



Rio Grande Water Conservation District Special Improvement District No. 3

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June 12, 2019

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

Per SWSP ID 6061, Table 1 illustrates all days during the month of May 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 13.360 ac-ft. The amount remaining in storage in Beaver Reservoir under SWSP 6062 is 186.640 ac-ft. No water stored under this SWSP in Platoro Reservoir was used for stream replacements for the month of May 2019.

Replacement Operations on the Conejos

For the month of May 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 May 2019.

Per SWSP ID 6074, Table 2 illustrates all days during the month of May 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 42.654 ac-ft. The amount remaining in the depletion bank for the remainder of the compact year under SWSP 6074 is 1810.322 ac-ft.

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 132.101 ac-ft. This water remains in storage and was not used to make replacements for the month of May 2019.

Replacement Operations on the Alamosa

For the month of May 2019, Subdistrict No. 3 used approved Forbearance Agreements in place with the Subdistrict for the majority of the depletions owed for the month. EXPO LLC augmentation credits were used 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 2019.

Per SWSP ID 6066, Table 3 illustrates all days during the month of May 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 11.298 ac-ft. The amount of EXPO LLC augmentation credits remaining in storage under this SWSP is 10.702 ac-ft.

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 began on May 1, 2019, at a rate of .211 c.f.s. a day for a total of 13.0 ac-ft. This SWSP includes a return flow and ditch loss requirement. Per this SWSP, during the month of May, 4 ac-ft. of the water right leased by the Subdistrict was left in the El Viejo Ditch to cover the ditch loss requirement and 10 ac-ft. was diverted from the ditch and measured into a recharge pit to cover the return flow requirement. The water stored during the month of May remains in storage and was not used to make replacements during the month of May 2019.

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), May 2019 depletion obligation total is 45 ac-ft. Total replacements/remedies total 45,012 ac-ft.

Rio Grande River		Replacement/Remedy Sources										Total Daily Depletion Obligation Ac-ft.	Replacement/Remedy			Priority No. Receiving Remedy	Water District No. 20 Ditch Receiving Replacement/Remedy			
		SR-1 Ac-Ft.	SR-2 Ac-Ft.	SR-3 Ac-Ft.	Forbear Empire SR 1, 2 & 3 Ac-Ft.	Forbear MVC SR 1, 2 & 3 Ac-Ft.	SD 1 SMRC Ac-Ft.	Pine River-Weminuche Pass TM SR 1, 2 & 3 Ac-Ft.	Forbear Empire SR 1, 2 & 3 Ac-Ft.	Forbear MVC SR 1, 2 & 3 Ac-Ft.	SD 1 SMRC Ac-Ft.		Pine River-Weminuche Pass TM SR 1, 2 & 3 Ac-Ft.	Total Daily Replacement/Remedy Ac-ft.	Priority No. Receiving Remedy			Water District No. 20 Ditch Receiving Replacement/Remedy		
May																				
1	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Rio Grande Canal	363B	
2	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Rio Grande Canal	338 1/2 A	
3	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Prairie Ditch	297	
4	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Costilla Ditch	293	
5	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Costilla Ditch	293	
6	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Costilla Ditch	293	
7	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Prairie Ditch	297	
8	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Farmer's Union	314	
9	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Farmer's Union, Schuch & Schmidt and Anaconda	314, 317 & 319	
10	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Rio Grande Canal	312 A	
11	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Prairie Ditch	297	
12	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Prairie Ditch	297	
13	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Farmer's Union	314	
14	0.194	0.258	1.000	1.452	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Empire	361A	
15	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	San Luis Valley Canal	1903-22B	
16	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Prairie Ditch	1903-34E	
17	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Farmer's Union	1903-30F	
18	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Rio Grande Canal	1903-30C	
19	0.194	0.258	1.000	1.452	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	San Luis Valley Canal	1903-22B	
20	0.194	0.258	1.000	1.452	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Empire-361B	361B	
21	0.194	0.258	1.000	0	1.452	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Monte Vista Canal-358	358	
22	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Farmer's Union-314	314	
23	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Costilla Ditch-293	293	
24	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	San Luis Valley Canal-270	270	
25	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Excelsior and West Side	259 & 262	
26	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	San Luis Valley Canal	270	
27	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	San Luis Valley Canal	270	
28	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Rio Grande No. 1 and West Side	280 & 285	
29	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Costilla Ditch	293	
30	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Prairie Ditch	297	
31	0.194	0.258	1.000	0	0	0	0	0	0	1.452	0	0	0	0	1.452	0	1.452	Rio Grande Canal	338.5 A	
Totals	6.014	7.998	31.000	2.904	1.452	29.040	11.616	45.012	45.012	45.012	29.040	11.616	45.012	45.012	338.5 A	45.012				

Table 2: Subdistrict No. 3 depletion obligation to the Conejos River per Table 2.3 of the approved 2019 Annual Replacement Plan (ARP). May 2019 depletion obligation total is 205 ac-ft. Total replacements/remedies total 205,003 ac-ft.

		Replacement Sources										Total Daily Replacement/Remedy Ac-ft.		Priority No. Receiving Replacement/Remedy	Water District No. 22 Ditch Receiving Replacement/Remedy							
Conejos River		Total Daily Depletion Obligation Ac-ft.		Forbear Alamo Ditch SR 1 & 2		Forbear Ball Bros. No. 1 Ditch SR 1 & 2		Forbear Ephraim 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.		
May	SR-1 Ac-Ft.	SR-2 Ac-Ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.
1	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Northeastern
2	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Northeastern
3	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Northeastern
4	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Northeastern
5	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Northeastern
6	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Northeastern
7	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Los Ojos #1
8	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Ephraim
9	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Ephraim
10	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Ephraim
11	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Northeastern
12	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Alamo
13	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	East Bend
14	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	East Bend
15	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Sanford
16	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Ball Brothers No. 1
17	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Heads Mill
18	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Bagwell
19	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Sanford
20	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Mogote
21	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Mogote
22	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Alamo
23	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Ball Brothers No. 1
24	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Richfield
25	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Manassa
26	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Manassa
27	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Manassa
28	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Manassa
29	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Manassa
30	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Manassa
31	2,097	4,516	6,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,613	Martinez and Lopez
Totals		65,007	139,996	205,003	13,226	13,226	26,452	13,226	39,678	39,678	6,613	13,226	6,613	13,226	39,678	6,613	13,226	39,678	6,613	205,003	205,003	

Table 3: Subdistrict No. 3 depletion obligation to the Alamosa River per Table 2.3 of the approved 2019 Annual Replacmeent Plan (ARP). May 2019 depletion obligation total is 25 ac-ft. Total replacements/remedies total 25.017 ac-ft.

Alamosa River		Replacement Sources							Total Required 2019 ARP	Replacement Sources			Priority No. Receiving Replacement/Remedy	Water District No. 21 Ditch Receiving Replacement/Remedy
		SR-1 Ac-Ft.	Forbear Flintham Ditch SR 1	Forbear Lowland Overflow SR 1	Forbear North Alamosa Ditch SR 1	Forbear Scandinavian Ditch SR 1	Forbear Augmentation Water SR 1 Ac-Ft.	Total		Forbear Flintham Ditch SR 1	Forbear Lowland Overflow SR 1	Forbear North Alamosa Ditch SR 1		
1	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	71	Lowland Overflow North Ditch	
2	0.807	0.807	0.807	0	0	0	0	0	0	0	0.807	69	Flintham Ditch	
3	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	57	Lowland Overflow South Ditch	
4	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	57	Lowland Overflow South Ditch	
5	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	57	Lowland Overflow South Ditch	
6	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	57	Lowland Overflow South Ditch	
7	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	41	Alamosa Spring Creek Ditch	
8	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	44	Cottonwood Ditch	
9	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	60	Head Overflow No. 5	
10	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	68	Norland Ditch	
11	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	60	Head Overflow No. 5	
12	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	57	Lowland Overflow South Ditch	
13	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	57	Lowland Overflow South Ditch	
14	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	71B	Head Overflow No. 5	
15	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	71	Lowland Overflow North Ditch	
16	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	71	Lowland Overflow North Ditch	
17	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	74	Weist Ditch	
18	0.807	0.807	0	0	0	0	0	0.807	0	0	0.807	84	Scandinavian Ditch	
19	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	71	Lowland Overflow North Ditch	
20	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	68	Norland Ditch	
21	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	60	Head Overflow No. 5	
22	0.807	0.807	0	0.807	0	0.807	0	0	0	0	0.807	40	North Alamosa Ditch	
23	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	36	Arroya Ditch	
24	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	27	Head Overflow No. 5	
25	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	27	Head Overflow No. 5	
26	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	38	Union Ditch	
27	0.807	0.807	0	0	0	0.807	0	0	0	0	0.807	40	North Alamosa Ditch	
28	0.807	0.807	0	0	0	0.807	0	0	0	0	0.807	40	North Alamosa Ditch	
29	0.807	0.807	0	0	0	0.807	0	0	0	0	0.807	40	North Alamosa Ditch	
30	0.807	0.807	0	0	0	0	0	0	0.807	0.807	0.807	41	Alamosa Spring Creek	
31	0.807	0.807	0	0.807	0	0	0	0	0	0	0.807	57	Lowland Overflow South Ditch	
Totals	25.017	25.017	0.807	8.877	3.228	0.807	11.298	0.807	25.017	25.017	25.017			