

Innovative and Alternative Onsite Septic Systems and the Nitrex™ Permeable Reactive Barrier

June 12, 2008

Waquoit Bay National Estuarine Research Reserve

9:00am - 12:30pm

This workshop will examine the viability of innovative and alternative onsite septic systems (I/As) for meeting TMDL limits for nitrogen on Cape Cod. Presentations will address how these systems function and perform as well as maintenance and management issues. Wastewater experts and engineering consultants with experience working on Cape Cod will share perspectives on both the advantages and disadvantages of these systems and where and how they are most appropriately used. In addition, the session will feature a presentation on the Nitrex™ groundwater treatment system and examine its effectiveness for reducing nitrogen loading in coastal areas. Research on this system has been ongoing at the Waquoit Bay Reserve.

AGENDA

- 8:00 – 9:00 Sign-in and Networking Breakfast
- 9:00 – 9:15 Welcome, Introductions and Announcements
- 9:15 – 10:15 Performance and Management of Nitrogen-Removing Onsite Septic Systems
George Heufelder, Barnstable County Department of Health and the Environment
- 10:15 – 10:30 Coffee Break
- 10:30 – 11:15 Effectiveness of the Nitrex™ Permeable Reactive Barrier System for Reducing Nitrogen Loading
Ken Foreman, Marine Biological Laboratory
- 11:15 – 12:30 Panel Discussion: Opportunities and Drawbacks of Using I/A systems to Address Wastewater Needs
Panelists have been invited from the following consulting firms: Camp Dresser & McKee, Wright-Pierce, Lombardo Associates, Inc., Tighe and Bond, Inc., and Stearns and Wheeler LLC.
- 12:30 Wrap-up