Rio Grande Water Conservation District
Special Improvement District No. 3
8805 Independence Way • Alamosa, Colorado 81101
Phone: (719) 589-6301 • Fax: (719) 992-2026

June 9, 2023

RE: Subdistrict No. 3 Replacement Water Accounting for the Month of May 2023

Dear Mr. Cotten,

The following Tables 1, 2 and 3 illustrates Subdistrict No. 3's accounting of its daily replacement operations for the month of May 2023 as required in Term and Condition No. 7 of the State Engineer's 2023 Annual Replacement Plan Approval Letter received on May 1, 2023. The table includes data regarding the following: daily and monthly Subdistrict No. 3 projected stream depletion obligations; replacement/remedy sources used; daily and monthly amount of each replacement/remedy source used; and, identification of the water rights that received replacement/remedy from the Subdistrict on a daily basis.

Synopsis of May 2023 Subdistrict No. 3 Replacement Operations

Under the direction of the Division No. 3 Division Engineer and District 20, 21, and 22 Water Commissioners, Subdistrict No. 3 replaced all projected injurious stream reach depletions on the Rio Grande, Alamosa, and Conejos Rivers on a daily basis for the month of May 2023 pursuant to the projected amounts calculated in Table 2.3 included in the approved 2023 Annual Replacement Plan. Replacement of injurious stream depletions began on May 1, 2023 on the Rio Grande, the Alamosa, and the Conejos Rivers.

Replacement Operations on the Rio Grande

For the month of May 2023, Subdistrict No. 3 used Nelson Tunnel water and Taos Valley No. 3 Depletion Bank credits to make replacements to all injured water rights on the Rio Grande which did not have an approved Forbearance Agreement in place with the Subdistrict. Wet water replacements were released from the pool of water held by the Subdistrict in Beaver Reservoir. All wet water releases included 5% to cover the transit loss occurring between the reservoir and the head of Stream Reach No. 1, 10% to the head of Stream Reach No. 2, and 15% to the head of Stream Reach No. 3. The following Table 1 illustrates the Subdistrict's daily replacement operations for the Rio Grande during the month of May 2023.

Table 1 illustrates all days during the month of May 2023 in which Nelson Tunnel water and Taos Valley No. 3 Depletion Bank credits were used to replace depletions caused by Subdistrict No. 3 Wells. The total amount of Nelson Tunnel water used to cover daily injurious stream depletions and associated transit losses on the Rio Grande was 12.85 ac-ft. The amount of Nelson Tunnel water remaining in storage in Beaver Reservoir is 9.2 ac-ft. The total amount of Taos Valley No. 3 Depletion Bank credits used to cover daily injurious stream depletions and associated transit losses on the Rio Grande was 11.25 ac-ft.

Replacement Operations on the Conejos

For the month of May 2023, Subdistrict No. 3 used water stored in Platoro Reservoir to make replacements to all injured water rights on the Conejos which did not have an approved Forbearance Agreement in place with the Subdistrict. Beginning on May 1st, all wet water releases included 10% transit losses to Stream Reach 1 and 15% to Stream Reach 2. The following Table 2 illustrates the Subdistrict's daily replacement operations for the Conejos during the month of May 2023.

Per SWSP ID 6074, Table 2 illustrates all days during the month of May 2023 in which Taos Valley No. 3 water rights were used to replace depletions caused by Subdistrict No. 3 wells. The total amount of water used to cover injurious stream depletions and associated transit losses on the Conejos was 90.28 ac-ft.

Under SWSP ID 6056, water was stored in Platoro Reservoir in the amount of 175 ac-ft. This water remains in storage and was not used to make replacements for the month of May. The total amount of water used to cover injurious stream depletions and associated transit losses on the Conejos was 0.0 ac-ft. The amount remaining in storage under SWSP 6056 is 175 ac-ft.

Per SWSP ID 6061, Table 2 illustrates all days during the month of May 2023 in which SLVWCD Transmountain water was used to replace depletions caused by Subdistrict No. 3 Wells. The total amount of water used to cover daily injurious stream depletions and associated transit losses on the Conejos River was 11.31 ac-ft. The amount remaining in storage in Platoro Reservoir under SWSP 6061 is 729.17 ac-ft.

Replacement Operations on the Alamosa

For the month of May 2023, Subdistrict No. 3 used approved Forbearance Agreements in place with the Subdistrict for the majority of the depletions owed for the month. The Subdistrict used water stored in Terrace Reservoir under SWSP 6066 to make replacements to all injured water rights on the Alamosa which did not have an approved Forbearance Agreement in place with the Subdistrict. The following Table 3 illustrates the Subdistrict's daily replacement operations for the Alamosa during the month of May 2023.

Per SWSP ID 6066, Table 3 illustrates all days during the month of May 2023 in which EXPO LLC water rights were used to replace depletions on the Alamosa River caused by Subdistrict No. 3 Wells. The total amount of water used to cover injurious stream depletions on the Alamosa was 1.43 ac-ft. The amount of EXPO LLC augmentation credits remaining in storage under this SWSP is 69.89 ac-ft.

A copy of this detailed accounting can be found on the District's website at RGWCD.org under Subdistrict No. 3's Annual Replacement Plan link. If you should have any questions about the information included in this reporting, please contact Angelo Bellah whom is the Program Manager responsible for the operation and accounting for Subdistrict No. 3. He can be reached at (719) 589-6301.

Table 1: Subdistrict No. 3 depletion obligation to the Rio Grande River per Table 2.3 included in the 2023 approved Annual Replacement Plan. May 2023 depletion obligation total is 44.1 ac-ft. Total replacements/remedies total 44.09 ac-ft.

TABLE 1

May	Rio Grande River			Total Daily Depletion Obligation	Replacement/Remedy Sources			Total Daily Replacement/ Remedy	Priority No. Receiving Replacement/ Remedy	Water District No. 20 Ditch Receiving Replacement/Remedy
						Subdistrict No. 3				
	SR-1 Ac-Ft.	SR-2 Ac-Ft.	SR-3 Ac-Ft.	Ac-ft.	Forbearance SR 1, 2 & 3 Ac-Ft.	Nelson Tunnel SR 1, 2 & 3 Ac-Ft.	Taos Valle No. 3 Credits Ac-Ft.	Ac-ft.		
1	0.179	0.258	0.992	**1.428**	1.428			**1.428**	365	Rio Grande Canal
2	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1903-22C	Praire Ditch
3	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1903-22F	Blanca Canal
4	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-24F	Farmer's Union Canal (SLVID)
5	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-24F	Farmer's Union Canal (SLVID)
6	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-24C	Rio Grande Canal
7	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1903-22B	San Luis Valley Canal
8	0.179	0.258	0.992	**1.428**	1.428			**1.428**	365	Rio Grande Canal
9	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-17	Rio Grande Lariat
10	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-22E	Farmer's Union Canal (SLVID)
11	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-22E	Farmer's Union Canal (SLVID)
12	0.179	0.258	0.992	**1.428**	1.428			**1.428**	365	Rio Grande Canal
13	0.179	0.258	0.992	**1.428**	1.428			**1.428**	365	Rio Grande Canal
14	0.179	0.258	0.992	**1.428**	1.428			**1.428**	365	Rio Grande Canal
15	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1903-22C	Praire Ditch
16	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-24F	Farmer's Union Canal (SLVID)
17	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-34G	Farmer's Union Canal (SLVID)
18	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1903-37D	Praire Ditch
19	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1903-34H	Blanca Canal (SLV Canal)
20	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1901-41D	Praire Ditch
21	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1903-45D	San Luis Valley Canal
22	0.179	0.258	0.992	**1.428**	1.428			**1.428**	1903-34C	Rio Grande Canal
23	0.179	0.258	0.992	**1.428**		1.428		**1.428**	1903-30D	Praire Ditch
24	0.179	0.258	0.992	**1.428**			1.428	**1.428**	1903-30F	Farmer's Union Canal (SLVID)
25	0.179	0.258	0.992	**1.428**			1.428	**1.428**	1903-37B	Rio Grande Canal
26	0.179	0.258	0.992	**1.428**			1.428	**1.428**	1903-45C	Rio Grande Canal
27	0.179	0.258	0.992	**1.428**			1.428	**1.428**	1903-46C	Rio Grande Canal
28	0.179	0.258	0.992	**1.428**			1.428	**1.428**	1903-49D	Rio Grande Canal
29	0.179	0.258	0.992	**1.428**			1.428	**1.428**	1903-49D	Rio Grande Canal
30	0.179	0.258	0.992	**1.428**			1.428	**1.428**	1903-49B	Monte Vista Canal
31	0.139	0.159	0.952	**1.250**			1.250	**1.250**	1903-46C	Rio Grande Canal
Totals	**5.494**	**7.894**	**30.705**	**44.093**	**19.992**	**12.852**	**11.246**	**44.090**		

Table 2: Subdistrict No. 3 depletion obligation to the Conejos River per Table 2.3 included in the 2023 approved Annual Replacement Plan. May 2023 depletion obligation total is 184.0 ac-ft.
Total replacements/remedies are 184.02 ac-ft.

Table 2

May	Conejos River		Total Daily Depletion Obligation Ac-ft.	Replacement Sources				Total Daily Replacement/ Remedy Ac-ft.	Priority No. Receiving Replacement/ Remedy	Water District No. 22 Ditch Receiving Replacement/Remedy
	SR-1 Ac-Ft.	SR-2 Ac-Ft.		Accretions Town of Antonito SR 1	Forbearance SR 1 & 2 Ac-Ft.	Reservoir Release of SLVWCD TM Water SR 1 & 2 Ac-Ft.	Taos Valle No. 3 Depletion Bank Credits SR 1 & 2 Ac-Ft.			
1	1.845	4.106	**5.951**	0.294	5.657			**5.951**	66	North Eastern
2	1.845	4.106	**5.951**	0.294	5.657			**5.951**	113	Antonito
3	1.845	4.106	**5.951**	0.294		5.657		**5.951**	108	Alamo
4	1.845	4.106	**5.951**	0.294		5.657		**5.951**	108	Alamo
5	1.845	4.106	**5.951**	0.294	5.657			**5.951**	113	Antonito
6	1.845	4.106	**5.951**	0.294	5.657			**5.951**	113	Antonito
7	1.845	4.106	**5.951**	0.294	5.657			**5.951**	115	Mogote
8	1.845	4.106	**5.951**	0.294	5.657			**5.951**	141	Taos Valley #3
9	1.845	4.106	**5.951**	0.294			5.657	**5.951**	142, 143, 144, 151, 155	Heads Mill, San Juan San Rafael, LeDuc, Jacob #2, Fox Creek
10	1.845	4.106	**5.951**	0.294	5.657			**5.951**	115	Mogote
11	1.845	4.106	**5.951**	0.294	5.657			**5.951**	115	Mogote
12	1.845	4.106	**5.951**	0.294	5.657			**5.951**	115	Mogote
13	1.845	4.106	**5.951**	0.294	5.657			**5.951**	115	Mogote
14	1.845	4.106	**5.951**	0.294	5.657			**5.951**	115	Mogote
15	1.845	4.106	**5.951**	0.294	5.657			**5.951**	115	Mogote
16	1.845	4.106	**5.951**	0.294	5.657			**5.951**	141	Taos Valley #3
17	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
18	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
19	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
20	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
21	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
22	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
23	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
24	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
25	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
26	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
27	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
28	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
29	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
30	1.845	4.106	**5.951**	0.294			5.657	**5.951**	n/a	Compact
31	1.666	3.828	**5.494**	0.073			5.421	**5.494**	n/a	Compact
Totals	**57.006**	**127.004**	**184.009**	**8.893**	**73.541**	**11.314**	**90.276**	**184.024**		

Table 3: Subdistrict No. 3 depletion obligation to the Alamosa River per Table 2.3 included in the 2023 approved Annual Replacement Plan. May 2023 depletion obligation total is 22.0 ac-ft. Total replacements/remedies are 22.00 ac-ft.

TABLE 3							
	Alamosa River		Replacement Sources				
May	SR-1 Ac-Ft.	Total Required 2019 ARP	Forbearance SR 1 Ac-Ft.	EXPO SWSP Augmentation Credits SR 1 Ac-Ft.	Total	Priority No. Receiving Replacement/ Remedy	Water District No. 21 Ditch Receiving Replacement/Remedy
1	0.714	**0.714**	0.714		**0.714**	68	Norland Ditch
2	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
3	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
4	0.714	**0.714**	0.714		**0.714**	74	North Alamosa Ditch; Weist Ditch
5	0.714	**0.714**	0.714		**0.714**	76	Alamosa CC (Terrace); Terrace Main
6	0.714	**0.714**	0.714		**0.714**	76	Alamosa CC (Terrace); Terrace Main
7	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
8	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
9	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
10	0.714	**0.714**	0.714		**0.714**	84	Scandanavian Canal
11	0.714	**0.714**	0.714		**0.714**	84	Scandanavian Canal
12	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
13	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
14	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
15	0.714	**0.714**	0.714		**0.714**	71	Alamosa CC (Terrace); Lowland, Ditch and Overflow
16	0.714	**0.714**	0.714		**0.714**	76	Alamosa CC (Terrace); Terrace Main
17	0.714	**0.714**		0.714	**0.714**	92	La Hoya Ditch
18	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
19	0.714	**0.714**		0.714	**0.714**	100	Head Overflow No. 5
20	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
21	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
22	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
23	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
24	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
25	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
26	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
27	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
28	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
29	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
30	0.714	**0.714**	0.714		**0.714**	105	Empire Canal
31	0.575	**0.575**	0.575		**0.575**	105	Empire Canal
Totals	**21.997**	**21.997**	**20.567**	**1.428**	**21.995**		