

of this subchapter must complete the change-in-service or closure procedures in subchapter 7. [Eff 7/15/18; comp 1/17/20; am and comp JUL - 8 2021 ] (Auth: HRS §§342L-3, 342L-32, 342L-33) (Imp: HRS §§342L-3, 342L-32, 342L-33)

**§11-280.1-41 Requirements for petroleum UST**

**systems.** (a) Tanks. Owners and operators of petroleum UST systems must provide release detection for tanks as follows:

- (1) Tanks that are neither part of an airport hydrant fuel distribution system nor a UST system with field-constructed tanks:
  - (A) Tanks installed before August 9, 2013 must be monitored for releases at least every thirty-one days using one of the methods listed in section 11-280.1-43(4) to (9), except that:
    - (i) UST systems that meet the performance standards in section 11-280.1-20, and the monthly inventory control requirements in section 11-280.1-43(1) or (2), may use tank tightness testing (conducted in accordance with section 11-280.1-43(3)) at least every five years until ten years after the tank was installed; and
    - (ii) Tanks with capacity of 550 gallons or less and tanks with a capacity of 551 to 1,000 gallons that meet the tank diameter criteria in section 11-280.1-43(2) may use manual tank gauging (conducted in accordance with section 11-280.1-43(2)).
  - (B) Not later than July 15, 2028, tanks installed before August 9, 2013 must be monitored for releases at least every thirty-one days in accordance with

section 11-280.1-43(7).

- (C) Tanks installed on or after August 9, 2013 must be monitored for releases at least every thirty-one days in accordance with section 11-280.1-43(7).
- (2) Tanks that are part of an airport hydrant fuel distribution system or a UST system with field-constructed tanks, except field-constructed tanks with a capacity greater than 50,000 gallons:
  - (A) Tanks installed before July 15, 2018 must be monitored for releases at least every thirty-one days using one of the methods listed in section 11-280.1-43(4) to (9), except that:
    - (i) UST systems that meet the performance standards in section 11-280.1-20, and the monthly inventory control requirements in section 11-280.1-43(1) or (2), may use tank tightness testing (conducted in accordance with section 11-280.1-43(3)) at least every five years until ten years after the tank was installed; and
    - (ii) Tanks with capacity of 550 gallons or less and tanks with a capacity of 551 to 1,000 gallons that meet the tank diameter criteria in section 11-280.1-43(2) may use manual tank gauging (conducted in accordance with section 11-280.1-43(2)).
  - (B) Tanks installed on or after July 15, 2018 must be monitored for releases at least every thirty-one days in accordance with section 11-280.1-43(7).
- (3) Field-constructed tanks with a capacity greater than 50,000 gallons:
  - (A) Tanks installed before July 15, 2018 must be monitored for releases at least every thirty-one days using one of the

methods listed in section 11-280.1-43(4), (7), (8), and (9) or use one or a combination of the methods of release detection listed in section 11-280.1-43(10).

- (B) Tanks installed on or after July 15, 2018 must be monitored for releases at least every thirty-one days in accordance with section 11-280.1-43(7).

(b) Piping. Underground piping that routinely contains regulated substances must be monitored for releases as follows:

- (1) Piping installed before August 9, 2013, for UST systems other than airport hydrant fuel distribution systems and UST systems with field-constructed tanks, must meet one of the following:

- (A) Pressurized piping. Underground piping that conveys regulated substances under pressure must:

- (i) Be equipped with an automatic line leak detector conducted in accordance with section 11-280.1-44(1); and
- (ii) Have an annual line tightness test conducted in accordance with section 11-280.1-44(2) or have monthly monitoring conducted in accordance with section 11-280.1-44(3).

- (B) Suction piping. Underground piping that conveys regulated substances under suction must:

- (i) Have a line tightness test conducted at least every three years and in accordance with section 11-280.1-44(2);
- (ii) Use a monthly monitoring method conducted in accordance with section 11-280.1-44(3); or
- (iii) Meet the standards in paragraph (6)(A) to (E).

- (2) Not later than July 15, 2028, piping installed before August 9, 2013, for UST systems other than airport hydrant fuel distribution systems and UST systems with field-constructed tanks, must meet one of the following:
  - (A) Pressurized piping. Underground piping that conveys regulated substances under pressure must:
    - (i) Be monitored for releases at least every thirty-one days in accordance with section 11-280.1-43(7); and
    - (ii) Be equipped with an automatic line leak detector in accordance with section 11-280.1-44(1).
  - (B) Suction piping. Underground piping that conveys regulated substances under suction must:
    - (i) Be monitored for releases at least every thirty-one days in accordance with section 11-280.1-43(7); or
    - (ii) Meet the standards in paragraph (6) (A) to (E).
- (3) Piping installed on or after August 9, 2013, for UST systems other than airport hydrant fuel distribution systems and UST systems with field-constructed tanks, must meet the technical specifications in paragraph (2) (A) or (B).
- (4) Piping for UST systems with field-constructed tanks with a capacity less than or equal to 50,000 gallons and not part of an airport hydrant fuel distribution system:
  - (A) Piping installed before July 15, 2018 must meet the technical specifications in paragraph (1) (A) or (B).
  - (B) Not later than July 15, 2038, piping installed before July 15, 2018 must meet the technical specifications in paragraph (2) (A) or (B), unless an

- alternative design is approved by the director under section 11-280.1-21(c).
- (C) Piping installed on or after July 15, 2018 must meet the technical specifications in paragraph (2)(A) or (B).
- (5) Piping for airport hydrant fuel distribution systems and UST systems with field-constructed tanks with a capacity greater than 50,000 gallons must meet one of the following:
- (A) Pressurized piping. Underground piping that conveys regulated substances under pressure must:
- (i) Be equipped with an automatic line leak detector conducted in accordance with section 11-280.1-44(1); and
  - (ii) Have an annual line tightness test conducted in accordance with section 11-280.1-44(2) or have monthly monitoring conducted in accordance with any of the methods in section 11-280.1-43(7) to (9) designed to detect a release from any portion of the underground piping that routinely contains regulated substances; or
  - (iii) Use one or a combination of the methods of release detection listed in section 11-280.1-44(4).
- (B) Suction piping. Underground piping that conveys regulated substances under suction must:
- (i) Have a line tightness test conducted at least every three years and in accordance with section 11-280.1-44(2);
  - (ii) Use a monthly monitoring method conducted in accordance with section 11-280.1-43(7) to (9) designed to detect a release from