

# Our Aquifers at Risk

Monterey County oil companies currently use 44 class II injection wells to dispose of the wastewater from their oil and gas operations. These wells are found at:  
<http://arcg.is/1NqJSkO>

Of these 44 injection wells, 35 wells are injecting wastewater into protected (or non-exempt) aquifers, in violation of the U.S. Safe Drinking Water Act.

In short, 80% of Monterey County's wastewater injection wells are injecting into protected aquifers which have 3,000 - 10,000 mg/L TDS (Total Dissolved Solids) and "may be suitable for drinking water supply and other beneficial uses".

The list of 35 illegal wastewater injection wells is shown on the next page. This information is derived from the appendices of a May 2015 letter sent by DOGGR (CA Dept. of Oil, Gas and Geothermal Resources) and CA State Water Board to the U.S. EPA: <http://bit.ly/2AZ2vJS>

In fall of 2015, the CA State Water Board sent letters to Chevron, Aera Energy and other Monterey County oil operators to notify them that their wastewater injection wells are injecting into protected aquifers. Here are the letters to Chevron and Aera Energy:  
<http://bit.ly/2mNEZx6>  
<http://bit.ly/2zXNokt>

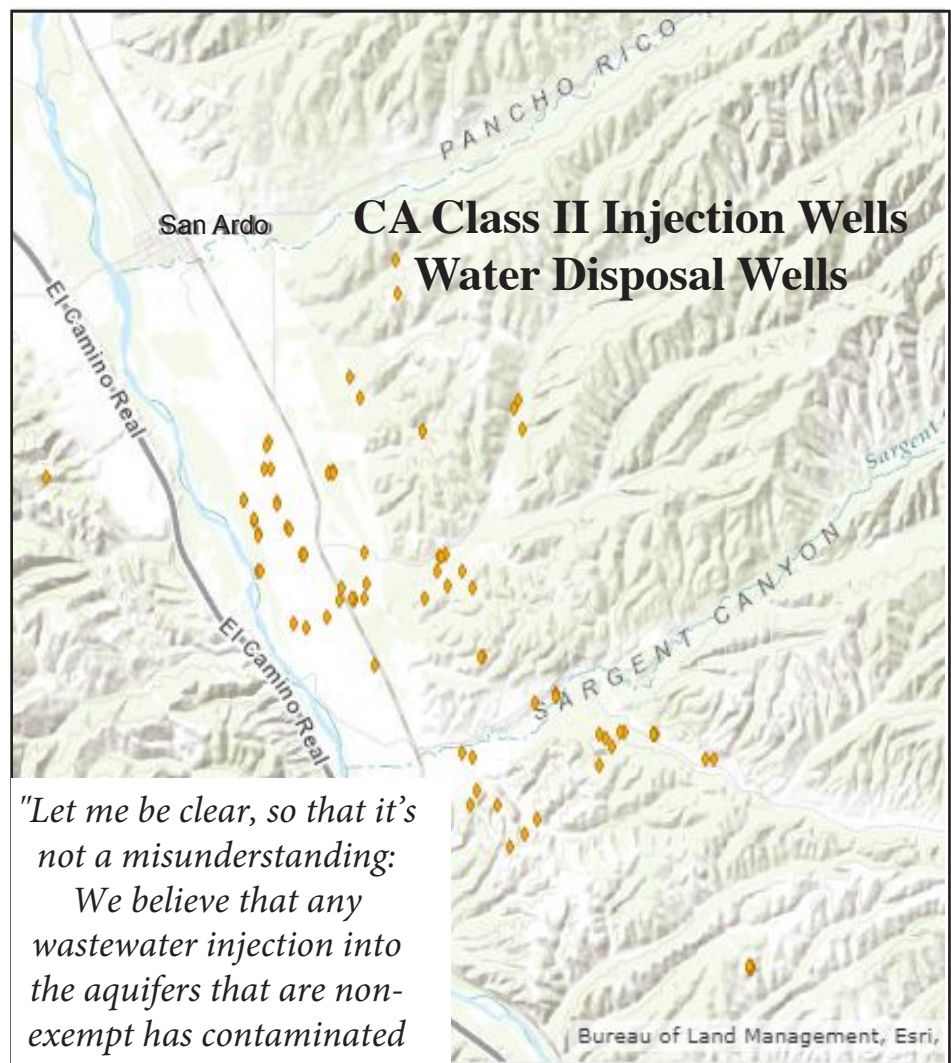
The state cannot allow these 35 wastewater injection wells to continue operating unless the oil companies obtain an aquifer exemption, which they are currently seeking and will require approval from U.S. EPA.

There are 261 water supplying wells within 1 mile of these wastewater injection wells. These water supply wells are likely wells for nearby ranches, farms and rural residences.

"Let me be clear, so that it's not a misunderstanding: We believe that any injection into the aquifers that are non-exempt has contaminated those aquifers," said Jonathan Bishop, chief deputy director of the State Water Board, during his testimony to the California state legislature on March 2015. This quote is found at:  
<http://bit.ly/2hGRTaZ>

Unfortunately, the oil industry has a lot of political influence and DOGGR is currently helping them to secure the aquifer exemptions they seek. So the regulatory process may not protect the public.

Measure Z may be the only way that Monterey County residents can stop oil wastewater from being injected into our protected aquifers in the Salinas Valley.



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[www.protectmontereycounty.org](http://www.protectmontereycounty.org)  
[info@protectmontereycounty.org](mailto:info@protectmontereycounty.org)

PMC  
P.O. Box 1946  
Monterey, CA 93942

Below is list of 35 wastewater Injection Wells Injecting into Protected (Non-Exempt) Aquifers with 3,000 - 10,000 mg/L TDS (Category 1)

Field Name	Operator Name	API Number	Latitude	Longitude	Zone TDS Data	Injection Zone	Top Perf	Number of Water Supply Wells Identified within One Mile Radius
Lynch Canyon	Eagle Petroleum, LLC	5320795	35.99723562	-120.8465773	3500	Santa Margarita	1275	2
Lynch Canyon	Eagle Petroleum, LLC	5322018	35.99852025	-120.8459847	3500	Santa Margarita	1240	2
San Ardo	Chevron U.S.A. Inc.	5320282	35.97433547	-120.8726857	6692	Aurignac	1475	14
San Ardo	Vintage Production California LLC	5321884	35.98891327	-120.8762411	6300	Santa Margarita	1400	4
Any Field	Aera Energy LLC	5321549	35.90607925	-120.8249597	8000	Lombardi/Aurignac/Continental	2765	0
Any Field	Aera Energy LLC	5321550	35.89282806	-120.7965823	8000	Lombardi/Aurignac/Continental	UNK	1
Any Field	Aera Energy LLC	5321583	35.90609381	-120.8251527	8000	Lombardi/Aurignac/Continental	2770	0
Any Field	Aera Energy LLC	5321587	35.90605723	-120.8255175	8000	Lombardi/Aurignac/Continental	2672	0
Any Field	Aera Energy LLC	5321739	35.90610444	-120.8253588	8000	Lombardi/Aurignac/Continental	2710	0
Any Field	Aera Energy LLC	5321819	35.90607497	-120.8247941	8000	Lombardi/Aurignac/Continental	2813	0
Lynch Canyon	Eagle Petroleum, LLC	5322162	35.994675	-120.845186	5800	Lanigan	3418	2
McCool Ranch	F Freoagle	5321118	36.01715539	-120.8659978	UNK	"E" Sand, Monterey Fm.	2010	1
McCool Ranch	Calif. Oil Independents	5321120	36.0125641	-120.8658518	UNK	"E" Sand, Monterey Fm.	2046	1
Monroe Swell	Calif. Oil Independents	5320365	36.26154544	-121.2501176	4800	44 / Doud	2403	1
San Ardo	Aera Energy LLC	5321007	35.95910249	-120.8398085	3845	Aurignac	2030	3
San Ardo	Aera Energy LLC	5321008	35.95921345	-120.8397073	7200	Aurignac	2790	3
San Ardo	Aera Energy LLC	5321009	35.95931856	-120.8396066	3845	Aurignac	2404	3
San Ardo	Aera Energy LLC	5321011	35.9592666	-120.8396511	7200	Aurignac	2895	3
San Ardo	Chevron U.S.A. Inc.	5321216	35.99293066	-120.8871904	6692	Aurignac	2393	11
San Ardo	Aera Energy LLC	5321348	35.92277366	-120.8075111	3845	Aurignac	2558	0
San Ardo	Aera Energy LLC	5321360	35.9231813	-120.8074484	3845	Aurignac	2840	0
San Ardo	Aera Energy LLC	5321484	35.92317208	-120.8076871	7200	Aurignac	3075	0
San Ardo	Chevron U.S.A. Inc.	5321607	35.98036788	-120.8885674	6692	Aurignac	2648	19
San Ardo	Chevron U.S.A. Inc.	5321866	35.98926119	-120.8866737	6692	Aurignac	2426	13
San Ardo	Chevron U.S.A. Inc.	5321955	35.97797794	-120.8812216	6692	Aurignac	2519	18
San Ardo	Chevron U.S.A. Inc.	5321956	35.98486807	-120.8857571	6692	Aurignac	2410	17
San Ardo	Chevron U.S.A. Inc.	5322014	35.98249586	-120.8895129	6692	Aurignac	2555	20
San Ardo	Chevron U.S.A. Inc.	5322015	35.98510859	-120.8910826	6692	Aurignac	2450	15
San Ardo	Chevron U.S.A. Inc.	5322016	35.98068175	-120.8886465	6692	Aurignac	2905	16
San Ardo	Chevron U.S.A. Inc.	5322023	35.98123734	-120.8835964	6692	Aurignac	2785	18
San Ardo	Chevron U.S.A. Inc.	5322024	35.98236604	-120.8894794	6692	Aurignac	2835	17
San Ardo	Chevron U.S.A. Inc.	5322025	35.98521948	-120.8911812	6692	Aurignac	2673	14
San Ardo	Chevron U.S.A. Inc.	5322026	35.97789593	-120.8813989	6692	Aurignac	2792	19
San Ardo	Chevron U.S.A. Inc.	5322027	35.99234948	-120.8872389	6692	Aurignac	2680	10
San Ardo	Vintage Production California LLC	5322250	35.988744	-120.876256	6300	Santa Margarita	UNK	14