



## Rio Grande Water Conservation District Special Improvement District No. 3

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November 11, 2019

**RE: Subdistrict No. 3 Replacement Water Accounting for the Month of October 2019**

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 October 2019 as required in Term and Condition No. 6 of the State Engineer's 2019 Annual Replacement Plan Approval Letter received on May 1, 2019. 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 October 2019 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 on a daily basis for the month of October 2019 pursuant to the projected amounts calculated in Table 2.3 included in the approved 2019 Annual Replacement Plan. Replacement of injurious stream depletions began on May 1, 2019 on the Rio Grande, the Alamosa and the Conejos.

### Replacement Operations on the Rio Grande

For the month of October 2019, Subdistrict No. 3 used Pine River-Weminuche Pass Ditch transbasin water or Santa Maria Reservoir Company water 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 October 2019.

Per SWSP ID 6061, Table 1 illustrates all days during the month of October in which Pine River-Weminuche Pass Ditch transbasin 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 Rio Grande was 10.95 ac-ft. The amount remaining in storage in Beaver Reservoir under SWSP 6062 is 129.96 ac-ft. No water stored under this SWSP in Platoro Reservoir was used for stream replacements for the month of October 2019.

### Replacement Operations on the Conejos

For the month of October 2019, Subdistrict No. 3 used approved Forbearance Agreements in place with the Subdistrict for those ditches with agreements and Taos Valley No. 3 compact credit water was used to make replacements to all injured water rights on the Conejos which did not have an approved Forbearance Agreement in place with the Subdistrict. All replacements made with Taos Valley No. 3 water included 7.5% to cover transit losses from the Taos Valley No. 3 heading to the compact gages. The following Table 2 illustrates the Subdistrict's daily replacement operations for the Conejos during the month of October 2019.

Per SWSP ID 6074, Table 2 illustrates all days during the month of October 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 163.15 ac-ft. The amount remaining in the depletion bank for the remainder of the compact year under SWSP 6074 is 1,290.562 ac-ft.

Under SWSP ID 6056, water was stored in Platoro Reservoir in the amount of 440.34 ac-ft. This water remains in storage and was not used to make replacements for the month of October 2019. This amount will be reduced to account for evaporation once the amount is determined by DWR and the reservoir company.

### Replacement Operations on the Alamosa

For the month of October 2019, Subdistrict No. 3 used approved Forbearance Agreements for ditches with agreements. The Subdistrict used water stored in Terrace Reservoir under SWSP 6070 for the remainder of the October 2019 depletions owed for which the Subdistrict did not have an approved forbearance in place. The following Table 3 illustrates the Subdistrict's daily replacement operations for the Alamosa during the month of October 2019.

Per SWSP ID 6070, Subdistrict No. 3 began storing water in Terrace Reservoir from Priority No. 1, the El Viejo Ditch, when the water right was in priority. No additional water was stored during October 2019. This SWSP includes a return flow and ditch loss requirement. A portion of the water stored under this SWSP was released during the month of October to cover injurious stream depletions on the Alamosa in the amount of 3.61 ac-ft. and 56.33 ac-ft. remains in storage in Terrace Reservoir after accounting for evaporative losses.

A copy of this detailed accounting can be found on the District's website at [RGWCD.org](http://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 Amber Pacheco whom is the Program Manager responsible for the operation and accounting for Subdistrict No. 3. She can be reached at (719) 589-6301.

Table 1: Subdistrict No. 3 depletion obligation to the Rio Grande River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). October 2019 depletion obligation total is 37.0 ac-ft. Total replacements/remedies total 36,983 ac-ft.

October	Rio Grande River			Total Daily Depletion Obligation Ac-ft.	Replacement/Remedy Sources			Total Daily Replacement/Remedy Ac-ft.	Priority No. Receiving Replacement/Remedy	Water District No. 20 Ditch Receiving Replacement/Remedy
	SR-1	SR-2	SR-3		Forbearance	SD 1	Pine River- Weminuche Pass TM			
	Ac-Ft.	Ac-Ft.	Ac-Ft.		SR 1, 2 & 3 Ac-Ft.	SR 1, 2 & 3 Ac-ft.	SR 1, 2 & 3 Ac-Ft.			
1	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
2	0.161	0.226	0.806	1.193	0	1.193	0	1.193	192	Nichols Ditch
3	0.161	0.226	0.806	1.193	0	1.193	0	1.193	190	Minor Ditch
4	0.161	0.226	0.806	1.193	0	1.193	0	1.193	190	Minor Ditch
5	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
6	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
7	0.161	0.226	0.806	1.193	0	1.193	0	1.193	176 & 178	Rio Grande Canal and Hermanthal Ditch
8	0.161	0.226	0.806	1.193	0	1.193	0	1.193	192	Nichols Ditch
9	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
10	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
11	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
12	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
13	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
14	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
15	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
16	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
17	0.161	0.226	0.806	1.193	0	1.193	0	1.193	198	Enterprise Ditch
18	0.161	0.226	0.806	1.193	0	1.193	0	1.193	211 & 216-A	Rio Grande Canal and Lease, Davis & Bingle
19	0.161	0.226	0.806	1.193	0	1.193	0	1.193	209	Fish Ditch and Billings Ditch (50%/50%)
20	0.161	0.226	0.806	1.193	0	1.193	0	1.193	204 & 209	Fish Ditch and Billings Ditch (50%/50%), Rio Grande San Luis Ditch
21	0.161	0.226	0.806	1.193	0	1.193	0	1.193	200, 202 & 203	Loma Ditch, Schcherl Ditch and Rio Grande No. 2 Ditch
22	0.161	0.226	0.806	1.193	0	1.193	0	1.193	198	Enterprise Ditch
23	0.161	0.226	0.806	1.193	0	1.193	0	1.193	197	Biedel Ditch
24	0.161	0.226	0.806	1.193	0	1.193	0	1.193	198	Enterprise Ditch
25	0.161	0.226	0.806	1.193	0	1.193	0	1.193	202 & 203	Loma Ditch and Schcherl Ditch
26	0.161	0.226	0.806	1.193	0	1.193	0	1.193	209	Fish Ditch and Billings Ditch (50%/50%)
27	0.161	0.226	0.806	1.193	0	1.193	0	1.193	209	Fish Ditch and Billings Ditch (50%/50%)
28	0.161	0.226	0.806	1.193	0	1.193	0	1.193	216-A	Rio Grande Canal
29	0.161	0.226	0.806	1.193	0	1.193	0	1.193	216-A	Rio Grande Canal
30	0.161	0.226	0.806	1.193	0	1.193	0	1.193	216-A	Rio Grande Canal
31	0.161	0.226	0.806	1.193	0	1.193	0	1.193	216-A	Rio Grande Canal
<b>Totals</b>	<b>4.991</b>	<b>7.006</b>	<b>24.986</b>	<b>36.983</b>	<b>0.000</b>	<b>27.439</b>	<b>9.544</b>	<b>36.983</b>		

**Table 2.** Subdistrict No. 3 depletion obligation to the Conejos River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). October 2019 depletion obligation total is 284.0 ac-ft. Total replacements/remedies total 283,991 ac-ft.

October	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.		Forbearance SR 1 & 2	Taos Valley No. 3 SR 1 & 2 Ac-Ft.			
1	2.161	7.000	9.161	3.912	1.768	9.161	1	Manassa No. 3 (42.67%)
				3.481			1	Guadalupe (19.28%)
2	2.161	7.000	9.161	3.912		9.161	1	Romero Ditch (38.05%)
				3.481	1.768		1	Manassa No. 3 (42.67%)
3	2.161	7.000	9.161	3.912		9.161	1	Guadalupe (19.28%)
				3.481			1	Romero Ditch (38.05%)
				3.912	1.768		1	Manassa No. 3 (42.67%)
				3.481			1	Guadalupe (19.28%)
4	2.161	7.000	9.161	3.912		9.161	1	Romero Ditch (38.05%)
				3.481	1.768		1	Manassa No. 3 (42.67%)
5	2.161	7.000	9.161	3.912		9.161	1	Guadalupe (19.28%)
				3.481			1	Romero Ditch (38.05%)
				3.912	1.768		1	Manassa No. 3 (42.67%)
6	2.161	7.000	9.161	3.912		9.161	1	Guadalupe (19.28%)
				3.481			1	Romero Ditch (38.05%)
7	2.161	7.000	9.161	3.912		9.161	1	Manassa No. 3 (42.67%)
				3.481	1.768		1	Guadalupe (19.28%)
8	2.161	7.000	9.161	3.912		9.161	1	Romero Ditch (38.05%)
				3.481			1	Manassa No. 3 (42.67%)
				3.912	1.768		1	Guadalupe (19.28%)
				3.481			1	Romero Ditch (38.05%)
9	2.161	7.000	9.161	3.912		9.161	1	Manassa No. 3 (42.67%)
				3.481	1.768		1	Guadalupe (19.28%)
10	2.161	7.000	9.161	3.912		9.161	1	Romero Ditch (38.05%)
				3.481			1	Manassa No. 3 (42.67%)
				3.912	1.768		1	Guadalupe (19.28%)
				3.481			1	Romero Ditch (38.05%)
11	2.161	7.000	9.161	3.912		9.161	1	Manassa No. 3 (42.67%)
				3.481	1.768		1	Guadalupe (19.28%)
				3.912			1	Romero Ditch (38.05%)
				3.481			1	Manassa No. 3 (42.67%)

12	2.161	7.000	9.161	3.912		9.161	1	9.161	Manassa No. 3 (42.67%)
					1.768		1		Guadalupe (19.28%)
13	2.161	7.000	9.161	3.481			1		Romero Ditch (38.05%)
				3.912			1	9.161	Manassa No. 3 (42.67%)
					1.768		1		Guadalupe (19.28%)
14	2.161	7.000	9.161	3.481			1		Romero Ditch (38.05%)
				3.912			1	9.161	Manassa No. 3 (42.67%)
					1.768		1		Guadalupe (19.28%)
15	2.161	7.000	9.161	3.481			1		Romero Ditch (38.05%)
				3.912			1	9.161	Manassa No. 3 (42.67%)
					1.768		1		Guadalupe (19.28%)
16	2.161	7.000	9.161	3.481			1		Romero Ditch (38.05%)
				3.912			1	9.161	Manassa No. 3 (42.67%)
					1.768		1		Guadalupe (19.28%)
17	2.161	7.000	9.161	3.481			1		Romero Ditch (38.05%)
				3.912			1	9.161	Manassa No. 3 (42.67%)
					1.768		1		Guadalupe (19.28%)
18	2.161	7.000	9.161	3.481			1		Romero Ditch (38.05%)
				3.912			1	9.161	Manassa No. 3 (42.67%)
					1.768		1		Guadalupe (19.28%)
19	2.161	7.000	9.161	3.481			1		Romero Ditch (38.05%)
20	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
21	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
22	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
23	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
24	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
25	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
26	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
27	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
28	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
29	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
30	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
31	2.161	7.000	9.161		9.161			9.161	Rio Grande Compact
<b>Totals</b>	<b>66.991</b>	<b>247.000</b>	<b>283.991</b>	<b>133.074</b>	<b>150.917</b>	<b>283.991</b>		<b>283.991</b>	

**Table 3:** Subdistrict No. 3 depletion obligation to the Alamosa River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). October 2019 depletion obligation total is 4.0 ac-ft. Total replacements/remedies total 3.999 ac-ft.

October		TABLE 3			Priority No. Receiving Replacement/Remedy	Water District No. 21 Ditch Receiving/Remedy
		Alamosa River SR-1 Ac-Ft.	Total Required 2019 ARP	Replacement Sources		
				Forbearance SR 1 Ac-Ft.	Faucette SWSP Water SR 1 Ac-Ft.	Total
1	0.129	0.129	0.129	0.0	0.129	0.129
2	0.129	0.129	0.129	0.0	0.129	0.129
3	0.129	0.129	0.129	0.0	0.129	0.129
4	0.129	0.129	0.129	0	0.129	0.129
5	0.129	0.129	0.129	0.129	0	0.129
6	0.129	0.129	0.129	0.129	0	0.129
7	0.129	0.129	0.129	0	0.129	0.129
8	0.129	0.129	0.129	0	0.129	0.129
9	0.129	0.129	0.129	0	0.129	0.129
10	0.129	0.129	0.129	0	0.129	0.129
11	0.129	0.129	0.129	0.129	0	0.129
12	0.129	0.129	0.129	0	0.129	0.129
13	0.129	0.129	0.129	0	0.129	0.129
14	0.129	0.129	0.129	0	0.129	0.129
15	0.129	0.129	0.129	0	0.129	0.129
16	0.129	0.129	0.129	0	0.129	0.129
17	0.129	0.129	0.129	0	0.129	0.129
18	0.129	0.129	0.129	0	0.129	0.129
19	0.129	0.129	0.129	0	0.129	0.129
20	0.129	0.129	0.129	0	0.129	0.129
21	0.129	0.129	0.129	0	0.129	0.129
22	0.129	0.129	0.129	0	0.129	0.129
23	0.129	0.129	0.129	0	0.129	0.129
24	0.129	0.129	0.129	0	0.129	0.129
25	0.129	0.129	0.129	0	0.129	0.129
26	0.129	0.129	0.129	0	0.129	0.129
27	0.129	0.129	0.129	0	0.129	0.129
28	0.129	0.129	0.129	0	0.129	0.129
29	0.129	0.129	0.129	0	0.129	0.129
30	0.129	0.129	0.129	0	0.129	0.129
31	0.129	0.129	0.129	0	0.129	0.129
<b>Totals</b>	<b>3.999</b>	<b>3.999</b>	<b>0.387</b>	<b>3.612</b>	<b>3.999</b>	<b>3.999</b>