

external inspection, or hydrostatic pressure test and shall order such changes or repairs as will place the boiler in a safe working condition.

*Note:* Section VII, A.S.M.E. Boiler and Pressure Vessel Code "Recommended Rules for Care of Boilers" is an excellent guide for boiler owners and operators.

**History:** Cr. Register, February, 1971, No. 182, eff. 3-1-71.

#### PART IV INSPECTIONS

**Ind 41.20 Inspections.** (1) ALL INSPECTIONS. The authorized inspectors of the department, upon presenting appropriate credentials to the owner, operator, or agent in charge, are authorized—

(a) To enter without delay and at reasonable times any factory, plant, establishment, construction site, or other area, workplace or environment where work is performed by an employee of an employer; and

(b) To inspect and investigate during regular working hours and at other reasonable times, and within reasonable limits and in a reasonable manner, any such place of employment and all pertinent conditions, structures, machines, apparatus, devices, equipment, and materials therein, and to question privately any such employer, owner, operator, agent or employee.

(2) CONTACTING REPRESENTATIVE. The inspector before making his inspection shall contact a representative of the employer and a representative authorized by his employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

(a) Where there is no authorized employee representative, the inspector shall consult with a reasonable number of employees concerning matters of health and safety in the workplace.

*Note:* The department policy is not to give advance notice, but in the scheduling and in the act of inspecting it may not always be possible to avoid advance notice or to obtain accompaniment as, for example, inside boilers or in precarious locations of elevator installations, but otherwise these rules will be diligently observed.

(3) INSPECTION OF BOILERS. Except as regulated in section Ind 41.21, boilers shall be subjected to either a regular internal or external inspection at least once every 12 months by a qualified inspector.

(4) INSPECTION OF PRESSURE VESSELS. Except as regulated in section Ind 41.21, pressure vessels shall be subjected to a regular internal or external inspection at least once every 24 months by a qualified inspector.

(5) WHEN INTERNAL INSPECTION IS NOT POSSIBLE. Where an internal inspection is not possible because of the construction of the boiler, an external inspection will be acceptable.

(6) EXTENSION OF PERIOD BETWEEN INSPECTIONS. If operating conditions require, longer periods between inspections of boilers may be approved by the department of industry, labor and human relations upon a written request for an extension.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61; am. (2), (3), (4), Register, October, 1970, No. 178, eff. 11-1-70; renum. (1), (2), (3), (4) to be (3), (4), (5) and (6) and cr. (1) and (2), Register, April, 1973, No. 208, eff. 5-1-73.

**Ind 41.21 Vessels exempt from periodic inspections.** (1) The following boilers and pressure vessels will not be subject to periodic inspection, but in individual cases any such vessel will be subject to inspection by or on order of the department upon complaint of any person or upon initiative of the department when there is reasonable cause to suspect that the construction, installation, maintenance or operation of the vessel is not in keeping with the general purpose and intent of this code:

(a) Boilers or pressure vessels which receive regular inspections by United States government inspectors.

(b) Steam boilers or pressure vessels having an internal or external operating pressure not exceeding 15 psi with no limitations to size. Hot water boilers and their expansion tanks having an internal operating pressure not exceeding 30 psi with no limitations to size.

(c) Boilers used exclusively for agricultural purposes.

(d) Miniature boilers.

(e) Pressure vessels having an inside diameter not exceeding 6 inches with no limitation to pressure.

(f) Pressure vessels having a volume of less than 5 cubic feet and an operating pressure of less than 250 psi.

(g) Pressure vessels with a volume of less than 1½ cubic feet with no limit on pressure.

(h) Pressure vessels which are used in accordance with the regulations of the U.S. Department of Transportation.

(i) Air receivers having a volume not to exceed 12 cubic feet and an operating pressure of less than 225 psi.

(j) Hot water supply boilers and hot water storage tanks.

(k) Vessels used for the storage or processing of cold water including those with air cushions.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61; r. and recr. Register, February, 1971, No. 182, eff. 3-1-71.

**Ind 41.22 Preparation for internal inspection.** The owner or user of a boiler or a pressure vessel subject to inspection shall prepare the vessel for internal inspection after due notice from the inspector. To prepare a vessel for an internal inspection all manhole plates, all wash-out plugs, and a sufficient number of handhole plates to permit a satisfactory inspection shall be removed. The shell and heads shall be thoroughly cleaned and exposed when so requested. Each steam boiler shall be thoroughly drained of water and all fire side surfaces cleaned before an internal inspection is made.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61; r. and recr. Register, February, 1971, No. 182, eff. 3-1-71.

**Ind 41.23 Insurance company inspections.** (1) Periodic inspections of boilers and pressure vessels by insurance companies may be accepted by the Department of Industry, Labor and Human Relations under the following conditions:

(a) The boiler and pressure vessel inspectors employed by the insurance company shall hold certificates of competency issued by the Department of Industry, Labor and Human Relations.

(b) The insurance company shall report inspections of boilers and pressure vessels to the Department of Industry, Labor and Human Relations as required in section Ind 41.26.

(c) The inspection procedures used by the insurance company shall conform to the regulations of this code.

Register, April, 1973, No. 208  
Boiler and Unfired Pressure Vessel Code

DEPT. OF INDUSTRY, LABOR & HUMAN RELATIONS 10a

(d) The insurance company shall report to the Department of Industry, Labor and Human Relations within 30 days when insurance coverage is started or discontinued on a boiler or pressure vessel. The reason for discontinuing the coverage shall be given on the report.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61; r. and recr. Register, February, 1971, No. 182, eff. 3-1-71.

**Ind 41.24 Inspections by cities.** (1) Periodic inspections of boiler and pressure vessels by cities of the first class may be accepted by the Department of Industry, Labor and Human Relations under the following conditions:

(a) The boiler and pressure vessel inspectors employed by the city shall hold certificates of competency issued by the Department of Industry, Labor and Human Relations.

(b) The city shall keep a record of such periodic inspections.

(c) The inspection procedures used by the city shall conform to the regulations of this code.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61; r. and recr. Register, February, 1971, No. 182, eff. 3-1-71.

**Ind 41.25 Companies or corporations allowed to make inspections.**

(1) Periodic inspections by companies or corporations of boilers or pressure vessels which they own or operate may be accepted by the