Irrigated Lands Regulatory Program (ILRP) Drinking Water Well Monitoring: Collecting Baseline Samples in the Sacramento Valley

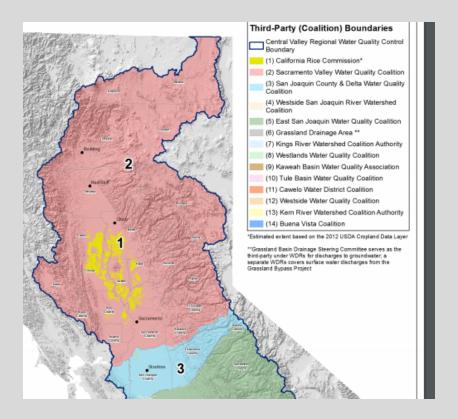
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For more information please visit: www.dellavallelab.com/drinkingwaterILRP



Why sample?



• To ensure that drinking water is safe

- Drinking water with nitrate + nitrite levels above the drinking water standard of 10 mg/L (1 mg/L= 1 ppm) may not be safe to drink
 - Drinking water with high levels of nitrate + nitrite is particularly harmful to infants and pregnant women
 - Nitrate + nitrite above 10 mg/L can inhibit the ability of red blood cells to transport oxygen

• Because it's required

- Started in the East San Joaquin River Watershed in 2019, Tulare Lake Basin in 2020
- Will be implemented in the Sacramento Valley Water Quality Coalition in 2022



What is required?

Sample all active drinking water wells on parcels that are enrolled in the Irrigated Lands Regulatory Program (ILRP) starting in 2022*

"Active" drinking water wells as indicated on the Farm Evaluations

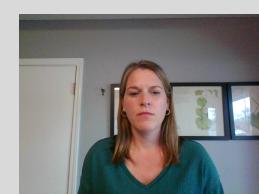
- If nitrate + nitrite is:
 - Below 8 mg/L: Sample for three consecutive years. If nitrate + nitrite is below 8mg/L for all three years, sample once every 5 years.
 - Between 8 mg/L and 10 mg/L: Sample ever year.
 - Above 10 mg/L: Notify the user and no additional sampling is required.

*Results from the previous 5 years ((2017 to 2021) may be used if the analysis was completed by a certified lab such as Dellavalle Laboratory and the proper sample collection procedures below were



How to Sample

- If the well is not frequently used, run water for 15 minutes prior to sampling.
- Sample as close to the wellhead as possible, and prior to any treatment or filtration.
- Collect the sample into a labeled, unpreserved 250 mL plastic bottle.
- Label the sampling bottle with an indelible marker. Include the well ID, the samplers name, and the date and time the sample was collected.
- Keep samples on ice in a cooler. Samples must arrive to the laboratory at a temperature of 39.2° F or less.
- Complete the Water Board Drinking Water Well Member Information form (not needed if collecting samples prior to 2022).
- Complete the Dellavalle Laboratory work request.
- Request NO₃-N and NO₂-N analysis.
- Fill out the chain of custody on the work request form.
- Submit the samples the same day they are collected.



BILL TO: Acct# 07 Cons#	DELLAVALLE LABORATORY, INC. 1910 W. McKinley Avenue, Suite 110 • Fremo, CA 93728 www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174 No. of Samples No. of Bottles			REGIONAL WATER QUALITY CONTROL BOARD CENTRAL VALLEY REGION ATED LANDS REGULATORY PROGRAM G WATER WELL MEMBER INFORMATION	
Purchase Order No. Results Needed By	Water Type: [] Drinking Water [] Wastewater [] Ag Water [] Groundwater [] Monitoring Well		Complete entire form if you have a drinking wa an ELAP laboratory for required data entry into	ter well on an enrolled APN and submit it with your well samples to o State's GeoTracker database.	
Name:	Other:				
Address:	Nitrate + Nitrite		1a. Coalition Name*:	1b. Coalition Member ID#":	
City: State: CA Zip:			1c. Member Name*:	1d. Member Mailing Address*:	
Telephone: Fax:			1e. Farm Name:		
Cell/Email:			1f. Member Phone*:	In Deserts Address of the second second	
			11. Member Phone :	1g. Property Address (it different from mailing address)	
СОРҮ ТО:			1h. Member Email*:		
	Co. Health Dept		1i. Is the coalition member also the landowner	7 YES (If Yes, skip boxes 2a-2d) NO	
REQUESTED BY			1). Is the coalition member (including family) to	he only consumer of the drinking water?	
PROJECT			YESNO (Notification to all consumers and Central Valley Water Board required if nitrate exceedance is identified)		
CROP	-		2. Landowner Information (If coalition member	is not landowner)	
Description of Sample	Date Time Recid Field EC Sampled Sampled Term C Field EC		2a. Landowner Name:	the second s	
			2c. Landowner Phone:		
			Water	Board Form	
3.			2d. Landowner Email:		
4		SAME	3. Drinking Water Well Information: List all	drinking water wells on ILRP enrolled parcel(s) below.	
tab H	Form	ME		into GeoTracker, place an "x" in column to the left of Well Name/Field	
			Point Name.		
7.			X Well Name/Field Latitude	Longitude County" Assessor Parcel Number (APN)*	
8.			Point Name	(prn)	
9.					
Carrier Signature Company	Received (Date/Time) Relinquished (Date/Time)				
First				Information Needed	
Second				<u>miormation Needed</u>	
Third					
Fourth					
be action against me for this breach, reasonable attorneys' fees. It is understood, that revenent is conected to be	ted nervices. Should is he heref start i do not have such authority, I agree to be personally liable for all costs and, if there should cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged 🛌		4. CERTIFICATION	La	
dated damage for of 2% per month (annually 24%) or 55.00 per month whichever is greater. If recover is not each other date and a leading to distance exists concerning the resulted or services of Ref. Inc.	Involte Taboratory. Inc., it will be submitted to mediation under the Roles and Procedures of Creative Alternative to Liftgation, Arbitration. 9.		"I certify under penalty of law that to the best of my true, accurate, and complete and was prepared by		
\Box If submitting samples prior to 2	2022 only the lab form will be		significant penalties for knowingly submitting false		
ii suomitting sumples prior to r			(4a) Signature*		
need	ded		Resident Ende		
			"Required Fields		
	XAI-CLIENT CUSTOM FIELDSHEETS/Doryal Wainolds Ag Suit Work Request Form 2010.4ac				



Using Baseline Results for the Drinking Water Requirement

Samples collected prior to 2022 can be used to satisfy the drinking water requirement if the following conditions are met:

- Lab work is completed by an ELAP (Environmental Laboratory Accreditation Program) certified laboratory such as Dellavalle Laboratory.
- Samples are collected properly and meet hold times.
- Nitrate (NO_3-N) and nitrite are analyzed (NO_2-N) .

In 2022 you may request to have your results uploaded to the State's GeoTraker database by attaching the Water Board Drinking Water Well Member Information form to the laboratory results. This action will satisfy the drinking water testing requirement for 2022.

• Upload to GeoTracker is an additional cost.



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