

10A NCAC 41C .0611 REQUIREMENTS FOR ASBESTOS ROOFING TRAINING COURSES

(a) Pursuant to Rule .0602 of this Section, applicants for accreditation and reaccreditation as a roofing worker or roofing supervisor are required to successfully complete a training course approved by the Program under this Rule. Initial and refresher training courses for roofing workers and roofing supervisors shall meet requirements of this Rule and Rule .0603 of this Section.

(b) Initial training courses for roofing workers shall be at least one day in length and cover the following topics:

- (1) Physical characteristics of asbestos, including the identification of asbestos, the aerodynamic characteristics, and the typical uses of asbestos in roofing materials;
- (2) Health effects related to asbestos exposure, including the nature of asbestos related diseases, the routes of exposures, the dose-response relationship, the lack of a safe exposure level, the latency period, cigarette smoking and asbestos exposure, medical surveillance programs, and information on smoking cessation programs;
- (3) State-of-the art work practices, including proper work techniques to minimize fiber release, removal procedures for cement roofing products versus built-up roofing products, discussion of prohibited work practices, wetting, hand tools, power tools, HEPA vacuumed tools, waste disposal procedures, and controlling access to work areas;
- (4) Personal protection equipment, including the classes and characteristics of respirator types, limitations, proper selection, inspection, donning, use and storage procedures for respirators, fit testing, components of a proper respiratory protection program, selection and use and storage of non-disposable clothing, hard hats, safety glasses, and non-slip shoes;
- (5) Personal hygiene, including entry and exit procedure for the work area, avoidance of eating, smoking, and chewing in the work area, and potential exposures, such as family exposures;
- (6) Safety practices and hazard prevention during removal of roofing materials and emergency procedures, including hazards posed by wet working conditions, electrical hazards, slips, trips, heat/cold stress, falls, and scaffold and ladder hazards; and
- (7) Review of state, federal, and local rules and regulations, including, an overview of the asbestos regulations under the National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61, Subpart M), Occupational Safety and Health Act (29 CFR 1926.1101), these Rules, and other pertinent rules and regulations.

(c) Initial training courses for roofing supervisors shall be at least two days in length and cover the topics under Paragraph (b) of this Rule. The following additional topics shall be covered in roofing supervisor courses:

- (1) Discussion of the competent person duties required by the Occupational Safety and Health Act, Asbestos Construction Standard, 29 CFR 1926.1101(o), as adopted by 13 NCAC 7F .0201 and amendment or recodification as adopted by the North Carolina Department of Labor;
- (2) Pre-work activities and considerations, including the determination of asbestos containing roofing products, bulk sampling procedures, analytical methods, inspection reports, and air monitoring procedures;
- (3) Assessment of the work area, including isolation of the work area, considerations if the work area is adjacent to an occupied area, and items requiring special protection;
- (4) Site considerations and preparations, designating the regulated areas, setting up the barricade, and warning signs; and
- (5) Supervisory techniques, including worker training, housekeeping, recordkeeping, and documentation requirements.

(d) The state-of-the-art work practice topics shall include a segment of hands-on activities, which allows the students an opportunity to use and handle equipment found on asbestos roofing projects. The hands-on activities shall be a minimum of two hours for the roofing worker course and four hours for roofing supervisor course.

(e) The refresher training course for roofing workers shall be at least one-half day and for the roofing supervisor course shall be at least one day in length. These courses shall review and discuss changes in the Federal and State regulations, developments in the state-of-the-art work procedures, and key aspects of the initial courses as provided in Paragraphs (b) and (c) this Rule.

(f) At the completion of the initial roofing worker and roofing supervisor course the training provider shall administer a written closed book examination, approved by the Program. The examination shall be in multiple choice format, with a minimum of 50 questions for the roofing supervisor course and 25 questions for the roofing worker course. For successful completion of the course, the student shall pass the examination with a minimum score of 70 percent. The refresher training course examination for these disciplines shall meet the requirements of Rule .0603(c) of this Section.

*History Note: Authority G.S. 130A-447;
Eff. July 1, 1996;
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. February
16, 2019.*