



Rio Grande Water Conservation District

Special Improvement District No. 5

8805 Independence Way • Alamosa, Colorado 81101

Phone: (719) 589-6301 • Fax: (719) 992-2026

August 20, 2024

RE: Subdistrict No. 5 Replacement Water Accounting for the Month of July 2024

Dear Mr. Cotten,

The following Tables illustrate Subdistrict No. 5's accounting of its daily replacement operations for the month of July 2024 as required in Term and Condition No. 7 of the State Engineer's 2024 Annual Replacement Plan Approval Letter received on May 1, 2024. The table includes data regarding the following: daily and monthly Subdistrict No. 5 projected stream depletion obligations; replacement/remedy sources used; daily and monthly amount of each replacement/remedy source used; and, where available, identification of the water rights that received replacement/remedy from the Subdistrict on a daily basis.

Synopsis of July 2024 Subdistrict No. 5 Replacement Operations

Under the direction of the Division No. 3 Division Engineer and District 20, 25, and 26 Water Commissioners, Subdistrict No. 5 replaced all projected injurious stream reach depletions on Saguache Creek, San Luis Creek, and the Rio Grande on a daily basis for the month of July 2024 pursuant to the projected amounts calculated in Table 2.3 included in the approved 2024 Annual Replacement Plan. Replacement of injurious stream depletions began on May 1, 2024 on all stream reaches.

Replacement Operations on Saguache Creek

For the month of July 2024, Subdistrict No. 5 used a combination of the surface water rights associated with SWSP 9367 and the groundwater rights associated with SWSP 8308 for all of the depletions owed for the month. The SWSP 9367 water rights yielded 28.2 ac-ft for the month (0.9097 ac-ft per day). The augmentation well delivering the SWSP 8308 water rights delivered 3.95 ac-ft per day for the period of July 1st through July 22nd for a total of 86.9 ac-ft. From July 23rd to July 31st the well delivered 1.95 ac-ft per day, for a total of 17.55 ac-ft. Total deliveries for the month were 132.651 ac-ft. The following Table 1 illustrates the Subdistrict's daily replacement operations for Saguache Creek during the month of July 2024.

In order to remedy delivery shortfalls from the months of May and June, from July 1st through July 22nd Subdistrict No. 5 delivered approximately 2.566 ac-ft per day more than the projected stream depletions. The delivery of the shortfall from May and June was completed by July 22nd and Subdistrict No. 5 reduced the daily over delivery to approximately 0.566 ac-ft per day.

In order to prevent such delivery shortfalls in the future Subdistrict No. 5 is pursuing two specific additional delivery sources. The first is an additional augmentation well; SD5 SWSP Well 2, WDID 2606028, permit no. 88968-F. This well has been drilled and is awaiting the installation of a pump and

pipeline. The pipeline from this well will connect to the existing pipeline from WDID 2606025. This project is scheduled to be completed prior to April 2025. This project is anticipated to increase the delivery capacity of Subdistrict No. 5 by around 200-300 gpm, which will prevent under delivery in June of future “average” years. The second project Subdistrict No. 5 is undertaking, is the drilling of a third augmentation well at a point downstream from the current augmentation wells. The anticipated capacity of this third augmentation well is 1,430 gpm. This project will provide redundancy and increased capacity for Subdistrict No. 5 to remedy future injurious depletions. It is anticipated that this project will be completed by April 30, 2025.

Replacement Operations on San Luis Creek

For the month of July 2024, Subdistrict No. 5 used approved Well Injury Payment Agreements in place with the Subdistrict for all of the depletions owed for the month. The following Table 2 illustrates the Subdistrict’s daily replacement operations for San Luis Creek during the month of July 2024.

Replacement Operations on the Rio Grande

For the month of July 2024, Subdistrict No. 5 used Closed Basin Project water to make replacements to all injured water rights on the Rio Grande. The following Table 3 illustrates the Subdistrict’s daily replacement operations for the Rio Grande during the month of July 2024.

A copy of this detailed accounting can be found on the District’s website at rgwcd.org under Subdistrict No. 5’s Annual Replacement Plan link. If you should have any questions about the information included in this reporting, please contact Chris Ivers whom is the Program Manager responsible for the operation and accounting for Subdistrict No. 5. He can be reached at (719) 589-6301.

Table 1: Subdistrict No. 5 depletion obligation to Saguache Creek per Table 2.3 of the approved Annual Replacement Plan approved by the State Engineer on May 1, 2024. July 2024 depletion obligation total is 71.1 ac-ft. Total replacements/remedies were 132.651 ac-ft.

TABLE 1								
July	Saguach Creek	Total Required 2024 ARP	Replacement Sources			Total	Priority No. Receiving Replacement/Remedy	Water District No. 26 Ditch Receiving Replacement/Remedy
	SR-1 Ac-Ft.		SWSP 9367 Direct Flow Ac-Ft.	SWSP 8308 Aug Well to Stream				
1	2.2936	2.294	0.9097	3.9500		4.860	20	
2	2.2936	2.294	0.9097	3.9500		4.860	20	
3	2.2936	2.294	0.9097	3.9500		4.860	23	
4	2.2936	2.294	0.9097	3.9500		4.860	23	
5	2.2936	2.294	0.9097	3.9500		4.860	19	
6	2.2936	2.294	0.9097	3.9500		4.860	19	
7	2.2936	2.294	0.9097	3.9500		4.860	19	
8	2.2936	2.294	0.9097	3.9500		4.860	19	
9	2.2936	2.294	0.9097	3.9500		4.860	18	
10	2.2936	2.294	0.9097	3.9500		4.860	14	
11	2.2936	2.294	0.9097	3.9500		4.860	14	
12	2.2936	2.294	0.9097	3.9500		4.860	14	
13	2.2936	2.294	0.9097	3.9500		4.860	14	
14	2.2936	2.294	0.9097	3.9500		4.860	14	
15	2.2936	2.294	0.9097	3.9500		4.860	12	
16	2.2936	2.294	0.9097	3.9500		4.860	14	
17	2.2936	2.294	0.9097	3.9500		4.860	14	
18	2.2936	2.294	0.9097	3.9500		4.860	14	
19	2.2936	2.294	0.9097	3.9500		4.860	14	
20	2.2936	2.294	0.9097	3.9500		4.860	14	
21	2.2936	2.294	0.9097	3.9500		4.860	14	
22	2.2936	2.294	0.9097	3.9500		4.860	14	
23	2.2936	2.294	0.9097	1.9500		2.860	14	
24	2.2936	2.294	0.9097	1.9500		2.860	14	
25	2.2936	2.294	0.9097	1.9500		2.860	14	
26	2.2936	2.294	0.9097	1.9500		2.860	14	
27	2.2936	2.294	0.9097	1.9500		2.860	14	
28	2.2936	2.294	0.9097	1.9500		2.860	14	
29	2.2936	2.294	0.9097	1.9500		2.860	17	
30	2.2936	2.294	0.9097	1.9500		2.860	17	
31	2.2936	2.294	0.9097	1.9500		2.860	17	
Totals	71.102	71.102	28.201	104.450	0.000	132.651		

Table 2: Subdistrict No. 5 depletion obligation to San Luis Creek per Table 2.3 of the approved Annual Replacement Plan approved by the State Engineer on May 1, 2024. July 2024 depletion obligation total is 1.55 ac-ft. Total replacements/remedies were 1.6 ac-ft.

TABLE 2						
July	San Luis Creek	Total Required 2024 ARP	Replacement Sources	Total	Priority No. Receiving Replacement/Remedy	Water District No. 25 Ditch Receiving Replacement/Remedy
	SR-1 Ac-Ft.		Forbearance SR 1 Ac-Ft.			
1	0.0500	0.0500	0.052	0.052		
2	0.0500	0.0500	0.052	0.052		
3	0.0500	0.0500	0.052	0.052		
4	0.0500	0.0500	0.052	0.052		
5	0.0500	0.0500	0.052	0.052		
6	0.0500	0.0500	0.052	0.052		
7	0.0500	0.0500	0.052	0.052		
8	0.0500	0.0500	0.052	0.052		
9	0.0500	0.0500	0.052	0.052		
10	0.0500	0.0500	0.052	0.052		
11	0.0500	0.0500	0.052	0.052		
12	0.0500	0.0500	0.052	0.052		
13	0.0500	0.0500	0.052	0.052		
14	0.0500	0.0500	0.052	0.052		
15	0.0500	0.0500	0.052	0.052		
16	0.0500	0.0500	0.052	0.052		
17	0.0500	0.0500	0.052	0.052		
18	0.0500	0.0500	0.052	0.052		
19	0.0500	0.0500	0.052	0.052		
20	0.0500	0.0500	0.052	0.052		
21	0.0500	0.0500	0.052	0.052		
22	0.0500	0.0500	0.052	0.052		
23	0.0500	0.0500	0.052	0.052		
24	0.0500	0.0500	0.052	0.052		
25	0.0500	0.0500	0.052	0.052		
26	0.0500	0.0500	0.052	0.052		
27	0.0500	0.0500	0.052	0.052		
28	0.0500	0.0500	0.052	0.052		
29	0.0500	0.0500	0.052	0.052		
30	0.0500	0.0500	0.052	0.052		
31	0.0500	0.0500	0.052	0.052		
Totals	1.550	1.550	1.600	1.600		

Table 3: Subdistrict No. 5 depletion obligation to the Rio Grande per Table 2.3 of the approved Annual Replacement Plan approved by the State Engineer on May 1, 2024. July 2024 depletion obligation total is 26.3 ac-ft. Total replacements/remedies total 26.3 ac-ft.

TABLE 3						
July	Rio Grande	Total Required 2024 ARP	Replacement Sources	Total	Priority No. Receiving Replacement/Remedy	Water District No. 20 Ditch Receiving Replacement/Remedy
	SR-1 Ac-Ft.		Closed Basin Project SR 1 Ac-Ft.			
1	0.848	0.848	0.853	0.853	236-A	
2	0.848	0.848	0.853	0.853	290	
3	0.848	0.848	0.853	0.853	270	
4	0.848	0.848	0.853	0.853	241	
5	0.848	0.848	0.853	0.853	236-A	
6	0.848	0.848	0.853	0.853	224	
7	0.848	0.848	0.853	0.853	218	
8	0.848	0.848	0.853	0.853	216-A	
9	0.848	0.848	0.853	0.853	216-A	
10	0.848	0.848	0.853	0.853	216-A	
11	0.848	0.848	0.853	0.853	216-A	
12	0.848	0.848	0.853	0.853	216-A	
13	0.848	0.848	0.853	0.853	216-A	
14	0.848	0.848	0.853	0.853	216-A	
15	0.848	0.848	0.853	0.853	216-A	
16	0.848	0.848	0.853	0.853	216-A	
17	0.848	0.848	0.853	0.853	216-A	
18	0.848	0.848	0.853	0.853	216-A	
19	0.848	0.848	0.853	0.853	216-A	
20	0.848	0.848	0.853	0.853	216-A	
21	0.848	0.848	0.853	0.853	216-A	
22	0.848	0.848	0.853	0.853	216-A	
23	0.848	0.848	0.853	0.853	216-A	
24	0.848	0.848	0.853	0.853	216-A	
25	0.848	0.848	0.853	0.853	216-A	
26	0.848	0.848	0.853	0.853	198	
27	0.848	0.848	0.853	0.853	209	
28	0.848	0.848	0.853	0.853	204	
29	0.848	0.848	0.853	0.853	198	
30	0.848	0.848	0.853	0.853	178	
31	0.848	0.848	0.714	0.714	178	
Totals	26.297	26.297	26.301	26.301		