



SCV
WATER

October 1, 2019

Water Quality Updates

Public Notification of PFOS/PFOA Notification Level Exceedances

Division of Drinking Water Regulatory Update

- Revised Notification Levels (NL) for PFAS (August 22, 2019)
 - PFOS = 13 ng/L lowered to 6.7 ng/L
 - PFOA = 14 ng/L lowered to 5.1 ng/L
- Response Levels (RL) for PFAS
 - PFOS + PFOA = 70 ng/L
 - PFOS & PFOA individual RLs expected Fall 2019



SCV Water Response to Date

- Received DDW Order to sample 15 wells for 4 Quarters
 - 14 of the 15 wells were sampled (one was out of service)
 - 1 well exceeded the RL and was taken out of service
 - 8 wells exceeded one or both NLs for PFOS and PFOA
 - Notifications were provided
 - All wells are being sampled for PFAS (41 in August 2019)
- SCV Water PFAS Strike Team Formed
 - Bench Scale Study
 - Preliminary design and specifications for treatment
 - Identified and prioritized treatment locations
 - Public outreach



SCV Water PFAS Results

	May 2019 (Qtr 1)		Prior	August 2019 (Qtr 2)		Current
	# Sampled	# Exceeded	NL/RL*	# Sampled	# Exceeded	NL/RL*
PFOS	14	7	13	41	23	6.5
PFOA	14	8	14	41	28	5.1
PFOS+PFOA	14	1	70*	41	1	70*

- One well which has exceeded the RL remains off
- Currently 28 wells have exceeded one or both revised NL
- Results pending on 4 wells



N Wellfield PFAS Treatment

- Bidding/Purchasing Vessels
- Design Work Authorization



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N Wellfield Treatment

- Three wells pump up to 6,250 gpm
- No property issues or easements needed
- Meets CEQA Notice of Exemption requirements





N Wellfield Treatment

Item	Schedule	Engineer Estimate
Order Vessels & Pre-Filters	October 2019 - March 2020	\$1,500,000
Construction	February 2020 - June 2020	\$2,650,000
Filter Media	June 2020	\$850,000
Final Design	October 2019 - March 2020	\$260,000
	TOTAL	\$5,260,000

- Vessel lead time approximately 20 weeks
- Bench scale results pending
- Additional chloramination system included
- CEQA - NOE
- Authorization for vessels and final design only at this time

Well Q2 Perchlorate Treatment

- Bidding/Purchasing Vessels
- Design Work Authorization



Well Q2 Perchlorate History & Timeline

- April 2005
 - Results exceeded maximum contaminant level (MCL)
- October 2005
 - Treatment installed
- October 2007
 - Treatment Removed
- Quarterly monitoring

Current Results

Date	Results (ug/L)	Action
May 2019	6	Notified DDW, removed well from service until treatment
Jun 2019	6	Began monthly monitoring
Jul 2019	9	
Aug 2019	13	
Sept 2019	9	

Well Q2 Treatment

Item	Schedule	Engineer Estimate
Order Vessels & Pre-Filters	October 2019 - March 2020	\$440,000
Construction	March 2020 - June 2020	\$260,000
Filter Media	June 2020	\$330,000
Final Design	October 2019 - March 2020	\$115,000*
	TOTAL	\$1,145,000

- Vessel lead time approximately 20 weeks
- CEQA - NOE
- Authorization for vessels and final design only at this time
- Updated design estimate of \$115,000 is reflected in revised agenda item
- Soliciting proposal for Bench Scale testing to look at perchlorate and PFAS



Well Q2 Treatment

- Pumps up to 1,250 gpm
- No property issues or easements needed
- Meets CEQA Notice of Exemption requirements





