

**TABLE 14-4B**

**TECHNOLOGY EFFLUENT NITROGEN CONCENTRATION  
COMPARISON FOR I/A SYSTEMS INSTALLED IN EASTHAM<sup>(1)</sup>**

<b>TECHNOLOGY</b>	<b># INSTALLED</b>	<b>TYPICAL EFFLUENT NITROGEN CONCENTRATION RANGE (MEDIAN VALUES) MG/L</b>	<b>PERCENT OF MEDIAN VALUES BELOW 19 MG/L <sup>(7)</sup></b>
JET	-	NA <sup>(2)</sup>	-
RUCK	-	NA <sup>(2)</sup>	-
Bioclere	6	3 to 61	83
FAST	23	1 to 67	69
Amphidrome	1	17 <sup>(3)</sup>	-
Waterloo Biofilter	3	8 to 27 <sup>(4)</sup>	67
AdvanTex	4	Preliminary Results <sup>(5)</sup>	-
Nitrex <sup>TM</sup>	1	2 <sup>(3)</sup>	-
Nitrex <sup>TM</sup> /Omni	-	NA <sup>(2)</sup>	-
Norweco Singular	-	- <sup>(6)</sup>	-
Omni RSF		28 <sup>(3)</sup>	-
SeptiTech	6	18 to 80	0

Notes:

- (1) Based on the presentation, "Eastham I/A System Performance, April 2008" developed by the Barnstable County Department of Health and Environment.
- (2) Systems where data was not available are identified as "NA".
- (3) Effluent median based on one system.
- (4) Effluent median based on three systems.
- (5) Of these four installed systems, one has been sampled twice and the other three have only been sampled once – too soon to draw conclusions about performance.
- (6) One system is permitted under General, only annual field test for pH, dissolved oxygen, turbidity required. One system out of compliance for sampling, County following up.
- (7) Technologies with "Percent of Median Values Below 19 mg/L" with no data listed were either not reported in the County study or had an insufficient number of data points to accurately report.