

MEMORANDUM

Date: October 17, 2006

To: Water Right File 35-8852

From: Jeff Peppersack 

Re: Review of Annual Volume for License

The memo reviews the information submitted by Kent Foster (letter dated April 24, 2006) to support a higher volume than the quantity described by the license issued in November, 1992. The field examiner estimated the annual volume based on the authorized flow rate operating 2 hours per day over a period of 250 days. The result was 36.8 afa as licensed. Mr. Foster's letter indicates that 250 days was reasonable for the period up to 1991, but the plant always operated 24 hours per day.

The attached spreadsheet compares the volume of water reported by the right holder to DEQ for land application of wastewater to the volume capable of being produced at the authorized diversion rate of the permit for the number of days reported. The effluent from the plant should represent the approximate amount discharged from the well. The period of interest is the period prior to the date proof was submitted for the permit (March 1990). The spreadsheet shows land application in the amount of 437.8 afa during the period of 1987/88. The maximum volume based on the authorized rate during that period would be 430.8 afa. The license should not exceed the volume that could be produced at the maximum rate over the reported time period.

Land Application of Wastewater

Year	MG/Yr	Days/Yr		AFA	Check Capacity @ 0.89 cfs
1985/86	143.742	220	=	441.1	388.5
1986/87	122.5432	214	=	376.1	377.9
1987/88	142.6472	244	=	437.8	430.8
1988/89	128.9008	253	=	395.6	446.7
1989/90	89.2001	169	=	273.7	298.4
1990/91	179.5421	323		551.0	570.3
1991/92	190.9055	306		585.9	540.3
1992/93	199.054	325		610.9	573.9
1993/94	163.88	300		502.9	529.7
1994/95	156.1	304		479.1	536.8
1995/96	177.82	394		545.7	695.7
1996/97	118.03	288		362.2	508.5
1997/98	179.87	325		552.0	573.9
1998/99	169.44	306		520.0	540.3
1999/00	141.26	320		433.5	565.0
2000/01	81.18	214		249.1	377.9
2001/02	95.06	268		291.7	473.2
2002/03	149.42	335		458.6	591.5
2003/04	149.85	321		459.9	566.8

post development
period