

P.U.(A) 11/70
FACTORIES AND MACHINERY (PERSONS- IN-CHARGE) REGULATIONS, 1970
PART I - MACHINERY REQUIRED TO BE IN CHARGE OF PERSONS HOLDING
CERTIFICATES OF COMPETENCY

Regulation 5. Steam boilers and engines not on a dredge.

(1) This regulation shall apply to steam boilers and steam engines not installed on a dredge and in this regulation-

"driver" means the holder of a driver's certificate of competency for steam boilers and steam engines;

"engineer" means the holder of an engineer's certificate of competency for steam boilers and steam engines;

"heating surface" means, in respect of any steam boiler, the total surface of all plates and tubes exposed to heat on one side and in contact with water on the other, measured on the water or fire side, whichever is the greater, and excluding the heating surface of any economiser and superheater connected thereto;

"visiting engineer" means the holder of an engineer's certificate of competency for steam boilers and steam engines who is employed by an owner to make periodical visits to and inspections of, his machinery.

(2) (i) Where the heating surface of a steam boiler, or the aggregate heating surface of steam boilers connected to a common range, is five hundred square feet or less, a first or second grade driver shall be in charge of such boiler or boilers during each shift; and

(ii) where more than one steam boiler is connected to a common range or there is more than one associated steam engine, the driver in charge shall be assisted during each shift by other first or second grade drivers sufficient to ensure that including the driver in charge there shall not be more than two steam boilers or two steam engines or one combined steam boiler and steam engine to each driver.

(3) Where the heating surface of a steam boiler, or the aggregate heating surface of steam boilers connected to a common range, is greater than five hundred square feet but not greater than two thousand square feet, a first grade driver shall be in charge of such boiler or boilers during each shift, and the provisions of paragraph (2) (ii) of this regulation shall apply.

(4) Where the heating surface of a steam boiler, or the aggregate heating surface of steam boilers connected to a common range is greater than two thousand square feet but not greater than five thousand square feet, a first grade driver shall be in charge of such boiler or boilers during each shift, and the provisions of paragraph (2) (ii) of this regulation shall apply. In addition the owner shall employ a first or second grade visiting engineer who shall comply with the provisions of regulations 10, 11 and 12.

(5) (i) Where the heating surface of a steam boiler or the aggregate heating surface of steam boilers connected to a common range, is greater than five thousand square feet but not greater than ten thousand square feet, a first or second grade engineer shall be in charge of such boiler or boilers; and

(ii) where more than one steam boiler is connected to a common range or there is more than one associated steam engine, the engineer in charge shall be assisted during each shift by such first grade drivers as shall be sufficient to ensure that there shall not be more than two steam boilers or two steam engines or one combined steam boiler and steam engine to each driver.

(6) (i) Where the heating surface of a steam boiler, or the aggregate heating surface of steam boilers connected to a common range, is greater than ten thousand square feet but not greater than twenty-five thousand square feet; a first grade engineer shall be in charge of such boiler or boilers; and

(ii) where more than one steam boiler is connected to a common range or there is more than one associated steam engine, the engineer in charge shall be assisted by a first or second grade engineer and during each shift by such first and second grade drivers as shall be sufficient to ensure that there shall not be more than two steam boilers or two steam engines or one combined steam boiler and steam engine to each driver.

(7) (i) Where the heating surface of a steam boiler or the aggregate heating surface of steam boilers connected to a common range, is greater than twenty-five thousand square feet, a first grade engineer shall be in charge of such boiler or boilers; and

(ii) where more than one steam boiler is connected to a common range or there is more than one associated steam engine the engineer in charge shall be assisted by two first or second grade engineers and during each shift by such first and second grade drivers as shall be sufficient to ensure that there shall not be more than two steam boilers or two steam engines or one combined steam boiler and steam engine to each driver.

(8) (i) Where the heating surface of a steam boiler, or the aggregate heating surface of steam boilers connected to a common range is greater than fifty thousand square feet, a first grade engineer shall be in charge of such boiler or boilers; and

(ii) where more than one steam boiler is connected to a common range or there is more than one associated steam engine, the engineer in charge shall be assisted during each shift by a first or second grade engineer together with such first and second grade drivers as shall be sufficient to ensure that there shall not be more than two steam boilers or two steam engines or one combined steam boiler and steam engine to each driver.

Exemption.

(9) Notwithstanding the provisions of this regulation a driver shall not be required to be in charge of a steam boiler of the following types-

(i) an electrode boiler;

(ii) a steam tube oven;

(iii) a steam tube hotplate;

(iv) an autoclave;

(v) any steam boiler in which the steam generated is retained inside the boiler.
