

Environmental Protection Agency

§ 62.14105

7 percent oxygen (dry basis), whichever is less stringent.

(c) The owner or operator of an affected facility must not cause to be discharged into the atmosphere from that affected facility any gases that contain municipal waste combustor organics, expressed as total mass dioxins/furans, in excess of the emission limits specified in either paragraph (c)(1) or (c)(2) of this section, as applicable.

(1) The emission limit for affected facilities that employ an electrostatic precipitator-based emission control system is 60 nanograms per dry standard cubic meter (total mass), corrected to 7 percent oxygen.

(2) The emission limit for affected facilities that do not employ an electrostatic precipitator-based emission control system is 30 nanograms per dry standard cubic meter (total mass), corrected to 7 percent oxygen.

(d) The owner or operator of an affected facility must not cause to be discharged into the atmosphere from that affected facility any gases that contain nitrogen oxides in excess of the emission limits listed in table 2 of this subpart for affected facilities. Table 2 of this subpart provides emission limits for the nitrogen oxides concentration level for each type of affected facility.

§ 62.14104 Requirements for municipal waste combustor operating practices.

(a) The owner or operator of an affected facility must not cause to be discharged into the atmosphere from that affected facility any gases that contain carbon monoxide in excess of the emission limits listed in table 3 of this subpart. Table 3 provides emission limits for the carbon monoxide concentration level for each type of affected facility.

(b) The owner or operator of an affected facility must comply with the municipal waste combustor operating practice requirements listed in 40 CFR 60.53b(b) and (c) of subpart Eb. For calculating the steam (or feedwater) flow required under 40 CFR 60.58(i)(6)(i), proceed in accordance with ASME PTC 4.1-1964 (Reaffirmed 1991), Power Test Codes: Test Code for Steam Generating Units (with 1968 and 1969 Addenda). For design, construction, installation, calibration, and use of nozzles and orifices

required in 40 CFR 60.58(i)(6)(ii), proceed in accordance with the recommendations in ASME Interim Supplement 19.5 on Instruments and Apparatus: Application, Part II of Fluid Meters, 6th Edition (1971). The Director of the Federal Register approves these incorporations by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You may obtain a copy at the American Society of Mechanical Engineers, Service Center, 22 Law Drive, Post Office Box 2900, Fairfield, NJ 07007. You may inspect a copy at the Office of Air Quality Planning and Standards Air Docket, EPA, Mutual Building, Room 540, 411 West Chapel Hill Street, Durham, NC 27701, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

[63 FR 63202, Nov. 12, 1998, as amended at 69 FR 18803, Apr. 9, 2004]

§ 62.14105 Requirements for municipal waste combustor operator training and certification.

The owner or operator of an affected facility must comply with the municipal waste combustor operator training and certification requirements listed in paragraphs (a) through (g) of this section. For affected facilities, compliance with the municipal waste combustor operator training and certification requirements specified under paragraphs (a), (b), (d), and (g) of this section must be no later than 12 months after the effective date of this subpart.

(a) Each chief facility operator and shift supervisor must obtain and maintain a current provisional operator certification from either the American Society of Mechanical Engineers QRO-1-1994 or a State certification program in Connecticut and Maryland (if the affected facility is located in either of the respective States). If ASME certification is chosen, proceed in accordance with ASME QRO-1-1994, Standard for the Qualification and Certification of Resource Recovery Facility Operators. The Director of the Federal Register approves this incorporation by reference in accordance with 5 U.S.C.

552(a) and 1 CFR part 51. You may obtain a copy from the American Society of Mechanical Engineers, Service Center, 22 Law Drive, Post Office Box 2900, Fairfield, NJ 07007. You may inspect a copy at the Office of Air Quality Planning and Standards Air Docket, EPA, Mutual Building, Room 540, 411 West Chapel Hill Street, Durham, NC 27701 or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) Each chief facility operator and shift supervisor must have completed full certification or must have scheduled a full certification exam with either the American Society of Mechanical Engineers QRO-1-1994 or a State certification program in Connecticut and Maryland (if the affected facility is located in either of the respective States). If ASME certification is chosen, proceed in accordance with ASME QRO-1-1994, Standard for the Qualification and Certification of Resource Recovery Facility Operators. The Director of the Federal Register approves this incorporation by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You may obtain a copy from the American Society of Mechanical Engineers, Service Center, 22 Law Drive, Post Office Box 2900, Fairfield, NJ 07007. You may inspect a copy at the Office of Air Quality Planning and Standards Air Docket, EPA, Mutual Building, Room 540, 411 West Chapel Hill Street, Durham, NC 27701 or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(c) The owner or operator of an affected facility must not allow the facility to be operated at any time unless one of the following persons is on duty at the affected facility: a fully certified chief facility operator; a provisionally certified chief facility operator who is scheduled to take the full certification exam no later than 12 months after the

effective date of this subpart; a fully certified shift supervisor; or a provisionally certified shift supervisor who is scheduled to take the full certification exam no later than 12 months after the effective date of this subpart. If one of the persons listed in this paragraph must leave the affected facility during their operating shift, a provisionally certified control room operator who is onsite at the affected facility may fulfill the requirement in this paragraph.

(d)(1) Each chief facility operator, shift supervisor, and control room operator at an affected facility must complete the EPA municipal waste combustor operator training course or the State municipal waste combustor operator training course in Connecticut (if the affected facility is located in Connecticut).

(2) The requirement specified in this paragraph does not apply to chief facility operators, shift supervisors, and control room operators who have obtained full certification from the American Society of Mechanical Engineers on or before the effective date of this subpart. The owner or operator of an affected facility may request that the EPA Administrator waive the requirement specified in this paragraph for chief facility operators, shift supervisors, and control room operators who have obtained provisional certification from the American Society of Mechanical Engineers on or before the effective date of this subpart.

(e) The owner or operator of an affected facility must develop and update on a yearly basis a site-specific operating manual that must, at a minimum, address the elements of municipal waste combustor unit operation specified in paragraphs (e)(1) through (e)(11) of this section.

(1) A summary of the applicable standards under this subpart;

(2) A description of basic combustion theory applicable to a municipal waste combustor unit;

(3) Procedures for receiving, handling, and feeding municipal solid waste;

(4) Procedures for municipal waste combustor unit startup, shutdown, and malfunction;

Environmental Protection Agency

§ 62.14108

(5) Procedures for maintaining proper combustion air supply levels;

(6) Procedures for operating the municipal waste combustor unit within the standards established under this subpart;

(7) Procedures for responding to periodic upset or off-specification conditions;

(8) Procedures for minimizing particulate matter carryover;

(9) Procedures for handling ash;

(10) Procedures for monitoring municipal waste combustor unit emissions; and

(11) Reporting and recordkeeping procedures.

(f) The owner or operator of an affected facility must establish a training program to review the operating manual according to the schedule specified in paragraphs (f)(1) and (f)(2) of this section with each person who has responsibilities affecting the operation of an affected facility including, but not limited to, chief facility operators, shift supervisors, control room operators, ash handlers, maintenance personnel, and crane/load handlers.

(1) Each person specified in paragraph (f) of this section must undergo initial training no later than the date specified in paragraph (f)(1)(i) or (f)(1)(ii) of this section, whichever is later.

(i) The date prior to the day the person assumes responsibilities affecting municipal waste combustor unit operation; or

(ii) The date 12 months after the effective date of this subpart.

(2) Annually, following the initial review required by paragraph (f)(1) of this section.

(g) The operating manual required by paragraph (e) of this section must be kept in a location readily accessible to each person required to undergo training under paragraph (f) of this section. The operating manual and records of training must be available for inspection by the EPA or its delegated enforcement agency upon request.

[63 FR 63202, Nov. 12, 1998, as amended at 69 FR 18803, Apr. 9, 2004]

§ 62.14106 Emission limits for municipal waste combustor fugitive ash emissions.

(a) The owner or operator of an affected facility must not cause to be discharged to the atmosphere from that affected facility visible emissions of combustion ash from an ash conveying system (including conveyor transfer points) in excess of 5 percent of the observation period (i.e., 9 minutes per 3-hour period), as determined by EPA Reference Method 22 observations as specified in 40 CFR 60.58b(k) of subpart Eb, except as provided in paragraphs (b) and (c) of this section.

(b) The emission limit specified in paragraph (a) of this section does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, the emission limit specified in paragraph (a) of this section does cover visible emissions discharged to the atmosphere from buildings or enclosures of ash conveying systems.

(c) The provisions specified in paragraph (a) of this section do not apply during maintenance and repair of ash conveying systems.

§ 62.14107 Emission limits for air curtain incinerators.

The owner or operator of an air curtain incinerator with the capacity to combust greater than 250 tons per day of municipal solid waste and that combusts a fuel feed stream composed of 100 percent yard waste and no other municipal solid waste materials must not (at any time) cause to be discharged into the atmosphere from that incinerator any gases that exhibit greater than 10-percent opacity (6-minute average), except that an opacity level of up to 35 percent (6-minute average) is permitted during startup periods during the first 30 minutes of operation of the unit.

§ 62.14108 Compliance schedules.

(a) The owner or operator of an affected facility must achieve the increments of progress specified in paragraphs (a)(1) through (a)(5) to retrofit air pollution control devices to meet the emission limits of this subpart. As specified in 40 CFR part 60, subpart B,