

## Environmental Protection Agency

## § 71.2

Operating permit applications. These revisions to the Iowa program are approved effective July 14, 2014.

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### PART 71—FEDERAL OPERATING PERMIT PROGRAMS

#### Subpart A—Operating Permits

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AUTHORITY: 42 U.S.C. 7401, *et seq.*

SOURCE: 59 FR 59924, Nov. 21, 1994, unless otherwise noted.

#### Subpart A—Operating Permits

SOURCE: 61 FR 34228, July 1, 1996, unless otherwise noted.

##### § 71.1 Program overview.

(a) This part sets forth the comprehensive Federal air quality operating permits permitting program consistent with the requirements of title V of the Act (42 U.S.C. 7401 *et seq.*) and defines the requirements and the corresponding standards and procedures by which the Administrator will issue operating permits. This permitting program is designed to promote timely

and efficient implementation of goals and requirements of the Act.

(b) All sources subject to the operating permit requirements of title V and this part shall have a permit to operate that assures compliance by the source with all applicable requirements.

(c) The requirements of this part, including provisions regarding schedules for submission and approval or disapproval of permit applications, shall apply to the permitting of affected sources under the acid rain program, except as provided herein or as modified by title IV of the Act and 40 CFR parts 72 through 78.

(d) Issuance of permits under this part may be coordinated with issuance of permits under the Resource Conservation and Recovery Act (42 U.S.C. 6901 *et seq.*) and under the Clean Water Act (33 U.S.C. 1251 *et seq.*), whether issued by the State, the U.S. Environmental Protection Agency (EPA), or the U.S. Army Corps of Engineers.

(e) Nothing in this part shall prevent a State from administering an operating permits program and establishing more stringent requirements not inconsistent with the Act.

##### § 71.2 Definitions.

The following definitions apply to part 71. Except as specifically provided in this section, terms used in this part retain the meaning accorded them under the applicable requirements of the Act.

*Act* means the Clean Air Act, as amended, 42 U.S.C. 7401 *et seq.*

*Affected source* shall have the meaning given to it in 40 CFR 72.2.

*Affected States* are:

(1) All States and areas within Indian country subject to a part 70 or part 71 program whose air quality may be affected and that are contiguous to the State or the area within Indian country in which the permit, permit modification, or permit renewal is being proposed; or that are within 50 miles of the permitted source. A Tribe shall be treated in the same manner as a State under this paragraph (1) only if EPA has determined that the Tribe is an eligible Tribe.

(2) The State or area within Indian country subject to a part 70 or part 71

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program in which a part 71 permit, permit modification, or permit renewal is being proposed. A Tribe shall be treated in the same manner as a State under this paragraph (2) only if EPA has determined that the Tribe is an eligible Tribe.

(3) Those areas within the jurisdiction of the air pollution control agency for the area in which a part 71 permit, permit modification, or permit renewal is being proposed.

*Affected unit* shall have the meaning given to it in 40 CFR 72.2.

*Alternative operating scenario (AOS)* means a scenario authorized in a part 71 permit that involves a change at the part 71 source for a particular emissions unit, and that either results in the unit being subject to one or more applicable requirements which differ from those applicable to the emissions unit prior to implementation of the change or renders inapplicable one or more requirements previously applicable to the emissions unit prior to implementation of the change.

*Applicable requirement* means all of the following as they apply to emissions units in a part 71 source (including requirements that have been promulgated or approved by EPA through rulemaking at the time of issuance but have future compliance dates):

(1) Any standard or other requirement provided for in the applicable implementation plan approved or promulgated by EPA through rulemaking under title I of the Act that implements the relevant requirements of the Act, including any revisions to that plan promulgated in part 52 of this chapter;

(2) Any term or condition of any preconstruction permits issued pursuant to regulations approved or promulgated through rulemaking under title I, including parts C or D, of the Act;

(3) Any standard or other requirement under section 111 of the Act, including section 111(d);

(4) Any standard or other requirement under section 112 of the Act, including any requirement concerning accident prevention under section 112(r)(7) of the Act;

(5) Any standard or other requirement of the acid rain program under

title IV of the Act or 40 CFR parts 72 through 78;

(6) Any requirements established pursuant to section 114(a)(3) or 504(b) of the Act;

(7) Any standard or other requirement under section 126(a)(1) and (c) of the Act;

(8) Any standard or other requirement governing solid waste incineration, under section 129 of the Act;

(9) Any standard or other requirement for consumer and commercial products, under section 183(e) of the Act;

(10) Any standard or other requirement for tank vessels, under section 183(f) of the Act;

(11) Any standard or other requirement of the program to control air pollution from outer continental shelf sources, under section 328 of the Act;

(12) Any standard or other requirement of the regulations promulgated at 40 CFR part 82 to protect stratospheric ozone under title VI of the Act, unless the Administrator has determined that such requirements need not be contained in a title V permit; and

(13) Any national ambient air quality standard or increment or visibility requirement under part C of title I of the Act, but only as it would apply to temporary sources permitted pursuant to section 504(e) of the Act.

*Approved replicable methodology (ARM)* means part 71 permit terms that:

(1) Specify a protocol which is consistent with and implements an applicable requirement, or requirement of this part, such that the protocol is based on sound scientific and/or mathematical principles and provides reproducible results using the same inputs; and

(2) Require the results of that protocol to be recorded and used for assuring compliance with such applicable requirement, any other applicable requirement implicated by implementation of the ARM, or requirement of this part, including where an ARM is used for determining applicability of a specific requirement to a particular change.

*Delegate agency* means the State air pollution control agency, local agency, other State agency, Tribal agency, or

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other agency authorized by the Administrator pursuant to § 71.10 to carry out all or part of a permit program under part 71.

*Designated representative* shall have the meaning given to it in section 402(26) of the Act and 40 CFR 72.2.

*Draft permit* means the version of a permit for which the permitting authority offers public participation under § 71.7 or § 71.11 and affected State review under § 71.8.

*Eligible Indian Tribe* or *eligible Tribe* means a Tribe that has been determined by EPA to meet the criteria for being treated in the same manner as a State, pursuant to the regulations implementing section 301(d)(2) of the Act.

*Emissions allowable under the permit* means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that establishes an emissions limit (including a work practice standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

*Emissions unit* means any part or activity of a stationary source that emits or has the potential to emit any regulated air pollutant or any pollutant listed under section 112(b) of the Act. This term is not meant to alter or affect the definition of the term "unit" for purposes of title IV of the Act.

*EPA* or the *Administrator* means the Administrator of the U.S. Environmental Protection Agency (EPA) or his or her designee.

*Federal Indian reservation, Indian reservation* or *reservation* means all land within the limits of any Indian reservation under the jurisdiction of the United States Government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation.

*Final permit* means the version of a part 71 permit issued by the permitting authority that has completed all review procedures required by §§ 71.7, 71.8, and 71.11.

*Fugitive emissions* are those emissions which could not reasonably pass through a stack, chimney, vent, or other functionally-equivalent opening.

*General permit* means a part 71 permit that meets the requirements of § 71.6(d).

*Indian country* means:

(1) All land within the limits of any Indian reservation under the jurisdiction of the United States government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation;

(2) All dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a State; and

(3) All Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same.

*Indian Tribe* or *Tribe* means any Indian Tribe, band, nation, or other organized group or community, including any Alaskan native village, which is federally recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians.

*Major source* means any stationary source (or any group of stationary sources that are located on one or more contiguous or adjacent properties, and are under common control of the same person (or persons under common control)), belonging to a single major industrial grouping and that are described in paragraph (1), (2), or (3) of this definition. For the purposes of defining "major source," a stationary source or group of stationary sources shall be considered part of a single industrial grouping if all of the pollutant emitting activities at such source or group of sources on contiguous or adjacent properties belong to the same Major Group (i.e., all have the same two-digit code) as described in the Standard Industrial Classification Manual, 1987.

(1) A major source under section 112 of the Act, which is defined as:

(i) For pollutants other than radionuclides, any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit, in the aggregate, 10 tpy or more of any hazardous air pollutant which has been listed pursuant

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to section 112(b) of the Act, 25 tpy or more of any combination of such hazardous air pollutants, or such lesser quantity as the Administrator may establish by rule. Notwithstanding the preceding sentence, emissions from any oil or gas exploration or production well (with its associated equipment) and emissions from any pipeline compressor or pump station shall not be aggregated with emissions from other similar units, whether or not such units are in a contiguous area or under common control, to determine whether such units or stations are major sources; or

(ii) For radionuclides, “major source” shall have the meaning specified by the Administrator by rule.

(2) A major stationary source of air pollutants, as defined in section 302 of the Act, that directly emits or has the potential to emit, 100 tpy or more of any air pollutant subject to regulation (including any major source of fugitive emissions of any such pollutant, as determined by rule by the Administrator). The fugitive emissions of a stationary source shall not be considered in determining whether it is a major stationary source for the purposes of section 302(j) of the Act, unless the source belongs to one of the following categories of stationary source:

- (i) Coal cleaning plants (with thermal dryers);
- (ii) Kraft pulp mills;
- (iii) Portland cement plants;
- (iv) Primary zinc smelters;
- (v) Iron and steel mills;
- (vi) Primary aluminum ore reduction plants;
- (vii) Primary copper smelters;
- (viii) Municipal incinerators capable of charging more than 250 tons of refuse per day;
- (ix) Hydrofluoric, sulfuric, or nitric acid plants;
- (x) Petroleum refineries;
- (xi) Lime plants;
- (xii) Phosphate rock processing plants;
- (xiii) Coke oven batteries;
- (xiv) Sulfur recovery plants;
- (xv) Carbon black plants (furnace process);
- (xvi) Primary lead smelters;
- (xvii) Fuel conversion plants;
- (xviii) Sintering plants;

(xix) Secondary metal production plants;

(xx) Chemical process plants—The term chemical processing plant shall not include ethanol production facilities that produce ethanol by natural fermentation included in NAICS codes 325193 or 312140;

(xxi) Fossil-fuel boilers (or combination thereof) totaling more than 250 million British thermal units per hour heat input;

(xxii) Petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels;

(xxiii) Taconite ore processing plants;

(xxiv) Glass fiber processing plants;

(xxv) Charcoal production plants;

(xxvi) Fossil-fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input; or

(xxvii) Any other stationary source category which, as of August 7, 1980, is being regulated under section 111 or 112 of the Act.

(3) A major stationary source as defined in part D of title I of the Act, including:

(i) For ozone nonattainment areas, sources with the potential to emit 100 tpy or more of volatile organic compounds or oxides of nitrogen in areas classified as “marginal” or “moderate,” 50 tpy or more in areas classified as “serious”; 25 tpy or more in areas classified as “severe,” and 10 tpy or more in areas classified as “extreme”; except that the references in this paragraph (3)(i) to 100, 50, 25, and 10 tpy of nitrogen oxides shall not apply with respect to any source for which the Administrator has made a finding, under section 182(f) (1) or (2) of the Act, that requirements under section 182(f) of the Act do not apply;

(ii) For ozone transport regions established pursuant to section 184 of the Act, sources with the potential to emit 50 tpy or more of volatile organic compounds;

(iii) For carbon monoxide nonattainment areas:

(A) That are classified as “serious,” and

(B) in which stationary sources contribute significantly to carbon monoxide levels as determined under rules issued by the Administrator, sources

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with the potential to emit 50 tpy or more of carbon monoxide; and

(iv) For particulate matter (PM-10) nonattainment areas classified as “serious,” sources with the potential to emit 70 tpy or more of PM-10.

*Part 70 permit* means any permit or group of permits covering a part 70 source that has been issued, renewed, amended or revised pursuant to 40 CFR part 70.

*Part 70 program* or *State program* means a program approved by the Administrator under 40 CFR part 70.

*Part 70 source* means any source subject to the permitting requirements of 40 CFR part 70, as provided in §§70.3(a) and 70.3(b).

*Part 71 permit*, or *permit* (unless the context suggests otherwise) means any permit or group of permits covering a part 71 source that has been issued, renewed, amended or revised pursuant to this part.

*Part 71 program* means a Federal operating permits program under this part.

*Part 71 source* means any source subject to the permitting requirements of this part, as provided in §§71.3(a) and 71.3(b).

*Permit modification* means a revision to a part 71 permit that meets the requirements of §71.7(e).

*Permit program costs* means all reasonable (direct and indirect) costs required to administer an operating permits program, as set forth in §71.9(b).

*Permit revision* means any permit modification or administrative permit amendment.

*Permitting authority* means one of the following:

(1) The Administrator, in the case of EPA-implemented programs;

(2) A delegate agency authorized by the Administrator to carry out a Federal permit program under this part; or

(3) The State air pollution control agency, local agency, other State agency, Indian Tribe, or other agency authorized by the Administrator to carry out a permit program under 40 CFR part 70.

*Proposed permit* means the version of a permit that the delegate agency proposes to issue and forwards to the Administrator for review in compliance with §71.10(d).

*Regulated air pollutant* means the following:

(1) Nitrogen oxides or any volatile organic compounds;

(2) Any pollutant for which a national ambient air quality standard has been promulgated;

(3) Any pollutant that is subject to any standard promulgated under section 111 of the Act;

(4) Any Class I or II substance subject to a standard promulgated under or established by title VI of the Act; or

(5) Any pollutant subject to a standard promulgated under section 112 of the Act or other requirements established under section 112 of the Act, including sections 112 (g), (j), and (r) of the Act, including the following:

(i) Any pollutant subject to requirements under section 112(j) of the Act. If the Administrator fails to promulgate a standard by the date established pursuant to section 112(e) of the Act, any pollutant for which a subject source would be major shall be considered to be regulated on the date 18 months after the applicable date established pursuant to section 112(e) of the Act; and

(ii) Any pollutant for which the requirements of section 112(g)(2) of the Act have been met, but only with respect to the individual source subject to section 112(g)(2) requirements.

*Regulated pollutant (for fee calculation)*, which is used only for purposes of §71.9(c), means any regulated air pollutant except the following:

(1) Carbon monoxide;

(2) Any pollutant that is a regulated air pollutant solely because it is a Class I or II substance subject to a standard promulgated under or established by title VI of the Act; or

(3) Any pollutant that is a regulated air pollutant solely because it is subject to a standard or regulation under section 112(r) of the Act.

*Renewal* means the process by which a permit is reissued at the end of its term.

*Responsible official* means one of the following:

(1) For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or

decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

(i) the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or

(ii) the delegation of authority to such representative is approved in advance by the permitting authority;

(2) For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

(3) For a municipality, State, Federal, or other public agency: Either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of EPA); or

(4) For affected sources:

(i) The designated representative insofar as actions, standards, requirements, or prohibitions under title IV of the Act or 40 CFR parts 72 through 78 are concerned; and

(ii) The designated representative for any other purposes under part 71.

*Section 502(b)(10) changes* are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

*State* means any non-Federal permitting authority, including any local agency, interstate association, or statewide program. The term “State” also includes the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas Islands. Where such meaning is clear from the context, “State” shall have its conventional meaning. For purposes of the acid rain program, the term “State” shall be

limited to authorities within the 48 contiguous States and the District of Columbia as provided in section 402(14) of the Act.

*Stationary source* means any building, structure, facility, or installation that emits or may emit any regulated air pollutant or any pollutant listed under section 112(b) of the Act.

*Subject to regulation* means, for any air pollutant, that the pollutant is subject to either a provision in the Clean Air Act, or a nationally-applicable regulation codified by the Administrator in subchapter C of this chapter, that requires actual control of the quantity of emissions of that pollutant, and that such a control requirement has taken effect and is operative to control, limit or restrict the quantity of emissions of that pollutant released from the regulated activity. Except that:

(1) *Greenhouse gases (GHGs)*, the air pollutant defined in § 86.1818–12(a) of this chapter as the aggregate group of six greenhouse gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride, shall not be subject to regulation unless, as of July 1, 2011, the GHG emissions are at a stationary source emitting or having the potential to emit 100,000 tpy CO<sub>2</sub> equivalent emissions.

(2) The term *tpy CO<sub>2</sub> equivalent emissions (CO<sub>2</sub>e)* shall represent an amount of GHGs emitted, and shall be computed by multiplying the mass amount of emissions (tpy), for each of the six greenhouse gases in the pollutant GHGs, by the gas’s associated global warming potential published at Table A–1 to subpart A of part 98 of this chapter—Global Warming Potentials, and summing the resultant value for each to compute a tpy CO<sub>2</sub>e. For purposes of this paragraph, prior to July 21, 2014, the mass of the greenhouse gas carbon dioxide shall not include carbon dioxide emissions resulting from the combustion or decomposition of non-fossilized and biodegradable organic material originating from plants, animals, or micro-organisms (including products, by-products, residues and waste from agriculture, forestry and related industries as well as the non-fossilized and biodegradable organic fractions of

industrial and municipal wastes, including gases and liquids recovered from the decomposition of non-fossilized and biodegradable organic material).

[61 FR 34228, July 1, 1996, as amended at 64 FR 8262, Feb. 19, 1999; 69 FR 31505, June 2, 2004; 72 FR 24078, May 1, 2007; 74 FR 51439, Oct. 6, 2009; 75 FR 31608, June 3, 2010; 76 FR 43507, July 20, 2011]

**§ 71.3 Sources subject to permitting requirements.**

(a) *Part 71 sources.* The following sources are subject to the permitting requirements under this part:

- (1) Any major source;
- (2) Any source, including an area source, subject to a standard, limitation, or other requirement under section 111 of the Act;
- (3) Any source, including an area source, subject to a standard or other requirement under section 112 of the Act, except that a source is not required to obtain a permit solely because it is subject to regulations or requirements under section 112(r) of the Act;
- (4) Any affected source; and
- (5) Any source in a source category designated by the Administrator pursuant to this section.

(b) *Source category exemptions.* (1) All sources listed in paragraph (a) of this section that are not major sources, affected sources, or solid waste incineration units required to obtain a permit pursuant to section 129(e) of the Act are exempted from the obligation to obtain a part 71 permit until such time as the Administrator completes a rulemaking to determine how the program should be structured for nonmajor sources and the appropriateness of any permanent exemptions in addition to those provided for in paragraph (b)(4) of this section.

(2) In the case of nonmajor sources subject to a standard or other requirement under either section 111 or 112 of the Act after July 21, 1992 publication, the Administrator will determine whether to exempt any or all such applicable sources from the requirement to obtain a part 70 or part 71 permit at the time that the new standard is promulgated.

(3) [Reserved]

(4) The following source categories are exempted from the obligation to obtain a part 71 permit:

(i) All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR part 60, subpart AAA—Standards of Performance for New Residential Wood Heaters; and

(ii) All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR part 61, subpart M—National Emission Standard for Hazardous Air Pollutants for Asbestos, § 61.145, Standard for Demolition and Renovation.

(c) *Emissions units and part 71 sources.*

(1) For major sources, the permitting authority shall include in the permit all applicable requirements for all relevant emissions units in the major source.

(2) For any nonmajor source subject to the part 71 program under paragraphs (a) or (b) of this section, the permitting authority shall include in the permit all applicable requirements applicable to emissions units that cause the source to be subject to the part 71 program.

(d) *Fugitive emissions.* Fugitive emissions from a part 71 source shall be included in the permit application and the part 71 permit in the same manner as stack emissions, regardless of whether the source category in question is included in the list of sources contained in the definition of major source.

(e) An owner or operator of a source may submit to the Administrator a written request for a determination of applicability under this section.

(1) *Request content.* The request shall be in writing and include identification of the source and relevant and appropriate facts about the source. The request shall meet the requirements of § 71.5(d).

(2) *Timing.* The request shall be submitted to the Administrator prior to the issuance (including renewal) of a permit under this part as a final agency action.

(3) *Submission.* All submittals under this section shall be made by the responsible official to the Regional Administrator for the Region in which the source is located.