



State of Idaho

DEPARTMENT OF WATER RESOURCES

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DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

June 1, 2001

SOUTHWEST IRRIGATION DISTRICT
PO BOX 668
BURLEY ID 83318-0668

RE: Permit No. 45-07567 – Big Cottonwood Creek for Ground Water Recharge

Gentlemen:

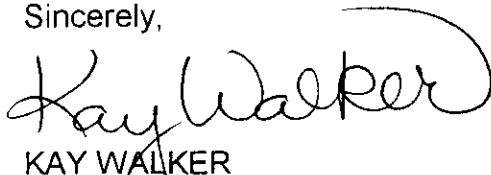
We are in the process of reviewing the above referenced permit for licensing purposes and find we need additional information concerning the ditch that conveys your ground water to the injection wells. I have attempted to contact Toby on the telephone (at 208-432-5400) but have not been able to talk with him.

We are proposing to include some conveyance losses for this permit and need to know the depth and width of the ditches that are used to convey the water. We also need to know the type of soil that the ditches are made up of, if that information is available.

I have included a copy of the map that our examiner completed, while doing his field examination, so you could identify the ditches I am requesting information on. Please submit any information you have, regarding these ditches, within the next thirty (30) days so we can proceed with the licensing of this permit. If we don't hear from you within this time period we will assume you are not interested in conveyance losses for this right and proceed with licensing the permit without conveyance loss.

If you have any questions regarding this matter, please do not hesitate to contact me at 208-327-7944.

Sincerely,



KAY WALKER
Sr. Water Resource Agent

KW:k
Enclosure

Table 4. Mean daily rates of injection for gaging station 13088512, Cottonwood Creek injection site 1 near Oakley, 13S-21E-8CDC1, January 1993 through June 1997—Continued

Day	January 1997–June 1997					
	Jan	Feb	Mar	Apr	May	June
1	—	—	.00	7.4	14	.01
2	—	—	.00	7.2	14	.03
3	—	—	.00	5.8	13	.00
4	—	—	.00	5.8	13	.00
5	—	—	.00	6.4	14	.00
6	—	—	.00	6.1	15	.02
7	—	—	.00	5.7	15	.00
8	—	—	.00	5.3	15	.00
9	—	—	.00	4.2	14	.00
10	—	—	.00	3.0	16	.00
11	—	—	.00	.49	16	.00
12	—	—	.00	.00	15	.00
13	—	—	.00	.00	14	.00
14	—	—	.71	.00	14	.00
15	—	—	2.0	.00	13	.00
16	—	—	3.3	.00	12	.00
17	—	—	4.5	.15	13	.00
18	—	—	5.4	.00	12	.00
19	—	—	5.5	.00	11	.00
20	—	—	5.8	.00	10	.00
21	—	—	6.5	2.2	10	.00
22	—	—	7.9	7.2	8.6	.00
23	—	—	8.4	11	7.9	.00
24	—	—	8.5	13	8.1	.00
25	—	—	7.5	13	8.0	.00
26	—	—	3.2	13	7.0	.00
27	—	—	1.3	14	2.5	.00
28	—	—	1.9	14	.00	.00
29	—	—	.49	14	.04	.00
30	—	—	.00	14	.06	.00
31	—	—	3.0	—	.03	—
TOTAL	—	—	75.90	172.94	325.23	0.06
MEAN	—	—	2.45	5.76	10.5	.002
MAX	—	—	8.5	14	16	.03
MIN	—	—	.00	.00	.00	.00
AC-FT	—	—	151	343	645	.1
CAL YR 1997 to date:	TOTAL 574.13 MAX 16 MIN .00 AC-FT 1140					

Table 4. Mean daily rates of injection for gaging station 13088512, Cottonwood Creek injection site 1 near Oatman, 1997—Continued

Day	1996											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	—	.00	.00	e7.9	e6.4	.00	—	—	—	—	—	—
2	—	.00	.00	e8.4	e5.6	.00	—	—	—	—	—	—
3	—	.00	.00	e10.6	e6.6	.00	—	—	—	—	—	—
4	—	.00	.00	e12.3	e6.4	.00	—	—	—	—	—	—
5	—	.00	.00	e13.1	e5.8	.00	—	—	—	—	—	—
6	—	.00	.00	e13.3	e7.1	.00	—	—	—	—	—	—
7	—	.00	.00	e13.3	e6.6	.00	—	—	—	—	—	—
8	—	.00	.00	e13.3	2.7	.00	—	—	—	—	—	—
9	—	.00	.86	e10.6	.00	.00	—	—	—	—	—	—
10	—	.00	2.8	e12.7	.00	.00	—	—	—	—	—	—
11	—	.00	e3.8	e13.3	.00	.00	—	—	—	—	—	—
12	—	.00	5.3	e12.1	.00	.00	—	—	—	—	—	—
13	—	.00	6.4	e10.9	.00	.00	—	—	—	—	—	—
14	—	.00	e6.4	e10.2	.00	.00	—	—	—	—	—	—
15	—	.00	e6.1	e8.9	.00	.00	—	—	—	—	—	—
16	—	.00	e8.4	e9.5	.04	.00	—	—	—	—	—	—
17	—	.00	8.8	e9.6	e5.8	.00	—	—	—	—	—	—
18	—	.00	e6.6	e6.3	e9.8	.00	—	—	—	—	—	—
19	—	.00	e6.3	e5.8	e10.4	.00	—	—	—	—	—	—
20	—	.00	e4.5	e6.7	e10.4	.00	—	—	—	—	—	—
21	—	.00	e4.9	e6.3	e11.1	.00	—	—	—	—	—	—
22	—	.00	e6.1	2.0	e9.8	.00	—	—	—	—	—	—
23	.00	.00	e6.4	.00	e10.7	.00	—	—	—	—	—	—
24	.00	.00	e7.7	.00	e9.6	.00	—	—	—	—	—	—
25	.00	.00	e6.1	2.6	e9.6	.00	—	—	—	—	—	—
26	.00	.00	e3.7	7.2	e8.9	.00	—	—	—	—	—	—
27	.00	.00	e5.3	e11.5	e9.5	.00	—	—	—	—	—	—
28	.00	.00	e6.7	e8.6	e10.6	.00	—	—	—	—	—	—
29	.00	.00	e6.7	e7.1	e9.5	.00	—	—	—	—	—	—
30	.00	—	e7.4	e4.6	e5.3	.00	—	—	—	—	—	—
31	.00	—	e7.1	—	3.0	—	—	—	—	—	—	—
TOTAL	0.00	0.00	134.36	258.70	181.24	0.00	—	—	—	—	—	—
MEAN	.000	.000	4.33	8.62	5.85	.000	—	—	—	—	—	—
MAX	.00	.00	8.8	13	11	.00	—	—	—	—	—	—
MIN	.00	.00	.00	.00	.00	.00	—	—	—	—	—	—
AC-FT	.00	.00	267	513	359	.00	—	—	—	—	—	—
CAL YR 1996:	TOTAL	574.30	MEAN	3.59	MAX	13	MIN	.00	AC-FT	1140		

Table 5. Mean daily rates of injection for gaging station 13088515, Cottonwood Creek injection site 2 near Oakley, 13S-21E-6AAC1 and 2, January 1993 through June 1997—Continued

Day	1996											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	—	—	—	.00	3.6	5.3	1.1	1.3	.03	.23	—	—
2	—	—	—	.00	3.4	3.0	.35	.65	1.0	.03	—	—
3	—	—	—	.00	3.5	3.3	.37	.37	.67	.90	—	—
4	—	—	—	.00	5.1	6.4	2.4	.89	.28	1.3	—	—
5	—	—	—	.15	5.1	4.1	1.8	1.7	.18	.71	—	—
6	—	—	—	.20	5.1	2.8	1.0	1.8	.66	.00	—	—
7	—	—	—	.38	5.9	2.3	1.1	.50	.01	.00	—	—
8	—	—	—	.86	6.0	3.2	1.1	.48	.00	.00	—	—
9	—	—	—	3.3	4.5	2.8	.32	1.7	.00	.15	—	—
10	—	—	—	4.8	5.3	2.5	.68	.59	.71	.27	—	—
11	—	—	—	4.5	5.6	.92	1.7	.41	.19	.00	—	—
12	—	—	—	3.5	6.0	.03	.27	.73	.65	.00	—	—
13	—	—	—	3.1	5.7	.15	.73	1.0	.00	.00	—	—
14	—	—	—	3.7	7.0	2.4	.53	.27	.77	.00	—	—
15	—	—	—	3.3	6.4	1.6	1.8	.88	2.1	.00	—	—
16	—	—	—	1.9	7.3	.97	.32	.96	1.7	.00	—	—
17	—	—	—	2.3	7.7	1.1	.00	.43	.01	.00	—	—
18	—	—	—	2.5	7.7	.27	.00	.58	.11	.37	—	—
19	—	—	—	2.4	7.3	.08	.84	.95	1.3	.00	—	—
20	—	—	—	2.4	7.5	1.1	.86	.79	.97	.00	—	—
21	—	—	—	2.5	8.0	1.3	.89	1.4	.00	.00	—	—
22	—	—	—	2.3	8.2	.23	.00	.88	.00	.00	—	—
23	—	—	—	2.7	7.9	1.6	.32	.44	.00	.00	—	—
24	—	—	—	2.8	7.5	1.8	.65	.11	.00	—	—	—
25	—	—	—	3.7	7.5	.32	.53	.15	.00	—	—	—
26	—	—	—	2.9	7.4	1.6	1.7	.18	.00	—	—	—
27	—	—	—	.90	6.5	1.8	1.9	.39	.00	—	—	—
28	—	—	—	.00	7.9	2.3	.59	.19	.00	—	—	—
29	—	—	—	1.4	8.0	1.3	1.3	.08	.00	—	—	—
30	—	—	—	2.1	8.2	2.3	.53	.00	.19	—	—	—
31	—	—	—	—	7.9	—	1.1	.27	—	—	—	—
TOTAL	—	—	—	60.59	200.7	58.87	26.78	21.07	11.53	3.96	—	—
MEAN	—	—	—	2.02	6.47	1.96	.86	.68	.38	.17	—	—
MAX	—	—	—	4.8	8.2	6.4	2.4	1.8	2.1	1.3	—	—
MIN	—	—	—	.00	3.4	.03	.00	.00	.00	.00	—	—
AC-FT	—	—	—	120	398	117	53	42	23	7.9	—	—
CAL YR 1996:	TOTAL	383.50	MEAN	1.86	MAX	8.2	MIN	.00	AC-FT	761		

Table 5. Mean daily rates of injection for gaging station 13088515, Cottonwood Creek injection site 2 near Oakley, 13S-21E-6AAC1 and 2, January 1993 through June 1997
—Continued

	January 1997–June 1997							
Day	Jan	Feb	Mar	Apr	May	June		
1	—	—	.00	.27	9.9	1.5		
2	—	—	.00	.14	8.1	1.2		
3	—	—	.00	.28	2.1	.69		
4	—	—	.00	.47	2.8	.59		
5	—	—	.00	.06	3.4	.60		
6	—	—	.00	.01	3.6	.68		
7	—	—	.00	.00	4.3	.78		
8	—	—	.00	.00	3.0	1.3		
9	—	—	.00	.00	2.1	.98		
10	—	—	.00	.00	2.1	1.4		
11	—	—	.00	.23	2.2	1.9		
12	—	—	.00	1.5	2.2	1.5		
13	—	—	.00	1.6	2.8	1.4		
14	—	—	.00	.42	2.3	1.6		
15	—	—	.00	.23	2.4	1.2		
16	—	—	.00	.01	2.4	.00		
17	—	—	.00	.00	2.8	.02		
18	—	—	.00	.59	3.3	.39		
19	—	—	.00	.59	2.6	.09		
20	—	—	.00	3.7	2.4	.31		
21	—	—	.00	4.2	2.9	.78		
22	—	—	.00	3.2	2.7	.99		
23	—	—	.00	3.8	2.4	.91		
24	—	—	.32	9.5	2.6	1.2		
25	—	—	2.1	10	3.0	.79		
26	—	—	2.0	11	2.6	.53		
27	—	—	3.4	11	2.2	.63		
28	—	—	3.6	11	2.2	1.5		
29	—	—	3.6	11	2.0	1.4		
30	—	—	3.6	10	.63	.67		
31	—	—	2.1	—	1.5	—		
TOTAL	—	—	20.72	94.80	91.53	27.53		
MEAN	—	—	.67	3.16	2.95	.92		
MAX	—	—	3.6	11	9.9	1.9		
MIN	—	—	.00	.00	.63	.00		
AC-FT	—	—	41	188	182	55		
CAL YR 1997 to date:	TOTAL	267.84	MAX	11	MIN	.00	AC-FT	531