



Rio Grande Water Conservation District
Special Improvement District No. 3

8805 Independence Way • Alamosa, Colorado 81101
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August 9, 2019

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

Per SWSP ID 6061, Table 1 illustrates all days during the month of July 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 5.48 ac-ft. The amount remaining in storage in Beaver Reservoir under SWSP 6062 is 168.02 ac-ft. No water stored under this SWSP in Platoro Reservoir was used for stream replacements for the month of July 2019.

Replacement Operations on the Conejos

For the month of July 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 July 2019.

Per SWSP ID 6074, Table 2 illustrates all days during the month of July 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 129.87 ac-ft. The amount remaining in the depletion bank for the remainder of the compact year under SWSP 6074 is 1687.588 ac-ft. In the two previous monthly accounting reports, the amount remaining was incorrectly reported and the July 31, 2019 balance is the corrected amount remaining.

Per SWSP ID 6056, Subdistrict No. 3 began storing water from Priority No. 33 on the San Antonio when the water right was in priority and after Article VII restrictions were lifted. Storage began on May 14, 2019, at a rate of 3.7 c.f.s. a day for a total of 440.34 ac-ft. This water remains in storage and was not used to make replacements for the month of July 2019.

Replacement Operations on the Alamosa

For the month of July 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 July 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 July 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. Storage beginning on July 1, 2019, at a rate of 0.504 c.f.s. a day totaled of 31.0 ac-ft. This SWSP includes a return flow and ditch loss requirement. Per this SWSP, during the month of July, 4.0 ac-ft. of the water right leased by the Subdistrict was left in the El Viejo Ditch to cover the ditch loss requirement and 7 ac-ft. was diverted from the ditch and measured into a recharge pit to cover the return flow requirement. A portion of the water stored under this SWSP was released during the month of July to cover injurious stream depletions on the Alamosa in the amount of 7.22 ac-ft. and 66.50 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 1: Subdistrict No. 3 depletion obligation to the Rio Grande River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP), July 2019 depletion obligation total is 37 ac-ft. Total replacements/remedies total 36,983 ac-ft.

Rio Grande River		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.	Total Daily Depletion Obligation Ac-ft.	Forbear Empire SR 1, 2 & 3 Ac-Ft.	Forbear MVC SR 1, 2 & 3 Ac-ft.	Forbear Lariat SR 1, 2 & 3 Ac-ft.	Forbear Rio Grande SR 1, 2 & 3 Ac-ft.	SD 1 SMRC Ac-Ft.	Pine River- Weminuche Pass TM SR 1, 2 & 3 Ac-Ft.					
July																
1	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	1903-24E	Prairie Ditch
2	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	1903-24E	Prairie Ditch
3	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	1903-22E	Farmer's Union Ditch
4	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	365	Rio Grande Canal
5	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	363-B	Rio Grande Canal
6	0.161	0.226	0.806	1.193	0	1.193	0	0	0	0	0	0	0	1.193	358	Monte Vista Canal
7	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	314	Farmer's Union Ditch
8	0.161	0.226	0.806	1.193	0	0	0	0	0	0	1.193	0	0	1.193	301 and 298	Pfeiffer Ditch, Star Ditch and Rio Grande San Luis
9	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	312A	Rio Grande Canal
10	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	314	Farmer's Union Ditch
11	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	297	Prairie Ditch
12	0.161	0.226	0.806	1.193	0	0	0	0	0	0	1.193	0	0	1.193	293	Costilla Ditch
13	0.161	0.226	0.806	1.193	0	0	0	0	0	0	1.193	0	0	1.193	285	Rio Grande #1
14	0.161	0.226	0.806	1.193	0	0	0	0	0	0	1.193	0	0	1.193	248	Rio Grande and San Jose
15	0.161	0.226	0.806	1.193	1.193	0	0	0	0	0	0	0	0	1.193	236A	Empire Canal
16	0.161	0.226	0.806	1.193	1.193	0	0	0	0	0	0	0	0	1.193	236A	Empire Canal
17	0.161	0.226	0.806	1.193	1.193	0	0	0	0	0	0	0	0	1.193	236A	Empire Canal
18	0.161	0.226	0.806	1.193	1.193	0	0	0	0	0	0	0	0	1.193	236A	Empire Canal
19	0.161	0.226	0.806	1.193	1.193	0	0	0	0	0	0	0	0	1.193	236A	Empire Canal
20	0.161	0.226	0.806	1.193	1.193	0	0	0	0	0	0	0	0	1.193	236A	Empire Canal
21	0.161	0.226	0.806	1.193	1.193	0	0	0	0	0	0	0	0	1.193	236A	Empire Canal
22	0.161	0.226	0.806	1.193	0	1.193	0	0	0	0	0	0	0	1.193	224	Monte Vista Canal
23	0.161	0.226	0.806	1.193	0	1.193	0	0	0	0	0	0	0	1.193	224	Monte Vista Canal
24	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	216A	Rio Grande Canal
25	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	216A	Rio Grande Canal
26	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	216A	Rio Grande Canal
27	0.161	0.226	0.806	1.193	0	1.193	0	0	0	0	0	0	0	1.193	224	Monte Vista Canal
28	0.161	0.226	0.806	1.193	0	1.193	0	0	0	0	0	0	0	1.193	224	Monte Vista Canal
29	0.161	0.226	0.806	1.193	0	0	1.193	0	0	0	0	0	0	1.193	217	Rio Grande Lariat Ditch
30	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	216A	Rio Grande Canal
31	0.161	0.226	0.806	1.193	0	0	0	0	1.193	0	0	0	0	1.193	216A	Rio Grande Canal
Totals	4.991	7.006	24.986	36.983	8.351	5.965	8.351	15.509	4.772	36.983	36.983					

Table 2: Subdistrict No. 3 depletion obligation to the Conejos River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). July 2019 depletion obligation total is 288 ac-ft. Total replacements/remedies total 288,021 ac-ft.

July	Conejos River		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.	Forbear San Juan Rafael Ditch SR 1 & 2		Forbear Los Sauces Ditch SR 1 & 2		Forbear Manassa Ditch SR 1 & 2		Forbear Mogote Ditch SR 1 & 2		Forbear Northeastern Ditch SR 1 & 2					Forbear Richfield Canal SR 1 & 2		Forbear Sanford Canal SR 1 & 2		Taos Valley No. 3 SR 1 & 2 Ac-Ft.		
			3,097	6,194	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0
1	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	115	Mogote Ditch
2	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	115	Rio Grande Compact
3	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	115	Rio Grande Compact
4	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	115	Rio Grande Compact
5	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	115	Rio Grande Compact
6	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	115	Mogote Ditch
7	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	104	Sanford Ditch
8	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	83	Hughes Overflow No. 2
9	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	83	Hughes Overflow No. 2
10	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	66	Northeastern
11	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	59	Richfield Canal
12	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	48	Manassa Ditch
13	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
14	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
15	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
16	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
17	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
18	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
19	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
20	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
21	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	32	Los Sauces Ditch
22	3,097	6,194	9,291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	27	San Juan San Rafael
23	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	16	Manassa Ditch
24	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	16	Manassa Ditch
25	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	4.5	Garcia Ditch
26	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	4.5	Garcia Ditch
27	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	4.5	Garcia Ditch
28	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	4.5	Garcia Ditch
29	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	6	Seledonia Valdez
30	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	6	Seledonia Valdez
31	3,097	6,194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,291	6	Seledonia Valdez
Totals	92.91	192.014	9,291	83.619	27.873	18.582	9.291	9.291	9.291	9.291	9.291	9.291	9.291	9.291	9.291	9.291	120.783	288.021	288.021			

Table 3: Subdistrict No. 3 depletion obligation to the Alamosa River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). July 2019 depletion obligation total is 16 ac-ft. Total replacements/remedies total 15,996 ac-ft.

Alamosa River		Replacement Sources							Priority No. Receiving Replacement/Remedy	Water District No. 21 Ditch Receiving Replacement/Remedy
July	SR-1 Ac-Ft.	Total Required 2019 ARP	Forbear Terrace Main Canal SR 1	Forbear Lowland Overflow Ditch SR 1	Forbear Arroyo Ditch SR 1	Forbear Ortiz Ditch SR 1	Faucette SWSP Water SR 1 Ac-Ft.	Total		
1	0.516	0.516	0	0	0	0	0	0.516	Rio Grande Compact	
2	0.516	0.516	0	0	0	0	0	0.516	Rio Grande Compact	
3	0.516	0.516	0	0	0	0	0	0.516	Rio Grande Compact	
4	0.516	0.516	0	0	0	0	0	0.516	Rivera Ditch	
5	0.516	0.516	0.516	0	0	0	0	0.516	Terrace Main Canal	
6	0.516	0.516	0.516	0	0	0	0	0.516	Terrace Main Canal	
7	0.516	0.516	0	0.516	0	0	0	0.516	Lowland Overflow	
8	0.516	0.516	0	0	0	0	0	0.516	Miller Ditch	
9	0.516	0.516	0	0	0	0	0	0.516	Miller Ditch	
10	0.516	0.516	0	0	0	0	0	0.516	Miller Ditch	
11	0.516	0.516	0	0	0	0	0	0.516	Miller Ditch	
12	0.516	0.516	0	0	0	0	0	0.516	Head Overflow	
13	0.516	0.516	0.516	0	0	0	0	0.516	Terrace Main Canal	
14	0.516	0.516	0	0	0	0	0	0.516	Gallegos No. 3	
15	0.516	0.516	0	0.516	0	0	0	0.516	Lowland Overflow	
16	0.516	0.516	0	0.516	0	0	0	0.516	Lowland Overflow	
17	0.516	0.516	0	0.516	0	0	0	0.516	Lowland Overflow	
18	0.516	0.516	0	0.516	0	0	0	0.516	Lowland Overflow	
19	0.516	0.516	0	0	0	0	0	0.516	Cottonwood Ditch	
20	0.516	0.516	0.516	0	0	0	0	0.516	Terrace Main Canal	
21	0.516	0.516	0	0	0.516	0	0	0.516	Arroyo Ditch	
22	0.516	0.516	0	0	0.516	0	0	0.516	Arroyo Ditch	
23	0.516	0.516	0	0	0	0	0	0.516	Head Overflow	
24	0.516	0.516	0	0	0	0.516	0	0.516	Ortiz Ditch	
25	0.516	0.516	0	0	0	0.516	0	0.516	Ortiz Ditch	
26	0.516	0.516	0	0	0	0.516	0	0.516	Ortiz Ditch	
27	0.516	0.516	0	0	0.516	0	0	0.516	Arroyo Ditch	
28	0.516	0.516	0	0	0.516	0	0	0.516	Arroyo Ditch	
29	0.516	0.516	0	0	0	0	0.516	0.516	Ramona Ditch	
30	0.516	0.516	0	0	0	0	0	0.516	San Jose No. 1-Ditch	
31	0.516	0.516	0	0	0	0.516	0	0.516	Ortiz Ditch	
Totals	15,996	15,996	2,064	2,58	2,064	2,064	7,224	15,996		