



Rio Grande Water Conservation District Special Improvement District No. 3

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October 11, 2019

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

Per SWSP ID 6061, Table 1 illustrates all days during the month of September 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 15.35 ac-ft. The amount remaining in storage in Beaver Reservoir under SWSP 6062 is 140.91 ac-ft. No water stored under this SWSP in Platoro Reservoir was used for stream replacements for the month of September 2019.

Replacement Operations on the Conejos

For the month of September 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 September 2019.

Per SWSP ID 6074, Table 2 illustrates all days during the month of September 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 64.47 ac-ft. The amount remaining in the depletion bank for the remainder of the compact year under SWSP 6074 is 1,453.712 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 September 2019.

Replacement Operations on the Alamosa

For the month of September 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 September 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 September 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 September 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 September to cover injurious stream depletions on the Alamosa in the amount of 0.476 ac-ft. and 60.25 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). September 2019 depletion obligation total is 31.0 ac-ft. Total replacements/remedies total 31.020 ac-ft.

September	Rio Grande River			Replacement/Remedy Sources			Total Daily Depletion Obligation 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	Pine River-Werninuche Pass TM SR 1, 2 & 3 Ac-Ft.				Total Daily Replacement/Remedy Ac-ft.
1	0.167	0.2	0.667	0	0	1.034	1.034	163	Excelsior Ditch	
2	0.167	0.2	0.667	0	0	1.034	1.034	146	Rio Grande Piedra Valley Ditch	
3	0.167	0.2	0.667	0	0	1.034	1.034	163	Excelsior Ditch	
4	0.167	0.2	0.667	0	0	1.034	1.034	144 & 143	Atencio Ditch, Anderson Ditch and Atkins Ditch	
5	0.167	0.2	0.667	0	0	1.034	1.034	138, 127 & 126	Nichols Ditch, Del Norte Town Ditch and Del Norte Town Ditch	
6	0.167	0.2	0.667	0	0	1.034	1.034	166 & 165	Independent Ditch and Westside Ditch	
7	0.167	0.2	0.667	0	0	1.034	1.034	166, 165, 164	Independent Ditch, Westside Ditch and Pfeiffer	
8	0.167	0.2	0.667	1.034	0	1.034	1.034	163	Excelsior Ditch	
9	0.167	0.2	0.667	0	0	1.034	1.034	173	Centennial Ditch	
10	0.167	0.2	0.667	0	0	1.034	1.034	187 & 184	Bauer Ditch, South Fork Highline Ditch, Minor and Park Green	
11	0.167	0.2	0.667	0	1.034	0	1.034	178	Rio Grande Canal	
12	0.167	0.2	0.667	0	1.034	0	1.034	178	Rio Grande Canal	
13	0.167	0.2	0.667	0	0	1.034	1.034	187	Ehowitz Ditch and Bauer Ditch	
14	0.167	0.2	0.667	0	1.034	0	1.034	178	Rio Grande Canal	
15	0.167	0.2	0.667	0	0	1.034	1.034	166	Independent Ditch	
16	0.167	0.2	0.667	0	0	1.034	1.034	166	Independent Ditch	
17	0.167	0.2	0.667	0	1.034	0	1.034	178	Rio Grande Canal	
18	0.167	0.2	0.667	0	1.034	0	1.034	178	Rio Grande Canal	
19	0.167	0.2	0.667	0	0	1.034	1.034	174	Chicago Ditch	
20	0.167	0.2	0.667	0	1.034	0	1.034	203	Loma Ditch (Rio Grande Canal)	
21	0.167	0.2	0.667	0	1.034	0	1.034	198	Enterprise Ditch (Rio Grande Canal)	
22	0.167	0.2	0.667	0	1.034	0	1.034	198	Enterprise Ditch (Rio Grande Canal)	
23	0.167	0.2	0.667	0	1.034	0	1.034	198 & 197	Enterprise Ditch and Biedel Ditch (Rio Grande Canal)	
24	0.167	0.2	0.667	0	1.034	0	1.034	197	Biedel Ditch-197 (Rio Grande Canal)	
25	0.167	0.2	0.667	0	1.034	0	1.034	198 & 197	Enterprise Ditch and Biedel Ditch (Rio Grande Canal)	
26	0.167	0.2	0.667	0	1.034	0	1.034	198	Enterprise Ditch-198 (Rio Grande Canal)	
27	0.167	0.2	0.667	0	1.034	0	1.034	198	Enterprise Ditch (Rio Grande Canal)	
28	0.167	0.2	0.667	0	1.034	0	1.034	198	Enterprise Ditch (Rio Grande Canal)	
29	0.167	0.2	0.667	0	1.034	0	1.034	198	Enterprise Ditch (Rio Grande Canal)	
30	0.167	0.2	0.667	0	1.034	0	1.034	197	Biedel Ditch (Rio Grande Canal)	
Totals	5.010	6.000	20.010	1.034	16.544	31.020	31.020	13.442	31.020	

Table 2: Subdistrict No. 3 depletion obligation to the Conejos River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). September 2019 depletion obligation total is 309.0 ac-ft. Total replacements/remedies total 309.0 ac-ft.

September	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	2.367	7.933	10.300	4.398	1.988	10.300	1	Manassa No. 3 (42.67%)
				3.914			1	Guadalupe (19.28%)
2	2.367	7.933	10.300	4.398	1.988	10.300	1	Romero Ditch (38.05%)
				3.914			1	Manassa No. 3 (42.67%)
3	2.367	7.933	10.300	4.398	1.988	10.300	1	Guadalupe (19.28%)
				3.914			1	Romero Ditch (38.05%)
4	2.367	7.933	10.300	4.398	1.988	10.300	1	Manassa No. 3 (42.67%)
				3.914			1	Guadalupe (19.28%)
5	2.367	7.933	10.300	4.398	1.988	10.300	1	Romero Ditch (38.05%)
				3.914			1	Manassa No. 3 (42.67%)
6	2.367	7.933	10.300	4.398	1.988	10.300	1	Guadalupe (19.28%)
				3.914			1	Romero Ditch (38.05%)
7	2.367	7.933	10.300	4.398	1.988	10.300	1	Manassa No. 3 (42.67%)
				3.914			1	Guadalupe (19.28%)
8	2.367	7.933	10.300	4.398	1.988	10.300	1	Romero Ditch (38.05%)
				3.914			1	Manassa No. 3 (42.67%)
9	2.367	7.933	10.300	4.398	1.988	10.300	1	Guadalupe (19.28%)
				3.914			1	Romero Ditch (38.05%)
10	2.367	7.933	10.300	4.398	1.988	10.300	1	Manassa No. 3 (42.67%)
				3.914			1	Guadalupe (19.28%)
11	2.367	7.933	10.300	4.398	1.988	10.300	1	Romero Ditch (38.05%)
				3.914			1	Manassa No. 3 (42.67%)
12	2.367	7.933	10.300	4.398	1.988	10.300	1	Guadalupe (19.28%)
				3.914			1	Romero Ditch (38.05%)

13	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
14	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
15	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
16	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
17	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
18	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
19	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
20	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
21	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
22	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
23	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
24	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
25	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
26	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)
27	2.367	7.933	10.300	3.914 4.398	1.988	10.300	1	Romero Ditch (38.05%) Manassa No. 3 (42.67%) Guadalupe (19.28%)

28	2.367	7.933	10.300	3.914				1	Romero Ditch (38.05%)
				4.398			10.300	1	Manassa No. 3 (42.67%)
					1.988			1	Guadalupe (19.28%)
29	2.367	7.933	10.300	3.914				1	Romero Ditch (38.05%)
				4.398			10.300	1	Manassa No. 3 (42.67%)
					1.988			1	Guadalupe (19.28%)
				3.914				1	Romero Ditch (38.05%)
30	2.367	7.933	10.300	4.398			10.300	1	Manassa No. 3 (42.67%)
					1.988			1	Guadalupe (19.28%)
				3.914				1	Romero Ditch (38.05%)
Totals	71.010	237.990	309.000	249.360	59.640		309.000	1	Romero Ditch (38.05%)

Table 3: Subdistrict No. 3 depletion obligation to the Alamosa River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). September 2019 depletion obligation total is 1.0 ac-ft. Total replacements/remedies total 1.02 ac-ft.

Alamosa River		TABLE 3				Priority No. Receiving Replacement/Remedy	Water District No. 21 Ditch Receiving Replacement/Remedy
		Total Required 2019 ARP	Replacement Sources		Total		
August	SR-1 Ac-Ft.		Forbearance SR 1 Ac-Ft.	Faucette SWSP Water SR 1 Ac-Ft.			
1	0.034	0.034	0.0	0.034	0.034	10	Capulin
2	0.034	0.034	0.0	0.034	0.034	9	Valdez
3	0.034	0.034	0.0	0.034	0.034	9	Valdez
4	0.034	0.034	0.034	0	0.034	8	Terrace Main Canal
5	0.034	0.034	0.034	0	0.034	8	Terrace Main Canal
6	0.034	0.034	0.034	0	0.034	8	Terrace Main Canal
7	0.034	0.034	0	0.034	0.034	9	Valdez Ditch
8	0.034	0.034	0	0.034	0.034	9	Valdez Ditch
9	0.034	0.034	0	0.034	0.034	9	Valdez Ditch
10	0.034	0.034	0	0.034	0.034	9	Valdez Ditch
11	0.034	0.034	0.034	0	0.034	8	Terrace Main Canal
12	0.034	0.034	0.034	0	0.034	8	Terrace Main Canal
13	0.034	0.034	0.034	0	0.034	8	Terrace Main Canal
14	0.034	0.034	0	0.034	0.034	1	El Viejo and Alamosa Creek Canal
15	0.034	0.034	0.034	0	0.034	2	Terrace Main Canal
16	0.034	0.034	0.034	0	0.034	3	Alamosa Creek Canal
17	0.034	0.034	0.034	0	0.034	8	Terrace Main Canal
18	0.034	0.034	0	0.034	0.034	9	Valdez Ditch
19	0.034	0.034	0.034	0	0.034	8	Terrace Main Canal
20	0.034	0.034	0.034	0	0.034	3	Alamosa Creek Canal
21	0.034	0.034	0.034	0	0.034	3	Alamosa Creek Canal
22	0.034	0.034	0.034	0	0.034	3	Alamosa Creek Canal
23	0.034	0.034	0	0.034	0.034	1	El Viejo and Alamosa Creek Canal
24	0.034	0.034	0.034	0	0.034	3	Alamosa Creek Canal
25	0.034	0.034	0.034	0	0.034	3	Alamosa Creek Canal
26	0.034	0.034	0	0.034	0.034	1	El Viejo and Alamosa Creek Canal
27	0.034	0.034	0	0.034	0.034	1	El Viejo and Alamosa Creek Canal
28	0.034	0.034	0.034	0	0.034	3	Alamosa Creek Canal
29	0.034	0.034	0	0.034	0.034	1	El Viejo and Alamosa Creek Canal
30	0.034	0.034	0	0.034	0.034	1	El Viejo and Alamosa Creek Canal
Totals	1.020	1.020	0.544	0.476	1.020		