

Sent: Tuesday, July 16, 2024 2:42 PM

To: Scott Murphy [REDACTED]

Cc: scottwatertrust@gmail.com; WB-DWR-ScottShastaDrought <DWR-ScottShastaDrought@Waterboards.ca.gov>

Subject: Amend and Re-Submit 2024 Groundwater Local Cooperative Solution – Murphy Ranch

Hi Scott,

As we discussed by phone yesterday, on July 16, 2024, I am following up with you to confirm the plan to amend your LCS proposal, and to resubmit it for reconsideration.

Proposed amendments:

1. **Reduce the total acreage from 61 to 38 acres** because you intend to fallow 23 acres (Field 1) that will be covered under a grant with CDFW and not included in your LCS.
2. **Change the LCS type(s) from Best Management Practices/Graduated Cessation Schedule to a Percent Reduction** that uses the same actions detailed in your 2022 proposal (attached) to reduce water usage by at least 30% compared to the 2020 baseline year.
3. **Include the following actions as your methods for water use reduction:**
 - a. **Field 2:** Irrigated by wheel lines in both 2020 and 2024, you have replaced the nozzles with smaller ones and plan to decrease your set times from approximately 11.5 hours to 8 hours.
 - b. **Field 3:** In 2020, the 25 acres were irrigated by wheel line, but you have since replaced the wheel lines with a LESA pivot system.

In 2022, you rotated the grass out and planted grain, resulting in a water use reduction. Please provide specific details for the water use reduction in 2024 now that alfalfa has been planted (vs. grain).

4. **Include a plan to install a flow meter on your pivot** that irrigates 25 acres (Field 3) of the total 38 acres. The meter will be installed in Winter 2024-25, and you agree to record data for one full irrigation season from the time of installation and report the data to the State Water Board.
5. **Include a plan to monitor water usage** for your wheel lines and pivot by recording set times and duration, that will be reported monthly to the Coordinating Entity or the State Water Board, whichever is applicable.

Review and revise the attached 2024 Spreadsheet:

In the attached 2024 spreadsheet, I have removed the 23 acres (Field 1) that you intend to exclude from the proposal. Can you please review the 2024 spreadsheet and make any

necessary revisions (e.g., **water application amounts for 2024**, irrigation type, hours per set, etc.)? It looks like Wheat Hay was being irrigated for Field 3 (25 acres) back in 2022, and you advised that alfalfa has since been planted, so application amounts may need to be adjusted.

Action Items:

1. Confirm that my understanding of the changes to be made to the LCS proposal are accurate and/or provide clarifying information.
2. Provide specific details for the water use reduction in 2024 now that alfalfa has been planted (vs. grain).
3. Make any necessary revisions to the attached 2024 Spreadsheet (e.g., water application amounts for 2024, irrigation type, hours per set, etc.).

Once we receive the information requested and revisions to the 2024 spreadsheet, I will rescind the “denial” and we can move forward with processing your application. It would be great if we could have this information by COB on Friday, July 19, 2024, but I understand the current evacuation order could prevent you from meeting this request.

I appreciate your cooperation, time, and effort.

Take care,

Shay

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Shay Richardson

Senior Environmental Scientist (Specialist)

Supply, Demand, & Instream Flow Section

State Water Resources Control Board

Division of Water Rights

From: WB-DWR-ScottShastaDrought

Sent: Tuesday, July 2, 2024 3:46 PM

Field ID	2020 Irrigated Acres	2020 Irrigation Method	2020 Crop Type	Calculation Factors	April 2020	May 2020	June 2020	July 2020	August	September	October	2020 Total	2024	2024 Irrigation Method	2024 Crop Type	Calculation Factors	April 2024	May 2024	June 2024	July 2024	August	September	October	2024 Total
					Acres	Acres	Acres	Acres	Acres	Acres	Acres						Acres	Acres	Acres	Acres	Acres	Acres	Acres	
2	18	2 Small wheel lines share the acres - Dog Leg 18 Irrigation	Orchard Grass	33 Sprinklers, 3/16" @ 60 psi, 8 sets per pass, 6 passes, 1-2 cutting, 3-5 passes, 11 hour sets	12.84	12.84	12.84	12.84	12.12	4.28	0	72.76	18	2 Small wheel lines share the acres - Dog Leg Section	Orchard Grass	33 Sprinklers, 3/16" @ 45 psi, 8 sets per pass, 6 passes, 1-2 cutting, 3-5 passes, 10 hour sets	9.93	9.93	9.93	9.93	13.24	0	0	52.96
3	20	Wheel line section that converted to pivot after 1st crop 2020 - 1st crop numbers here	Orchard Grass	35 Sprinklers 3/16" @ 60 psi, 12 sets per pass, 4 passes, 1st cutting, 11 hour sets	13.62	13.62						27.24	20											0
3	22	Pivot with LEPA Section 22 acres	Orchard Grass	Pivot with LEPA up and running after 1st crop, 1" per pass application		8.75	8.25	12.81	11	0	0	26.81	22	Pivot with LEPA section of field	Alfalfa	1" applications as needed up to June 20th, 18" total applied	11	11	11	0	0	0	0	33
3	0	Outside of Pivot - Wheel lines	Orchard Grass	25 sprinklers 3/16 @ 60 psi, 3 sets per pass, 11 hour sets, 4 passes per cutting	2.44	3.66	3.66	1.22	0	0	0	10.98	0	Outside of Pivot - Wheel lines	Alfalfa	25 Sprinklers 3/16" @ 45 psi, 3 sets per pass, 10 hour sets, 5 passes	1.88	1.88	0.94	0	0	0	0	4.7
3	0	Hand Lines by mobile Home	Orchard Grass	6 Sprinklers 3/16 @ 80 psi, 4 sets per pass, 11 hour sets, 4 passes per cutting	0.78	1.17	1.17	0.39	0	0	0	3.51	0	Hand Lines by Mobile Home	Alfalfa	6 Sprinklers 3/16", 4 sets per pass, 10 hour sets, 5 passes	0.6	0.6	0.3	0	0	0	0	1.5
Totals for Scott Murray					26.46	26.46	24.31	25.25	16.78	16.88	0	114.81	38				23.41	23.41	22.17	9.93	13.24	0	0	50.61
																	N/A	N/A	N/A	18.48	28.56	11.823	0	108.374
																			Yes	760	794	0	0	
																	11.526833	11.526833	8.8026174	61.689548	61.9321449	100	401.4728071	

From: [Scott Murphy](#)
To: [Richardson, Shay@Waterboards](mailto:Richardson_Shay@Waterboards)
Subject: Re: Amend and Re-Submit 2024 Groundwater Local Cooperative Solution – Murphy Ranch
Date: Monday, July 29, 2024 10:07:39 AM

Caution: External Email. Use caution when clicking links or opening attachments. When in doubt, contact DIT or use the Phish Alert Button.

Yes, please proceed with the changes we discussed involving the installation of a meter on the pivot and changing from the cessation proposal to the 30% reduction in water use.

Thanks,
Scot Murphy

On Mon, Jul 29, 2024 at 10:04 AM Scott Murphy [REDACTED] wrote:

On Tue, Jul 23, 2024 at 10:00 AM Richardson, Shay@Waterboards
<Shay.Richardson@waterboards.ca.gov> wrote:

Hi Scott,

Just wanted to give you a heads up that the curtailment order will go out this week.

Can you please confirm or provide revisions to the amendments that we discussed on the phone and are summarized in my previous email on July 16th?

More generally, that you (1) plan to install a meter on your pivot in Winter 2024-25 and that you agree to provide the meter data for the full 2025 irrigation season and (2) plan to revise your proposal to use the Percent Reduction LCS type that reflects your previous actions in 2022.

If you agree to these two components, I think we can move forward with rescinding the denial and iron out the details of your spreadsheet afterwards.

Thank you!

Shay

From: Richardson, Shay@Waterboards