



SCV
WATER

December 17, 2019

PFAS and Perchlorate Updates

Division of Drinking Water Regulatory Update

- Revised Notification Levels (NL) for PFAS (August 22, 2019)
 - PFOS = 13 ng/L lowered to 6.5 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 by the end of 2019

The proposed revised RLs could impact more than 20 wells

SCV Water Response and Current Status

- All wells sampled in Aug 2019 and Nov 2019
 - 27 wells have exceeded one or both NL for PFOS and PFOA
 - 1 well taken out of service due to a RL exceedance for PFOS+PFOA
 - All required notifications have been made.
- Board of Directors authorized \$1.94M for treatment vessels
 - Bids received December 9, 2019
- N Wells and Well Q2 site construction
 - Advertising for construction bids. January 7, 2020 Bid Opening.



SCV Water PFAS Results

	May 2019 (Qtr 1)		Prior	Aug 2019 (Qtr 2)		Current	Nov 2019 (Qtr 2)		Current
	# Sampled	# Exceeded	NL/RL*	# Sampled	# Exceeded	NL/RL*	# Sampled	# Exceeded	NL/RL*
PFOS	14	7	13	41	21	6.5	42	17	6.5
PFOA	14	8	14	41	27	5.1	42	20	5.1
PFOS+ PFOA	14	1	70*	41	1	70*	42	0	70*

- One well which has exceeded the RL remains off
- Currently 27 wells have exceeded one or both revised NL
- Results pending on 17 wells

Proposed and Future PFAS Treatment Locations

- N Wells - In progress
- Valley Center Well - Under review
- T7, U4, U6 Wells - Under review
- Santa Clara Well - Under review
- Honby Well - Under review



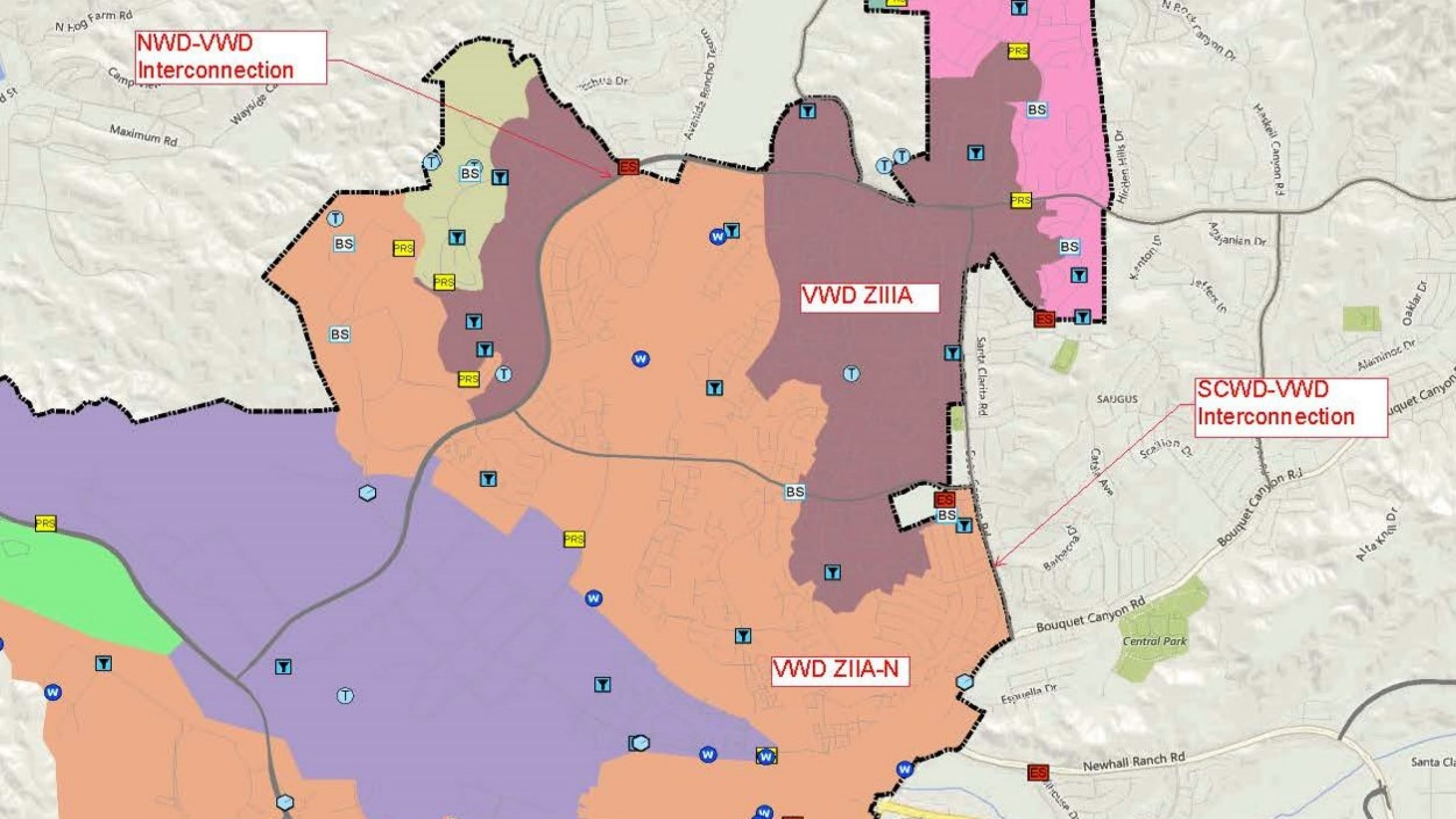
Impacted VWD Zone IIA-North

- 12 of VWD's active 18 wells pump into Zone IIA-North
- Zone IIA-North provides water to
 - Zone IIIA
 - Zone IVA
 - Zone IVD

Interconnections

Interconnections between the various service area zones will provide the ability to move water efficiently and in areas impacted by PFAS.

Item	Location	Division	Pressure Zones
1	Copperhill Dr and Tesoro del Valle	NWD to VWD	NWD Tesoro Zone I to VWD Zone IIIA (two-way)
2	Seco Cyn Rd and Garzota Dr.	SCWD to VWD	SCWD Bouquet Zone to VWD Zone IIA-North



NWD-VWD
Interconnection

VWD ZIIIA

SCWD-VWD
Interconnection

VWD ZIIA-N

Newhall Ranch Rd

NWD Tesoro Zone I to VWD Zone IIIA

Item No.	Description	Cost Estimate	Details
1	Materials	\$42,000	Pipe, vault, meter, etc.
2	Labor/Equipment	\$25,000	Internal staff & equipment
3	Outside Services	\$26,000	Paving, hot tap, fill, etc.
4	Pressure regulator	\$44,000	Sole source (Cla-Val)
	Total	\$135,000	

- Staff prepared budget
- Staff to perform the construction
- No outside services exceed the General Managers spending authorization

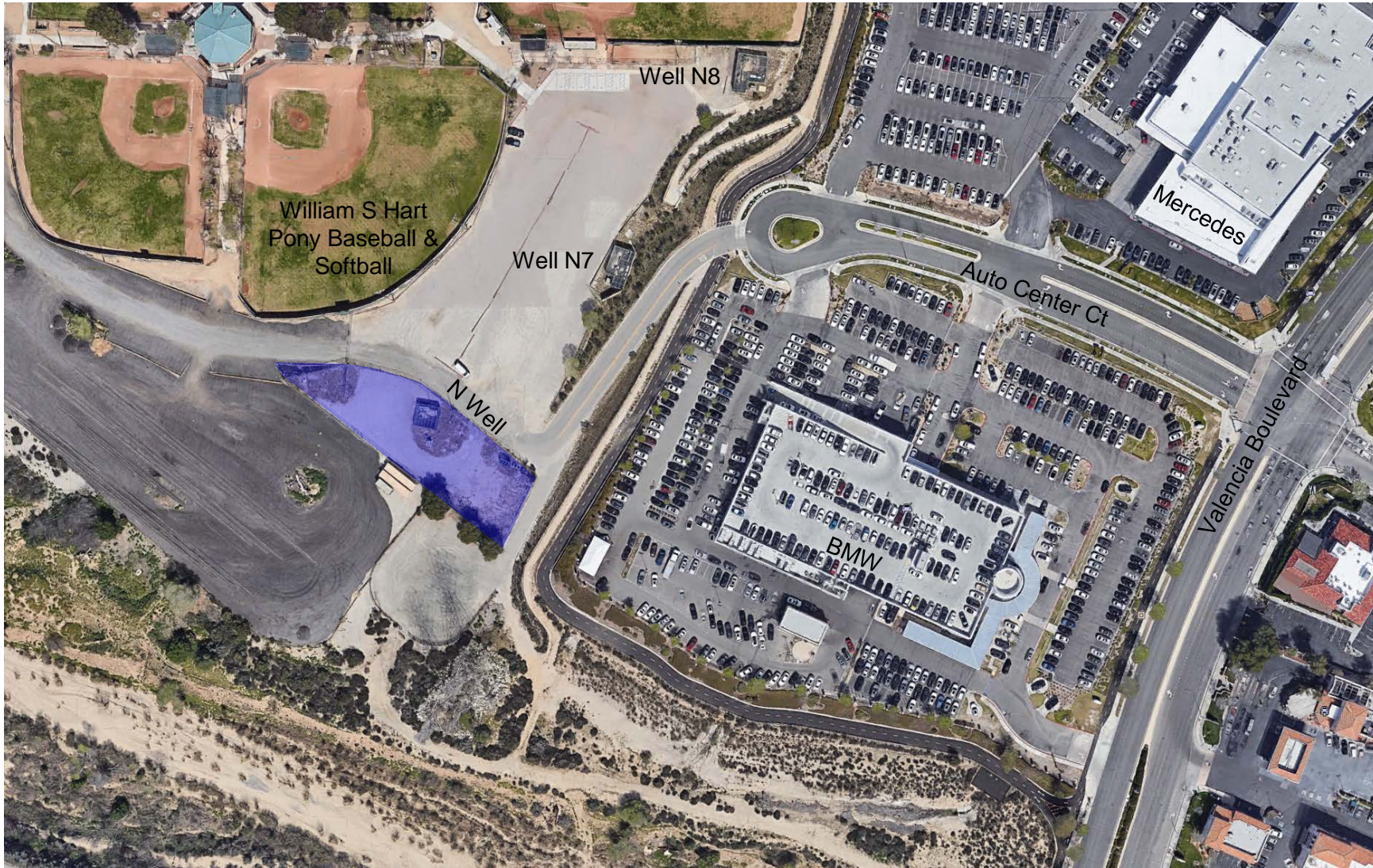
SCWD Bouquet Zone to VWD Zone IIA-N

Item No.	Description	Cost Estimate	Details
1	Materials	\$18,000	Pipe, vault, meter, etc.
2	Labor/Equipment	\$46,000	Internal staff & equipment
3	Outside Services	\$93,500	Paving, hot tap, fill, etc.
4	Pressure regulator	\$17,500	Sole source (Cla-Val)
	Total	\$175,000	

- Staff prepared budget
- Staff to perform the construction
- No outside services exceed the General Managers spending authorization

N Wellfield PFAS Treatment and Well Q2 Perchlorate Removal Facilities

N Wellfield PFAS Treatment Location Map



N Wellfield PFAS Treatment 3-D Rendering



Well Q2 Perchlorate Removal Facility Location Map



Saugus 1 & 2 and Well Q2 Perchlorate Removal Facility Aerial View



Saugus 1 & 2 and Well Q2 Perchlorate Removal Facility Aerial View



N Wellfield PFAS Treatment and Well Q2 Perchlorate Removal Facility Site Construction

Item	Budget Amounts
N-Wells Site Construction	\$6,530,000
Well Q2 Site Construction	\$1,570,000
Total Site Construction (N-Wells and Q2)	\$8,100,000
Kennedy/Jenks Consultants (Engineering Services During Construction)	\$215,000
TRC Companies, Inc. (Construction Management)	\$555,000

Schedule:

- December - January 2020: Advertise for site construction bids
- January 7, 2020: Bid Opening
- January - August 2020: Construction with start-up by June



N Wellfield PFAS Treatment and Well Q2 Perchlorate Removal Facility Site Construction

Recommendation:

The Engineering and Operations Committee recommends that the Board of Directors

- (1) authorize the General Manager to award a construction contract in an amount not to exceed \$8,100,000 to the lowest responsive and responsible bidder and,
- (2) authorize the General Manager to execute a work authorization with Kennedy/Jenks Consultants for an amount not to exceed \$215,000 for engineering services during construction, and
- (3) authorize the General Manager to execute a work authorization with TRC Companies, Inc. for an amount not to exceed \$555,000 for construction management services for the PFAS Groundwater Treatment and Well Q2 Perchlorate Removal Facility Project.

