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SUBCHAPTER 1. GENERAL PROVISIONS

5:23-1.1 Title; division into subchapters

(a) These regulations shall be known as the "Regulations for the New Jersey Uniform Construction Code" and are referred to herein as "the regulations".

(b) The chapter consists of the following subchapters:

1. "General provisions" which may be cited throughout the regulations as N.J.A.C. 5:23-1 and when referred to in subchapter 1 of this chapter may be cited as this subchapter.

2. "Administration and enforcement; process" which may be cited throughout the regulations as N.J.A.C. 5:23-2 and when referred to in subchapter 2 of this chapter may be cited as this subchapter.

3. "Subcodes" which may be cited throughout the regulations as N.J.A.C. 5:23-3 and when referred to in subchapter 3 of this chapter may be cited as this subchapter.

i. N.J.A.C. 5:23-3.11B contains references to the Department of Environmental Protection's rules concerning underground storage tanks, codified at N.J.A.C. 7:14B, which are jointly enforced by this Department and local enforcing agencies pursuant to this chapter.

4. "Enforcing agencies: duties, powers, and procedures" which may be cited throughout the regulations as N.J.A.C. 5:23-4 of this chapter and when referred to in subchapter 4 of this chapter may be cited as this subchapter.

5. "Industrialized/Modular Buildings and Building Components" which may be cited throughout the regulations as N.J.A.C. 5:23-4A and when referred to N.J.A.C. 5:23-4A may be cited as this subchapter.

6. "Manufactured Homes and Manufactured Home Add-On Units Not Subject to Federal Regulations" which may be cited throughout the regulations as

N.J.A.C. 5:23-4B and when referred to in subchapter 4B may be cited as this subchapter.

7. "Enforcement of Federal Manufactured Home Standards" which may be cited throughout the regulations as N.J.A.C. 5:23-4C and when referred to in subchapter 4C may be cited as this subchapter.

8. "Licensing of Code Enforcement Officials" which may be cited throughout the regulations as N.J.A.C. 5:23-5 and when referred to in subchapter 5 of this chapter may be cited as this subchapter.

9. "Tax Exemptions" which may be cited throughout the regulations as N.J.A.C. 5:23-6 and when referred to in subchapter 6 of this chapter may be cited as this subchapter.

10. "Barrier Free Subcode" which may be cited throughout the regulations as N.J.A.C. 5:23-7 and when referred to in subchapter 7 of this chapter may be cited as this subchapter.

11. "Asbestos Hazard Abatement Subcode" which may be cited throughout the regulations as N.J.A.C. 5:23-8 and when referred to in subchapter 8 of this chapter may be cited as this subchapter.

12. "Code Interpretations" which may be cited throughout the regulations as N.J.A.C. 5:23-9 and when referred to in subchapter 9 of this chapter may be cited as this subchapter.

13. "Radon Hazard Subcode" which may be cited throughout the regulations as N.J.A.C. 5:23-10 and when referred to in subchapter 10 of this chapter may be cited as this subchapter.

14. "Indoor Air Quality Standards and Procedures for Buildings Occupied by Public Employees" which may be cited throughout the rules as N.J.A.C. 5:23-11 and, when referred to in subchapter 11 of this chapter, may be cited as this subchapter.

15. "Elevator Safety Subcode" which may be cited throughout the rules as N.J.A.C. 5:23-12 and when referred to in subchapter 12 of this chapter may be cited as this subchapter.

Amended by R.1978 d.350, eff. October 1, 1978.

See: 10 N.J.R. 378(a), 10 N.J.R. 469(f).

Amended by R.1987 d.509, effective December 7, 1987.

See: 19 N.J.R. 1264(a), 19 N.J.R. 2270(a).

(b) substantially amended.

Amended by R.1990 d.226, effective May 7, 1990.

See: 21 N.J.R. 3696(a), 22 N.J.R. 1356(a).

Added 9 and 10 to (b).

Amended by R.1990 d.313, effective June 18, 1990.

See: 22 N.J.R. 691(a), 22 N.J.R. 1915(b).

Text added at (b)5.

Amended by R.1990 d.562, effective November 19, 1990.

See: 22 N.J.R. 2629(c), 22 N.J.R. 3482(d).

Added reference to N.J.A.C. 7:14B.

Amended by R.1991 d.325, effective July 1, 1991.

See: 23 N.J.R. 805(a), 23 N.J.R. 2046(a).

Text on elevators added at (b).

Amended by R.1992 d.183, effective April 20, 1992.

See: 24 N.J.R. 167(a), 24 N.J.R. 1475(b).

Reference to Indoor Air Quality Subcode added at (b)12.

Amended by R.1994 d.96, effective February 22, 1994.

See: 26 N.J.R. 1073(a).

5:23-1.2 Authority

These regulations are promulgated by the Commissioner of the Department of Community Affairs pursuant to the authority of the "State Uniform Construction Code Act" (P.L. 1975, c.217, as amended).

5:23-1.3 Intent and purpose

(a) It is the intent and purpose of the regulations:

1. To encourage innovation and economy in construction and to provide requirements for construction and construction materials consistent with nationally recognized standards.

2. To formulate such requirements, to the extent practicable, in terms of performance objectives, so as to make adequate performance for the use intended as the test of acceptability.

3. To permit to the fullest extent feasible the use of modern technical methods, devices and improvements, including premanufactured systems, consistent with reasonable requirements for the health, safety and welfare of occupants or users of buildings and structures.

4. To eliminate restrictive, obsolete, conflicting and unnecessary construction regulations that tend to unnecessarily increase construction costs or retard the use of new materials, products or methods of construction, or provide preferential treatment to types or classes of materials or products or methods of construction.

5. To insure adequate maintenance of buildings and structures throughout the State and to adequately protect the health, safety and welfare of the people.

6. To eliminate unnecessary duplication of effort and fees in the review of construction plans and the inspection of construction.

Case Notes

Intent is elimination of construction regulations by local government units. Home Builders League of South Jersey, Inc. v. Evesham Twp., 174 N.J.Super. 252, 416 A.2d 81 (Law Div.1980).

Uniform Construction Code codified in regulations. Bureau of Construction Code Enforcement v. Hasbrouck Heights, 4 N.J.A.R. 282 (1983).

5:23-1.4 Definitions

The following words and terms, when used in this chapter, shall have the following meanings unless the context clearly indicates otherwise:

(b) An inspector, or team of inspectors, on presentation of proper credentials, shall have the right to enter and inspect such premises, and any and all construction thereon, for purposes of insuring compliance with the provisions of the applicable construction permit, and the regulations. All inspection pursuant to the act and the regulations shall be between the hours of 9:00 A.M. and 5:00 P.M. on business days, or when construction is actually being undertaken; provided, however, that inspections may be conducted at other times if the enforcing agency has reasonable cause to believe that an immediate danger to life, limb or property exists, or if permission is given by an owner, or his agent, architect, engineer or builder. No person shall accompany an inspector or team of inspectors on any inspection pursuant to the regulations, unless his presence is necessary for the enforcement of the regulations, or unless consent is given by an owner or his agent, architect, engineer or builder.

(c) Any construction official, subcode official or any inspector, presenting themselves for inspection of any occupied building shall present to the owner the owner's agent or occupant their personal identification as provided by the municipality.

(d) After the certificate of occupancy shall have been granted, the construction official shall not enter upon such premises for purpose of inspection, unless upon reasonable grounds to believe that a condition of the certificate of occupancy has been violated, or in the case of equipment granted approvals of limited duration pursuant to this subchapter, or in the case of emergencies, or unsafe buildings, or upon reasonable cause to believe construction work is underway without a permit having been issued.

(e) Nothing herein is intended to limit the right of a municipality to adopt property maintenance regulations and provide for inspection, pursuant to any other law, ordinance or judicial decision of this State. However, no such regulation shall conflict with any provision of the regulations.

Administrative Correction to (b): Changed "than" to "that".
See: 22 N.J.R. 2503(b).

5:23-2.30 Violation, notice and orders

(a) Whenever the construction official or the appropriate subcode official shall determine that there exists a violation of the provisions of the regulations, or of a detailed statement or plan approved thereunder, or where there exists a violation of a permit or certificate issued under the regulations, the construction official shall issue a notice of violation and orders to terminate directing the discontinuance of the illegal action or condition and the correction of the violation.

(b) The notice and orders shall contain at least the following information:

1. The name and address of the owner; the address at which the violation occurred; the name and address of the person to whom the order is directed, and if it be other than the owner, a copy shall be delivered to the owner or his agent stating that the owner bears joint responsibility for bringing about compliance with the person named and that if a penalty is imposed, the enforcing agency will not issue a certificate of occupancy until such penalty has been paid; the permit number, a citation to the sections of the regulations violated; an order to terminate violations within a time specified in the order; the amount of penalty assessed, if any, and if cumulative, an explanation of the method of computation; and shall be signed by the appropriate subcode official and the construction official.

2. Unless an immediate hazard to health and safety is posed, the construction official shall permit such time period for correction as is reasonable within the context of the situation.

(c) Extensions: The construction official may grant extensions of time whenever he shall determine that despite diligent effort, compliance cannot be accomplished within the time specified in the notice. If, however, such extension shall be for a period in excess of three business days, or if more than one extension of less than three business days is sought, the construction official shall require a written application of extension stating the need, upon which he shall rule in writing, and which shall be made a part of the permanent file of the project.

Case Notes

Penalty assessed against property owners for violations of housing code; failure to request an extension of time for reinspection. *Piercy v. Department of Community Affairs*, 94 N.J.A.R.2d (CAF) 27.

5:23-2.31 Compliance

(a) If the notice of violation and orders to terminate have not been complied with, the construction official in addition to any other available remedies likely to bring about compliance, may request the legal counsel of the municipality, or of the joint enforcement agency, or the Attorney General in the case of the State, to institute the appropriate proceeding at law or in equity to restrain, correct, or abate such violation or to require the removal or termination of the unlawful use of the building or structure in violation of the provisions of the regulations or of the order or direction made pursuant thereto.

(b) Penalties;

1. Any person or corporation, including an officer, director or employee of a corporation, shall be subject to a penalty of not more than \$500.00 if that person:

- i. Violates any of the provisions of the act or the regulations;

- ii. Constructs a structure or building in violation of a condition of a building permit;
- iii. Fails to comply with any order issued by an enforcing agency or the department;
- iv. Makes a false or misleading written statement, or omits any required information or statement in any application or request for approval to an enforcing agency or the department.

2. Anyone who knowingly refuses entry or access to an inspector lawfully authorized to inspect any premises, building or structure pursuant to the act or the regulations, or who unreasonably interferes with such an inspection, shall be subject to a fine of not more than \$250.00.

3. With respect to (b)1iii above, a person shall be guilty of a separate offense for each day that he fails to comply with a stop construction order validly issued by an enforcing agency or the department and for each week that he fails to comply with any other order validly issued by an enforcing agency or the department. With respect to (b)1i and iv above, a person shall be guilty of a separate offense for each violation of any provision of the act or the regulations and for each false or misleading written statement or omission of required information or statement made in any application or request for approval to an enforcing agency or the department. With respect to (b)1ii above, a person shall be guilty of a separate offense for each violation of conditions of a construction permit.

4. No such penalty shall be assessed except upon notice of violation and orders to terminate and upon the expiration of the time period delineated in the notice; except that in the case of a false or misleading statement pursuant to (b)1iv above, the failure to obtain a construction permit or request required inspections, or allowance of occupancy prior to receipt of a certificate of occupancy, an order to pay a penalty shall be issued immediately upon the discovery of the violation.

5. The construction official may separately serve a notice of penalty assessment and order to pay a penalty, whenever he shall not have done so in the original notice and orders.

6. The penalties pursuant to this section may be collected in a summary proceeding pursuant to the "Penalty Enforcement Law" (N.J.S.A. 2A:58-1 et seq.). Jurisdiction to enforce such penalties is conferred upon judges of the municipal court in addition to the courts specified by N.J.S.A. 2A:58-2. Suit may be brought by a municipality or the State of New Jersey. Payment of a money judgment pursuant hereto shall be remitted in the case of a suit brought by a municipality to the municipal treasurer and in the case of a suit brought by the State of New Jersey to the State Treasurer.

(c) The construction official may assess a monetary penalty whenever such shall be likely to assist in bringing about compliance.

(d) Stop construction order: If the construction of a structure or building is being undertaken contrary to the provisions of the regulations, or other applicable laws or ordinances, the enforcing agency may issue a stop construction order in writing which shall state the reasons for such order and the conditions upon which construction may be resumed and which shall be given to the owner or the holder of the construction permit or to the person performing the construction. If the person doing the construction is not known, or cannot be located with reasonable effort, the notice may be delivered to the person in charge of, or apparently in charge of, the construction. No person shall continue, or cause to allow to be continued, the construction of a building or structure in violation of a stop construction order, except with the permission of the enforcing agency to abate a dangerous condition or remove a violation, or except by court order. If an order to stop construction is not obeyed, the enforcing agency may apply to the appropriate court as otherwise established by law for an order enjoining the violation of the stop construction order. The remedy for violation of such an order provided in this subsection shall be in addition to, and not in limitation of, any other remedies provided by the regulations, law or ordinance.

Case Notes

Civil rights action challenging township actions regarding use of property as church were not ripe for adjudication until township planning board decided site plan application and any need for variance. *Trinity Resources, Inc. v. Township of Delanco*, D.N.J.1994, 842 F.Supp. 782.

5:23-2.32 Unsafe structures

(a) All buildings or structures that shall become unsafe, or unsanitary, or that contain deficient or blocked exitway facilities, or which constitute a fire hazard or are otherwise dangerous to human life or the public welfare, or that by reason of illegal or improper use or occupancy shall be deemed unsafe buildings or structures, shall be taken down and removed or made safe and secure. A vacant building that is unguarded or open at door or window shall be deemed a fire hazard and unsafe within the meaning of this chapter.

1. Examination and record of damaged structure: The appropriate subcode official shall examine every building or structure reported as dangerous, unsafe structurally, unsanitary or constituting a fire hazard and shall prepare a report to be filed in a docket of unsafe structures and premises, stating the use of the structure, the nature of the hazard, the nature and estimated amount of damages, if any, caused by collapse or failure.

2. Notice of unsafe structure: If an unsafe or unsanitary condition is found in a building or structure, the construction official shall serve a written notice describing the building or structure deemed unsafe and specifying the required repairs or improvements to be made to render the building or structure safe and secure, or requiring the unsafe building or structure or portion thereof to be vacated or demolished within a stipulated time. Such notice shall require the person thus notified to immediately declare to the construction official his or her acceptance or rejection of the terms of the order. Such person may seek review before the Construction Board of Appeals within 15 days of receipt of the notice.

3. Restoration of unsafe structure: A building or structure condemned by the construction official may be restored to safe condition provided change of use or occupancy is not contemplated or compelled by reason of such reconstruction or restoration; except that if the damage or cost of reconstruction or restoration is in excess of 50 percent of its physical value, as defined and computed in accordance with this subchapter, exclusive of foundations, such structure shall be made to comply in all respects with the requirements for new construction. A certificate of occupancy shall be obtained prior to reoccupancy of the building or structure.

4. Posting notice of unsafe structure: If the person addressed with a notice of unsafe structure cannot be found within the municipality after diligent search, then such notice shall be sent by registered or certified mail to the last known address of such person, as on file with the office of the tax collector, and a copy of the notice of unsafe structure shall be posted in a conspicuous place on the premises; and such procedures shall be deemed the equivalent of personal notice.

5. Upon refusal or neglect of the person served with a notice of unsafe structure to comply with the requirements of the order to abate the unsafe condition, the construction official shall, in addition to any other remedies herein provided, forward the matter to the legal counsel of the jurisdiction for an action to compel compliance.

(b) Emergency measures:

1. When, in the opinion of the construction official and appropriate subcode officials, there is actual and immediate danger of failure or collapse of a building or structure or any part thereof which would endanger life, or when any structure or part of a structure has fallen and life is endangered by the occupation of the building or structure, the construction official is hereby authorized and empowered to order and require the occupants to vacate the same forthwith. He shall cause to be posted at each entrance to such building a notice reading as follows: This structure is unsafe and its use or occupancy has been prohibited by the construction official, and it shall be unlawful for any person to enter such building or struc-

ture except for the purpose of making the required repairs or of demolishing the same.

2. Temporary safeguards: When, in the opinion of the construction official, there is actual and immediate danger of collapse or failure of a building or structure or any part thereof which would endanger life, he shall cause the necessary work to be done to render such building or structure or part thereof temporarily safe, whether or not the legal procedure herein described has been instituted.

3. Closing streets: When necessary for the public safety, the construction official may temporarily close sidewalks, streets, buildings and structures and places adjacent to such unsafe structure, and prohibit the same from being used.

4. Emergency repairs: For the purposes of this section, the construction official shall employ the necessary labor and materials to perform the required work as expeditiously as possible.

5. Costs of emergency repairs: Costs incurred in the performance of emergency work shall be paid from the treasury of the jurisdiction on certificate of the construction official; and the legal authority of the jurisdiction shall institute appropriate action against the owner of the premises for the recovery of such costs.

Amended by R.1991 d.509, effective October 7, 1991.

See: 23 N.J.R. 2236(a), 23 N.J.R. 3001(a).

C.O. required prior to reoccupancy.

Amended by R.1996 d.236, effective May 20, 1996 (operative January 1, 1997).

See: 27 N.J.R. 4050(a), 28 N.J.R. 2586(a).

Law Review and Journal Commentaries

Tort Claims Act—Landlords. P.R. Chenoweth, 138 N.J.L.J. No. 2, 77 (1994).

Case Notes

Civil rights action challenging township actions regarding use of property as church were not ripe for adjudication until township planning board decided site plan application and any need for variance. *Trinity Resources, Inc. v. Township of Delanco*, D.N.J.1994, 842 F.Supp. 782.

City, as landowner, did not have immunity from claim it negligently maintained buildings in dangerous condition, resulting in spread of fire to surrounding buildings. *Saldana v. DiMedio*, 275 N.J.Super. 488, 646 A.2d 522 (A.D.1994).

If activities of building inspector and public works director required discretionary decisions and were subject to qualified immunity, standard of liability would be whether decisions were palpably unreasonable or whether they merely failed to follow mandates of higher-up decisions. *Saldana v. DiMedio*, 275 N.J.Super. 488, 646 A.2d 522 (A.D.1994).

"Dangerous condition" for tort liability was satisfied with respect to surrounding buildings damaged by fire which spread from buildings on city-owned lots. *Saldana v. DiMedio*, 275 N.J.Super. 488, 646 A.2d 522 (A.D.1994).

Loss of housing which occurred when premises was evacuated for safety of tenants upon broken water main was a natural disaster that precluded payment of relocation benefits. *Union Gardens' v. Township of Montclair*, 95 N.J.A.R.2d (CAF) 85.

5:23-2.33 Service of notice

Except as is specifically provided for by the act with respect to stop construction orders, service of notices and orders pursuant to this section shall be upon the owner or the person specified as agent for receipt of same in the application for a permit or the person responsible for the work or in the case of unsafe structures upon any agent or person in control of the building. Service may be made by personal delivery or by leaving a copy at the dwelling house or usual place of abode of such person, with a competent member of his household of the age of 14 years or older than residing therein, or by any other method or upon any other person approved pursuant to Rules 4:4-4 and 4:4-5 of the New Jersey Supreme Court, or which is otherwise consistent with due process.

5:23-2.34 (Reserved)

Repealed by R.1996 d.236, effective May 20, 1996 (operative January 1, 1997).

See: 27 N.J.R. 4050(a), 28 N.J.R. 2586(a)

Section was "Construction board of appeals".

5:23-2.35 (Reserved)

Repealed by R.1996 d.236, effective May 20, 1996 (operative January 1, 1997).

See: 27 N.J.R. 4050(a), 28 N.J.R. 2586(a).

Section was "Applicant's right of appeal; procedure".

5:23-2.36 (Reserved)

Repealed by R.1996 d.236, effective May 20, 1996 (operative January 1, 1997).

See: 27 N.J.R. 4050(a), 28 N.J.R. 2586(a).

Section was "Procedure of the board".

5:23-2.37 (Reserved)

Repealed by R.1996 d.236, effective May 20, 1996 (operative January 1, 1997).

See: 27 N.J.R. 4050(a), 28 N.J.R. 2586(a).

Section was "Decision of the board".

5:23-2.38 Departmental appeal

(a) Whenever the department shall act as the enforcing agency under section 10 of the State Uniform Construction Code Act, an appeal in lieu of the appeal to the county, municipal or joint construction board of appeals may be made to the Division of Housing. The case shall be adjudicated before the Office of Administrative Law and the final decision shall be issued by the Commissioner. Such hearings shall be governed by the provisions of the Administrative Procedure Act (See N.J.S.A. 52:14B-1 et seq. and 52:14F-1 et seq. as implemented by N.J.A.C. 1:1), and the time provisions applicable to county or municipal boards.

(b) Any party in interest aggrieved by any decision made by a facility manager with respect to compliance with the Barrier Free Recreational Standards (N.J.A.C. 5:23-7.100 through 7.116) shall have the right to appeal the decision to the Department.

1. The Department shall forward a copy of the complaint to the facility manager and to the facility owner or agency responsible for administration of the facility and shall request a response from the facility manager.

2. The facility manager shall respond in writing within 45 days of receipt of the request.

3. The Department shall review the response and shall determine whether the complaint is justified and what corrective measures shall be required to be taken by the facility owner or administering agency. The Department shall make such determination and issue any necessary orders within 60 days.

4. In the event that the owner or administering agency of a facility appeals any such order and the Department determines that a contested case exists, it shall forward such case for adjudication in an administrative hearing before the Office of Administrative Law and the final decision shall be issued by the Commissioner. Hearings shall be conducted in accordance with the provisions of the Administrative Procedure Act (N.J.S.A. 52:14B-1 et seq.) and the Uniform Administrative Procedure Rules (N.J.A.C. 1:1).

5. A "party in interest" may be either the owner, or authorized representative of the owner, of the premises that is the subject of the decision or an occupant, user or prospective occupant or user, of the premises, or a group representative of such occupants, users or prospective occupants or users; provided, however, that an occupant, user or representative group shall only be deemed to be a party in interest if notice of such interest has been given to the Department by the party prior to the issuance of the Department's determination.

Amended by R.1982 d.436, effective December 20, 1982.

See: 14 N.J.R. 734(a), 14 N.J.R. 1449(a).

Added appeals to be made to the Division of Housing, cases to be heard by the OAL with final decision by the Commissioner. Also added APA cite.

Amended by R.1988 d.352, effective August 1, 1988.

See: 19 N.J.R. 1270(a), 20 N.J.R. 1873(b).

Added (b).

Amended by R.1991 d.428, effective August 19, 1991.

See: 23 N.J.R. 1730(a), 23 N.J.R. 2500(d).

In (b), added codification 1 through 5. In (b)3, added "what corrective measures shall be required by owner or agency".

SUBCHAPTER 3. SUBCODES**5:23-3.1 Title; scope; intent**

(a) This section of the regulations, adopted pursuant to authority of the State Uniform Construction Code Act and entitled "Subcodes," shall be known and may be cited throughout the regulations as "N.J.A.C. 5:23-3," and when referred to in this subchapter may be cited as "this subchapter."

5:23-8.6 Coordination with other permits

(a) When a building owner or an authorized representative on behalf of the owner submits an application for a construction permit for repair, renovation, or demolition work, the following information shall be required to be given to the construction official having jurisdiction before a construction permit is issued:

1. An architect/engineer certification concerning whether asbestos will be disturbed and to what extent it will be disturbed during the planned construction work.

i. Where any work not requiring an architect/engineer is involved then this certification will be required of the contractor undertaking the work.

(b) When it is certified that asbestos may become disturbed in a building or structure subject to this subchapter, an assessment performed by the New Jersey Department of Health, county or local health department, or by a private business entity authorized by the New Jersey Department of Health shall be required, unless the requirement for an assessment has been waived.

1. Boiler and water storage tank removal projects which require the removal of asbestos insulation from the boiler, water storage tank and piping shall not require an assessment before a permit is issued by the enforcing agency.

2. If the assessment indicates that the work and the disturbance which will result from it has made asbestos hazard abatement work necessary, then the construction official shall inform the building owner, or his agent, that all asbestos abatement work shall conform to this subchapter.

i. The work which will cause the disturbance will not be permitted to proceed until the hazard abatement work is complete or the asbestos-containing material clearly presents no further hazard.

ii. The construction official shall issue a partial permit for work which clearly will not disturb or interfere with the asbestos hazard abatement work.

Amended by R.1986 d.143, effective May 5, 1986.

See: 18 N.J.R. 378(a), 18 N.J.R. 949(a).

Recodified from 8.15 and (b) substantially amended. Old 8.16 has been repealed.

Amended by R.1987 d.525, effective December 21, 1987.

See: 19 N.J.R. 902(a), 19 N.J.R. 2389(a).

Added text in (b) "county or local ..."; added new (b)1 and renumbered old (b)1 to 2.

Amended by R.1989 d.342, effective July 3, 1989.

See: 20 N.J.R. 1130(b), 21 N.J.R. 1844(b).

Recodified old 8.17 as new 8.18. Section 8.17 was formerly "Asbestos safety control monitor".

Recodified from 5:23-8.17 by R.1993 d.198, effective June 7, 1993.

See: 24 N.J.R. 1422(a), 25 N.J.R. 2519(b).

Prior text at section, "Variations," recodified as 5:23-8.4.

5:23-8.7 Inspections; violations

(a) Pre-commencement inspections shall be conducted as follows:

1. Notification in writing to the Asbestos Safety Control Monitor shall be made by the applicant or contractor to request a pre-commencement inspection at least 48 hours in advance of the desired date of inspection. This inspection shall be requested each time another work area is started in a multi-phase project.

2. The asbestos safety technician shall ensure that:

i. The work area is properly prepared and that all containment measures are in place pursuant to this subchapter;

ii. All workers shall present to the asbestos safety technician a valid work permit issued by the New Jersey Department of Labor;

iii. Measures for the disposal of removed asbestos material are in place and shall conform to the adopted standards;

iv. The contractor has a list of emergency telephone numbers at the work area which shall include the asbestos safety control monitor firm employed by the building owner and telephone numbers for fire, police, emergency squad, local hospital and health officer, New Jersey Department of Labor and New Jersey Department of Health and New Jersey Department of Community Affairs.

3. If all is in order, the asbestos safety technician, shall issue a written notice to proceed with the asbestos abatement in the field. If the project site is not in order, then any needed corrective action must be taken before any work is to commence. Conditional approval shall not be granted.

4. The Department reserves the right to make a pre-commencement inspection in addition to the required pre-commencement inspection conducted by the asbestos safety technician before a written notice to proceed is issued.

(b) Progress inspections shall be conducted as follows:

1. Primary responsibility for ensuring that the asbestos abatement work progresses in accordance with this subchapter rests with the asbestos safety technician. This asbestos safety technician shall continuously be present to observe the progress of work and perform required inspections and tests.

2. If the asbestos safety technician observes irregularities at any time, the asbestos safety technician shall direct such corrective action as may be necessary.

3. Where a sealant is required to be applied after removal, a pre-sealant inspection shall be conducted to ensure that all asbestos-containing material has been removed properly before the sealant is applied. If the pre-sealant inspection is acceptable to the asbestos safety technician, he should indicate this acceptance in writing.

(c) Clean-up inspections shall be conducted as follows:

1. Notice for clean-up inspection shall be requested by the contractor at least 48 hours in advance of the desired date of inspection;

2. The clean-up inspection shall be conducted prior to the removal of the critical barriers;

3. The asbestos safety technician shall ensure that:

i. The project site has been properly cleaned and is free of all visible dust and asbestos and asbestos-containing material; and

ii. All abated asbestos-containing material has been properly placed in a locked secure container outside of the work area.

4. If all is in order, and acceptable air results have been achieved, the asbestos safety technician shall issue a written notice of authorization to remove barriers from the work area.

(d) Final inspections shall be conducted as follows:

1. Upon notice by the owner or by the contractor and within 48 hours after the removal of the critical barriers, a final inspection shall be made to ensure the absence of any visible signs of asbestos or asbestos-containing materials and that all removed asbestos and asbestos contaminated materials have been properly disposed of off-site in accordance with the rules of the New Jersey Department of Environmental Protection and Energy, N.J.A.C. 7:26-1, which is referenced in N.J.A.C. 5:23-8.22.

2. The Department reserves the right to make a final inspection in addition to the required final inspection conducted by the asbestos safety technician before a certificate of occupancy is issued by the enforcing agency.

(e) The Department inspections shall be conducted as follows:

1. The Department shall make scheduled and/or unannounced periodic inspections of any work area involving asbestos abatement work for the purpose of enforcing this subchapter.

(f) Violations: The asbestos safety technician shall ensure that the work conforms to this subchapter. If it is found that the asbestos abatement work is being conducted in violation of this subchapter, the asbestos safety technician shall direct such corrective action as may be necessary. If the contractor fails to comply with the corrective action required, or if the contractor or any of their employees habitually and/or excessively violate the requirements of any rule, then the asbestos safety technician shall order, in writing, that the work be stopped. If the contractor fails to comply with the order, then the asbestos safety technician shall notify the enforcing agency, which shall issue a stop work order to the contractor, have the work area secured until all violations are abated, and assess a penalty of \$500.00 which shall not be reduced or settled for any reason.

Amended by R.1986 d.143, effective May 5, 1986.

See: 18 N.J.R. 378(a), 18 N.J.R. 949(a).

Substantially amended.

Amended by R.1987 d.525, effective December 21, 1987.

See: 19 N.J.R. 902(a), 19 N.J.R. 2389(a).

Added New Jersey Department of Community Affairs.

Amended by R.1989 d.342, effective July 3, 1989.

See: 20 N.J.R. 1130(b), 21 N.J.R. 1844(b).

Recodified old 8.7 as new 8.8 with various stylistic changes. Section 8.8 was formerly "Certificate of occupancy; certificate of completion".

In (a): added new 4.

In (d): added new 2.

In (f): revised language to specify order procedures regarding violations.

Administrative correction to (a)2.

See: 21 N.J.R. 3747(a).

Recodified from 5:23-8.8 and amended by R.1993 d.198, effective June 7, 1993.

See: 24 N.J.R. 1422(a), 25 N.J.R. 2519(b).

Prior text at section, "Construction permit for asbestos abatement," recodified as 5:23-8.5.

5:23-8.8 Certificate of occupancy; certificate of completion

(a) Certificate of occupancy requirements are as follows:

1. It shall be unlawful to re-occupy the portion of a building that was vacated during an asbestos hazard abatement project until a certificate of occupancy has been issued by the enforcing agency. The certificate of occupancy shall be issued upon receipt of a certificate of completion issued by the asbestos safety control monitor and verified by the enforcing agency that the building or a portion of a building is in conformance with all applicable requirements of the Uniform Construction Code and that any walls, floors, trim, doors, furniture or other items damaged during the work shall be repaired or refinished to match existing materials.

2. The application for a certificate of occupancy shall be in writing and submitted in such form as the Department may prescribe and shall be accompanied by the required fee as provided for in this subchapter.

i. The application shall include the following:

(1) The name and address of the owner;

2. Once authorized, the asbestos safety control monitor shall pay a fee of six percent of the gross revenue earned solely from asbestos safety control monitoring activities. This fee shall be payable quarterly, accompanied by a completed form prescribed by the Department, and is due within one month of the close of the indicated quarter according to the following schedule: First quarter—January 1 to March 31; second quarter—April 1 to June 30; third quarter—July 1 to September 30; and, fourth quarter—October 1 to December 31. The monies obtained from the preparation of plans and specifications and payments for laboratory services shall not be included in the calculation of this quarterly fee.

3. Reauthorization fee: Any asbestos safety control monitor submitting an application to the department under this subchapter for reapproval as an asbestos safety control monitor shall pay a fee of \$1,750.

New Rule R.1986 d.143, effective May 5, 1986.

See: 18 N.J.R. 378(a), 18 N.J.R. 949(a).

Amended by R.1987 d.490, effective November 16, 1987.

See: 19 N.J.R. 1684(a), 19 N.J.R. 2134(a).

Fee raised from \$1,000 plus five percent to \$1,250 plus six percent.

Amended by R.1987 d.525, effective December 21, 1987.

See: 19 N.J.R. 902(a), 19 N.J.R. 2389(a).

Substantially amended.

Correction: Asbestos safety control monitor fee raised from \$2,000 to \$2,500 equal to six not five percent and reapproval fee raised from \$1,000 to \$1,250 equal to six not five percent.

See: 20 N.J.R. 1115(a).

Amended by R.1989 d.342, effective July 3, 1989.

See: 20 N.J.R. 1130(b), 21 N.J.R. 1844(b).

Recodified old 8.17 to new 8.18, with minor stylistic changes throughout. Section 8.18 was formerly "Asbestos safety technician: certification requirements". In (a)4iii: Revised text to specify program that testing laboratories are required to participate.

Amended by R.1991 d.181, effective April 1, 1991.

See: 23 N.J.R. 257(b), 23 N.J.R. 1029(a).

In (h)1, authorization fee increased from \$2,500 to \$3,250. In (h)2, reauthorization fee increased from \$1,250 to \$1,625.

Amended by R.1992 d.392, effective October 5, 1992.

See: 24 N.J.R. 2657(a), 24 N.J.R. 3521(b).

Fees increased.

Recodified from 5:23-8.18 by R.1993 d.198, effective June 7, 1993.

See: 24 N.J.R. 1422(a), 25 N.J.R. 2519(b).

Prior text at section, "Precautions and procedures during a large asbestos hazard abatement project", recodified as 5:23-8.15.

Administrative Correction.

See: 26 N.J.R. 4760(a).

Case Notes

Inability to travel due to weather did not exonerate asbestos safety technician from being held responsible for deficiencies previously left at work site. Department of Community Affairs v. Stewart, 95 N.J.A.R.2d (CAF) 62.

5:23-8.12 Application of asbestos

(a) This section shall apply to the application of asbestos, except as provided in (a)1 below.

1. This section shall not apply to asbestos materials which are applied in solid, non-friable form, such as floor tiles or cement pipe.

(b) The requirements of this section are set forth in order to prevent the contamination of the building environment which may be caused by improperly performed asbestos application work.

1. No person may cause or allow surface coating by spraying on any building structure, facility, installation or internal or external portion thereof, using asbestos or any friable material containing in excess of 0.25 percent by weight of asbestos. See N.J.A.C. 7:27-17.

2. The direct application of asbestos material during construction or renovation of structures, facilities or installations by means such as troweling by hand shall be prohibited.

3. The only permissible applications of asbestos-containing materials during construction or renovation of structures, facilities or installations shall be those in which the asbestos is securely bound into a solid matrix before the application is performed, such as floor tiles in which asbestos is a minor component.

Amended by R.1986 d.143, effective May 5, 1986.

See: 18 N.J.R. 378(a), 18 N.J.R. 949(a).

Substantially amended.

Amended by R.1987 d.525, effective December 21, 1987.

See: 19 N.J.R. 902(a), 19 N.J.R. 2389(a).

Substantially amended.

Amended by R.1989 d.342, effective July 3, 1989.

See: 20 N.J.R. 1130(b), 21 N.J.R. 1844(b).

Recodified old 8.11 as new 8.12, changing abatement "job" to "project" throughout with stylistic changes. Section 8.12 was formerly "Asbestos encapsulation and enclosure".

Amended by R.1986 d.143, effective May 5, 1986.

See: 18 N.J.R. 378(a), 18 N.J.R. 949(a).

Recodified from 8.17.

Amended by R.1989 d.342, effective July 3, 1989.

See: 20 N.J.R. 1130(b), 21 N.J.R. 1844(b).

Recodified old 8.19 to new 8.20. Section 8.20 was formerly "Appeals".

Recodified from 5:23-8.20 by R.1993 d.198, effective June 7, 1993.

See: 24 N.J.R. 1422(a), 25 N.J.R. 2519(b).

Prior text at section, "Precautions and procedures during a small asbestos hazard abatement project", repealed.

5:23-8.13 Pre-project procedures

Before an asbestos abatement project begins, the owner shall have evaluated whether or not the scope of work for a specific project will require that all surfaces in the work area are to be HEPA vacuumed and/or wet-wiped. This is in order to remove any dust which may contain asbestos and might, therefore interfere with the final inspection and final air clearance level needed to reoccupy the building. The surfaces to be cleaned shall include, but not be limited to, all horizontal and vertical surfaces and such inside spaces as room ventilators, storage lockers, and utility and storage closets. The cleaning shall be accomplished by trained employees of the building owner as delineated in this subchapter before the asbestos abatement project begins or it shall be made part of the scope of work of an asbestos abatement project to be completed by the licensed contractor.

New Rule. R.1989 d.342, effective July 3, 1989.

See: 20 N.J.R. 1130(b), 21 N.J.R. 1844(b).

Section 8.3 formerly was "Enforcement; licensing; special technical services".

Recodified from 5:23-8.3 by R.1993 d.198, effective June 7, 1993.

See: 24 N.J.R. 1422(a), 25 N.J.R. 2519(b).

Prior text at section, "Asbestos encapsulation and enclosure", recodified as 5:23-8.16.

5:23-8.14 Operations and maintenance activities

Operations and maintenance activity, as defined in N.J.A.C. 5:23-8.2, involves asbestos abatement work that may be performed without application or notice to the enforcing agency. Mechanical, electrical, plumbing or general construction work that involves the incidental disturbance of asbestos-containing material shall also be considered an operations and maintenance activity. Examples include, but are not limited to, corrective action which includes removal, repair, encapsulation and enclosure of asbestos-containing insulation on pipes, beams, walls or ceilings, etc.; disturbance or routine maintenance activities which may involve asbestos-containing material; clean up of asbestos debris from a floor; and maintenance activities that may include the removal of asbestos-containing material, if required in the performance of another maintenance activity not intended as asbestos abatement, or minor repairs to damaged insulation which do not require removal. The stabilization of any amount of asbestos-containing materials used to cover piping, boilers, tanks, structural members, or similar equipment by applying duct tape, re-wettable glass cloth, canvas, cement, or other sealable material to seal exposed areas where asbestos fibers may be released, shall also constitute an operations and maintenance activity. Asbestos hazard abatement projects shall not be broken down into smaller component parts in order to qualify as an operation and maintenance activity.

(b) Specific records of each operations and maintenance activity shall be kept on file at a central location by the owner of the facility and shall be open for review and audit by the enforcing agency and for public inspections during normal business hours.

1. The information required shall be:
 - i. Location/name/number of building;
 - ii. Exact locations of the work area within the building;
 - iii. Type of abatement work conducted;
 - iv. Scope of work;
 - v. Type of replacement material used (if applicable);
 - vi. Date;
 - vii. Name(s) and address(es) of personnel; and
 - viii. Location of the disposal site.

(c) A certificate of occupancy or completion is not required for an operations and maintenance activity.

(d) Requirements concerning wetting methods are as follows:

1. Wetting methods shall be used whenever asbestos-containing materials are disturbed.
2. Asbestos materials shall be wetted using amended water applied by means of an airless sprayer to minimize the disturbance of asbestos-containing material. Asbestos-containing materials shall be wetted from the initiation of the maintenance or renovation operation that disturbs asbestos-containing material. The wetting agents shall be used continually throughout the work period to ensure that any dry asbestos-containing material exposed in the course of the work is water-soaked and remains wet until final disposal.

(e) Asbestos-containing material shall be disposed of as specified in N.J.A.C. 5:23-8.22.

Amended by R.1986 d.143, effective May 5, 1986.

See: 18 N.J.R. 378(a), 18 N.J.R. 949(a).

Added text to (a) "Mechanical, electrical, plumbing ... hazard abatement job"; deleted text in (a)1 "although asbestos abatement ... to N.J.A.C. 5:23-2." and added "Although the enclosure ... to N.J.A.C. 5:23-2."

Amended by R.1987 d.525, effective December 21, 1987.

See: 19 N.J.R. 902(a), 19 N.J.R. 2389(a).

Deleted text in (a) "This work requires ... job takes place." Added (b) and (c).

Amended by R.1989 d.342, effective July 3, 1989.

See: 20 N.J.R. 1130(b), 21 N.J.R. 1844(b).

Recodified old 8.4 as new 8.5 and changed "abatement job" to "abatement project." Section 8.5 was "Variations".

In (a): Revised language and added text to define work involved in project.

In (b): Added language regarding the wearer of a respirator.

Recodified old (c) in the new (d), with stylistic changes. Added new (c)1-4 and new (e).

Recodified from 5:23-8.5 by R.1993 d.198, effective June 7, 1993.

See: 24 N.J.R. 1422(a), 25 N.J.R. 2519(b).

Prior text at section, "Glove bag technique", recodified as 5:23-8.17, "Limited containment removals".

5:23-8.15 Asbestos hazard abatement projects

(a) No asbestos hazard abatement work including preparation shall be performed or continued without having a certified asbestos safety technician at the work area.

(b) Protective clothing, equipment, and general procedures for asbestos abatement shall be subject to the following requirements:

1. Only authorized personnel shall be permitted in the work area. The contractor shall provide the required respirators and protective clothing to all who may inspect or visit the work area;

2. The protective clothing and equipment requirements set forth in this section shall be used to prevent the contamination by persons engaged in asbestos abatement projects of areas and buildings accessible to or used by the public;

3. All persons entering the work area shall wear protective clothing. All clothing worn during removal opera-

tions shall be disposed of as contaminated waste. The requirement that clothing be disposed of as contaminated waste shall not include rubber boots, respirators, eye protection, hard hats, and other protective clothing, which can be easily cleaned.

4. Polyethylene bags shall be six mil thick and of sufficient size for their intended use;

5. All tape, spray-on adhesives, glove bags, glue, and other materials used in the abatement process shall be of sufficiently high quality to serve their intended purpose;

6. The contractor shall have available sufficient inventory of protective clothing, respirators, filter cartridges, polyethylene sheeting, duck tape, spray-on adhesives, and air filters. Sufficient personal protective equipment shall be available for usage by authorized personnel;

7. The contractor shall have available shower stall(s) and sufficient plumbing for these showers including hot and cold running water and sufficient hose length and drain systems or an acceptable alternate such as a portable decontamination trailer with showers. Waste shower water shall be added to asbestos-contaminated waste material before disposal in a permitted asbestos waste landfill or it shall be solidified using an approved polymer to prevent leaks or accidental spills within a facility or during transport for disposal to a permitted asbestos waste landfill or it shall be filtered using a five μ filter and disposed of in the sanitary drain, if allowed by local treatment works by regulation or as allowed by permit;

8. The contractor shall have available adequate ladders and/or scaffolds and sufficient temporary lighting equipped with ground fault circuit interruptors for the asbestos safety technician and all others who may inspect the work;

9. The contractor shall have available HEPA filter equipped air filtering equipment capable of filtering asbestos fibers to 0.3 μ at 99.97 percent efficiency and of sufficient quantity and capacity to cause a complete air change or total air filtration within the work area at least once every 15 minutes. Nothing in this subchapter shall be construed to limit the maximum exhaust capacity from the work area. If the situation warrants, the specifications for the abatement project may require additional air changes per hour. The exhaust capacity from the work area shall be sufficient to establish a pressure differential between the work area and all adjacent spaces greater than or equal to 0.03 inches w.c. for unoccupied buildings and greater than or equal to 0.05 inches w.c. for occupied buildings.

i. Pressure differential shall be monitored by digital manometers with continuous printout or other approved low pressure monitoring devices. The asbestos safety technician shall zero and level the gauges each time a reading is taken.

ii. One or more separate pressure monitoring systems shall be installed by the asbestos safety control monitor firm near the entrance(s) to the work area and between the work area and any interior spaces from which make-up air is drawn.

iii. In unoccupied buildings, if the pressure differential drops below 0.01 inches w.c., the asbestos safety technician and the contractor supervisor shall investigate and evaluate the engineering controls to determine the source of the pressure loss and the contractor shall institute corrective action as indicated.

iv. In occupied buildings, the procedures set forth in N.J.A.C. 5:23-8.19 shall be followed.

10. Air shall flow into the work area through all openings, including the decontamination chamber and waste exit ports, any areas in the work area where air leakage may occur, and other controlled makeup air inlets. Air shall exhaust through the air pressure differential filtration unit by means of flexible or solid duct leading outside the building. The air-filtering equipment should be positioned at a maximum distance from the decontamination chamber to maximize filtration of airborne fibers. Sufficient air shall be exhausted by an approved HEPA equipped vacuum truck or HEPA equipped air filtration units when necessary to provide air pressure differential. Air filtration units shall be in operation at all times;

11. Asbestos-containing material shall be disposed of as specified in N.J.A.C. 5:23-8.22.

(c) Decontamination procedures are as follows:

1. The contractor shall provide an adequate decontamination unit consisting of a serial arrangement of rooms or spaces adjoining the work area or a decontamination trailer. Each airlock shall be clearly identified and separated from the other by polyethylene crossover sheet doors designed to minimize fiber and air transfer as people pass between areas. A minimum of two layers of polyethylene sheeting shall be required for floors, walls, and the ceiling for on-site constructed decontamination units. Polyethylene crossover sheet doors shall have at least three layers of polyethylene sheeting and be weighted so as to fall into place when people pass through the area. Decontamination chamber doors shall be of sufficient height and width to enable replacement of equipment that may fail and to safely stretch or carry an injured worker from the site without destruction of the chamber or unnecessary risk to the integrity of the work area. Such doors must be at least four feet wide, and the distance between sets of doors must be at least four feet.

i. As an alternative to the use of polyethylene crossover sheet doors, any other suitable method to accomplish this end shall be acceptable, if it is approved by the asbestos safety control monitor. Alternative doors shall provide for adequate exiting in accordance with the building subcode of the Uniform Construction Code.

2. The decontamination areas shall consist of the following:

i. Clean room: In this room persons remove and leave all street clothes and put on clean disposable coveralls. Appropriate NIOSH approved respiratory protection equipment is also picked up in this area. No asbestos contaminated items are permitted in this room.

ii. Shower room: This is a separate room used for transit by cleanly dressed people entering the work area from the clean room and for showering by them after they have undressed in the equipment room. This is a contaminated area.

iii. Equipment room: Work equipment, footwear, and all other contaminated work clothing shall be stored here. This is also a change and transit room for people. All areas between the shower room and work area shall be considered part of the equipment room. This is a contaminated area.

3. In order to prevent contamination of the environment, the contractor shall be responsible for controlling access at the work area and shall maintain a daily log of personnel entering the work area. A list of names of workers shall be posted with their start and stop times for each day. In addition, the contractor shall ensure that all persons who enter the work area shall observe the following work area entry and exit procedures:

i. Person enters clean room and removes street clothing, puts on protective clothing and a respirator, and passes through shower room into equipment room.

ii. Any additional required clothing and equipment previously deposited in the equipment room is put on.

iii. Person proceeds to work area.

iv. Before leaving the work area, the person shall remove all gross contamination and debris from the coveralls using a vacuum with a high efficiency particulate air (HEPA) filter. In practice, this is usually carried out by one person assisting another.

v. The person then proceeds to equipment room and removes all clothing except approved respirators. Extra clothing may be stored in contaminated end of the unit. Disposable coveralls are placed in a bag for disposal with other material.

vi. The person then proceeds directly into the shower room. Respirators shall be taken off last to prevent inhalation of fibers during removal of contaminated clothing, and shall not be removed until they have been washed free of dust.

vii. After showering, the person moves to the clean room and dresses in street clothing prior to exiting.

viii. Respirators are picked up, washed thoroughly, and disinfected as required, wrapped and stored in the clean room.

4. The contractor shall ensure that filters in cartridge type respirators used during the preparation and abatement phase of the project are removed, wetted, and discarded as contaminated waste. All new filters shall be in place in the respirator prior to reuse. For powered air purifying respirators or supplied air respirators, the manufacturer's instructions shall be followed about the proper decontamination sequence.

5. There shall be no smoking, eating, or drinking in any contaminated areas (shower room, equipment room, and work area). Respirators shall be worn in all contaminated areas.

6. Nondisposable footwear shall remain inside the contaminated area until completion of the activity, and shall be thoroughly cleaned at that time.

(d) Preliminary preparations in the work area shall be conducted as follows:

1. The contractor shall provide and post in clearly visible locations, appropriate caution and/or danger signs indicating that asbestos work is being conducted and that unprotected persons should not enter;

2. Employees of the contractor permitted pursuant to N.J.A.C. 8:60 and N.J.A.C. 12:120 or persons employed by the building owner who have successfully completed a maintenance/custodial or worker training course approved by the New Jersey Department of Health shall clean with wet cloths and/or with HEPA vacuums as appropriate all objects that can be removed from the work area without disrupting the asbestos-containing material. Objects shall include, but not be limited to, furniture, equipment, drapes, and curtains. The cloths used for cleaning shall be disposed of as asbestos contaminated waste. If the room and objects within it are shown to be uncontaminated by asbestos, then other employees of the building owner or contractor may remove such objects;

3. The contractor shall install or build a decontamination facility in accordance with this section;

4. The contractor shall arrange for shutting down and sealing off all electrical, heating, cooling, and ventilating or other air handling systems. However, if approved by the asbestos safety control monitor, the lighting and the receptacles in the work area may be used if these are properly protected by ground fault circuit interruptors and can be adequately cleaned following abatement;

5. The contractor shall establish written emergency procedures to be posted within each work area. These procedures shall include plans for medical emergencies, fire evacuation, temporary loss of electrical power or water and procedures for repair and clean-up following temporary breach of containment barriers.

(e) Isolation and barrier construction in the work area shall be conducted as follows:

1. Before removing any asbestos from the work area, the contractor shall ensure that the outer perimeters of the work area have been securely sealed off from the rest of the building;

2. All vertical and horizontal surfaces except those of asbestos containing materials shall be sealed with water-tight polyethylene sheeting except as provided in (e)3 below;

3. The only permissible exception to total enclosure shall be:

- i. An entrance airlock with showers and a decontamination chamber;
- ii. A debris removal airlock to permit cleaning and removing asbestos waste;
- iii. Staircases; and
- iv. Controlled makeup air inlets into the work area.

4. Polyethylene sheeting shall be used to isolate contaminated from uncontaminated areas. This polyethylene sheeting shall be replaced or repaired immediately if torn or damaged. One layer of polyethylene sheeting shall be required for walls and two layers of polyethylene sheeting shall be used to seal open space between work areas and non-contaminated areas and for all floors. In buildings required by the Uniform Construction Code to be of noncombustible construction, all materials used to construct separation barriers must meet the Uniform Construction Code, building subcode requirements for that building and all plastics used must be flame resistant.

(f) Initial activity in the work area shall be conducted in the following order:

1. Remove filters from all heating, ventilating, and air conditioning systems. Wet the filters and place them in polyethylene bags, double bagged with visible labels, for disposal as asbestos-containing waste. Squeeze all excess air out of the bag before sealing to prevent puncture during disposal. Secure bags by twisting, taping, folding over, and sealing them with duct tape.

2. The contractor shall wet clean and/or HEPA vacuum all non-removable non-asbestos items such as radiators and suspended light fixtures in the work area, including built-in equipment; and shall cover with two layers of polyethylene sheeting taped securely in place;

3. The contractor shall detach and wet clean removable electrical, heating, and ventilating equipment and other items which may be connected to the asbestos surfaces. These items shall be removed from the work area and returned and reattached to their proper place when the work area has been decontaminated and final air testing has provided satisfactory results;

4. The contractor shall seal all floor, wall, and ceiling penetrations with suitable material such as expanding foam insulation before covering the surfaces with polyeth-

ylene sheeting. The contractor then shall seal all openings between the work area and uncontaminated areas including but not limited to, windows, doorways, elevator openings, skylights, corridor entrances, floor and sink drains, air ducts, grills, grates and diffusers with critical barriers consisting of two layers of polyethylene sheeting taped securely in place or stapled or fastened by spray-on adhesives, glue beads, or horizontal wood battens or the equivalent. Floor drains shall be sealed individually and then covered as all other floor surfaces with two layers of polyethylene sheeting. Separation barriers may be constructed to support the critical barriers. Separation barriers shall not block any required means of egress;

5. For floor covering two layers of polyethylene sheeting shall be used. The first layer of floor sheeting shall extend up the wall at least 12 inches. The second layer shall be extended up walls at least 24 inches. Sheeting shall be sized so as to minimize the number of seams necessary. No seams shall be located at the joints between walls and floors;

6. Wall sheeting shall consist of one layer of polyethylene sheeting. It shall be installed to minimize joints and shall overlap floor sheeting by at least 18 inches. No seams shall be located at the corners. Wall coverings shall be taped first to the upper most edge of the wall and shall hang straight down;

7. When a strippable coating is used in place of polyethylene sheeting, it must be manufactured for the specific application required for walls, floors, or windows.

i. When dry, the strippable coating must have a class A rating as a building material and must meet the following requirements when tested in accordance with ASTM E-84: flame spread no greater than 20, fuel contributed 0, and smoke developed no more than 110.

ii. The strippable coating shall be applied uniformly in such a manner as to achieve a minimum uniform final thickness of six mil for each layer required pursuant to this subchapter.

iii. Manufacturer's specifications shall be followed for the method of application and for the protection of the applicators and building occupants.

iv. Use of the product shall be authorized in advance by the asbestos safety control monitor firm. The material shall be delivered to the project site in unopened, factory-labeled containers.

8. As all existing ventilating systems in work area are to be sealed throughout the removal operation, an alternative system shall be utilized. Install approved HEPA equipped air filtration units with filters in place. HEPA equipped air filtration units shall be of sufficient number and capacity to ensure that total air volume is exchanged at least once every 15 minutes and an acceptable pressure differential is established and maintained. These units shall be rated by the manufacturer as to their actual

working air capacity and field tested pursuant to N.J.A.C. 5:23-8.10(d)4.

(g) Sequence of asbestos removal activities shall be as follows:

1. The asbestos-containing material shall be sprayed with water containing an additive to enhance penetration (amended water) or removal encapsulant. All wetting agents shall be tested on a small area before use to ensure effectiveness. A fine low-pressure spray of this solution shall be applied to prevent fiber disturbance preceding removal. The removal encapsulant or amended water shall be sprayed on as many times and as often as necessary to ensure that the asbestos material is adequately wetted throughout (especially that asbestos nearest the substrate) to prevent dust emission.

2. As a method of organizing the asbestos removal work, workers shall begin working on the areas nearest to the decontamination unit and work towards the HEPA equipped air filtration units. If this is not feasible, the asbestos safety control monitor firm shall approve an alternative to this requirement.

3. The wet material from each section shall be packed and sealed into labeled six mil polyethylene bags and double bagged with visible labels or placed in labeled, leak-proof containers, prior to starting the next section. Water-soaked fallen material shall be picked up while wet.

4. Contaminated material containing sharp edged items shall be cut to manageable size while adequately wet, and then placed in suitable leak-tight and puncture-proof containers or wrapped individually in two separate polyethylene sheets and double bagged.

5. Bags and drums shall be marked with the label prescribed by 40 CFR Part 61, Subpart M of the US EPA, 29 CFR 1926 of OSHA, and 49 CFR—Parts 100-199 of the US DOT Hazardous Waste Hauling regulations. The outside of all containers shall be wet-cleaned or HEPA vacuumed before leaving the work area.

6. After completion of this removal phase (stripping), all surfaces from which asbestos has been removed shall be scrubbed using nylon or bristle brushes and wet sponged or cleaned by an equivalent method to remove visible asbestos-containing material. During this work, the surfaces being cleaned shall be kept wet using amended water or a removal encapsulant. All disposable equipment shall be packaged for disposal. Containers shall be washed with amended water or a removal encapsulant and shall have all exterior particulate matter removed prior to removal from the contaminated area.

7. All accessory equipment shall be moved to the equipment room and decontaminated for removal.

8. All free water (in contaminated areas) shall be retrieved and added to asbestos-contaminated waste and/or placed in plastic lined leak-tight drums and/or solidified with an acceptable polymer or it shall be filtered using a five μ filter and disposed of in the sanitary drain, if allowed by local treatment works by regulation or as allowed by permit.

9. Final clean-up of the work area may commence.

(h) Final clean-up of the work area shall be conducted as follows:

1. The contractor shall first clean all surfaces in the work area using a fine spray or mist of amended water or removal encapsulant applied to all surfaces followed by the wet-wiping procedure using disposable cloths. These cloths shall be disposed of or rinsed thoroughly on a frequency sufficient to eliminate visible accumulation of debris. The contractor shall allow all surfaces to dry before re-entering the work area and proceeding to (h)2 below.

i. The contractor shall notify the asbestos safety technician in writing that a pre-sealant inspection is requested.

2. After completion of cleaning all surfaces in the work area and upon receiving a satisfactory pre-sealant inspection, the contractor shall spray coat all dried exposed surfaces with a sealant. The color of this coat shall be separate and distinct from the underlying substrate. The surfaces to be coated shall include surfaces from which asbestos-containing materials have been removed (such as ceilings) and polyethylene which has been used to cover walls, floors and non-removable fixtures and equipment.

3. The polyethylene sheeting used to protect floors, walls, fixtures and equipment shall be carefully removed and rolled up, with the contaminated portion on the inside, and packaged for disposal. Tape and any other debris shall also be disposed of in sealed polyethylene bags labeled as asbestos-contaminated waste.

4. Wet clean with amended water or a removal encapsulant all walls, floors, woodwork, ceilings, electric light fixtures and other surfaces. Allow all surfaces to dry and repeat procedure. Cloths or sponges used in the cleaning operation shall be disposed of as contaminated waste.

5. The polyethylene sheeting used to maintain critical barriers between work areas and clean areas such as those in doorways, windows and air vents shall be sprayed with encapsulant, but not removed until air monitoring is completed and satisfactory results have been obtained.

6. After completion of the cleaning operations the contractor shall:

i. Notify the asbestos safety technician that a clean-up inspection can be performed to ensure all visible asbestos has been removed and the area is dust free;

ii. Request final air clearance monitoring of the work area.

7. After the work area is found to be in compliance with the acceptance criteria, the following tasks shall be performed by the contractor:

i. All critical barriers shall be removed and bagged in polyethylene bags for disposal;

ii. The inside of windows shall be washed;

iii. Any walls, floors, trim, doors, furniture or other items damaged during the work shall be repaired and refinished to match existing material;

8. Notice for a final inspection shall be made by the owner or contractor to the asbestos safety control monitor.

9. Upon receiving a satisfactory final inspection, application for a Certificate of Completion may be made.

(i) Special precautions shall be implemented, where appropriate, including, but not limited to, the following examples:

1. Asbestos abatement projects involving ceiling tile and T-grid components, elevators, carpet, contaminated soil and projects in tunnels, crawl spaces, plumbing access panels, and/or involving live electrical panels or live steam lines are likely to present unique conditions that will require special precautions in addition to the procedures described in this section. In instances where special precautions need to be instituted, they shall be described in plans and specifications approved by the asbestos safety control monitor firm.

Amended by R.1986 d.143, effective May 5, 1986.

See: 18 N.J.R. 378(a), 18 N.J.R. 949(a).

Substantially amended.

Amended by R.1987 d.525, effective December 21, 1987.

See: 19 N.J.R. 902(a), 19 N.J.R. 2389(a).

Substantially amended.

Amended by R.1989 d.342, effective July 3, 1989.

See: 20 N.J.R. 1130(b), 21 N.J.R. 1844(b).

Recodified old 8.10 to new 8.11, changing abatement "job" to "project" throughout with stylistic changes. Section 8.11 formerly was "Precautions and Procedures during a small hazard abatement job".

In (g): deleted old 7 regarding air monitoring results and recodified old 8 through 10 as new 7 through 9 with no change in text.

Recodified from 5:23-8.11 and amended by R.1993 d.198, effective June 7, 1993.

See: 24 N.J.R. 1422(a), 25 N.J.R. 2519(b).

Prior text at section, "Disposal of asbestos waste", recodified as 5:23-8.22.

5:23-8.16 Asbestos encapsulation and enclosure

(a) Encapsulation constitutes spraying friable asbestos-containing material with a liquid sealant (not including paint) that helps bind the asbestos together with other material components to adhere it firmly to the building structure.

1. The requirements of this section are set forth in order to prevent the contamination of the building environment which may be caused by improperly performed asbestos encapsulation work.

i. Encapsulation shall not be performed where:

(1) Asbestos-containing material is friable, damaged, or deteriorating;

(2) Effective long-term inspection of the encapsulated site cannot be assured;

(3) The source of asbestos is highly accessible to building occupants and damage to material is possible;

(4) The asbestos-containing material does not adhere well to the substrate;

(5) There is existing or potential water damage to asbestos containing material;

(6) The asbestos-containing material is more than one inch thick; and is used to cover ceilings, walls, beams, or other structural members;

(7) The asbestos-containing material is subject to high vibration.

ii. Encapsulation may be performed when:

(1) Damage to the material is improbable;

(2) The asbestos-containing material is granular or cementitious;

(3) The encapsulating material is known to bond asbestos to the subsurface and asbestos-containing material and also retains its bonding integrity;

(4) Asbestos-containing material has been removed and loose fibers remain which should be bonded.

iii. If encapsulation is used as a method of asbestos abatement the following maintenance procedures shall be employed:

(1) A periodic monitoring and maintenance program consisting of inspection at least annually to check for damage to all encapsulated surfaces;

(2) Maintenance of records by the building owner, on the locations and condition of the encapsulated material;

(3) The removal of encapsulated asbestos when conditions change, making encapsulation no longer an appropriate method of asbestos abatement.

iv. Sealants considered for use in encapsulation shall first be tested to ensure that the sealant is adequate for its intended use. A section of the asbestos-containing material shall be evaluated following this initial test application of the sealant to quantitatively determine the sealant's effectiveness in terms of penetrating and hardening the asbestos-containing material, its toxicity, its flammability, its tolerance to disturbance or abuse, its solubility (dissolvability) in water, its effects on the acoustical properties of the asbestos-containing material, and its tolerance to top-covering paints. The United States Environmental Protection Agency, Office of Toxic Substances, has developed guidelines for the use of encapsulants on asbestos-containing materials which discuss advantages and disadvantages of encapsulation. The American Society of Testing and Materials (ASTM) Committee E06.21.06E on Encapsulation of Building Materials has developed a guidance document to assist in the selection of an encapsulant once a decision to encapsulate has been made. When a choice of an encapsulant has been made, written justification of this choice (based on the characteristics of the encapsulant, the asbestos-containing material to be encapsulated, and the substrate surface underneath the asbestos-containing material) shall be included in the job specifications, and a copy of this justification shall be available for review at the job site.

v. Before encapsulation is performed, all loose and hanging asbestos-containing material shall be removed while damp, and disposed of in accordance with this subchapter.

vi. Filler material used to repair damaged and missing areas of asbestos-containing material shall contain no asbestos, shall adhere well to the substrate and shall provide an adequate base for the encapsulating agent.

vii. Encapsulated asbestos containing materials shall be identified by signs, labels, color coding or some other mechanism to warn persons who may be required to disturb the material that asbestos is present.

viii. Where encapsulants are sprayed on asbestos-containing materials:

(1) Low pressure airless spray shall be used. The airless spray gun shall have an appropriately sized tip which shall be tested by briefly spraying the encapsulant onto a surface from approximately 12 inches away. An appropriately sized tip will spray the encapsulant in a fan approximately eight inches wide; it will also distribute the encapsulant uniformly within the fan, giving even coverage.

(2) A suitable quantity of HEPA filtration units shall be used during the encapsulation process which shall have sufficient capacity to cause one complete air exchange every 30 minutes.

(3) At least three coats of the encapsulant shall be applied to the surface of the asbestos-containing material. Each coat shall be applied in a two-step procedure. The first step is to apply a light mist coat to moisten and seal any loose fibers and keep them from breaking away from the surface. This mist coat should be applied in three or four quick passes with the gun held 18 to 24 inches from the surface. After an area of 16 to 20 square feet has been given the mist coat, a heavier coating is applied, using 8 or 10 passes with the gun held 10 and 12 inches from the material. The gun should be kept in constant motion to create a smooth and even coat. This two-step application shall be considered one coat of encapsulant. Each subsequent coat shall be applied at a 90 degree angle to the direction of the preceding coat application, to ensure complete coverage of the asbestos-containing material. When questions rise regarding drying time, curing time, dilution, or use under different weather conditions, the manufacturer's recommendations and instructions shall be consulted.

(4) All other preparation, decontamination, and work requirements and procedures used in encapsulation projects shall be the same as those used in removal projects.

ix. Sealants used in the encapsulation shall not alter the existing fire rating and shall be flame resistant and meet the flame spread and smoke generation requirements of N.J.A.C. 5:23-3 of the Uniform Construction Code.

(b) Enclosure constitutes construction of a permanent (that is, for the life of the building), air-tight, impact-resistant, solid structure of new construction materials which must be built around the asbestos covered pipe or structure to prevent the release of asbestos-containing materials into the area beyond the enclosure and to prevent these materials from casual contact during future maintenance operations. The enclosure shall not alter the existing fire rating and shall be flame resistant and meet the flame spread and smoke generation requirements of N.J.A.C. 5:23-3 of the Uniform Construction Code.

1. The requirements of this section are set forth in order to prevent the contamination of the building environment which may be caused by improperly performed asbestos enclosure work. The following procedures shall be adhered to:

i. Before constructing the enclosure, all electrical conduits, telephone lines, recessed lights, and pipes in the area shall be moved to ensure that the enclosure will not have to be reopened later for routine or emergency maintenance. If for any reason, lights or other equipment cannot be moved, removal of the asbestos-containing materials rather than enclosure shall be the appropriate control method to use;