

Table A2  
 Donald C. Tillman Water Reclamation Plant  
 Temperature and pH Effluent Data, Ammonia Criterion Calculation  
 (CA0056227, CI-5695)

Date	Monthly Average		Temp	Ammonia Criteria (Warm Water)	
	pH	Temp		CMC (1 Hour)	CCC (30 Days)
	pH units	F	C	mg/L	mg/L
Oct-98	7.10	78.00	25.56	32.9	2.78
Nov-98	7.00	74.00	23.33	36.1	3.35
Dec-98	7.10	71.00	21.67	32.9	3.57
Jan-99	7.20	70.00	21.11	29.5	3.52
Feb-99	7.10	70.00	21.11	32.9	3.70
Mar-99	7.10	72.00	22.22	32.9	3.45
Apr-99	7.10	73.00	22.78	32.9	3.33
May-99	7.10	76.00	24.44	32.9	2.99
Jun-99	7.10	79.00	26.11	32.9	2.68
Jul-99	7.10	83.00	28.33	32.9	2.33
Aug-99	7.20	83.00	28.33	29.5	2.21
Sep-99	7.20	81.00	27.22	29.5	2.38
Oct-99	7.10	80.00	26.67	32.9	2.59
Nov-99	7.30	78.00	25.56	26.2	2.49
Dec-99	7.30	72.00	22.22	26.2	3.09
Jan-00	7.30	70.00	21.11	26.2	3.32
Feb-00	7.40	70.00	21.11	23.0	3.09
Mar-00	7.30	70.00	21.11	26.2	3.32
Apr-00	7.20	72.00	22.22	29.5	3.28
May-00	7.30	76.00	24.44	26.2	2.68
Jun-00	7.30	80.00	26.67	26.2	2.32
Jul-00	7.30	81.00	27.22	26.2	2.24
Aug-00	7.20	83.00	28.33	26.2	2.08
Sep-00	7.20	81.00	27.22	29.5	2.38
Oct-00	7.20	80.00	26.67	29.5	2.46
Nov-00	7.20	76.00	24.44	29.5	2.84
Dec-00	7.20	74.00	23.33	29.5	3.05
Jan-01	7.20	71.00	21.67	29.5	3.40
Feb-01	7.20	70.00	21.11	29.5	3.52
Mar-01	7.30	71.00	21.67	26.2	3.20
Apr-01	7.30	73.00	22.78	26.2	2.98
May-01	7.30	77.00	25.00	26.2	2.58
Jun-01	7.20	81.00	27.22	29.5	2.38
Jul-01	7.20	82.00	27.78	29.5	2.29
Aug-01	7.20	83.00	28.33	29.5	2.21
Sep-01	7.20	83.00	28.33	29.5	2.21
Oct-01	7.10	81.00	27.22	32.9	2.50
Nov-01	7.10	79.00	26.11	32.9	2.68
Dec-01	7.20	74.00	23.33	29.5	3.05
Jan-02	7.10	72.00	22.22	32.9	3.45
Feb-02	7.00	72.00	22.22	36.1	3.60
Mar-02	7.00	73.00	22.78	36.1	3.47
Apr-02	7.00	74.00	23.33	36.1	3.35
May-02	7.00	77.00	25.00	36.1	3.01
Jun-02	7.00	79.00	26.11	36.1	2.80
Jul-02	7.00	82.00	27.78	36.1	2.51
Aug-02	7.00	83.00	28.33	36.1	2.43
Sep-02	7.00	83.00	28.33	36.1	2.43
Oct-02	7.00	80.00	26.67	36.1	2.70
Nov-02	6.90	78.00	25.56	39.2	3.00
Dec-02	6.90	75.00	23.89	39.2	3.34
Jan-03	6.90	74.00	23.33	39.2	3.47

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	pH	Temp		CMC (1 Hour)	CCC (30 Days)
	pH units	F	C	mg/L	mg/L
Feb-03	7.10	73.00	22.78	32.9	3.33
Mar-03	7.10	73.00	22.78	32.9	3.33
Apr-03	7.30	74.00	23.33	26.2	2.88
May-03	7.30	76.00	24.44	26.2	2.68
Jun-03	7.50	79.00	26.11	19.9	2.07
Jul-03	7.40	81.00	27.22	23.0	2.09
Aug-03	7.40	84.00	28.89	23.0	1.87
Sep-03	7.50	82.00	27.78	19.9	1.86
Oct-03	7.40	82.00	27.78	23.0	2.01
Nov-03	7.50	78.00	25.56	19.9	2.14
Dec-03	7.40	73.00	22.78	23.0	2.78
Jan-04	7.40	72.00	22.22	23.0	2.88
Feb-04	7.40	71.00	21.67	23.0	2.99
Mar-04	7.40	75.00	23.89	23.0	2.59
Apr-04	7.40	76.00	24.44	23.0	2.50
May-04	7.40	78.00	25.56	23.0	2.32
Jun-04	7.40	79.00	26.11	23.0	2.24
Jul-04	7.40	81.00	27.22	23.0	2.09
Aug-04	7.40	82.00	27.78	23.0	2.01
Sep-04	7.50	83.00	28.33	19.9	1.79
Oct-04	7.40	80.00	26.67	23.0	2.16
Nov-04	7.40	76.00	24.44	23.0	2.50
Dec-04	7.40	72.00	22.22	23.0	2.88
Jan-05	7.40	70.00	21.11	23.0	3.09
Feb-05	7.40	70.00	21.11	23.0	3.09
Mar-05	7.50	71.00	21.67	19.9	2.75
Apr-05	7.50	73.00	22.78	19.9	2.56
May-05	7.50	76.00	24.44	19.9	2.30
Jun-05	7.40	78.00	25.56	23.0	2.32
Jul-05	7.30	81.00	27.22	26.2	2.24
Aug-05	7.30	82.00	27.78	26.2	2.16
Sep-05	7.40	81.00	27.22	23.0	2.09
Oct-05	7.40	79.00	26.11	23.0	2.24
Nov-05	7.50	75.00	23.89	19.9	2.39
<b>Ave</b>	7.24	76.70	24.83	28.10	2.71
<b>Max</b>	7.50	84.00	28.89	39.16	3.70
<b>Min</b>	6.90	70.00	21.11	<b>19.89</b>	<b>1.79</b>

The most stringent ammonia criteria for CMC is 19.9 mg/L.  
 The most stringent ammonia criteria for CCC is 1.79 mg/L.