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(c) Where the ventilation requirement of ABS Steel Vessel Rules section 4–8–4/27.3.2 is not met—

(1) All installed electrical equipment must be suitable for a Class I, Division 1; Zone 0; or Zone 1 hazardous location; or

(2) If fitted with an approved fixed gas detection system (set at 25 percent of the LEL), each item of installed electrical equipment must meet the requirements for either a Class I, Division 1; Class I, Division 2; Zone 0; Zone 1; or Zone 2 hazardous location.

[CGD 94–108, 61 FR 28285, June 4, 1996; 61 FR 33045, June 26, 1996, as amended at 62 FR 23909, May 1, 1997; USCG–2003–16630, 73 FR 65200, Oct. 31, 2008]

§ 111.105–41 Battery rooms.

Each electrical installation in a battery room must meet 46 CFR subpart 111.15 and IEEE 45–1998 (incorporated by reference; see 46 CFR 110.10–1).

[USCG–2003–16630, 73 FR 65201, Oct. 31, 2008]

§ 111.105–43 Paint stowage or mixing spaces.

A space for the stowage or mixing of paint must not have any electric equipment, except:

(a) Intrinsically safe electric equipment approved for a Class I, Division 1, Group D (Zone 0 or Zone 1) location;

(b) Explosionproof electric equipment approved for a Class I, Division 1, Group D (Zone 0 or Zone 1) location; or

(c) Through runs of marine shipboard cable.

[CGD 74–125A, 47 FR 15236, Apr. 8, 1982, as amended by CGD 94–108, 61 FR 28285, June 4, 1996; 62 FR 23909, May 1, 1997]

§ 111.105–45 Vessels carrying agricultural products.

(a) The following areas are Class II, Division 1, (Zone 10 or Z) locations on vessels carrying bulk agricultural products that may produce dust explosion hazards:

(1) The interior of each cargo hold or bin.

(2) Areas where cargo is transferred, dropped, or dumped and locations within 1 meter (3 feet) of the outer edge of these areas in all directions.

(b) The following areas are Class II, Division 2, (Zone 11 or Y) locations on vessels carrying bulk agricultural products that may produce dust explosion hazards:

(1) All areas within 2 meters (6.5 feet) of a Division 1 (Zone 10 or Z) location in all directions except when there is an intervening barrier, such as a bulkhead or deck.

NOTE TO §111.105–45: Information on the dust explosion hazards associated with the carriage of agricultural products is contained in Coast Guard Navigation and Vessel Inspection Circular 9–84 (NVIC 9–84) ''Electrical Installations in Agricultural Dust Locations.''

[CGD 94–108, 61 FR 28285, June 4, 1996]

Subpart 111.106—Hazardous Locations on OSVs

SOURCE: USCG–2012–0208, 79 FR 48930, Aug. 18, 2014, unless otherwise noted.

§ 111.106–1 Applicability.

This subpart applies to OSVs of at least 6,000 GT ITC (500 GRT if GT ITC is not assigned), as defined in §125.160 of this chapter.

§ 111.106–3 General requirements.

(a) Electrical installations in hazardous locations, where necessary for operational purposes, must be located in the least hazardous location practicable.

(b) Electrical installations in hazardous locations must comply with the standards listed in paragraphs (b)(1), (2), or (3) of this section.

(1) NFPA 70 Articles 500 through 504 (incorporated by reference, see §110.10–1). Equipment identified for Class I locations must meet the provisions of Sections 500.7 and 500.8 of NFPA 70 and must be tested and listed by an independent laboratory to any of the following standards:

(i) ANSI/UL 674, ANSI/UL 823, ANSI/UL 844, ANSI/UL 913, ANSI/UL 1203, UL 1604 (Division 2) and/or ANSI/UL 2225 (incorporated by reference, see §110.10–1).

(ii) FM Approvals Class Number 3600, Class Number 3610, Class Number 3611, Class Number 3615, Class Number 3620, or any combination of these (incorporated by reference, see §110.10–1).