

SAWPA - Brine Line Cleaning Program (March 2018)

Main Pipelines

Req. MH	End. MH	Approximate Distance (ft)	Cleaning Frequency*	Last Cleaning	Spot Check Frequency	Average Workers Needed	Total Hours	Cleaning Responsibility	Notes
REACH IV									
4-0140	4-0010	11972	10 years	2009	1 year	2	82	SAWPA	
REACH IV-A									
4A-0680	4A-0390	15575	7 years	2012	2 years	3	186	IEUA	
4A-0390	4A-0180	9119	7 years	2012	2 years	3	84	SAWPA	27" - cleaned as part of CIPP
4A-0180	4A-0010	16588	7 years	2011	2 years	3	174	SAWPA	42" - Prado Basin; cleaned as part of slip-lining
REACH IV-B									
4B-0890	4B-0780	14178	1 year	2018	6 months	3	162	SAWPA	16"
4B-0780	4B-0580	6006	1 year	2018	6 months	3	69	SAWPA	16"
4B-0580	4B-0490	3869	1 year	2018	6 months	3	42	SAWPA	18"
4B-0490	4B-0150	14336	5 years	2011	2 years	3	159	SAWPA	36"
4B-0150	4B-0010	15962	5 years	2011	2 years	4	220	SAWPA	36" - Prado Basin; cleaned as part of slip-lining
REACH IV-D									
4D-1550	4D-1200	27391	7 years	2007	1 year	3	288	SAWPA	39" - VCP
4D-1200	4D-1190	2122	7 years	Never	1 year	3	24	SAWPA	48" - Mission Tunnel; CCTV shows no solids build-up
4D-1190	4D-0750	27347	7 years	2012	1 year	3	291	SAWPA	39" - RCP
4D-0750	4D-0600	9520	7 years	2012	1 year	3	93	SAWPA	
4D-0600	4D-0470	12628	7 years	2009	1 year	3	144	SAWPA	42"
4D-0470	4D-0010	34101	7 years	2012	1 year	3	366	SAWPA	36/39/42"
REACH IV-E									
4E-0390	4E-0270	10301	5 years	2007	2 years	3	105	SAWPA	36"
4E-0270	4E-0130	13320	5 years	2009	1 year	3	144	SAWPA	Sand Vault (4E-0140)
4E-0130	4E-0010	9725	10 years	2012	5 years	3	172	SAWPA	Long siphon; limited access;

*Estimated cleaning frequency. Cleaning schedule will be adjusted according to spot check observations.

Siphons

Name	Reach	Beginning MH	Ending MH	Length (ft)	Cleaning Frequency	Last Cleaning	Cleaning Responsibility
Chino/Pine	IV-A	4A-0370	4A-0360	151	6 months	Sep-17	SAWPA
Temescal	IV-B	4B-0500	4B-0490	178	6 months	Dec-12	SAWPA
Galena	IV-D	4D-1090	4D-1080	70	3 months	Feb-13	SAWPA
Falspar	IV-D	4D-1010	4D-0980	217	3 months	Feb-13	SAWPA
Brookhollow	IV-D	4D-0970	4D-0940	63	3 months	Feb-13	SAWPA
Bain (Cantu-Galleano)	IV-D	4D-0880	4D-0850	294	6 months	Feb-13	SAWPA
Bellegrave	IV-D	4D-0730	4D-0700	197	3 months	Feb-13	SAWPA
Schleisman	IV-D	4D-0360	4D-0340	402	6 months	Feb-13	SAWPA/WMWD
Bonview	IV-D	4D-0200	4D-0190	42	6 months	Nov-12	SAWPA
Euclid	IV-D	4D-0060	4D-0030	621	3 months	Feb-13	SAWPA
La Cadena	IV-E	4E-0190	4E-0180	390	12 months	Jan-18	SAWPA
Warm Springs	IV-E	4E-0320	4E-0310	377	6 months	Jul-17	SAWPA

Section of liner retrieved Oct 2011

Sand Traps

Location	Depth (ft)	Monitoring Frequency	Cleaning Frequency	Last Cleaning	Cleaning Responsibility
4E-0390					
4E-0370					
4E-0310	25	12 months	As needed	Apr-10	SAWPA
4E-0190	3.5	3 months	As needed	Oct-12	WMWD
4E-0190	3.5	3 months	As needed	Oct-12	WMWD
4E-0140	13	6 months	As needed	Feb-09	WMWD

D/S from Warm Springs Creek

Laterals

Name	Description	Length (ft)	Connecting Brine Line MH	Cleaning Frequency	Last Cleaning	Cleaning Responsibility
IEUA	S05 meter to Pine siphon	800	4A-0370	7 years	Mar-12	SAWPA
Corona Lateral	Corona WWTP #1 to Brine Lin	2687	4B-0120	5 years	Mar-12	WMWD
CRC	Sth & Western to Rincon	12936	4B-0210	5 years	2009	WMWD
Corona Resource Rec.	Meter to Brine Line (2 connect	125	4B-0260	3 years	2009	SAWPA
Temescal Desalter	Tem. Desalter to Tem. Wash	3000	4B-0330		2011	City of Corona
CIW	Meter to Brine Line	300	4D-0220	2 years	2010	IEUA
JCSD - Cleveland	Offline					
JCSD - Chandler	Offline					
JCSD - 58th	Offline					
JCSD - Celebration	Offline					
JCSD - Hamner	Meter to Brine Line	200	4D-0590	Monthly	Mar-12	WMWD
JCSD - Wineville	Meter to Brine Line	100	4D-0660	Monthly	Mar-12	WMWD
JCSD - Etiwanda	Meter to Brine Line	250	4D-0750	Monthly	Mar-12	WMWD
Stringfellow	Meter to Brine Line	150	4D-1070	Monthly	Mar-12	WMWD
RCSD Anita Smith	Meter to Brine Line	4D-1460	5 years	Feb-12	RCSD	
GRSC	Flume to Brine Line	4-0010	1 year		IEUA	
Aqua Mansa	Can't clean					
Enertech	Can't clean					
Futarom						
EMWD						

Included under Reach IV-A

Flumes

Name	Cleaning Frequency	Last Cleaned	Cleaning Responsibility
GR Self Course	1 year	Mar-12	IEUA
CRC	OFFLINE	Mar-12	WMWD
CIW	1 year	Mar-10	IEUA
JCSD - Hamner	1 month	Apr-13	WMWD
JCSD - Wineville	1 month	Mar-13	WMWD
JCSD - Etiwanda	1 month	Mar-13	WMWD
Stringfellow	1 month	Mar-13	WMWD
JCSD - Celebration	3 months	Mar-12	WMWD

Off-line as of October 2012. Flow diverted to WRCRWA.

Sediment Traps

Location	Depth (ft)	Monitoring Frequency	Cleaning Frequency	Last Cleaning	Cleaning Responsibility
Schleisman	25	Monthly	Monthly	Feb-12	SAWPA
Euclid	20	Monthly	Monthly		SAWPA

Constructed June 2011
Under Construction