

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT,  
HEALTH AND NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL HEALTH  
ON-SITE WASTEWATER SECTION

**PIPE PENETRATION SEAL CONDITIONAL APPROVAL**

**SEPTIC TANK PIPE PENETRATION SEAL CONDITIONAL APPROVAL: PS-11**

**ISSUED TO:** Mr. Brad Holloway  
Vice-President and COO  
Blackthorn, Inc.  
6113 Brookville Salem Road  
P.O. Box 70  
Clayton, OH 45135-0070  
Phone: 800-836-6113, Fax: (937) 836-9395

**FOR:** Pipe penetration seal Model Septi-Seal®  
**DATE:** December 18, 1998

In accordance with North Carolina General Statute 130A-335, 130A-335.1, and 15A NCAC 18A .1954, an application by Brad Holloway of Blackthorne, Inc. for approval of a septic tank pipe penetration seal has been reviewed. This penetrartion seal Septi-Seal® has been found to meet the requirements established by statute and rule when properly incorporated into the design of premanufactured septic tanks, when the following conditions for use, installation, operation and maintenance are met:

I. Description:

Septi-Seal®, meeting materials and performance requirements of ASTM standard C-923 specification for use in septic tanks and other specifications and supporting documents provided by the manufacturer in their application for approval submitted to the On-Site Wastewater Section. The On-Site Wastewater Section shall be notified in writing of any new or modifications to the approved seals prior to use in septic tank systems.

II. Use:

A septic tank manufacturer may propose to use Septi-Seal® for the pipe penetration in one or more of their septic tanks. Seal size must be as specified by the seal manufacturer as required for the pipe size to be used (3-inch or 4-inch). The septic tank manufacturer must notify the On-Site Wastewater Section in accordance with Rule .1953 of the tanks in which they propose to utilize any of these conditionally approved seals showing any modifications to the approved tank plans which may be necessary to utilize the proposed seals.

III. Installation:

**ON-SITE WASTEWATER SECTION**  
P.O. Box 29594, Raleigh, North Carolina 27626-0594  
Telephone 919-733-2895 FAX 919-715-3227  
An Equal Opportunity Affirmative Action Employer  
50% recycled/ 10% post-consumer paper

December 18, 1998

Page 2 of 2

The seals must be cast in place during construction of the concrete septic tanks. For septic tanks made with other material such as Plastics a specific installation procedure and detail must be proposed by the Septic Tank Manufacturer.

IV. Maintaining conditional approval status:

The approval status is governed by Rule .1954(e). The approval status shall also be revised as part of the permanent rule making process for rules 15A NCAC 18A .1952 through .1954.

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_