

# **CONNECTICUT**

**STATUTES :        (4)**

**TITLE 20  
PROFESSIONAL AND OCCUPATIONAL LICENSING,  
CERTIFICATION, TITLE PROTECTION AND REGISTRATION.  
EXAMINING BOARDS  
CHAPTER 400K  
INDUSTRIAL HYGIENE AND SAFETY INSPECTOR**

**TITLE 19a  
PUBLIC HEALTH AND WELL-BEING  
CHAPTER 368I  
CARINOGENIC SUBSTANCES  
ASBESTOS**

**&**

**LEAD POISONING PREVENTION AND CONTROL  
REGULATIONS**

**TITLE 31  
LABOR  
CHAPTER 573  
OCCUPATIONAL HEALTH CLINICS**

**Terms****References**

Industrial Hygiene	3
Industrial Hygienist	0
Certified Industrial Hygienist - CIH	4
Certified Associate Industrial Hygienist	0
Construction Health and Safety Technician – CHST	0
Industrial Hygienist in Training - IHIT	3
AIHA Lab Accreditation Program	0
American Industrial Hygiene Association - AIHA	0
American Board of Industrial Hygiene - ABIH	5
American Conference of Governmental Industrial Hygienists – ACGIH	0
Occupational Health and Safety Technologist – OHST	3
Associate Safety Professional – ASP	3
Certified Safety Professional – CSP	3
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# **CONNECTICUT**

## **RULES AND REGULATIONS: (3)**

### **CONNECTICUT DEPARTMENT OF PUBLIC HEALTH LICENSURE AND TRAINING REQUIREMENTS FOR PERSONS ENGAGED IN ASBESTOS ABATEMENT AND CONSULTATION SERVICES**

### **CONNECTICUT DEPARTMENT OF PUBLIC HEALTH STANDARDS FOR LICENSURE AND CERTIFICATION OF LEAD ABATEMENT CONTRACTORS, LEAD CONSULTANTS, AND LEAD ABATEMENT PERSONNEL**

### **CONNECTICUT DEPARTMENT OF PUBLIC HEALTH ASBESTOS CONTAINING MATERIALS IN SCHOOLS**

#### **Terms**

#### **References**

Industrial Hygiene	7
Industrial Hygienist	1
Certified Industrial Hygienist - CIH	3
Certified Associate Industrial Hygienist	0
Construction Health and Safety Technician – CHST	0
Industrial Hygienist in Training - IHIT	0
AIHA Lab Accreditation Program and related	3
American Industrial Hygiene Association - AIHA	0
American Board of Industrial Hygiene - ABIH	2
American Conference of Governmental Industrial Hygienists – ACGIH	0
Occupational Health and Safety Technologist – OHST	0
Associate Safety Professional – ASP	0
Certified Safety Professional – CSP	0
Board of Certified Safety Professionals – BCSP	0

# CONNECTICUT STATUTES

[http://search.cga.state.ct.us/dtsearch\\_pub\\_statutes.asp?cmd=getdoc&DocId=16204&Index=I%3a%5czindex%5csurs&HitCount=8&hits=8+9+7b+7c+e2+e3+11d+11e+&hc=14&req=industrial+hygiene&Item=1](http://search.cga.state.ct.us/dtsearch_pub_statutes.asp?cmd=getdoc&DocId=16204&Index=I%3a%5czindex%5csurs&HitCount=8&hits=8+9+7b+7c+e2+e3+11d+11e+&hc=14&req=industrial+hygiene&Item=1)

## TITLE 20 PROFESSIONAL AND OCCUPATIONAL LICENSING, CERTIFICATION, TITLE PROTECTION AND REGISTRATION. EXAMINING BOARDS CHAPTER 400K INDUSTRIAL HYGIENE AND SAFETY INSPECTOR

**Sec 2-640. Industrial Hygiene and safety titles, use of titles restricted. Penalties. (a)**  
No person shall use the title:

(1) "**Associate safety professional**" or use in connection with his name the letters "**A.S.P.**" or any other title, word, letter or other designation intended to imply or designate that he is an **associate safety professional**, unless he is certified as such by the **Board of Certified Safety Professionals**;

(2) "**Certified industrial hygienist**" or use in connection with his name the letters "**C.I.H.**" or any other title, word, letter or other designation intended to imply or designate that he is a **certified industrial hygienist**, unless he is certified as such by the **American Board of Industrial Hygiene**;

(3) "**Certified safety professional**" or use in connection with his name the letters "**C.S.P.**" or any other title, word, letter or other designation intended to imply or designate that he is a **certified safety professional**, unless he is certified as such by the **Board of Certified Safety Professionals**;

(4) "**Industrial hygienist in training**" or use in connection with his name the letters "**I.H.I.T.**" or any other title, word, letter or other designation intended to imply or designate that he is an **industrial hygienist in training**, unless he is certified as such by the **American Board of Industrial Hygiene** ; or

(5) "**Occupational health and safety technologist**" or use in connection with his name the letters "**O.H.S.T.**" or any other title, word or other designation intended to imply or designate that he is an **occupational health and safety technologist**, unless he is certified as such by the Joint Committee of **the American Board of Industrial Hygiene** and the **Board of Certified Safety Professionals**.

(b) Any person who knowingly, wilfully or intentionally violates any provision of subsection (a) of this section shall, for a first violation, have committed an infraction and, for a second or subsequent violation, be fined not more than five hundred dollars or imprisoned not more than three months, or both.

# **CONNECTICUT STATUTES**

**[http://search.cga.state.ct.us/dtsearch\\_pub\\_statutes.asp?cmd=getdoc&DocId=14764&Index=I%3a%5czindex%5csurs&HitCount=2&hits=15e+15f+&hc=14&req=industrial+hygiene&Item=0](http://search.cga.state.ct.us/dtsearch_pub_statutes.asp?cmd=getdoc&DocId=14764&Index=I%3a%5czindex%5csurs&HitCount=2&hits=15e+15f+&hc=14&req=industrial+hygiene&Item=0)**

## **TITLE 19a**

### **PUBLIC HEALTH AND WELL-BEING**

#### **CHAPTER 368I**

#### **CARINOGENIC SUBSTANCES**

#### **ASBESTOS**

**Sec. 19a-332. Definitions: Asbestos. As used in subsection (c) of section 19a-14 and sections 19a-332 to 19a-332e, inclusive, 20-435 to 20-442, inclusive, and 52-577a:**

- (1) "Asbestos" means the asbestiform varieties of actinolite, amosite, anthophyllite, chrysotile, crocidolite and tremolite;
- (2) "Asbestos abatement" means the removal, encapsulation, enclosure, renovation, repair, demolition or other disturbance of asbestos-containing materials, but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of nonfriable asbestos-containing material found exterior to a building or structure other than material defined as regulated asbestos-containing material in 40 CFR 61, the National Emission Standards for Hazardous Air Pollutants, as amended from time to time;
- (3) "Asbestos abatement worker" means any employee of a licensed asbestos contractor who engages in asbestos abatement, has completed a training program approved by the department and has been issued a certificate by the department;
- (4) "Asbestos abatement site supervisor" means any asbestos abatement worker employed by a licensed asbestos contractor who has been specifically trained as a supervisor in a training program approved by the department and who has been issued a certificate by the department;
- (5) "Asbestos-containing material" means material composed of asbestos of any type and in an amount greater than one per cent by weight, either alone or mixed with other fibrous or nonfibrous material;
- (6) "Asbestos contractor" means any person or entity engaged in asbestos abatement whose employees actually perform the asbestos abatement work and who has been issued a license by the commissioner;
- (7) "Asbestos consultant" means any person who engages in any activity directly involved with asbestos consultation services and who has been issued a certificate by the commissioner and a license by the department;
- (8) "Asbestos consultation services" means the inspection or evaluation of a building for asbestos hazards, including, but not limited to, the development of asbestos abatement

plans, site inspections, air monitoring and provisions of **industrial hygiene** services related to asbestos abatement;

(9) "Authorized agent" means an officer or employee duly designated by the commissioner;

(10) "Commissioner" means the Commissioner of Public Health; and

(11) "Department" means the Department of Public Health.

# CONNECTICUT STATUTES

[http://www.ct.gov/dph/lib/dph/environmental\\_health/lead/pdf/LPPCREGS\\_10\\_09.pdf](http://www.ct.gov/dph/lib/dph/environmental_health/lead/pdf/LPPCREGS_10_09.pdf)

## TITLE 19a PUBLIC HEALTH AND WELL-BEING CHAPTER 368I CARINOGENIC SUBSTANCES LEAD POISONING PREVENTION AND CONTROL REGULATIONS

19a-111-1 Definitions. As used in sections 19a-111-1 thru 19a-111-11 inclusive:

- (1) "Abatement" means any set of measures designed to eliminate lead hazards in accordance with standards established pursuant to Sections 20-474 through 20-482 and subsections (e) and (f) of Section 19a-88 of the Connecticut General Statutes and regulations of Connecticut State Agencies sections 19a-111-1 through 19a-111-11 and 20-478-1 and 20-478-2 including, but not limited to, the encapsulation, replacement, removal, enclosure or covering of paint, plaster, soil or other material containing toxic levels of lead and all preparation, clean-up, disposal and reoccupancy clearance testing.
- (2) "Abatement area" means a room or area isolated with containment in accordance with subdivision 19a-111-4(c)(2) of the regulations of Connecticut State Agencies where lead abatement is occurring.
- (3) "Accessible surface" means any surface which is below five (5) feet in height or is exposed in such a way that a child can come in contact with the surface.
- (4) "Apparent lead concentration" (ALC) means the average of at least three displayed lead concentration readings taken using a direct reading type x-ray fluorescence analyzer.
- (5) "Approved training course" or "approved refresher training course" means a training course or a refresher training course, respectively, approved by the department pursuant to Section 20-477 of the Connecticut General Statutes.
- (6) "Atomic absorption spectrophotometer" (AAS) means an instrument which measures the lead content in parts per million (ppm) using a lead source lamp, a flame capable of measuring the absorbed energy and converting it to concentration.
- (7) "Biological monitoring" means the analysis of a person's blood and/or urine, to determine the level of lead contamination in the body.
- (8) "Certificate" means a document issued by the department indicating successful completion of an approved training course.
- (9) "Certified historic property" means any building, structure, or site which has been determined historic by the Connecticut Historical Commission. Historic properties must be included in or eligible for inclusion in the national or state registers of historic places.
- (10) "**Certified industrial hygienist**" means a person possessing a certificate from the **American Board of Industrial Hygiene** which indicates that they have specific

academic credentials, five years professional experience in industrial hygiene, and have passed an examination given by the **American Board of Industrial Hygiene.**

# CONNECTICUT STATUTES

[http://search.cga.state.ct.us/dtsearch\\_pub\\_statutes.asp?cmd=getdoc&DocId=20870&Index=I%3a%5czindex%5csurs&HitCount=2&hits=df+e0+&hc=14&req=industrial+hygiene&Item=2](http://search.cga.state.ct.us/dtsearch_pub_statutes.asp?cmd=getdoc&DocId=20870&Index=I%3a%5czindex%5csurs&HitCount=2&hits=df+e0+&hc=14&req=industrial+hygiene&Item=2)

## TITLE 31 LABOR CHAPTER 573 OCCUPATIONAL HEALTH CLINICS

### **Sec. 31-397. Grants-in-aid to occupational health clinics.**

(a) The Labor Commissioner, in consultation with the Commissioner of Public Health, shall encourage the development of occupational health clinics by making grants-in-aid to public and nonprofit organizations. Such grants-in-aid shall be used to facilitate the development and operation of such clinics, including, but not limited to, preproject development, site acquisition, development, improvement and operating expenses. Such grant-in-aid may be used for activities involved in occupational disease evaluation, treatment and prevention, particularly when such activities are not compensated by other sources. Such grants-in-aid shall not be used to compensate any occupational health clinic for any activities which could be included in a corporate medicine or employee wellness program, as defined in subdivision (3) of section 31-396. The commissioner shall consult with the Occupational Health Clinics Advisory Board prior to making any such grant.

(b) For an organization to qualify for a grant-in-aid under sections 31-396 to 31-403, inclusive, the occupational health clinic to be operated shall meet all of the following criteria: (1) Clinical directorship by a board certified or board eligible occupational health physician; (2) membership in, application to or plans for application to the Association of Occupational and Environmental Clinics; (3) availability of **industrial hygiene** or related services; (4) current involvement in or willingness to assist in the training of occupational health professionals; (5) capability to comply with the surveillance requirements and recommendations outlined in the report on Occupational Disease in Connecticut of 1989; (6) agreement to work with the Department of Public Health and the Labor Department to reduce the burden of occupational disease; (7) provision of assistance and medical consultative services to Connecticut OSHA; (8) cooperation with the Department of Public Health, Labor Department, Workers' Compensation Commission and state Insurance Commissioner to transfer granted occupational medicine costs to appropriate insurance and other private funding mechanisms; (9) agreement to attempt to educate medical professionals on use of the surveillance system; (10) agreement to compile and report surveillance data; and (11) cooperation with the Department of Public Health,

Labor Department, Workers' Compensation Commission and state Insurance  
Commissioner to carry out the purposes of sections 31-396 to 31-403, inclusive.

# **CONNECTICUT RULES/REGULATIONS**

**[http://www.ct.gov/dph/lib/dph/agency\\_regulations/sections/pdfs/title\\_20\\_professional\\_licensing/20-57\\_licensure\\_and\\_training\\_requirements.pdf](http://www.ct.gov/dph/lib/dph/agency_regulations/sections/pdfs/title_20_professional_licensing/20-57_licensure_and_training_requirements.pdf)**

## **CONNECTICUT DEPARTMENT OF PUBLIC HEALTH LICENSURE AND TRAINING REQUIREMENTS FOR PERSONS ENGAGED IN ASBESTOS ABATEMENT AND CONSULTATION SERVICES**

### **Sec. 20-440-1. Definitions**

As used in sections 20-440-1 through 20-440-9 of the Regulations of Connecticut State Agencies:

(10) "Asbestos consultation services" means the inspection or evaluation of a building for asbestos hazards, including, but not limited to, the development of asbestos abatement plans, site inspections, air monitoring and provisions of **industrial hygiene** services related to asbestos abatement;

### **20-440-3. Licensure and certification of asbestos consultants**

(1) Inspector

(B) Qualifications. Applicants shall hold either an associate's or a bachelor's degree from a regionally accredited institution in engineering, architecture, **industrial hygiene** or an environmental science degree as determined by the commissioner to be closely related, including but not limited to environmental health, biology, and earth science. Applicants shall have a minimum of six months employment experience in an occupation determined by the commissioner to be closely related to that of an inspector or two months of field experience under the direct supervision of a licensed inspector or licensed management planner. Applicants shall have successfully completed the required training as set forth in subdivision 20-440-7(c)(4) or refresher training requirements outlined in section 20-441 of the regulations of Connecticut State Agencies.

(2) Management planner

(B) Qualifications. Applicants shall hold a bachelor's degree from a regionally accredited institution in engineering, architecture, **industrial hygiene** or an environmental science degree as determined by the commissioner to be closely related, including but not limited to environmental health, biology, and earth science. Applicants shall have a minimum of six months experience in asbestos abatement, including experience in asbestos management or three months of field experience under the supervision of a licensed asbestos consultant certified as a management planner. Applicants shall have successfully

completed training requirements as set forth in subdivision 20-440-7(c)(5) of the regulations of Connecticut State Agencies and be certified as an Inspector.

(3) Project Designer

(B) Qualifications. Applicants shall hold a bachelor's degree from a regionally accredited institution in engineering, architecture, **industrial hygiene** or an environmental science degree as determined by the commissioner to be closely related, including but not limited to environmental health, biology, and earth science. Applicants shall have a minimum of one year experience in asbestos abatement, including experience in asbestos abatement design or six months field experience under the supervision of a licensed asbestos consultant certified as a project designer. Applicants shall have successfully completed the training requirements as set forth in subdivision 20-440-7(c)(6) of the regulations of Connecticut State Agencies.

(4) Project Monitor

(B) Qualifications. Applicants shall hold either an associate's or a bachelor's degree from a regionally accredited institution in engineering, architecture, **industrial hygiene** or an environmental science degree as determined by the commissioner to be closely related, including but not limited to environmental health, biology, and earth science. Applicants shall have a minimum of one year experience in asbestos abatement, including experience in asbestos abatement project monitoring or six months field experience under the supervision of a licensed asbestos consultant certified as a project monitor. Applicants shall have successfully completed the training requirements as set forth in subdivision 20-440-7(c)(7) of the regulations of Connecticut State Agencies.

**20-440-7. Training requirements**

(5) Management planners: an individual seeking certification in this discipline shall successfully complete the training program as described in subdivision (c)(4) of this section, and successfully complete a two day management planner training course consisting of lectures, demonstrations, course review and a written examination.

Successful completion of the course shall be demonstrated by achieving a score of at least seventy percent on the examination. The examination shall be comprised of fifty multiple choice questions. The course shall address but not be limited to the following topics:

(F) role of other professionals: use of **industrial hygienists**, engineers and architects in developing technical specifications for response actions; any requirements that may exist or architect sign-off of plans; and team approach to design of high-quality job specifications;

(6) Project designers: An individual seeking certification in this discipline shall successfully complete a course of instruction of three days duration consisting of lectures, demonstrations, individual respirator fit testing, a field trip, course review and written examination. Successful completion of the course shall be demonstrated by achieving a score of at least seventy percent on the examination. The examination shall be comprised of one hundred multiple choice questions. The course shall address the following topics:

(Q) role of other consultants: development of technical specification sections by

**industrial hygienists** or engineers; the multidisciplinary team approach to abatement design;

# CONNECTICUT RULES/REGULATIONS

[http://www.ct.gov/dph/lib/dph/agency\\_regulations/sections/pdfs/title 20. profession  
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58. standards for licensure and certification of lead abatement.pdf](http://www.ct.gov/dph/lib/dph/agency_regulations/sections/pdfs/title_20_professional_licensing/20-58_standards_for_licensure_and_certification_of_lead_abatement.pdf)

## CONNECTICUT DEPARTMENT OF PUBLIC HEALTH STANDARDS FOR LICENSURE AND CERTIFICATION OF LEAD ABATEMENT CONTRACTORS, LEAD CONSULTANTS, AND LEAD ABATEMENT PERSONNEL

### **Sec. 20-478-1. Definitions**

As used in section 20-478-2:

(3) "**Certified industrial hygienist**" means a person possessing a certificate from the **American Board of Industrial Hygiene** which indicates that they have specific academic credentials, five years professional experience in **industrial hygiene**, and have passed an examination given by the **American Board of Industrial Hygiene**.

### **20-478-2. Qualifications for licensure and certifications**

Experience and educational requirements for consultants

(a) Experience and educational requirements for consultants. An individual may be certified as a lead consultant in any of the following disciplines: inspector; inspector risk assessor; planner-project designer. An applicant for a consultant certificate shall complete an approved training course and pass the course examination as specified in subsection (d) of Section 20-477 of the Connecticut General Statutes for the appropriate discipline. Alternatively, an applicant for certification as a lead inspector who is a **certified industrial hygienist** and possesses experience in lead inspection and lead hazard identification shall complete a lead inspector refresher approved training course and pass the course examination as specified in subsection (d) of Section 20-477 of the Connecticut General Statutes. In addition, an applicant for certification as an inspector risk assessor shall:

(1) have completed a minimum of twenty-five (25) inspections over at least a three (3) month period as a certified or licensed lead inspector or one (1) year experience in a related field including, but not necessarily limited to, lead, asbestos, radon or other environmental remediation work and;

(2) meet one (1) of the following criteria:

(A) have a baccalaureate degree from an accredited institution of higher education, and at least one (1) year of experience in a related field as defined in subdivision (1) of this subsection; or

(B) be a **certified industrial hygienist**, or be licensed, registered or certified as an engineer, architect or in a related scientific field or be registered as a sanitarian; or

(C) have a high school diploma or equivalency and at least two (2) years of

experience in a related field, as defined in subdivision (1) of this subsection.

## **CONNECTICUT RULES/REGULATIONS**

**[http://www.ct.gov/dph/lib/dph/agency\\_regulations/sections/pdfs/title\\_19a\\_public\\_health\\_and\\_well-being/19a-44\\_standards\\_for\\_asbestos\\_abatement.pdf](http://www.ct.gov/dph/lib/dph/agency_regulations/sections/pdfs/title_19a_public_health_and_well-being/19a-44_standards_for_asbestos_abatement.pdf)**

### **CONNECTICUT DEPARTMENT OF PUBLIC HEALTH** **ASBESTOS CONTAINING MATERIALS IN SCHOOLS**

#### **19a-332a-12. Post abatement reoccupancy criteria for asbestos abatement projects for friable asbestos-containing material**

- (a) No individual shall reoccupy the work area of an asbestos abatement project within a facility until compliance with the reoccupancy requirements of this section is achieved.
- (b) Except as required by EPA Regulation 40 CFR Part 763 which applies to public and private schools, an asbestos abatement project shall be considered complete when there is no visible residue in the work area and when air samples demonstrate that the ambient interior airborne concentration of asbestos after the abatement project, does not exceed the levels specified in Subsection 19a-332a-12 (e).
- (c) Air samples shall be collected using aggressive sampling as described in Appendix A of 40 CFR Part 763, subpart E to monitor air for post abatement reoccupancy after each asbestos abatement project.
- (d) Air samples collected under this Section shall be analyzed for asbestos using laboratories accredited by the National Institute of Standards and Technology to conduct such analysis using transmission electron microscopy (TEM) or: Under circumstances specified in this section, laboratories accredited by the **American Industrial Hygiene Association Proficiency Analytical Testing Program** for phase contrast microscopy (PCM); or individuals listed in the **American Industrial Hygiene Association's Asbestos Analyst's Registry**, or until the National Institute of Standards and Technology TEM laboratory accreditation program is operational, laboratories that use the protocol described in Appendix A of 40 CFR Part 763, Subpart E.

#### **19a-333-7. Response action**

- (h) Completion of response actions
- (1) At the conclusion of any action to remove, encapsulate, or enclose ACM or material assumed to be ACM, an accredited person designated by the local education agency shall visually inspect each functional space where such action was conducted to determine whether the action has been properly completed.
- (2) An accredited person designated by the local education agency shall collect air samples using aggressive sampling as described in Appendix A to 40 CFR Part 763 Subpart E, as amended, to monitor air for clearance after each removal, encapsulation,

and enclosure project involving ACBM, except for projects that are spot repairs as defined in section 19a-332a-1 of the regulations of Connecticut State Agencies.

(3) Local education agencies shall have air samples collected under this section analyzed for asbestos using laboratories accredited by the National Institute of Standards and Technology to conduct such analysis using transmission electron microscopy (TEM) or, under circumstances permitted in this section, laboratories enrolled in the **American Industrial Hygiene Association Proficiency Analytical Testing Program** for phase contrast microscopy (PCM).