



Rio Grande Water Conservation District

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Protecting & Conserving San Luis Valley Water

Date: 6/5/2024

RE: Subdistrict No. 1 Replacement Water Accounting for the month of May, 2024.

Dear Mr. Cotten,

The following is the Subdistrict No. 1 Replacement Water Accounting for the month of May, 2024. As per the Terms and Condition No. 7 of the 2024 Annual Replacement Plan (ARP) Approval for Special Improvement Subdistrict No. 1 of the Rio Grande Water Conservation District document received from Colorado State Engineer Jason Ullmann on May 1, 2024, this data will be broken down to include the following: Subdistrict diversions, depletions, replacement sources and river calls on a monthly basis.

Synopsis of May 2024 Replacement Water Operations:

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of May on a daily basis pursuant to the amounts presented in Table 2.6 in the approval letter for the Subdistrict's 2024 ARP. On May 1st, the ditches on the Rio Grande continued diverting water for the 2024 Irrigation Season. Subdistrict No. 1 used response function accretions from Stream Reach 1 (-88.6 AF) to offset Stream Reach 2 depletions (63.1 AF) and Stream Reach 3 depletions (1.5 AF). The remainder of Stream Reach 1 accretions (-24 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

The following Tables 1 and 2 illustrate the Subdistrict's replacement water plan operations on a daily basis during May, 2024. Detailed accounting for daily administration can also be found on the Rio Grande Water Conservation District's website (<http://rgwcd.org>) under Subdistrict No. 1 Annual Replacement Plan.

Table 1: Subdistrict No. 1 depletions per Table 2.6 in the approval letter for the Subdistrict's 2024 ARP: Subdistrict No. 1 Monthly Net Stream Depletions for 2024 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2024 **May 2024 Depletion Obligation Total:** 63.1 ac-ft to Stream Reach 2 & 1.5 ac-ft to Stream Reach 3 **May 2024 Replacement Operation Total:** Use of 64.6 ac-ft of Stream Reach 1 accretions to offset Stream Reach 2 & Stream Reach 3 depletions; 24 ac-ft of Stream Reach 1 accretions leftover.

Table 1

<i>Date</i>	<i>Depletion Obligation</i>				<i>Depletion Replacement</i>				
May 2024	SR-1 Ac-ft.	SR-2 Ac-ft.	SR-3 Ac-ft.	Total Accretions left from SR-1 (Ac-ft.)	SR-1 Accretion Exchange to SR-2 (Ac-ft.)	SR-1 Accretion Exchange to SR-2 (cfs)	SR-1 Accretion Exchange to SR-3 (Ac-ft.)	SR-1 Accretion Exchange to SR-3 (cfs)	Total SR-1 Accretions Used (AF)
2024 ARP for May 2024	-88.6	63.1	1.5	-24					
1	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
2	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
3	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
4	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
5	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
6	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
7	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
8	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
9	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
10	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
11	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
12	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
13	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
14	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
15	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
16	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
17	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
18	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
19	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
20	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
21	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
22	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
23	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
24	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
25	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
26	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
27	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
28	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
29	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
30	-2.86	2.043	0.040	-0.77	2.043	1.03	0.040	0.02	2.083
31	-2.92	1.805	0.310	-0.80	1.805	0.91	0.31	0.16	2.115
Totals (AF)	88.60	63.10	1.50	-24.0	63.10	63.10	1.50	1.50	64.60

Table 2: District 20 Rio Grande River Call for May 2024 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

<i>May 2024</i>	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	236-A	Empire Canal	No Forbearance in May 2024
2	293	Costilla Ditch	
3	297	Prairie Ditch	
4	312-A	Rio Grande Canal	
5	297	Prairie Ditch	
6	312-A	Rio Grande Canal	
7	293	Costilla Ditch	
8	274	Westside Ditch	
9	263	Star Ditch	
10	241	Rio Grande Piedra Valley	
11	249	Excelsior Ditch	
12	262	Excelsior Ditch	
13	262	Excelsior Ditch	
14	270	San Luis Valley Canal	
15	297	Prairie Ditch	
16	314	Farmers' Union Canal	
17	358	Monte Vista Canal	
18	365	Rio Grande Canal	
19	1903-22B	San Luis Valley Canal	
20	1903-24E	Prairie Ditch	
21	1903-24F	Farmer's Union Canal	
22	1903-22D	Rio Grande San Luis Ditch	
23	365	Rio Grande Canal	
24	361-B	Empire Canal	
25	363	Westside Ditch	
26	361-A	Empire Canal	
27	361-A	Empire Canal	
28	363-B	Rio Grande Canal	
29	1903-17A	Prairie Ditch	
30	1903-22C	Prairie Ditch	
31	1903-22C	Prairie Ditch	

Contact person responsible for the operation and accounting for Subdistrict No. 1:
 Taylor Chick
 Program Manager, Subdistrict #1
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