

15A NCAC 02C .0112 WELL MAINTENANCE: REPAIR: GROUNDWATER RESOURCES

(a) A well that is not maintained by the owner to conserve and protect the groundwater resources or that constitutes a source or channel of contamination to the water supply or any aquifer shall be permanently abandoned in accordance with Rule .0113(b) of this Section.

(b) Wells that are used for dewatering shall be permanently abandoned in accordance with Rule .0113(b) of this Section within 30 days of completion of the dewatering activity.

(c) All materials used in the maintenance, replacement, or repair of any well shall be in accordance with Rules .0107 and .0108 of this Section.

(d) Broken, punctured, or otherwise defective or unserviceable casing, screens, fixtures, seals, or any part of the well head shall be repaired or replaced, or the well shall be permanently abandoned in accordance with Rule .0113(b) of this Section.

(e) NSF International approved PVC pipe rated at 160 PSI may be used for liner pipe. The annular space around the liner casing shall be five-eighths inches or greater and shall be completely filled with neat-cement grout or sand cement grout. The well liner shall be completely grouted within 10 working days after collection of water samples or completion of other testing to confirm proper placement of the liner or within 10 working days after the liner has been installed if no sampling or testing is performed.

(f) No well shall be repaired or altered such that the well head is completed less than 12 inches above land surface. Any grout excavated or removed as a result of the well repair shall be replaced in accordance with Rule .0107(f) of this Section.

(g) Well rehabilitation by noncontinuous chemical treatment shall be conducted using methods and materials approved by the Department based on a demonstration that the materials and methods used will not create a violation of groundwater standards in 15A NCAC 02L, including rendering the groundwater unsuitable for its intended best use after completion of the rehabilitation. A written request for approval of a noncontinuous chemical treatment shall be submitted to the Director and shall include the following information:

- (1) a demonstration of non-toxicity, such as ANSI or NSF Standard certification or EPA studies;
- (2) the general procedures for the rehabilitation, including the amount of product to be used per unit volume of the well;
- (3) a demonstration that, after rehabilitation is completed, the water within the well will meet 15A NCAC 02L groundwater standards;
- (4) a description of the dosing frequency; and
- (5) after submittal of request, any other information necessary for the Department to ensure compliance with G.S. 87-84.

*History Note: Authority G.S. 87-87; 87-88;
Eff. February 1, 1976;
Amended Eff. September 1, 2009, August 1, 2002; April 1, 2001; December 1, 1992; September 1, 1984;
Readopted Eff. September 1, 2019.*