



General Permit to Limit Potential to Emit from Major Stationary Sources of Air Pollution

Issuance Date: November 9, 2015
Expiration Date: November 8, 2020

Bureau of Air Management
Engineering & Enforcement Division
Permitting Section
860-424-4152

General Permit to Limit Potential to Emit From Major Stationary Sources of Air Pollution

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General Permit to Limit Potential to Emit From Major Stationary Sources of Air Pollution

Section 1. Authority

This general permit is issued under the authority of section 22a-174(k) of the General Statutes.

Section 2. Definitions

(a) *Definitions*

As used in this general permit:

“*Act*” means the Federal Clean Air Act, 42 U.S.C. Sections 7401 to 7671q and Public Law 101-549.

“*Administrator*” means the administrator of the United States Environmental Protection Agency.

“*Aerospace manufacturing and rework operations*” has the same meaning as in section 22a-174-32 of the Regulations of Connecticut State Agencies.

“*Air pollution control equipment*” means any equipment which is designed to reduce emissions of air pollutants from a stationary source.

“*Annual*” means a calendar year beginning on January 1st and ending on December 31st for any given year.

“*Annual emissions summary*” means an annual emissions summary under Section 5(e)(2) of this general permit.

“*Applicable requirements*” has the same meaning as in section 22a-174-33 of the Regulations of Connecticut State Agencies.

“*Approval of registration*” means an approval of registration issued under Section 4(g) of this general permit.

“*Authorized activity*” means any activity authorized by this general permit.

“*Carbon dioxide equivalent emissions*” or “*CO₂e*” means an amount of greenhouse gas emitted, computed as follows:

(A) Individually, for each of the six component gases, multiply the mass amount of emissions of the component gas (tons per year) by the gas’s global warming potential identified in 40 CFR Part 98, Table A-1 (October 30, 2009); and

(B) Sum each of the six values resulting from the calculation in

subparagraph (A) of this definition.

“*CFR*” means the Code of Federal Regulations.

“*Commissioner*” means commissioner as defined by section 22a-2(b) of the General Statutes.

“*Continuous emission monitoring*” or “*CEM*” means a system for continuously measuring the emissions of any pollutant from a stationary source.

“*Day*” means the calendar day; if any date specified in the general permit falls on a Saturday, Sunday, or legal holiday, such deadline shall be the next business day thereafter.

“*Department*” means the department of energy and environmental protection.

“*Emergency engine*” means “emergency engine” as defined in section 22a-174 of the Regulations of Connecticut State Agencies.

“*Emission unit*” means “emission unit” as defined in 40 CFR §51.165(a)(l)(vii) .

“*EPA*” means the United States Environmental Protection Agency.

“*Greenhouse gases*” or “*GHG*” means the aggregate of the following six component gases: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), sulfur hexafluoride (SF₆), any hydrofluorocarbon (HFC)s, or any perfluorocarbon (PFC).

“*Hazardous air pollutant*” or “*HAP*” means, notwithstanding the definition in section 22a-174-1 of the Regulations of Connecticut State Agencies, any air pollutant listed in section 112(b) of the Federal Clean Air Act excluding hydrogen sulfide and caprolactam.

“*Hydrofluorocarbon*” or “*HFCs*” means the aggregate sum of the HFC compounds identified in 40 CFR Part 98, Table A-1.

“*Individual permit*” means a permit issued to a named permittee under section 22a-174(c) of the General Statutes.

“*Major stationary source*” has the same meaning as section 22a-174-1 of the Regulations of Connecticut State Agencies.

“*Maximum uncontrolled emissions*” means the rate of emissions for a source, determined without the application of air pollution control equipment unless the source is incapable of being operated without the air pollution control equipment, of a particular air pollutant where such rate is calculated using:

- (A) The maximum capacity of the source unless the commissioner determines that the source is physically unable to operate at that capacity or unless the maximum capacity is limited by restrictions on production

rates, hours of operation, or types of materials processed, stored or combusted either through permit conditions or other order of the commissioner; and

- (B) Information from relevant stack testing data or if such is not available, then the Compilation of Air Pollutant Emission Factors (AP-42) published by EPA or other information deemed more representative by the commissioner and the Administrator.

“Monitoring” means any action or procedure that is used to determine actual emissions from a stationary source or compliance with the requirements of any permit, order, statute or regulation.

“Municipality” means a city, town or borough of the state.

“Nitrogen oxides” or *“NO_x”* means the sum of all oxides of nitrogen, expressed as nitrogen dioxide.

“PM₁₀” means particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers as measured by a reference method set forth in 40 CFR Part 50, Appendix J, and designated as a reference method in accordance with 40 CFR Part 53 or by an equivalent method approved by the Administrator in accordance with 40 CFR Part 53.

“Perfluorocarbon” or *“PFCs”* means the aggregate sum of the PFC compounds identified in 40 CFR Part 98, Table A-1.

“Permittee” means any person to whom the commissioner has issued an approval of registration under this general permit.

“Person” means person as defined by section 22a-2(c) of the General Statutes.

“Potential emissions” or *“potential to emit”* has the same meaning as in section 22a-174-1 of the Regulations of Connecticut State Agencies.

“Practicably enforceable” has the same meaning as in section 22a-174-1 of the Regulations of Connecticut State Agencies.

“Premises” means the grouping of all stationary sources at any one location and owned or under the control of the same person or persons.

“Registrant” means a person who files a registration pursuant to Section 4 of this general permit.

“Registration” means a registration form filed with the commissioner pursuant to Section 4 of this general permit.

“Regulated air pollutant” has the same meaning as in section 22a-174-33 of the Regulations of Connecticut State Agencies.

“*Research and development operation*” has the same meaning as in section 22a-174-33 of the Regulations of Connecticut State Agencies.

“*Source of VOC and/or HAP*” means any metal cleaning; can coating; coil coating; fabric and vinyl coating; metal furniture coating; paper, film and foil coating; wire coating; miscellaneous metal and plastic parts coating; graphic arts rotogravures and flexography; flexible package printing; offset lithographic printing; appliance coating; industrial solvent cleaning; spray equipment cleaning; pleasure craft coating; degreaser, motor vehicle fueling operation, or any other spray, coating or hand wiping operation.

“*Title V source*” has the same meaning as in section 22a-174-33 of the Regulations of Connecticut State Agencies.

“*VOC containing material*” means any ink, coating, diluent, additive, solvent, or other material which contains VOC used in a source of VOC and/or HAP.

“*Volatile organic compound*” or “*VOC*” means “volatile organic compound” as defined in 40 CFR §51.100(s), as amended from time to time.

“*Wood furniture manufacturing operations*” has the same meaning as in section 22a-174-32 of the Regulations of Connecticut State Agencies.

(b) *Additional Definitions*

Any term not expressly defined in this general permit shall be defined as in section 22a-2 of the General Statutes, section 22a-174-1 of the Regulations of Connecticut State Agencies, *et seq.*, and 40 CFR §70.2.

Section 3. Authorization Under This General Permit

(a) *Eligible Activities*

- (1) Provided the requirements of Section 3(b) of this general permit are satisfied, this general permit is applicable to the owner or operator of any premises with:
 - (A) in the absence of this general permit, potential emissions that are equal to or exceed Title V source thresholds as defined in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies;
 - (B) actual aggregate emissions of each regulated air pollutant that are less than the emission levels specified in Section 5(a) of this general permit; and
 - (C) if actual aggregate emissions of any regulated air pollutant is equal to or exceeds 50% of a Title V source threshold as defined in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies,
 - (i) the source of such pollutant is from one or more of the following source categories: a source of VOC and/or HAP, batch or continuous chemical process, fuel burning combustion unit, non-metallic

mineral processing plant, concrete plant or asphalt plant; and

- (ii) has monitoring requirements associated with such source listed in Section 5(c) of this general permit.
- (2) For the purpose of determining the applicability of this general permit to any premises at which a research and development operation is located, the owner or operator of such premises shall include the emissions from such research and development operation in the total emissions from such premises.
 - (3) For the purpose of determining the applicability of this general permit to any premises that is subject to section 22a-174-32 of the Regulations of Connecticut State Agencies, Reasonably Available Control Technology (RACT) for volatile organic compounds (VOC), the owner or operator of such premises shall demonstrate, to the commissioner's satisfaction, that the actual emissions of VOC from such premises, including those from any research and development operations, in every calendar year after December 31, 1995 were less than the levels in section 22a-174-32(c)(1) of the Regulations of Connecticut State Agencies.
 - (4) Notwithstanding the above, this general permit shall not apply to the owner or operator of any premises that is subject to:
 - (A) Any acid rain control requirement pursuant to 40 CFR Parts 72 through 78 inclusive;
 - (B) Any solid waste combustion requirement pursuant to section 129(e) of the Act; or
 - (C) An individual Title V operating permit issued by the commissioner pursuant to section 22a-174-33 of the Regulations of Connecticut State Agencies or by the Administrator pursuant to 40 CFR Part 70 or 71.

(b) *Requirements for Authorization*

The commissioner may authorize the owners or operators listed in Section 3(a) of this general permit to operate in accordance with this general permit provided:

- (1) **Registration**

A completed registration with respect to such activity has been filed with the commissioner and the commissioner has issued an approval of registration with respect to such activity.
- (2) **Coastal Area Management**

Such activity is consistent with all applicable goals and policies in section 22a-92 of the General Statutes, and will not cause adverse impacts to coastal resources as defined in section 22a-93 of the General Statutes.

(c) ***Geographic Area***

This general permit applies throughout the State of Connecticut.

(d) ***Effective Date and Expiration Date of this General Permit***

This general permit is effective on the date it is issued by the commissioner and expires five years from such date of issuance.

(e) ***Effective Date of Authorization***

An activity is authorized by this general permit on the date the commissioner issues a written approval of registration with respect to such activity.

(f) ***Transition to and from an Individual Title V Permit***

No person shall operate or conduct an activity authorized by both an individual Title V permit and this general permit. The requirements for transitioning authorization are as follows:

- (1) *Transition from an Individual Title V Permit to Authorization under this General Permit.* If an activity meets the requirements of authorization of this general permit and such activity is presently authorized by an individual Title V permit, the existing individual Title V permit may be revoked by the commissioner upon a written request by the permittee. If the commissioner revokes such individual Title V permit in writing, such revocation shall take effect on the effective date of authorization of such activity by this general permit.
- (2) *Transition from Authorization under this General Permit to an Individual Title V Permit.* If an activity is authorized under this general permit and the commissioner subsequently issues an individual Title V permit for the same activity, then on the date any such individual permit is issued by the commissioner, the authorization under this general permit shall automatically expire.

Section 4. Registration Requirements

(a) ***Who Must File a Registration***

Any person seeking approval of registration under this general permit shall file with the commissioner:

- (1) A registration form which meets the requirements of Section 4 of this general permit and
- (2) The applicable fee.

(b) ***Scope of Registration***

A registrant shall submit one registration form for all activities taking place at a single premises for which the registrant seeks authorization under this general permit.

(c) ***Contents of Registration***

(1) Fees

- (A) A registration fee of \$2,760.00 established by section 22a-6f of the General Statutes shall be submitted with a registration form, provided that the registration fee for a municipality shall be \$1,380.00. A registration shall not be deemed complete and no activity shall be authorized by this general permit unless the registration fee has been paid in full.
- (B) The registration fee shall be paid by check or money order payable to the **Department of Energy and Environmental Protection**, or by such other method as the commissioner may allow.
- (C) The registration fee is **non-refundable**.

(2) Registration Form

A registration shall be filed on forms prescribed and provided by the commissioner and shall include but not be limited to the following:

- (A) Legal name, address and telephone number of the registrant. If the registrant is an entity transacting business in Connecticut and is required to register with the Connecticut Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State;
- (B) The legal name of the agent for service of process for the owner of the subject premises if the registrant is not the owner, the name and telephone number of the individual with primary managerial responsibility for the premises, and the name and telephone number of any individual designated by the owner or operator thereof to answer questions pertaining to such registration;
- (C) Legal name, address, and telephone number of any consultant(s) or engineer(s) retained by the registrant to prepare the registration;
- (D) Location address of the premises with respect to which the registration is submitted;
- (E) An indication of whether the registrant is seeking an emission limitation on regulated air pollutants to:
 - (i) **below 50%** of Title V source thresholds as defined in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies, excluding GHG which are limited to less than 100% of Title V source threshold as defined in section 22a-174-33(a)(10)(F)(iv) of the Regulations of Connecticut State Agencies; or
 - (ii) **up to but no more than 80%** of Title V source thresholds as defined in sections 22a-174-33(a)(10)(E) and (F) of the Regulations

of Connecticut State Agencies, excluding GHG which are limited to less than 100% of Title V source threshold as defined in section 22a-174-33(a)(10)(F)(iv) of the Regulations of Connecticut State Agencies.

- (F) The calculation of potential and actual emissions of regulated air pollutants from the premises, expressed in tons per year, based on the most recent consecutive 12 month period data that is available preceding the date of registration submittal or during such other time period(s) as the commissioner designates, provided that the alternative time period designated by the commissioner is representative of the premises' actual operation. Such consecutive 12 month period shall end less than or equal to three months prior to the date of calculation, unless otherwise designated by the commissioner. If the commissioner designates an alternative time period(s), the commissioner will so notify the registrant in writing, and within 30 days of receipt of such notice, the registrant shall submit emissions calculations consistent with such other time period(s).

A registrant shall determine the source of data for calculating emissions as follows:

- (i) Prior to February 1, 2016, the registrant shall determine the source of data for calculating such emissions in accordance with Sections 5(b)(1) and 5(b)(2)(A) of this general permit, regardless of the emission limitation sought;
 - (ii) On and after February 1, 2016, the registrant shall determine the source of data for calculating such emissions in accordance with Section 5(b) of this general permit;
- (G) A detailed description of the methodology the registrant used to calculate the actual and potential emissions, including the basis of such calculations;
 - (H) A description of all emission units, air pollution control equipment, and emission monitoring equipment at the premises. If emission units and associated equipment are located in more than one building on the premises, include information on the location of such units or equipment so as they may be readily located and identified;
 - (I) An owner or operator of a premises that is subject to section 22a-174-32 of the Regulations of Connecticut State Agencies, Reasonably Available Control Technology (RACT) for VOC, who seeks to demonstrate that actual emissions of VOC do not exceed the levels specified in Section 3(a)(3) of this general permit shall, at a minimum, submit:
 - (i) written documentation of the actual emissions of VOC from the premises for every calendar year, or portion thereof, after December 31, 1995 through the calendar year in which such information is submitted. The commissioner may require the submittal of

documentation of actual emissions from another period of time in order to determine representative actual emissions; and

- (ii) a report that includes the information specified in subparagraphs (B) through (E), inclusive, of section 22a-174-32(d)(2) of the Regulations of Connecticut State Agencies;
- (J) A registrant for which the requested limit in Section 4(c)(2)(E) of this general permit is “**up to but no more than 80%**” of Title V source thresholds as defined in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies, excluding GHG which are limited to less than 100% of Title V source threshold as defined in section 22a-174-33(a)(10)(F)(iv) of the Regulations of Connecticut State Agencies, shall submit applicable source category and monitoring information;
- (K) The record of the registrant, the principals, and any parent company or subsidiary of the registrant, regarding compliance with environmental protection laws of this state, all other states and federal government; and
- (L) The signature of the registrant and of the individual or individuals responsible for actually preparing the registration, each of whom shall certify in writing as follows:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this general permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.

I certify that this general permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

The registrant, permittee, or duly authorized representative of the registrant or permittee certifies that their signature being submitted herewith complies with section 22a-174-2a(a) of the Regulations of Connecticut State Agencies.

I certify that I have read the *General Permit to Limit Potential to Emit From Major Stationary Sources of Air Pollution* issued by the commissioner of the Department of Energy and Environmental Protection and that the activities which are the subject of this registration are eligible for authorization under such permit.”

(d) *Re-Registration Under this General Permit*

- (1) A permittee shall re-register to request a change in an approved emission limitation of regulated air pollutants between **below 50%** and **up to but no more than 80%** of Title V source thresholds as defined in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies, excluding GHG which are limited to less than 100% of Title V source threshold as defined in section 22a-174-33(a)(10)(F)(iv) of the Regulations of Connecticut State Agencies;
- (2) Such re-registration shall meet the eligibility requirements of Section 3(a) of this general permit; and
- (3) Such re-registration shall be made in accordance with Section 4 of this general permit.

(e) *Where to File a Registration*

A registration shall be filed with the commissioner at the following address:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

(f) *Additional Information*

The commissioner may require a registrant to submit additional information which the commissioner reasonably deems necessary to evaluate the consistency of the subject activity with the requirements for authorization under this general permit. Such information shall be submitted to the commissioner, in writing, within 45 days of such notification and shall be certified in accordance with Section 6(e) of this general permit.

(g) *Action by Commissioner*

- (1) The commissioner may reject a registration if the registration is not accompanied by the required fee or the commissioner determines that the registration does not include the information required in Section 4(c) of this general permit. Any registration refiled after such a rejection shall be accompanied by the fee specified in Section 4(c)(1) of this general permit.
- (2) The commissioner may deny a registration if it is found that the subject activity is inconsistent with the requirements for authorization under Section 3 of this general permit, or for any other reason provided by law.
- (3) Denial or rejection of a registration under this subsection shall constitute notice to the registrant that the subject activity may not lawfully be conducted or maintained without the issuance of an individual Title V permit issued pursuant to section 22a-174(c) of the General Statutes and section 22a-174-33 of the Regulations of Connecticut State Agencies.

(4) Rejection, denial, or approval of a registration shall be in writing.

(5) Approval of Registration

In determining whether to authorize the emissions set forth in either Section 5(a)(1) or 5(a)(2) of this general permit, the commissioner will rely upon the registration submitted by a registrant. An approval of registration issued by the commissioner authorizing operation under this general permit shall:

- (A) limit the actual emissions of each regulated air pollutant during any and every consecutive 12 months to **up to but no more than 80%** of Title V source thresholds as defined in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies, excluding GHG which shall be limited to less than 100% of Title V source threshold as defined in section 22a-174-33(a)(10)(F)(iv) of the Regulations of Connecticut State Agencies, as identified in Section 5(a)(1) of this general permit; or
- (B) limit the actual emissions of each regulated air pollutant during any and every consecutive 12 months to **below 50%** of Title V source thresholds as defined in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies, excluding GHG which shall be limited to less than 100% of Title V source threshold as defined in section 22a-174-33(a)(10)(F)(iv) of the Regulations of Connecticut State Agencies, as identified in Section 5(a)(2) of this general permit; and
- (C) impose monitoring, emission testing, record keeping, and reporting requirements with respect to the emission unit(s) at the premises which is the subject of such approval of registration.

(6) List of Sources Approved Under this General Permit

The commissioner will prepare and annually amend a listing of all permittees under this general permit. Such listing shall be made available to the public through the department's Bureau of Air Management.

Section 5. Conditions of This General Permit

The permittee shall at all times continue to meet the requirements for authorization set forth in Section 3 of this general permit. A permittee authorized by this general permit to emit **up to but no more than 80%** of the Title V source thresholds, excluding GHG which shall be limited to less than 100% of Title V source threshold, shall comply with all requirements of this general permit applicable for such authorization, regardless of whether such permittee's actual emissions are less than 50% of such Title V source thresholds in any consecutive 12 month period. In addition, the permittee shall assure that activities authorized by this general permit are conducted in accordance with the following conditions:

(a) *Emission Limitations*

As indicated on a permittee's approval of registration issued in accordance with Section 4(g)(5) of this general permit, emissions of any regulated air pollutant, during each and every consecutive 12 month period shall be limited to:

- (1) **up to but no more than 80%** of the Title V source emission levels in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies, excluding GHG which shall be limited to less than 100% of Title V source threshold as defined in section 22a-174-33(a)(10)(F)(iv) of the Regulations of Connecticut State Agencies, provided that:
 - (A) the source of such emissions at the facility are from one or more of the following source categories: a source of VOC and/or HAP, batch or continuous chemical process, fuel burning combustion unit, non-metallic mineral processing plant, concrete plant or asphalt plant; and
 - (B) the permittee complies with the monitoring requirements associated with such source listed in Section 5(c) of this general permit; or
- (2) **less than 50%** of the Title V source emission levels in sections 22a-174-33(a)(10)(E) and (F) of the Regulations of Connecticut State Agencies, excluding GHG which shall be limited to less than 100% of Title V source threshold as defined in section 22a-174-33(a)(10)(F)(iv) of the Regulations of Connecticut State Agencies.

(b) *Source of Data for Calculating Emissions*

- (1) The calculations referred to in Section 4(c)(2)(F) and 5(d) of this general permit shall be based on the rate of emissions. Only those control efficiency limitations which are federally or practicably enforceable may be included in the calculation of potential emissions rather than higher efficiencies which may be found in practice.
- (2) Unless otherwise required by the commissioner pursuant to section 22a-174-32(f) of the Regulations of Connecticut State Agencies,
 - (A) A permittee authorized by this general permit to emit in accordance with the limits in Section 5(a)(2) of this general permit shall determine the rate of emissions as follows:
 - (i) If data are available from continuous emissions monitoring equipment installed, operated, and certified in accordance with a permit or order, or regulation issued or administered by the commissioner or the Administrator, or a commissioner approved voluntarily installed Continuous Emissions Monitor (CEM), such data shall be used to determine the rate of emissions.
 - (ii) If the data in Section 5(b)(2)(A)(i) of this general permit is unavailable but stack testing data are available, such stack testing data shall be used to determine the rate of emissions, provided such testing was conducted in accordance with protocols approved in writing by the commissioner or the Administrator in advance of testing and a representative of the commissioner or the Administrator

has been provided the opportunity to witness such testing.

- (iii) If the data in Sections 5(b)(2)(A)(i) and (ii) of this general permit are unavailable, the rate of emissions shall be calculated using data supplied by the manufacturer of the subject emission unit(s), which data were derived from EPA-approved emissions testing of such unit performed by or for the manufacturer.
 - (iv) If the data in Sections 5(b)(2)(A)(i), (ii) and (iii) of this general permit are unavailable, the rate of emissions shall be calculated using data derived from an analysis of pertinent material balances conducted by an individual with appropriate knowledge of the subject process.
 - (v) If the data in Sections 5(b)(2)(A)(i), (ii), (iii) and (iv) of this general permit are unavailable, the rate of emissions shall be calculated using the data or emissions estimation techniques that result in the highest rate of emissions from the following EPA publications:
 - a. Compilation of Air Pollutant Emission Factors (AP-42);
 - b. AIRS Facility Subsystem Emission Factors; and
 - c. The Emission Inventory Improvement Program (EIIP).
 - (vi) For GHG emissions, if the data in Sections 5(b)(2)(A)(i), (ii), (iii), (iv) and (v) of this general permit are unavailable, GHG emissions rates shall be calculated using the default CO₂ emission factors identified in 40 CFR Part 98, Table C-1 (October 30, 2009) and default emission factors for CH₄ and N₂O identified in 40 CFR Part 98, Table C-2 (October 30, 2009).
 - (vii) If the data in Sections 5(b)(2)(A)(i), (ii), (iii), (iv), (v) and (vi) of this general permit are not available, the emission rate shall be calculated using another source of emissions data that is approved by the commissioner and the Administrator.
- (B) A permittee authorized by this general permit to emit in accordance with the limits in Section 5(a)(1) of this general permit shall determine the rate of emissions as follows:
- (i) For GHG, the rate of emissions shall be determined in accordance with Section 5(b)(2)(A) of this general permit.
 - (ii) For each regulated air pollutant, other than GHG, for which aggregate premises wide potential emissions as indicated in the registration form submitted in accordance with Section 4 of this general permit and aggregate premises wide actual emissions for such pollutant is less than 50% of the Title V source thresholds, during any consecutive 12 month period which includes or follows the 12th month after the issuance of an approval of registration under

this general permit, the rate of emissions shall be determined in accordance with Section 5(b)(2)(A) of this general permit.

- (iii) For each regulated air pollutant, other than GHG, for which aggregate premises wide potential emissions as indicated in the registration form submitted in accordance with Section 4 of this general permit and aggregate premises wide actual emissions for such pollutant is greater than or equal to 50% of the Title V source thresholds, during any consecutive 12 month period which includes or follows the 12th month after the issuance of an approval of registration under this general permit, the rate of emissions shall be determined as follows:
 - a. If data are available from continuous emissions monitoring equipment installed, operated, and certified in accordance with a permit or order, or regulation issued or administered by the commissioner or the Administrator, or a commissioner approved voluntarily installed CEM, such data shall be used to determine the rate of emissions.
 - b. If the data in Section 5(b)(2)(B)(iii)a. of this general permit is unavailable but stack testing data are available, such stack testing data shall be used to determine the rate of emissions, provided such testing was conducted in accordance with protocols approved in writing by the commissioner or the Administrator in advance of testing and a representative of the commissioner or the Administrator has been provided the opportunity to witness such testing.
 - c. If the data in Sections 5(b)(2)(B)(iii)a. and b. of this general permit are unavailable, the rate of emissions shall be calculated using data supplied by the manufacturer of the subject emission unit(s), which data were derived from EPA-approved emissions testing of such unit performed by or for the manufacturer.
 - d. If the data in Sections 5(b)(2)(B)(iii)a., b. and c. of this general permit are unavailable, the emissions rate shall be calculated using data derived from an analysis of pertinent material balances conducted by an individual with appropriate knowledge of the subject process.
 - e. If the data in Sections 5(b)(2)(B)(iii)a., b., c., and d. of this general permit are unavailable, emission rates for emergency engines may be calculated using an AP-42 emission factor with a rating of D or better; hazardous air pollutant (HAP) and condensable PM emission rates for external combustion units, excluding incinerators, may be calculated using an AP-42 emission factor with a rating of D or better; and a batch or continuous chemical process may use the Emission Inventory Improvement (EIIP) published by EPA.
 - f. If the data in Sections 5(b)(2)(B)(iii)a., b., c., d. and e. of this

general permit are not available, the emission rate shall be calculated using another source of emissions data that is approved by the commissioner and the Administrator.

- (C) Notwithstanding Section 5(b)(2)(B)(iii) of this general permit, for each emissions unit which has maximum uncontrolled emissions of less than 0.1 ton per year for the pollutant subject to Section 5(b)(2)(B)(iii) of this general permit, the rate of emissions shall be determined in accordance with Section 5(b)(2)(A) of this general permit.
- (D) Notwithstanding the foregoing, or the availability of the data specified in Section 5(b) of this general permit, the commissioner or Administrator may require the use of more reliable data, as determined by the commissioner or Administrator, as it becomes available or source specific air emissions testing in accordance with section 22a-174-5 of the Regulations of Connecticut State Agencies or as required by EPA under the authority of the Federal Clean Air Act.

(c) *Monitoring Requirements*

Beginning February 1, 2016, a permittee authorized to emit in accordance with the limits in Section 5(a)(1) of this general permit shall monitor:

- (1) VOC or HAP emissions from a source of VOC and/or HAP, as defined in this general permit, by use of record keeping in accordance with Section 5(d)(2)(B) of this general permit.
- (2) VOC or HAP emissions from a batch or continuous chemical process by use of:
 - (A) The temperature of each vent condenser used hourly during vessel depressurization for each continuous process;
 - (B) The temperature of each vent condenser during each batch produced for each batch process; and
 - (C) record keeping in accordance with Section 5(d)(2)(C) of this general permit.
- (3) Emissions from a fuel burning combustion unit by the use of:
 - (A) CEM in accordance with the requirements of an applicable permit, order, statute or regulation or a commissioner approved voluntarily installed CEM, as applicable; and record keeping in accordance with Section 5(d)(2)(D) of this general permit;
 - (B) If data from Section 5(c)(3)(A) of this general permit is not available, a unit specific emission rate established through commissioner approved emissions testing in accordance with requirements of an applicable permit, order, statute or regulation, or commissioner approved voluntary testing,

as applicable; fuel consumption through a dedicated non-resettable fuel flow meter and record keeping in accordance with Section 5(d)(2)(D) of this general permit;

- (C) If data from Sections 5(c)(3)(A) and (B) of this general permit is not available, a manufacturer provided emission rate, fuel consumption through a dedicated non-resettable fuel flow meter and record keeping in accordance with Section 5(d)(2)(D) of this general permit; or
- (D) If data from Sections 5(c)(3)(A), (B) and (C) of this general permit is not available, and the fuel burning combustion source is an emergency engine; an AP-42 emission factor with a rating of D or better, fuel consumption through a dedicated non-resettable fuel flow meter and record keeping in accordance with Section 5(d)(2)(D) of this general permit.

(4) PM₁₀ and Nitrogen Oxides (NO_x) emissions from a non-metallic mineral processing plant, concrete plant or asphalt plant by use of:

- (A) Record keeping in accordance with Section 5(d)(2)(E) of this general permit;
- (B) A dedicated non-resettable fuel meter for each piece of fuel burning equipment; and
- (C) A weigh scale/belt, or other equivalent measuring device/system, to measure process throughput for each piece of equipment.

(d) Record Keeping Requirements

(1) A permittee shall make and maintain records necessary to calculate reliably the actual emissions of regulated air pollutants from each emission unit, grouped emission unit, or other logical grouping. The records shall allow for such calculations for all regulated air pollutants identified in Section 5(a) of this general permit. Such records shall include, but are not limited to the following:

- (A) A log for each month that shall include:
 - (i) the total amount of fuels, solvents, coatings or raw materials used, by each emission unit if applicable, during each month in which the use results in the emission of a regulated air pollutant identified in Section 5(a) of this general permit;
 - (ii) an identification of the fuels, solvents, coatings or raw materials used, by each emission unit if applicable, during each month;
 - (iii) the actual operating hours of each emission unit during each month, as necessary to calculate emissions;
 - (iv) any other documentation the commissioner reasonably deems necessary to reliably calculate actual emissions of air pollutants regulated under this general permit; and

- (v) all purchase orders, invoices, or other documents necessary to verify information and calculations in the monthly log.
 - (B) A log of the maximum rated capacity of each emission unit.
 - (C) A log of annual actual emissions of each regulated air pollutant(s) emitted from the premises.
 - (D) If a permittee subject to Section 3(a)(3) of this general permit, all required records pursuant to section 22a-174-32(g) of the Regulations of Connecticut State Agencies.
 - (E) A permittee shall keep a copy of the registration form submitted to the commissioner, including applicable attachments, on which the current approval of registration is based.
- (2) In addition to the requirements of Section 5(d)(1) of this general permit, beginning February 1, 2016, a permittee authorized to emit in accordance with the limits in Section 5(a)(1) of this general permit shall keep the following records:
- (A) The total quantity of each regulated air pollutant with actual emissions at or above 50% of the emission limitations specified in Section 5(a) of this general permit, as reported in the registration for approval under this general permit or as logged pursuant to Section 5(d)(1) of this general permit, expressed in tons, pounds, or otherwise as the commissioner or administrator may require, during each month and for each consecutive 12 months;
 - (B) For each source of VOC and/or HAP:
 - (i) Name and description of each VOC containing material or HAP containing material used;
 - (ii) Density of each VOC containing material or HAP containing material used in pounds per gallon;
 - (iii) VOC content of each VOC containing material, as applied, and the associated calculations, if different than as supplied;
 - (iv) VOC content of each VOC containing material, as supplied;
 - (v) Water and exempt VOC content compound content of each VOC containing material, as-applied, by weight and volume, and the associated calculations;
 - (vi) HAP content of each material as applied, by weight or volume, and the associated calculations, if different than as supplied;

- (vii) A Material Safety Data Sheet, Environmental Data Sheet, Certified Product Data Sheet, or an equivalent data sheet for each VOC material used;
 - (viii) Monthly and consecutive 12 month period amounts of each VOC containing material or HAP containing material used in gallons or pounds;
 - (ix) Monthly and consecutive 12 month period amounts of each VOC containing material or HAP containing material manifested as waste;
 - (x) Documentation of control device efficiency and capture efficiency, if applicable, using an applicable EPA reference method or alternate method as approved by the commissioner and EPA;
 - (xi) Date and type of maintenance performed on air pollution control equipment, if applicable; and
 - (xii) Monthly and consecutive 12 month period VOC and HAP actual emissions, and the associated calculations.
- (C) For each batch or continuous chemical process:
- (i) Name and description of each VOC containing material or HAP containing material used;
 - (ii) Density of each VOC containing material or HAP containing material used in pounds per gallon;
 - (iii) VOC content of each VOC containing material, as applied, and the associated calculations, if different than as supplied;
 - (iv) VOC content of each VOC containing material, as supplied;
 - (v) Water and exempt VOC content compound content of each VOC containing material, as-applied, by weight and volume, and the associated calculations;
 - (vi) HAP content of each material as applied, by weight or volume, and the associated calculations, if different than as supplied;
 - (vii) A Material Safety Data Sheet, Environmental Data Sheet, Certified Product Data Sheet, or an equivalent data sheet for each VOC material used;
 - (viii) For each continuous process;
 - a. Calculations showing the derivation of hourly emission rates;
 - b. Record of each process change which significantly affects an

- emission rate;
 - c. Monthly record of operating hours;
 - d. Monthly record including each start-up;
 - e. Record of the temperature of each vent condenser used hourly during vessel depressurization; and
 - f. Monthly and consecutive 12 month record of actual emissions;
- (ix) For each type of batch process:
- a. Calculations showing the derivation of the amount of emissions;
 - b. Record of each process change which significantly affects an emission rate;
 - c. Monthly record of batches produced;
 - d. Record of temperature of each vent condenser during each batch produced; and
 - e. Monthly and consecutive 12 month record of actual emissions;
- (x) For each storage tank:
- a. Calculations showing the derivation of the amount of emissions;
 - b. Monthly record of the amount and type of material transferred to each tank;
 - c. Monthly record of average storage temperature for each storage tank that is heated;
 - d. Record of each time a drum of carbon used for vent control is replaced; and
 - e. Monthly and consecutive 12 month record of actual emissions;
- (xi) For fugitive equipment leaks:
- a. Calculations showing the derivation of the amount of emissions;
 - b. An inventory of equipment leak components at the premises including the component type, component service and stream composition;
 - c. Record of leak detection measurements used to estimate fugitive equipment leaks;
 - d. Monthly records of the hours of service for each equipment leak component unless 24 hours per day and seven days per week is assumed;
 - e. Record of each leak detected including those detected during required leak detection monitoring; and

- f. Monthly and 12 consecutive month record of actual emissions.
- (D) For each fuel burning combustion unit:
- (i) A log of CEM data, if applicable;
 - (ii) A copy of emission test results, if applicable;
 - (iii) A copy of manufacturer emission data records, if applicable;
 - (iv) A log of monthly and consecutive 12 month fuel consumption; and
 - (v) A log of monthly and consecutive 12 month period actual emissions and calculations.
- (E) For each piece of equipment in a non-metallic mineral processing plant, concrete plant or asphalt plant:
- (i) A log of the quantity of fuel used, in gallons or cubic feet, for each day, month and each consecutive 12 month period;
 - (ii) For each nongaseous fuel shipment received, record of the sulfur content as a percent by weight, dry basis, and type of fuel;
 - (iii) A log of the quantity of materials processed, in tons, for each day, month and consecutive 12 month period; and
 - (iv) A log of the monthly and consecutive 12 month period PM₁₀ and NO_x actual emissions and calculations.
- (3) Monthly and consecutive 12 month records required by this general permit shall be created no later than 45 days after the end of each month or consecutive 12 month period.
- (4) Annual records required by this general permit shall be created no later than March 1st of each year.
- (5) A permittee shall maintain each record required by this subsection at the premises where the authorized activity takes place for five years after the date such record is made. Upon written approval by the commissioner, a permittee may maintain each record at a location other than the premises. A permittee shall promptly provide any such record or copy thereof to the commissioner or the Administrator upon request.
- (6) Notwithstanding any other provision of this subsection, a permittee shall not be required to make or keep records concerning the purchase or use of any item or the conduct of any activity that results in the emission of a regulated air pollutant identified in Section 5(a) of this general permit if such item or activity is listed in section 22a-174-33(g)(3) of the Regulations of Connecticut State Agencies and such item or activity is unrelated to the principal function of the

premises.

(e) Reporting Requirements

(1) Annual Compliance Certification

- (A) A permittee shall submit to the commissioner on or before March 1st of each year in which the permittee is registered under this general permit, an annual compliance certification with respect to the premises for the previous calendar year, or portion thereof. Such compliance certification shall be submitted on forms provided by the commissioner and shall contain the information specified in 40 CFR §§70.6(c)(5)(iii)(A) to (C), inclusive.
- (B) A permittee shall submit any additional information requested in writing which the commissioner reasonably deems necessary to verify actual emissions. Such additional information shall be submitted within 14 days of receipt of such request or within a later time frame if indicated in such request.

(2) Annual Emissions Summary

A permittee authorized by this general permit to emit in accordance with the limits in Section 5(a)(1) of this general permit shall submit to the commissioner on or before March 1st of each year, an annual emissions summary with respect to the premises for each calendar year, or portion thereof, a permittee is registered under this general permit. Such annual emissions summary shall be submitted on forms provided by the commissioner and shall contain the following information with respect to any emissions limitation for which the premises actual emissions are at or above 50% of a Title V source threshold:

- (A) The total quantity of emissions of a regulated air pollutant identified in Section 5(a) of this general permit, expressed in tons, pounds, or otherwise as the commissioner or the administrator may require. Such emissions shall be reported for each and every consecutive 12 month period which ended during the previous calendar year, expressed as a 12 month aggregate; and
- (B) Any additional information requested in writing which the commissioner reasonably deems necessary to verify actual emissions. Such additional information shall be submitted within 14 days of receipt of such request or within a later time frame if indicated in such request.

(3) Exceedances

A permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, any exceedance of an emissions limitation established in this general permit and shall identify the cause or likely cause of such exceedance, all corrective actions and preventative measures taken with respect thereto, and the dates of such actions and measures, as follows:

- (A) Any such exceedance that poses an imminent and substantial danger to

public health, safety or the environment immediately but no later than 24 hours after the permittee learns, or in the exercise of reasonable care should have learned, of such exceedance; and

- (B) Any such exceedance which does not pose an imminent and substantial danger to public health, safety or the environment within ten working days after the permittee learns of such exceedance.

Section 6. General Conditions

(a) Reliance on Registration

When evaluating a registration, the commissioner relies on information provided by the registrant. If such information proves to be false or incomplete, the authorization issued under this general permit may be suspended or revoked in accordance with law, and the commissioner may take any other legal action provided by law.

(b) Duty to Comply with this General Permit

A permittee shall comply with all conditions and applicable requirements of this general permit. The terms and conditions of this general permit shall not supersede more stringent emissions limitations or operational limitations established in any order or permit issued by the commissioner pursuant to section 22a-174 of the General Statutes.

(c) Duty to Correct and Report Emissions Exceedances

Upon learning of an exceedance of an emissions limitation set forth in this general permit, a permittee shall immediately take all reasonable actions to determine the cause of such exceedance, correct such exceedance and mitigate its results, and to prevent any further exceedance. Such exceedance shall be reported in writing to the commissioner in accordance with Section 5(e)(3) of this general permit.

(d) Duty to Provide Information

If the commissioner requests any information pertinent to the authorized activity or to determine compliance with this general permit, the permittee shall provide such information in writing within 45 days of such request. Such information shall be certified in accordance with Section 6(e) of this general permit.

(e) Certification of Documents

A registration and any form, report, or other document required by or submitted pursuant to this general permit shall be signed by an individual identified in section 22a-174-2a of the Regulations of Connecticut State Agencies, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of

my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

The registrant, permittee, or duly authorized representative of the registrant or permittee certifies that their signature being submitted herewith complies with section 22a-174-2a(a) of the Regulations of Connecticut State Agencies.”

(f) *Date of Filing*

For purposes of this general permit, the date of filing with the commissioner of any document is the date such document is received by the commissioner.

(g) *False Statements*

Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

(h) *Correction of Inaccuracies*

(1) Within 15 days after the date a permittee becomes aware of a change in any of the information submitted pursuant to this general permit, becomes aware that any such information is inaccurate or misleading, or that relevant information has been omitted, such permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the commissioner. Such information shall be certified in accordance with Section 6(e) of this general permit. The provisions of this subsection shall apply both while a request for approval of registration is pending and after the commissioner has approved such request.

(2) The provisions of this subsection apply to the permittee’s representations as set out in submitted information. The provisions of this subsection are not applicable to physical or operational changes at the premises that occur after the commissioner issues an approval of a registration.

(i) *Transfer of Authorization*

An approval of registration under this general permit is transferable only in accordance with the provisions of section 22a-60 of the General Statutes. Any person proposing to transfer an approval of registration shall submit a license transfer form to the commissioner to transfer the previous permit authorization to a new registrant. The new registrant is not authorized by this general permit until the transfer is approved by the commissioner.

(j) *Other Applicable Law*

Nothing in this general permit shall relieve the permittee of the obligation to comply with any other applicable federal, state and local law, including but not limited to the obligation to obtain any other authorizations required by such law.

(k) Other Rights

This general permit is subject to and does not derogate any present or future rights or powers of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges, and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or activity affected by such general permit. In conducting any activity authorized hereunder, the permittee may not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this general permit shall not create any presumption that this general permit should or will be renewed.

Section 7. Commissioner's Powers

(a) Abatement of Violations

The commissioner may take any action provided by law to abate a violation of this general permit, including the commencement of proceedings to collect penalties for such violation. Nothing herein shall be construed to affect any remedy available to the commissioner by law.

(b) General Permit or Approval of Registration Revocation or Suspension or General Permit Modification

The commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this general permit or an approval of registration issued hereunder, or modify this general permit to establish any appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

(c) Filing of an Individual Title V Permit Application

If the commissioner notifies a permittee in writing that such permittee must obtain an individual Title V permit to continue lawfully conducting the activity authorized by this general permit, the permittee may continue conducting such activity only if the permittee files an application for an individual Title V permit within 60 days of receiving the commissioner's notice. While such application is pending before the commissioner, the permittee shall comply with the terms and conditions of this general permit and the subject approval of registration. Nothing herein shall affect the commissioner's power to revoke a permittee's authorization under this general permit at any time.

Issued Date: November 9, 2015

MICHAEL SULLIVAN
Deputy Commissioner

This is a true and accurate copy of the general permit executed on **November 9, 2015** by the Department of Energy and Environmental Protection.