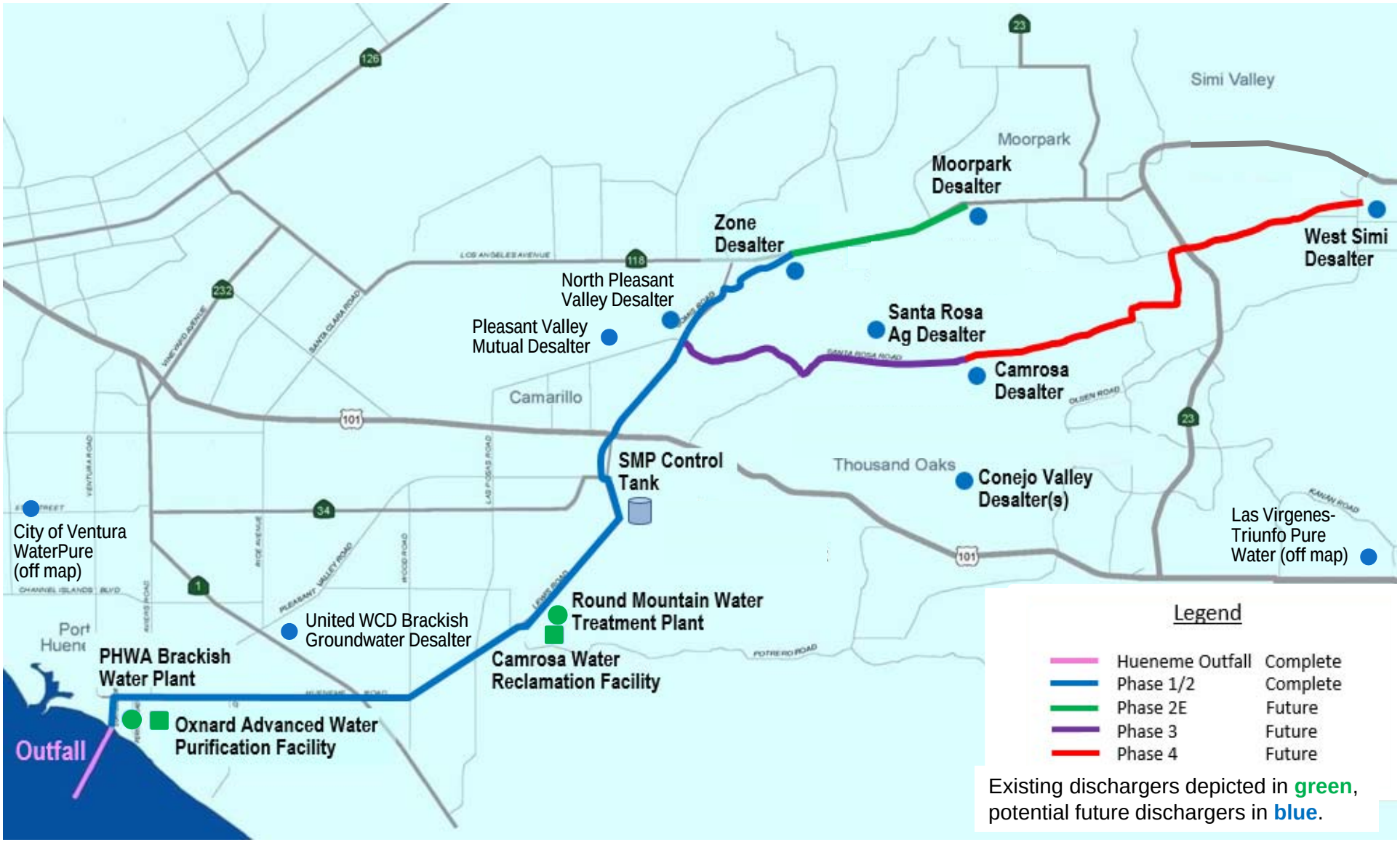
Salinity Management Pipeline

Information for Potential Dischargers

Updated March 2019

Salinity Management Pipeline (SMP) Alignment and Dischargers

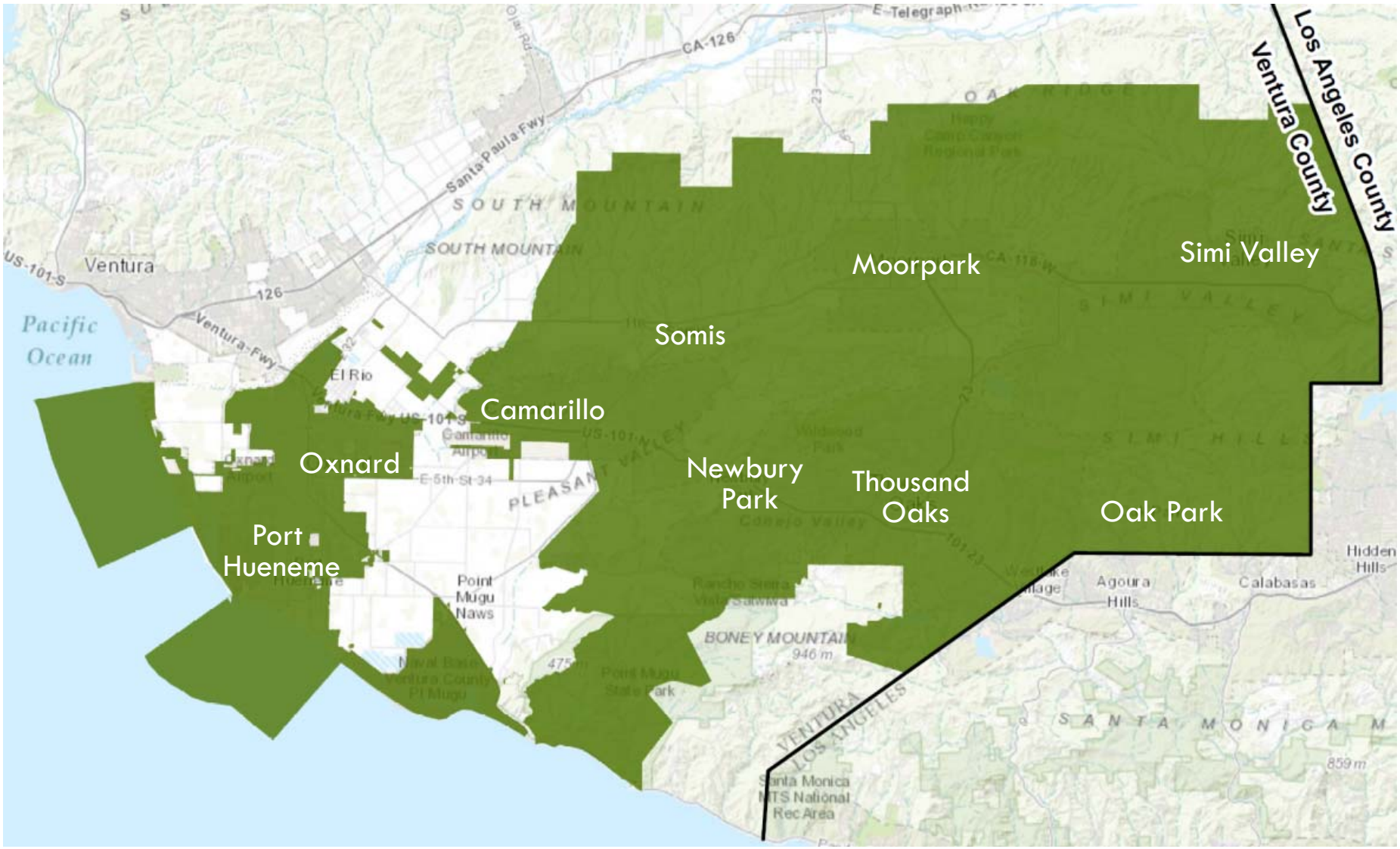


Existing dischargers depicted in **green**, potential future dischargers in **blue**.

Rate Components for Direct Dischargers to the SMP

- Actual costs to design and build discharge stations (approx. $200,000 - $500,000, 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.

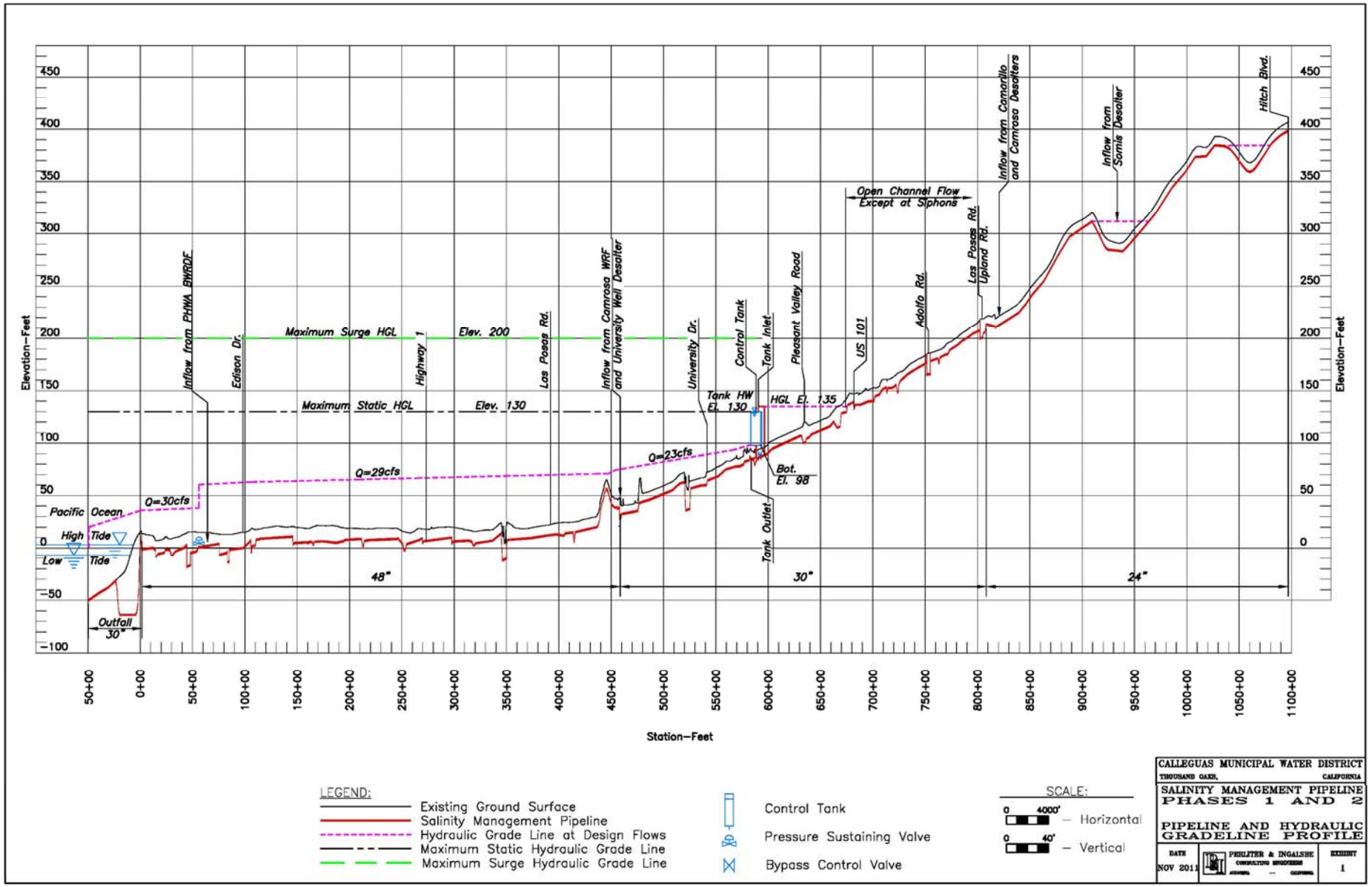
Calleguas Service Area



Pipe Hydraulics

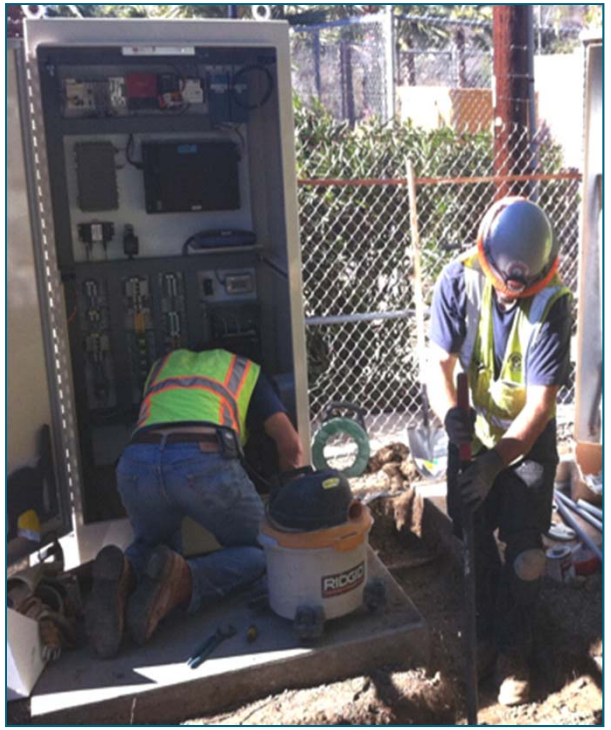
- Pipe is under pressure south of Pleasant Valley Road
  - hydraulic grade line 100’ to 130’ above sea level
  - discharges must overcome pressure in the pipe
- Pipe flows by gravity north of Pleasant Valley Road
  - typically no pressure
  - some reaches have low pressure due to topographic high points

Salinity Management Pipeline Hydraulic Grade Line

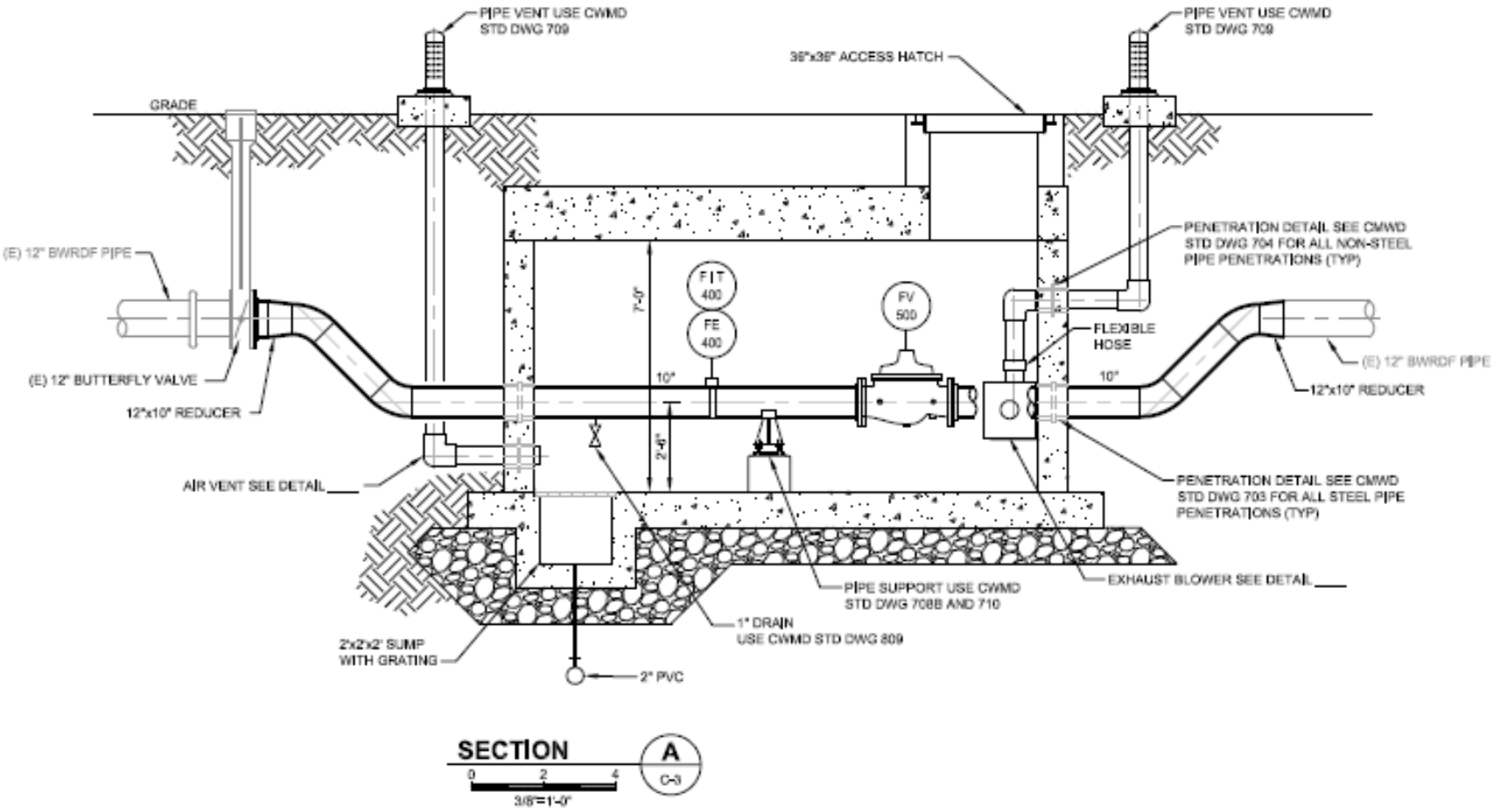


Discharge Station Construction

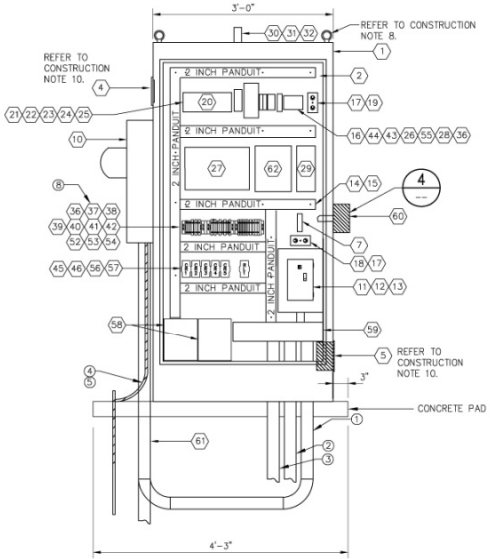
- Calleguas to design and build discharge stations
- Discharger to pay deposit for design and construction prior to commencement of each of those activities



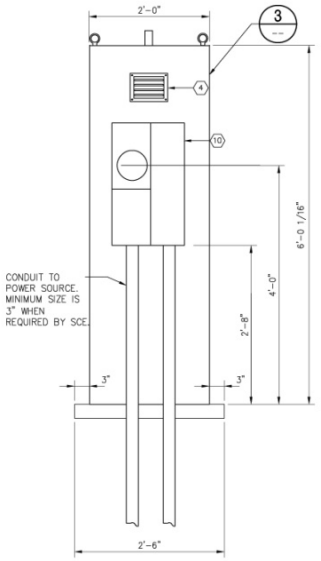
Typical Discharge Station Section



Typical Discharge Station Control Panel



CONTROL CABINET DETAIL
(FRONT DOOR NOT SHOWN)
DETAIL 1
SCALE: 1"=1'



POWER METER DETAIL
DETAIL 2
1"=1'

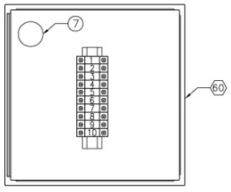
CONSTRUCTION NOTES:

1. CABINET TO BE ANCHORED TO THE CONCRETE PAD PER DRAWING O-S-5.
2. CONTROL WIRING SHALL BE MARKED WITH RAYCHEM, T&B, OR EQUAL HEAT-SHRINK WIRE MARKERS AT BOTH ENDS.
3. ALL WIRING ENTERING CONTROL CABINET TO BE RUN IN NEC APPROVED, UL RATED CONDUIT PER SPECIFICATION 16110. WIRING FOR INTRUSION SWITCH, LIGHT AND FAN SHALL BE RUN IN WATERPROOF, FLEXIBLE, METALLIC CONDUIT.
4. FIELD PENETRATIONS TO THE CONTROL CABINET SHALL BE DE-BURRED, TREATED WITH COLD GALVANIZED PRIMER AND FINISH RESTORED TO FACTORY SPECIFICATION.
5. LIGHT KIT TO BE CENTER MOUNTED ON THE INSIDE FRONT OF CABINET, ABOVE THE DOOR. LIGHT KIT SWITCH SHALL DIRECTLY CONTROL LIGHT.
6. 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.
7. PANEL SHALL BE FACTORY PAINTED. FIELD TOUCH UP AS REQUIRED PER SPECIFICATION 17510.
8. CONTRACTOR TO REMOVE LIFTING BOLTS AND PLUG WITH SS BOLTS.
9. 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.
10. REFER TO DETAIL 6 ON DRAWING O-E-5 FOR DETAILS OF LOUVER, FAN, AND FILTER ASSEMBLY.
11. CABLES, CONNECTORS, TERMINALS AND FUSES ARE NOT SHOWN FOR CLARITY.
12. SOME SITES REQUIRE NEMA 4X STAINLESS STEEL CABINETS. REFER TO ELECTRICAL SITE PLANS FOR LOCATIONS AND SPECIFICATION 17510 FOR CONSTRUCTION REQUIREMENTS.
13. 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-72H3724FSJPT	FREE STANDING NEMA 4 ENCLOSURE. NOTE 12
2	1	HOFFMAN		BACK PANEL 72" H x 36" W
3				NOT USED
4	1	HOFFMAN	TEP6 WITH AVK66SS AND T10SJR	EXHAUST GRILLE PACKAGE WITH LOUVER PLATE KIT, FILTER. SEE CONSTRUCTION NOTE 10.
5	1	HOFFMAN	TFP61 WITH AVK66SS AND T10SJR	COOLING FAN PACKAGE WITH LOUVER PLATE KIT, FILTER. SEE CONSTRUCTION NOTE 10.
6	1	HOFFMAN	A-LTDB1	LIGHT FIXTURE
7	1	HOFFMAN	A-TEMNO	TEMPERATURE CONTROL SWITCH
8				3-POINT LATCH KIT (INCLUDED IN ITEM 1)
9	1	HONEYWELL	1LS3	INTRUSION SWITCH
10	1	COOPER	U214MTBL	MAINS ENCLOSURE WITH 100A MAIN BREAKER, LOAD CENTER. SEE NOTES 6 AND 13.
11	1	SQUARE D	Q01-6L100GDS	LOAD CENTER – 6 CIRCUITS
12	2	SQUARE D	Q0115	15A CIRCUIT BREAKER FOR LOAD CENTER (SPARES)
13	4	SQUARE D	Q0120	20A CIRCUIT BREAKER FOR LOAD CENTER
14	AS REQ'D	PANDUIT	F2X2LG	2" WIRING DUCT
15	AS REQ'D	PANDUIT	C2LG	2" WIRING DUCT COVER
16	1	AGM	PTA4000-13	SIGNAL ISOLATOR (4-20 mA)
17	1	LEVITON	STANDARD	ALUMINUM BOX 2" x 4"
18	1	LEVITON	7899-GY	DUPLEX RECEPTACLE 20A WITH GFCI AND ALUMINUM PLATE
19	1	LEVITON	5262-I	DUPLEX RECEPTACLE 15A WITH ALUMINUM PLATE
20	1	SCHNEIDER	BMX-P34-2020	M340 PROGRAMMABLE LOGIC CONTROLLER
21	1	SCHNEIDER	BMX-CPS-2010	M340 POWER SUPPLY
22	1	SCHNEIDER	BMX-XBP-0400	M340 CHASSIS – 4 SLOT
23	1	SCHNEIDER	BMX-AMM-0600	AI/AO MODULE – 4 INPUTS, 2 OUTPUTS
24	1	SCHNEIDER	BMX-DDM-16025	DI/DO MODULE – 8 INPUTS, 8 OUTPUTS
25	2	SCHNEIDER	BMX-FTB-2010	I/O MODULE TERMINAL CONNECTOR
26	1	AGM	PTA4000-13	BATTERY VOLTS MONITOR
27	1		PER SPEC 17510	INDUSTRIAL BOX PC
28	1	SPECTRUM	WEBPORT 2005	4-PORT VPN ROUTER
29	1	AIRLINK	PER SPEC 17510	CELLULAR MODEM
30	1	AIRLINK	RF15NSMA	RF CABLE (LENGTH AS REQ'D)
31	1	AIRLINK	120-110-2107	CELLULAR ANTENNA (PANEL TOP MOUNT)
32	1	AIRLINK	(NO PART NUMBER)	SMA CONNECTOR
33	1	BELDEN		CAT-6 CABLE PC TO ROUTER WITH RJ45 CONNECTORS
34	1	BELDEN		CAT-6 CABLE ROUTER TO MODEM WITH RJ45 CONNECTORS
35	1	BELDEN		CAT-6 CABLE PLC TO ROUTER WITH RJ45 CONNECTORS
36	AS REQ'D	WEIDMULLER	0330800000	DIN RAIL
37	AS REQ'D	WEIDMULLER	0380560000	TERMINALS FOR DIN RAIL
38	AS REQ'D	WEIDMULLER	0117960000	TERMINALS END PLATE
39	AS REQ'D	WEIDMULLER	0474560000	FUSED TERMINALS
40	AS REQ'D	WEIDMULLER	0380360000	FUSED TERMINALS END PLATE
41	AS REQ'D	WEIDMULLER	0383560000	TERMINALS END BRACKET
42	AS REQ'D	WEIDMULLER	4734600?/473460051	TERMINALS MARKING TAGS
43	1		PER SPEC 17510	120VAC/24 VDC BATTERY BACKUP UNIT
44	1		PER SPEC 17510	24 VDC POWER SUPPLY
45	5	IDEC	RR2P-UL-DC24V	RELAY – CR1, CR2, CR3, CR4, CR5
46	5	IDEC	SR2P-06	RELAY BASE
47	AS REQ'D	BELDEN		CONTROL CABLE, 16 AWG, MTW
48	AS REQ'D	BELDEN		CONTROL CABLE, 14 AWG, MTW
49	AS REQ'D	BELDEN		CABLE, 18 AWG, TWISTED SHIELDED PAIR
50	AS REQ'D	BUSSMAN	GMA500MA	FUSE, 500 mA
51	AS REQ'D	BUSSMAN	GMA2A	FUSE, 2 A
52	AS REQ'D	WEIDMULLER		MINIATURE CB, 1 A
53	AS REQ'D	WEIDMULLER		MINIATURE CB, 3 A
54	AS REQ'D	WEIDMULLER		MINIATURE CB, 5 A
55	1	WELAND	WA.700.120	SURGE PROTECTOR
56	1	P&B	KRP-14AG-120	RELAY – RL1
57	1	P&B	27E892	RELAY BASE – RL1
58	2		PER SPEC 17510	UPS BATTERY
59	1	COOPER	4418FNK	4" x 4" x 18" WIREWAY WITH END CAPS
60	1	HOFFMAN AND WEIDMULLER	A-6R64, PADLOCKABLE	NEMA 4 BOX, 6"x6"x4", TERMINAL BLOCKS WITH END PLATES. SEE DETAIL 4 THIS SHEET.
61	AS REQ'D			1" CONDUIT AND FITTINGS FROM METER ENCLOSURE
62	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.



PURVEYOR BOX DETAIL
DETAIL 4
SCALE: NONE

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 monthly.
- The discharge must meet the standard for the time interval actually monitored. In many cases, that means the discharge must meet the more stringent monthly or 6-month discharge limit rather than the less stringent weekly, daily, or instantaneous limit.

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 % Effect	Pass	--	Pass or % Effect < 50	--	--

Discharge Limits

Constituent	Units	Geometric Mean	Single Sample Maximum
Total coliform	MPN / 100 mL	1,000	10,000; 1,000 if fecal/total ratio exceeds 0.1
Fecal coliform	MPN / 100 mL	200	400
Enterococcus	MPN / 100 mL	35	104

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	EPA 1640 or 200.8	0.5
Arsenic (Total Recoverable)	µg/L	EPA 1640 or 200.8	1
Beryllium (Total Recoverable)	µg/L	EPA 1640 or 200.8	0.5
Cadmium (Total Recoverable)	µg/L	EPA 1640 or 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	EPA 1640 or 200.8	0.5
Lead (Total Recoverable)	µg/L	EPA 1640 or 200.8	0.5
Mercury (Total Recoverable)	µg/L	EPA 245.1	0.2
Nickel (Total Recoverable)	µg/L	EPA 1640 or 200.8	1
Selenium (Total Recoverable)	µg/L	EPA 1640 or 200.8	1

Monitoring Requirements
Monthly

Constituent	Units	EPA Method	Min. Level
Silver (Total Recoverable)	µg/L	EPA 1640 or 200.8	0.2
Thallium (Total Recoverable)	µg/L	EPA 1640 or 200.8	1
Zinc (Total Recoverable)	µg/L	EPA 1640 or 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 exceed 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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