



Rio Grande Water Conservation District
Special Improvement District No. 3

8805 Independence Way • Alamosa, Colorado 81101
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September 10, 2019

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

Per SWSP ID 6061, Table 1 illustrates all days during the month of August 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 11.76 ac-ft. The amount remaining in storage in Beaver Reservoir under SWSP 6062 is 156.27 ac-ft. No water stored under this SWSP in Platoro Reservoir was used for stream replacements for the month of August 2019.

Replacement Operations on the Conejos

For the month of August 2019, Subdistrict No. 3 used approved Forbearance Agreements in place with the Subdistrict for the majority of the depletions owed for the month. 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 August 2019.

Per SWSP ID 6074, Table 2 illustrates all days during the month of August 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 166.797 ac-ft. The amount remaining in the depletion bank for the remainder of the compact year under SWSP 6074 is 1520.791 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 August 2019.

Replacement Operations on the Alamosa

For the month of August 2019, 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 6070 for the remainder of the August 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 August 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 August 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 August to cover injurious stream depletions on the Alamosa in the amount of 4.636 ac-ft. and 62.10 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 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 3: Subdistrict No. 3 depletion obligation to the Alamosa River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). August 2019 depletion obligation total is 8 ac-ft. Total replacements/remedies total 7.998 ac-ft.

TABLE 3							
August	Alamosa River	Total Required 2019 ARP	Replacement Sources		Total	Priority No. Receiving Replacement/Remedy	Water District No. 21 Ditch Receiving Replacement/Remedy
	SR-1 Ac-Ft.		Forbearance SR 1 Ac-Ft.	Faucette SWSP Water SR 1 Ac-Ft.			
1	0.258	0.258	0.258	0	0.258	32	Ortiz Ditch
2	0.258	0.258	0	0.258	0.258	26	Ramona Ditch
3	0.258	0.258	0.258	0	0.258	32	Ortiz Ditch
4	0.258	0.258	0.258	0	0.258	32	Ortiz Ditch
5	0.258	0.258	0.258	0	0.258	36	Arroyo Ditch
6	0.258	0.258	0.258	0	0.258	36	Arroyo Ditch
7	0.258	0.258	0.258	0	0.258	32	Ortiz Ditch
8	0.258	0.258	0.258	0	0.258	36	Arroyo Ditch
9	0.258	0.258	0.258	0	0.258	36	Arroyo Ditch
10	0.258	0.258	0.258	0	0.258	36	Arroyo Ditch
11	0.258	0.258	0.258	0	0.258	36	Arroyo Ditch
12	0.258	0.258	0.258	0	0.258	69	Flintham Ditch
13	0.258	0.258	0	0.258	0.258	44	Cottonwood Ditch
14	0.258	0.258	0.258	0	0.258	32	Ortiz Ditch
15	0.258	0.258	0	0.258	0.258	38	Union Ditch
16	0.258	0.258	0.258	0	0.258	32	Ortiz Ditch
17	0.258	0.258	0.258	0	0.258	32	Ortiz Ditch
18	0.258	0.258	0	0.258	0.258	15	Alamosa Creek Canal
19	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
20	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
21	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
22	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
23	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
24	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
25	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
26	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
27	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
28	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
29	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
30	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
31	0.258	0.258	0	0.258	0.258	10	Capulin Ditch
Totals	7.998	7.998	3.612	4.386	7.998		

Table 2: Subdistrict No. 3 depletion obligation to the Conejos River per Table 2.3 of the approved 2019 Annual Replacment Plan (ARP). August 2019 depletion obligation total is 324 ac-ft. Total replacements/remedies total 323.981 ac-ft.

Table 2								
August	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	2.774	7.677	10.451		10.451	10.451	6	Seledonia Valdez
2	2.774	7.677	10.451		10.451	10.451	6	Seledonia Valdez
3	2.774	7.677	10.451	10.451		10.451	5	Manassa No. 3
4	2.774	7.677	10.451	10.451		10.451	5	Manassa No. 3
5	2.774	7.677	10.451	10.451		10.451	5	Manassa No. 3
6	2.774	7.677	10.451		10.451	10.451	3	El Coda
7	2.774	7.677	10.451		10.451	10.451	3	El Coda
8	2.774	7.677	10.451		10.451	10.451	3	El Coda
9	2.774	7.677	10.451		10.451	10.451	3	El Coda
10	2.774	7.677	10.451		10.451	10.451	3	El Coda
11	2.774	7.677	10.451	10.451		10.451		Manassa No. 3(25.8%) and Servietta (74.2%)
12	2.774	7.677	10.451	10.451		10.451	8	Salazar Ditch
13	2.774	7.677	10.451		10.451	10.451	13	San Rafael
14	2.774	7.677	10.451		10.451	10.451	13	San Rafael
15	2.774	7.677	10.451		10.451	10.451	13	San Rafael
16	2.774	7.677	10.451		10.451	10.451	13	San Rafael
17	2.774	7.677	10.451	10.451		10.451	5	Manassa No. 3(25.8%) and Servietta (74.2%)
18	2.774	7.677	10.451	10.451		10.451	5	Manassa No. 3(25.8%) and Servietta (74.2%)
19	2.774	7.677	10.451		10.451	10.451	3	El Coda
20	2.774	7.677	10.451	7.641	0	10.451	2	Manassa No. 3
20				0	2.810		2	Heads Mill
21	2.774	7.677	10.451	7.641	0	10.451	2	Manassa No. 3
21				0	2.810		2	Heads Mill
22	2.774	7.677	10.451	7.641	0	10.451	2	Manassa No. 3
22				0	2.810		2	Heads Mill
23	2.774	7.677	10.451	7.641	0	10.451	2	Manassa No. 3
23				0	2.810		2	Heads Mill
24	2.774	7.677	10.451	7.641	0	10.451	2	Manassa No. 3
24				0	2.810		2	Heads Mill
25	2.774	7.677	10.451	7.641	0	10.451	2	Manassa No. 3
25				0	2.810		2	Heads Mill
26	2.774	7.677	10.451	7.641	0	10.451	2	Manassa No. 3
26				0	2.810		2	Heads Mill
27	2.774	7.677	10.451	4.460	0	10.451	1	Manassa No. 3 (42.67%)
27				0	2.015		1	Guadalupe (19.28%)
27				3.976	0		1	Romero Ditch (38.05%)

28	2.774	7.677	10.451	4.460	0	10.451	1	Manassa No. 3 (42.67%)
28				0	2.015		1	Guadalupe (19.28%)
28				3.976	0		1	Romero Ditch (38.05%)
29	2.774	7.677	10.451	4.46	0	10.451	1	Manassa No. 3 (42.67%)
29				0	2.015		1	Guadalupe (19.28%)
29				3.976	0		1	Romero Ditch (38.05%)
30	2.774	7.677	10.451	4.460	0	10.451	1	Manassa No. 3 (42.67%)
30				0	2.015		1	Guadalupe (19.28%)
30				3.976	0		1	Romero Ditch (38.05%)
31	2.774	7.677	10.451	4.460	0	10.451	1	Manassa No. 3 (42.67%)
31				0	2.015		1	Guadalupe (19.28%)
31				3.976	0		1	Romero Ditch (38.05%)
Totals	85.994	237.987	323.981	168.824	155.157	323.981		

Table 1: Subdistrict No. 3 depletion obligation to the Rio Grande River per Table 2.3 of the approved 2019 Annual Replacemnt Plan (ARP). August 2019 depletion obligation total is 29 ac-ft. Total replacements/remedies total 29.016 ac-ft.

TABLE 1										
August	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 Ac-Ft.	SR-2 Ac-Ft.	SR-3 Ac-Ft.		Forbearance SR 1, 2 & 3 Ac-Ft.	SD 1 SMRC Ac-Ft. SR 1, 2 & 3 Ac-ft.	Pine River-Weminuche Pass TM SR 1, 2 & 3 Ac-Ft.			
	1	0.161	0.194		0.581	0.936	0			
2	0.161	0.194	0.581	0.936	0.936	0	0	0.936	217	Rio Grande Lariat Ditch
3	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
4	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
5	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
6	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
7	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
8	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
9	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
10	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
11	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
12	0.161	0.194	0.581	0.936	0.936	0	0	0.936	217	Rio Grande Lariat Ditch
13	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
14	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
15	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
16	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
17	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
18	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
19	0.161	0.194	0.581	0.936	0	0.936	0	0.936	216A	Rio Grande Canal
20	0.161	0.194	0.581	0.936	0	0.936	0	0.936	198	Rio Grande Canal
21	0.161	0.194	0.581	0.936	0	0	0.936	0.936	174	Chicago Ditch
22	0.161	0.194	0.581	0.936	0	0	0.936	0.936	174	Chicago Ditch
23	0.161	0.194	0.581	0.936	0	0	0.936	0.936	174	Chicago Ditch
24	0.161	0.194	0.581	0.936	0	0	0.936	0.936	174	Chicago Ditch
25	0.161	0.194	0.581	0.936	0	0	0.936	0.936	166	Independent Ditch
26	0.161	0.194	0.581	0.936	0	0	0.936	0.936	174	Chicago Ditch
27	0.161	0.194	0.581	0.936	0	0	0.936	0.936	174	Chicago Ditch
28	0.161	0.194	0.581	0.936	0	0	0.936	0.936	163 & 164	Pfieffer and Excelsior
29	0.161	0.194	0.581	0.936	0	0	0.936	0.936	163	Excelsior
30	0.161	0.194	0.581	0.936	0	0	0.936	0.936	163	Excelsior
31	0.161	0.194	0.581	0.936	0	0	0.936	0.936	163	Excelsior
Totals	4.991	6.014	18.011	29.016	1.872	16.848	10.296	29.016		