

**COLORADO GROUNDWATER COMMISSION
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR REPLACEMENT PLAN TO ALLOW THE WITHDRAWAL OF GROUNDWATER FROM THE DENVER AQUIFER IN THE UPPER BLACK SQUIRREL CREEK DESIGNATED GROUNDWATER BASIN.

REPLACEMENT PLAN - DETERMINATION OF WATER RIGHT NO. 3542-BD

AQUIFER: DENVER

APPLICANT: HOME RUN RESTORATIONS, INC.

In compliance with section 37-90-107.5, C.R.S. and the Designated Basin Rules, 2 CCR 410-1 ("Rules" or "Rule"), Home Run Restorations, Inc. ("Applicant") submitted an application for a replacement plan to allow the withdrawal of groundwater from the Denver Aquifer that has been allocated by Determination of Water Right No. 3542-BD.

FINDINGS

1. Pursuant to section 37-90-107(7), in a Findings and Order dated July 2, 2018, the Groundwater Commission ("Commission") approved a Determination of a Right to an Allocation of Groundwater, No. 3542-BD, from the Denver Aquifer ("Aquifer"), summarized as follows.
 - a. The determination quantified an amount of water from beneath 40 acres of overlying land generally described as the SE 1/4 of the NE 1/4, section 33, Township 13 South, Range 64 West, Sixth P.M., in El Paso County.
 - b. The amount of water in the aquifer that was allocated was 816 acre-feet.
 - c. The allowed average annual amount of groundwater to be withdrawn from the aquifer was limited to 8.16 acre-feet per year.
 - d. The use of groundwater is limited to the following beneficial uses: residential, lawn and garden irrigation, the watering of domestic animals, and replacement. The place of use is limited to the above described 40 acres of overlying land.
 - e. In accordance with Rule 5.3.6 the withdrawal of the subject groundwater will, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal, the groundwater is considered to be not-nontributary, and Commission approval of a replacement plan providing for actual depletion of affected alluvial aquifers and adequate to prevent any material injury to existing water rights in such alluvial aquifers is required prior to approval of well permits for wells to withdraw the subject groundwater.
2. The subject water is Designated Groundwater located within the boundaries of the Upper Black Squirrel Creek Designated Groundwater Basin and the Upper Black Squirrel Creek Groundwater Management District. The Commission has jurisdiction over the withdrawal of the water by large capacity wells that are permitted pursuant to section 37-90-107(7).
3. Withdrawal of the subject groundwater would deplete the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin, which, according to Rule 5.2.6.2, has been determined to be over appropriated. Such depletion would unreasonably impair existing

Aquifer: Denver

Applicant: Home Run Restorations, Inc.

large capacity alluvial rights withdrawing water from that alluvial aquifer.

4. Pursuant to Rule 5.6.1.A this plan must be adequate to prevent any material injury to water rights of other appropriators, which for purposes of this plan means large capacity wells withdrawing water from the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin.
5. Pursuant to Rule 5.3.6.2(C) the amount of replacement water shall provide for the depletion of alluvial water for the first 100 years due to all previous pumping and if pumping continues beyond 100 years, shall replace actual impact until pumping ceases.
6. The application for the replacement plan was received by the Commission on August 20, 2019.
7. The Applicant proposes to divert 1.82 acre-feet annually from the Denver Aquifer for a period of 300 years. The Denver aquifer water will be withdrawn through on lot wells to be located on four residential lots. Each Denver Aquifer well is proposed to divert 0.455 acre-feet of water annually for use in one single family residence, irrigation of lawn, garden, and trees, and watering of domestic animals.
8. At a continuous withdrawal of 1.82 acre-feet annually for 300 years, depletions to the alluvial aquifer system of the Upper Black Squirrel Creek Designated Groundwater Basin would steadily increase to 0.866 acre-feet per year in the 300th year, which is equal to 47.6% of pumping, as shown in Exhibit A.
9. The Applicant proposes to provide 0.9 acre-feet per year of replacement water to the alluvial aquifer system of the Upper Black Squirrel Creek Designated Groundwater Basin. The proposed source of replacement water is septic and leaching field return flows from the in-house use of the groundwater to be pumped under the plan. The Applicant estimates that return flows from each lot will consist of 90% of the water used for in-house purposes. Assuming each lot uses a total annual amount for in-house use of 0.25 acre-feet (the estimated amount acceptable to the Commission), the return flow per lot would be 0.225 acre-feet annually, and the return flows under the plan will total 0.9 acre-feet per year for all four lots at full build out.
10. The subject property is located within the drainage of Black Squirrel Creek, and the return flows will flow to the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin. The Applicant proposes to aggregate all replacements to the drainage in which the well or wells will operate, in accordance with Guideline 2007-1.
11. Pursuant to Rule 5.6.1.B this plan must be adequate to prevent unreasonable impairment of water quality. Pursuant to Rule 5.6.1.B.1.b, if the replacement source water is from an onsite wastewater treatment system permitted by a local health agency and the applicant demonstrates the source is in compliance with that permit there shall be a rebuttable presumption of no unreasonable impairment of water quality.
12. Pursuant to Rule 5.6.1.C this plan, including the proposed uses of the water withdrawn pursuant to the plan, must not be speculative, and must be technically and financially feasible and within the Applicant's ability to complete. The plan, including the proposed uses of the water withdrawn pursuant to the plan, is not speculative. The plan appears technically and financially feasible and within the Applicant's ability to complete.
13. Pursuant to Rule 5.6.1.D this plan must be able to be operated and administered on an ongoing and reliable basis. The plan appears to be able to be operated and administered on an ongoing and reliable basis.

14. Pursuant to Rule 5.6.1.F replacement source water must be physically and legally available in time, place and amount to prevent material injury. As determined in Determination of Water Right No. 3542-BD water is currently available in the amounts and for the number of years proposed to be diverted.
15. Pursuant to Rule 5.6.1.G the replacement source water must be legally available for use. Records in this office indicate that the Applicant controls the water right to be used as the source of replacement water, consisting of Determination of Water Right No. 3542-BD, and such water is legally available for use pursuant to this plan.
16. In accordance with Rule 5.6.4 the application was referred to the Upper Black Squirrel Creek Groundwater Management District on May 14, 2020. Written recommendations from the District were received on June 19, 2020.
17. In accordance with sections 37-90-107.5 and 37-90-112, the application was published in the Ranchland News newspaper on May 21, 2020 and May 28, 2020. No objections to the application were received within the time limit set by statute.
18. According to Rule 5.6.1:
 - a. The Applicant has the burden of proving the adequacy of the plan in all respects.
 - b. If the applicant meets its burden of proof, the Commission shall grant approval of the plan which shall include any terms and conditions established the Commission.
19. The Commission Staff has evaluated the application pursuant to section 37-90-107.5, and the requirements of Rule 5.3.6.2(C) and Rule 5.6, finds that the requirements have been meet, and the plan may be approved to allow diversions from the Denver Aquifer if operated subject to the conditions given below.

ORDER

In accordance with section 37-90-107.5, and the Designated Basin Rules, the Colorado Groundwater Commission orders that the application for a replacement plan to allow the withdrawal of groundwater from the Denver Aquifer underlying 40 acres that are the subject of Determination of Water Right no. 3542-BD is approved subject to the following conditions:

20. The Denver Aquifer water will be withdrawn through four on lot wells to be located on four residential lots. The allowed use of groundwater for each well under this plan is use in one single family residence; irrigation of lawn, garden, and trees; and watering of large domestic animals.
21. The allowed annual amount of groundwater to be withdrawn from the aquifer by all wells operating under this plan shall not exceed 1.82 acre-feet. The allowed annual amount of water to be withdrawn from each on-lot well shall not exceed 0.455 acre-feet.
22. A totalizing flow meter shall be installed on each well. The well owners shall maintain the meters in good working order.
23. Permanent records of all withdrawals of groundwater from each well shall be recorded at least annually by the well owners, permanently maintained, and provided to the Commission and the Upper Black Squirrel Creek Groundwater Management District upon request.
24. Pumping under this plan is limited to a period of 300 years. The year of first use of this replacement plan shall be the calendar year of construction of a well permitted pursuant to

this plan or permitting of an existing well pursuant to the plan.

25. Return flows from in-house use of groundwater shall occur through individual on-lot non-evaporative septic systems located within the 40 acres of overlying land that are the subject of Determination of Water Right No. 3542-BD. The septic systems must be constructed and operated in compliance with a permit issued by a local health agency.
26. Replacement of depletions must be provided annually in the acre-feet amounts shown in Exhibit A. Annual replacement requirements may be computed by pro-rating between the values given on Exhibit A, or for simplicity may be taken as the amount shown in the next succeeding 5 year increment.
27. The Applicant or their successor(s) are responsible for ensuring that replacement water is provided to the alluvial aquifer as required by this plan. The annual replacement requirement and the annual amount of replacement water provided shall be calculated and reported on a form acceptable to the Commission. The annual amount of replacement water provided must be no less than the annual replacement requirement on a yearly basis. No credit shall be claimed by the Applicant for an oversupply of replacement water provided to the alluvium during previous years.
28. The Applicant must provide the required annual amount of replacement water for the first 100 years, or for as long as a well is operated pursuant to this plan, whichever is longer.
29. To assure adequate return flows, the number of wells serving an occupied single-family dwelling that is generating return flows via a non-evaporative septic system must be equal to or greater than the number of wells shown in Table 1 below, or an amended or alternate replacement plan must be obtained that will replace actual depletions to the alluvial aquifer so as to prevent any material injury to water rights of other appropriators.

Table 1

Year	No. of Wells	Return Flow (af/yr)
1 - 54	1	0.225
55- 103	2	0.450
104- 180	3	0.675
181 - 300	4	0.900

30. The Applicant (and their successors) must gather and maintain permanent records of all information pertaining to operation of this plan, which shall include, but is not be limited to, those items identified below. The Applicant must submit records to the Commission and the Upper Black Squirrel Creek Groundwater Management District on forms acceptable to the Commission, on an annual basis for the previous calendar year, by February 15th of the following year.
 - a. Identification of all well permits issued and wells constructed under this plan.
 - b. The amount of water diverted by each well and all wells in total, both annually and cumulatively since operation of the plan began.
 - c. The number of occupied dwellings served by each well.
 - d. The return flows occurring from use of all wells operating under the plan, assuming 0.225 acre-feet per year per occupied single family dwelling (90% of the water used for in-house purposes) enters the alluvial aquifer as replacement water.

Aquifer: Denver

Applicant: Home Run Restorations, Inc.

- e. Any other information the Commission deems relevant and necessary to operation, monitoring, accounting, or administration of the plan.
- 31. The Applicant (and their successors) are fully responsible for the operation, monitoring, and accounting of the replacement plan. In the event a lot with a well permitted or operating pursuant to this plan is sold, identification of the well that was sold and evidence that the new owner has been notified of their responsibilities under the replacement plan shall accompany that year's accounting.
- 32. Any covenants adopted for this subdivision should contain a description of the replacement plan, including the limitations on diversions and use of water for each well and lot, the requirement to meter and record all well pumping, and information on how records are to be reported and the plan is to be administered.
- 33. In the event the permitted well or wells are not operated in accordance with the conditions of this replacement plan, they shall be subject to administration, including orders to cease diverting groundwater.
- 34. All terms and conditions of Determination of Water Right No. 3542-BD must be met.
- 35. Pursuant to Rule 5.6.1.E, a copy of this Findings and Order shall be recorded by the Applicant in the clerk and recorder's records of El Paso County, so that a title examination of the land on which the structures involved in this plan are located reveals the existence of this plan.

Dated this 2nd day of July, 2020.



Kevin G. Rein, P.E.
Executive Director
Colorado Groundwater Commission

By: 

Keith Vander Horst, P.E.
Chief of Water Supply, Basins

Exhibit A
Replacement Plan - Determination No.: 3542-BD
Page 1 of 4

Designated Basin Summary Table for Home Run Restorations, Inc.							
Pumping Rate of 1.82 acre-feet per year for 300 Years from the Denver aquifer							
Section(s): Section 33,T13S, R64W, 6th P.M.							
Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
1	1.8	0.000	0.0	151	1.8	0.604	33.2
2	1.8	0.001	0.0	152	1.8	0.607	33.3
3	1.8	0.002	0.1	153	1.8	0.609	33.5
4	1.8	0.003	0.1	154	1.8	0.612	33.6
5	1.8	0.004	0.2	155	1.8	0.615	33.8
6	1.8	0.006	0.3	156	1.8	0.617	33.9
7	1.8	0.007	0.4	157	1.8	0.620	34.1
8	1.8	0.009	0.5	158	1.8	0.622	34.2
9	1.8	0.012	0.6	159	1.8	0.625	34.3
10	1.8	0.014	0.8	160	1.8	0.627	34.5
11	1.8	0.017	0.9	161	1.8	0.630	34.6
12	1.8	0.020	1.1	162	1.8	0.632	34.7
13	1.8	0.023	1.2	163	1.8	0.635	34.9
14	1.8	0.026	1.4	164	1.8	0.637	35.0
15	1.8	0.029	1.6	165	1.8	0.639	35.1
16	1.8	0.033	1.8	166	1.8	0.642	35.3
17	1.8	0.036	2.0	167	1.8	0.644	35.4
18	1.8	0.040	2.2	168	1.8	0.647	35.5
19	1.8	0.044	2.4	169	1.8	0.649	35.7
20	1.8	0.048	2.6	170	1.8	0.651	35.8
21	1.8	0.052	2.9	171	1.8	0.654	35.9
22	1.8	0.057	3.1	172	1.8	0.656	36.0
23	1.8	0.061	3.3	173	1.8	0.658	36.2
24	1.8	0.065	3.6	174	1.8	0.661	36.3
25	1.8	0.070	3.8	175	1.8	0.663	36.4
26	1.8	0.075	4.1	176	1.8	0.665	36.5
27	1.8	0.079	4.4	177	1.8	0.667	36.7
28	1.8	0.084	4.6	178	1.8	0.669	36.8
29	1.8	0.089	4.9	179	1.8	0.672	36.9
30	1.8	0.094	5.2	180	1.8	0.674	37.0
31	1.8	0.099	5.5	181	1.8	0.676	37.1
32	1.8	0.104	5.7	182	1.8	0.678	37.3
33	1.8	0.109	6.0	183	1.8	0.680	37.4
34	1.8	0.115	6.3	184	1.8	0.683	37.5
35	1.8	0.120	6.6	185	1.8	0.685	37.6
36	1.8	0.125	6.9	186	1.8	0.687	37.7
37	1.8	0.130	7.2	187	1.8	0.689	37.9
38	1.8	0.136	7.5	188	1.8	0.691	38.0
39	1.8	0.141	7.8	189	1.8	0.693	38.1

Exhibit A
Replacement Plan - Determination No.: 3542-BD
Page 2 of 4

Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
40	1.8	0.146	8.0	190	1.8	0.695	38.2
41	1.8	0.152	8.3	191	1.8	0.697	38.3
42	1.8	0.157	8.6	192	1.8	0.699	38.4
43	1.8	0.163	8.9	193	1.8	0.701	38.5
44	1.8	0.168	9.2	194	1.8	0.703	38.6
45	1.8	0.174	9.5	195	1.8	0.705	38.8
46	1.8	0.179	9.8	196	1.8	0.707	38.9
47	1.8	0.184	10.1	197	1.8	0.709	39.0
48	1.8	0.190	10.4	198	1.8	0.711	39.1
49	1.8	0.195	10.7	199	1.8	0.713	39.2
50	1.8	0.201	11.0	200	1.8	0.715	39.3
51	1.8	0.206	11.3	201	1.8	0.717	39.4
52	1.8	0.211	11.6	202	1.8	0.719	39.5
53	1.8	0.217	11.9	203	1.8	0.721	39.6
54	1.8	0.222	12.2	204	1.8	0.723	39.7
55	1.8	0.227	12.5	205	1.8	0.724	39.8
56	1.8	0.233	12.8	206	1.8	0.727	39.9
57	1.8	0.238	13.1	207	1.8	0.728	40.0
58	1.8	0.243	13.4	208	1.8	0.730	40.1
59	1.8	0.249	13.7	209	1.8	0.732	40.2
60	1.8	0.254	13.9	210	1.8	0.734	40.3
61	1.8	0.259	14.2	211	1.8	0.735	40.4
62	1.8	0.264	14.5	212	1.8	0.738	40.5
63	1.8	0.269	14.8	213	1.8	0.739	40.6
64	1.8	0.275	15.1	214	1.8	0.741	40.7
65	1.8	0.280	15.4	215	1.8	0.743	40.8
66	1.8	0.285	15.6	216	1.8	0.745	40.9
67	1.8	0.290	15.9	217	1.8	0.746	41.0
68	1.8	0.295	16.2	218	1.8	0.748	41.1
69	1.8	0.300	16.5	219	1.8	0.750	41.2
70	1.8	0.305	16.7	220	1.8	0.751	41.3
71	1.8	0.310	17.0	221	1.8	0.753	41.4
72	1.8	0.315	17.3	222	1.8	0.755	41.5
73	1.8	0.319	17.6	223	1.8	0.756	41.6
74	1.8	0.324	17.8	224	1.8	0.759	41.7
75	1.8	0.329	18.1	225	1.8	0.760	41.8
76	1.8	0.334	18.3	226	1.8	0.761	41.8
77	1.8	0.339	18.6	227	1.8	0.764	42.0
78	1.8	0.343	18.9	228	1.8	0.765	42.0
79	1.8	0.348	19.1	229	1.8	0.766	42.1
80	1.8	0.353	19.4	230	1.8	0.769	42.2
81	1.8	0.357	19.6	231	1.8	0.770	42.3
82	1.8	0.362	19.9	232	1.8	0.772	42.4

Exhibit A
Replacement Plan - Determination No.: 3542-BD
Page 3 of 4

Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
83	1.8	0.366	20.1	233	1.8	0.773	42.5
84	1.8	0.371	20.4	234	1.8	0.775	42.6
85	1.8	0.375	20.6	235	1.8	0.777	42.7
86	1.8	0.380	20.9	236	1.8	0.778	42.8
87	1.8	0.384	21.1	237	1.8	0.780	42.8
88	1.8	0.389	21.3	238	1.8	0.781	42.9
89	1.8	0.393	21.6	239	1.8	0.782	43.0
90	1.8	0.397	21.8	240	1.8	0.785	43.1
91	1.8	0.401	22.1	241	1.8	0.786	43.2
92	1.8	0.406	22.3	242	1.8	0.787	43.3
93	1.8	0.410	22.5	243	1.8	0.789	43.4
94	1.8	0.414	22.8	244	1.8	0.790	43.4
95	1.8	0.418	23.0	245	1.8	0.792	43.5
96	1.8	0.422	23.2	246	1.8	0.793	43.6
97	1.8	0.426	23.4	247	1.8	0.795	43.7
98	1.8	0.430	23.7	248	1.8	0.796	43.8
99	1.8	0.434	23.9	249	1.8	0.798	43.9
100	1.8	0.438	24.1	250	1.8	0.800	43.9
101	1.8	0.442	24.3	251	1.8	0.801	44.0
102	1.8	0.446	24.5	252	1.8	0.803	44.1
103	1.8	0.450	24.7	253	1.8	0.804	44.2
104	1.8	0.454	24.9	254	1.8	0.806	44.3
105	1.8	0.458	25.2	255	1.8	0.807	44.3
106	1.8	0.461	25.4	256	1.8	0.809	44.4
107	1.8	0.465	25.6	257	1.8	0.810	44.5
108	1.8	0.469	25.8	258	1.8	0.811	44.6
109	1.8	0.473	26.0	259	1.8	0.813	44.7
110	1.8	0.476	26.2	260	1.8	0.814	44.7
111	1.8	0.480	26.4	261	1.8	0.816	44.8
112	1.8	0.484	26.6	262	1.8	0.816	44.9
113	1.8	0.487	26.8	263	1.8	0.818	44.9
114	1.8	0.491	27.0	264	1.8	0.819	45.0
115	1.8	0.494	27.2	265	1.8	0.821	45.1
116	1.8	0.498	27.3	266	1.8	0.822	45.2
117	1.8	0.501	27.5	267	1.8	0.824	45.3
118	1.8	0.505	27.7	268	1.8	0.825	45.3
119	1.8	0.508	27.9	269	1.8	0.827	45.4
120	1.8	0.511	28.1	270	1.8	0.828	45.5
121	1.8	0.515	28.3	271	1.8	0.829	45.5
122	1.8	0.518	28.5	272	1.8	0.830	45.6
123	1.8	0.521	28.6	273	1.8	0.832	45.7
124	1.8	0.525	28.8	274	1.8	0.833	45.8
125	1.8	0.528	29.0	275	1.8	0.835	45.9

Exhibit A
Replacement Plan - Determination No.: 3542-BD
Page 4 of 4

Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)	Year	Pumping (Q) (AF/YR)	Annual Depletion (q) (AF/YR)	Depletion as a % of Pumping (q/Q)
126	1.8	0.531	29.2	276	1.8	0.836	45.9
127	1.8	0.534	29.4	277	1.8	0.837	46.0
128	1.8	0.537	29.5	278	1.8	0.838	46.1
129	1.8	0.541	29.7	279	1.8	0.840	46.1
130	1.8	0.544	29.9	280	1.8	0.841	46.2
131	1.8	0.547	30.0	281	1.8	0.843	46.3
132	1.8	0.550	30.2	282	1.8	0.843	46.3
133	1.8	0.553	30.4	283	1.8	0.845	46.4
134	1.8	0.556	30.5	284	1.8	0.846	46.5
135	1.8	0.559	30.7	285	1.8	0.848	46.6
136	1.8	0.562	30.9	286	1.8	0.848	46.6
137	1.8	0.565	31.0	287	1.8	0.850	46.7
138	1.8	0.568	31.2	288	1.8	0.851	46.8
139	1.8	0.571	31.4	289	1.8	0.853	46.9
140	1.8	0.574	31.5	290	1.8	0.853	46.9
141	1.8	0.577	31.7	291	1.8	0.855	47.0
142	1.8	0.579	31.8	292	1.8	0.856	47.1
143	1.8	0.582	32.0	293	1.8	0.857	47.1
144	1.8	0.585	32.1	294	1.8	0.858	47.2
145	1.8	0.588	32.3	295	1.8	0.860	47.3
146	1.8	0.591	32.4	296	1.8	0.861	47.3
147	1.8	0.593	32.6	297	1.8	0.862	47.4
148	1.8	0.596	32.8	298	1.8	0.864	47.5
149	1.8	0.599	32.9	299	1.8	0.864	47.5
150	1.8	0.601	33.0	300	1.8	0.866	47.6

Created by Wenli Dickinson on March 03, 2020

Values for 'Depletion as a % of Pumping' (q/Q) are not calculated when the pumping rate (Q) is changed to anything but zero

Replacement Plan Accounting Reporting Form

Determination of Water Right Number: 3542-BD

Aquifer from which wells produce water: Denver

Submit to: Colorado Ground Water Commission, 1313 Sherman St., Room 821, Denver, CO 80203

Person responsible for gathering and submitting data (required)

Name: _____

Email address: _____

Mailing Address: _____

Telephone: _____

Calendar year being reported ¹: _____

Calendar year operation of the plan was initiated ²: _____

Year number of operation of the plan ³: _____

Annual replacement water requirement (acre-feet/year) ⁴: _____

Well Permit no. ⁵	Address of property served by this well ⁶	Meter Reading at beginning of year ⁷	Meter Reading at end of year ⁸	Metered pumping this year ⁹	Meter's Units ¹⁰	Date of Meter reading at end of year ¹¹	Metered pumping this year ¹² (acre-feet)	Pumping of this well since initiation of operation of the plan ¹³ (acre-feet)

Well Permit no. ⁵	Address of property served by this well ⁶	Number of Occupied Single Family Dwellings ¹⁴	Amount of Irrigated Land ¹⁵ (ft ²)	Number of Large Domestic Animals ¹⁶	Estimated Return Flow ¹⁷ (acre-feet)

Conversion rates:

1 acre-foot equals 325,851 gallons

1 acre-foot equals 43,560 cubic feet

See reverse side for notes.

Notes:

- 1) Calendar year for which this report is being submitted.
- 2) The calendar year when the first well permitted pursuant to this plan was constructed, or when the first permit for an existing well was issued pursuant to the plan. Once the plan has been initiated this year will not change.
- 3) The number of years after initiation of operation of the plan. The year of initiation is year number 1.
- 4) Equal to "Annual Depletion" on Exhibit A of the Replacement Plan.
- 5) The well permit number of the well being operated pursuant to the plan.
- 6) The address of the property served by the well.
- 7) The reading on the meter at the beginning of the year. Equal to reading on the meter at end of year on last year's reporting form. For the first year of operation of a well this is the meter reading prior to pumping under the plan.
- 8) Reading on the meter at the end of the year.
- 9) The amount of water pumped by the well this year. Equal to the reading on the meter at the end of this year minus reading on the meter at the beginning of the year. If a new meter was installed during the year, explain that fact and report the sum of the readings of the old and new meters over the year.
- 10) Units of measurement shown on the meter.
- 11) Date that the meter was read this year. This should be on December 31st or as close to that date as possible.
- 12) The amount pumped this year, reported in acre-feet.
- 13) The cumulative amount of water pumped by this well (and all previous wells serving this address) since initiation of operation of the plan. Equal to "Pumping of this well since initiation of operation of the plan" on last year's reporting form plus "Pumping of this well this year" on this year's reporting form.
- 14) The number of occupied single family dwellings supplied by the well.
- 15) The amount of irrigated land supplied by the well.
- 16) The number of large domestic animals supplied by the well.
- 17) Return flow consists of water recharged into the alluvial aquifer by way of non-evaporative septic and leaching field system discharges, which are estimated as 0.25 acre-feet per year (90 percent of the amount of water supplied to in-house uses by each well supplying an occupied dwelling). Refer to the Findings and Orders of the approved replacement plan.