

**RUCK CFT**  
 Masphee, MA  
 DEP Piloting Approval  
 (Pressure Dosed System)

		INFLUENT			EFFLUENT		
		TN (in)	NO2	NO3	TKN	TN (out)	Removal Rate
1	March 26, 2008	114.0	0.02	3.44	12.20	15.66	86.3%
2	April 30, 2008	65.0	0.90	1.34	5.60	7.84	87.9%
3	May 29, 2008	250.0	0.02	0.05	9.80	9.87	96.1%
4	June 26, 2008	109.0	0.02	0.05	23.20	23.27	78.7%
5	July 31, 2008	200.5	0.57	4.16	12.70	17.43	91.3%
6	August 27, 2008	190.0	0.02	0.05	9.50	9.57	95.0%
7	September 12, 2008	190.0	0.02	2.31	8.54	10.87	94.3%
8	October 30, 2008	53.1	0.24	1.95	15.00	17.19	67.6%
9	November 19, 2008	79.2	0.02	6.82	5.74	12.58	84.1%
10	December 18, 2008	85.7	0.02	6.70	2.80	9.52	88.9%
11	January 22, 2009	56.3	0.02	0.14	15.30	15.46	72.5%
12	February 23, 2009	44.8	2.18	0.05	9.10	11.33	74.7%
13	March 24, 2009	37.2	0.80	0.67	11.50	12.97	65.1%
14	April 23, 2009	50.7	0.02	10.80	9.80	20.62	59.3%
15	May 1, 2009	61.3	0.14	3.68	12.30	16.12	73.7%
16	June 1, 2009	43.1	0.09	13.70	10.10	23.89	44.6%
17	July 9, 2009	57.1	0.02	0.05	8.40	8.47	85.2%
18	August 19, 2009	39.5	0.12	0.05	16.40	16.57	58.1%
19	September 22, 2009	70.0	0.28	0.11	8.40	8.79	87.5%
20	October 20, 2009	31.6	0.78	6.04	4.48	11.30	64.3%
21	February 11, 2010*	54.6	0.02	0.10	4.76	4.88	91.1%
22	June 18, 2010*	54.6	0.14	3.21	4.48	7.83	85.7%
23	October 4, 2010*	54.6	0.02	0.66	1.96	2.64	95.2%

<b>Averages</b>	<b>86.6</b>
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<b>12.8</b>	<b>85%</b>
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\* Average Influent from Oct'08-Oct'09 used here as sample no longer required to be taken on TN(in)  
 All results are reported in mg/l

