

4620.3718 COURSE CONTENT AND LENGTH.

Subpart 1. **General.** Course content for training courses permitted by the commissioner must meet the requirements of this part.

Subp. 2. **Incorporation of Minnesota law and rules.** The training course provider must incorporate all asbestos-related Minnesota law and rules into all course materials and instruction wherever the course material and instruction addresses a subject covered by Minnesota law and rules.

Subp. 3. **Incorporation of new material into training course.** The training course provider must incorporate any new information into course material as required by the commissioner.

Subp. 4. **Length and content of initial asbestos-related training courses.** Initial training course length and content must meet the requirements in this subpart with one day equal to eight hours including breaks and lunch. The initial training course length and content requirements for:

A. asbestos workers must meet the length and content requirements in Code of Federal Regulations, title 40, chapter I, subchapter R, part 763, subpart E, appendix C, section I, part B, paragraph (1), amended through February 3, 1994;

B. asbestos site supervisors must meet the training course length and content requirements in Code of Federal Regulations, title 40, chapter I, subchapter R, part 763, subpart E, appendix C, section I, part B, paragraph (2), amended through February 3, 1994;

C. asbestos inspectors must meet the initial training course length and content requirements in Code of Federal Regulations, title 40, chapter I, subchapter R, part 763, subpart E, appendix C, section I, part B, paragraph (3), amended through February 3, 1994;

D. asbestos management planners must meet the initial training course length and content requirements in Code of Federal Regulations, title 40, chapter I, subchapter R, part 763, subpart E, appendix C, section I, part B, paragraph (4), amended through February 3, 1994; and

E. asbestos project designers must meet the initial training course length, content, and prerequisite requirements in Code of Federal Regulations, title 40, chapter I, subchapter R, part 763, subpart E, appendix C, section I, part B, paragraph (5), amended through February 3, 1994.

Subp. 5. **Length and content of air sampling training.** The initial training course for asbestos air sampling must be at least two days in length and meet the requirements in this subpart. The training must address:

A. the National Institute for Occupational Safety and Health's sampling method specified in part 4620.3597, subpart 1;

- B. the sampling requirements and procedures in parts 4620.3592 to 4620.3598;
- C. the sampling requirements and procedures specified in item B:
 - (1) the alternative indoor air standard;
 - (2) the alternative air clearance standard;
 - (3) the appropriate use of alternative standards;
 - (4) the number of fields to be counted and what to do when sampling volumes are below 2,000 liters;
 - (5) sampling techniques and requirements outside the containment during abatement;
 - (6) reasons to evacuate the facility, reentry after evacuation, and the reasons for delay of evacuation;
 - (7) sampling when negative air machines exhaust indoors;
 - (8) sampling during glove bag and mini-containment operations; and
 - (9) all phases of final containment clearance;
- D. the Occupational Safety and Health Administration (OSHA) personal sampling requirements, procedures, and rationale, including calculation of time-weighted averages contained in Code of Federal Regulations, title 29, section 1926.1101, paragraphs (c) and (f), and appendix A, amended through September 29, 1995;
- E. the Environmental Protection Agency (EPA) sampling requirements and procedures in Code of Federal Regulations, title 40, section 763.90, paragraph (i), and subpart E, appendix A, amended through April 15, 1988;
- F. a comparison of the EPA, OSHA, and Minnesota air sampling requirements;
- G. an introduction to analysis procedures;
- H. sampling equipment calibration methods;
- I. problems that may be encountered during sample collection;
- J. decontamination of sampling equipment after sampling; and
- K. hands-on sampling training, including:
 - (1) calibrating a rotameter using primary standard;
 - (2) measuring sampling pump flow rate using a rotameter;
 - (3) assembling sampling cassettes;
 - (4) setting up a sampling train for area sampling, collecting an air sample, and calculating the volume sampled;

- (5) setting up, on a course participant, a sampling train for personal sampling;
- (6) calculating time-weighted averages; and
- (7) calculating the alternative indoor air standard described in part 4620.3597, subpart 2.

Subp. 6. **Hands-on training required.** For initial worker and site supervisor training, the course must include lectures, demonstrations, hands-on training, course review, and an examination as specified in part 4620.3716, subpart 4. The hands-on training must be at least 14 hours in length and must include:

- A. demonstration by the instructor of the use of the respiratory protection devices with at least six different respirator types;
- B. demonstration by the instructor and practice by each course participant of disassembly, cleaning, and reassembly of a half-face air purifying respirator and a full-face powered air purifying respirator;
- C. practice by each course participant in identifying faults with half-face air purifying and full-face powered air purifying respirators with damaged or missing parts;
- D. demonstration by the instructor of respirator fit checking;
- E. demonstration by the instructor of respirator fit testing;
- F. practice by each participant in donning full-body protective clothing;
- G. demonstration by the instructor and practice by each course participant of simulated asbestos abatement of pipe insulation using a glove bag;
- H. practice by each course participant constructing a decontamination unit;
- I. practice by each participant constructing a containment and using a HEPA-filtered negative air machine to produce negative pressure in the containment;
- J. demonstration by the instructor and practice by each participant of simulated abatement of ceiling spray-on; and
- K. demonstration by the instructor and practice by each course participant of removing and replacing the filter elements in a HEPA-filtered negative air machine.

Subp. 7. **Annual refresher courses.** Annual refresher courses for asbestos project designers, asbestos management planners, asbestos inspector, asbestos site supervisors, and asbestos workers must:

- A. meet the refresher course length and content specified in Code of Federal Regulations, title 40, chapter I, subchapter R, part 763, subpart E, appendix C, section I, part D, amended through February 3, 1994;

B. include a review of the topics covered in an initial training course as specified in subpart 5; and

C. comply with part 4620.3716, subpart 6.

Subp. 8. **Time limits for training courses.** If extra time is required to complete the prescribed instruction of a permitted training course or to add subjects not prescribed for the training course, the course may be extended if:

A. instruction is not more than eight hours per day, including lunch and other breaks; and

B. the training course is held no more than five successive days.

Statutory Authority: *MS s 144.05; 326.70 to 326.81*

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