly

Constituent	Units	Method	Min. Level
BOD (5-day @ 20° C)	mg/L	SM 5210B	N/A
Oil and Grease	mg/L	1664	N/A
Settleable Solids	mL/L	SM 2540F	N/A
Total Suspended Solids	mg/L	SM 2540D	N/A
Turbidity	NTU	180.1	N/A

Monitoring Requirements

Semi-Annually

Constituent	Units	Method	Min. Level
Gross alpha	pCi/L	EPA 900.0	N/A
Gross beta	pCi/L	EPA 900.0	N/A
Combined Radium-226 & Radium-228	pCi/L	EPA 903.0/903.1 EPA 904.0	N/A
Tritium	pCi/L	EPA 906.0	N/A
Strontium-90	pCi/L	EPA 905.0	N/A
Uranium	pCi/L	EPA 908.0	N/A

Note: If the gross alpha and/or gross beta exceed the triggers, combined radium-226 and radium-228 will be analyzed. If the combined radium results are exceeded the triggers, then tritium, strontium-90 and uranium analyses will be conducted.

For Additional Information

- Visit <http://smp.calleguas.com> for:
 - ▣ Ordinance 19 - An Ordinance of Calleguas Municipal Water District Covering the Rules and Regulations for Use of the Salinity Management Pipeline
 - ▣ NPDES Permit for the SMP Outfall
 - ▣ Example Discharge Agreement
 - ▣ Discharge Service Information Request Form
 - ▣ SMP Rates

Questions?

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