



**GOVERNMENT OF THE DISTRICT OF COLUMBIA**

District Department of the Environment

Air Quality Division

**MINOR NEW SOURCE REVIEW PERMIT SUPPLEMENTAL APPLICATION**

This Form is Required\* for Any Non-Major Stationary Source Applying to Obtain a Permit to Construct a New Stationary Source, Modify an Existing Stationary Source, or Install or Modify an Air Pollution Control Device (20 DCMR § 209)

*Note: If the source is required to comply with the District of Columbia's major source New Source Review (20 DCMR § 204) or Plantwide Applicability Limit (20 DCMR § 208) regulations, then completion of this form is not necessary.*

|                                                    |                                         |
|----------------------------------------------------|-----------------------------------------|
| 1. Full Legal Name of Applicant/Organization:      |                                         |
| 2. Facility Name, if different:                    |                                         |
| 3. Owner/Authorized Representative Name and Title: |                                         |
| 4. Facility Street Address:                        | 5. Name of Contact Person at the Site:  |
|                                                    | 6. Title of Contact Person at the Site: |
|                                                    | 7. Contact Person's Telephone Number:   |
|                                                    | 8. Contact Person's Email Address:      |
| 9. Facility Type and Purpose:                      |                                         |
| 10. Individual Unit ID and Description:            |                                         |

*\*Note that use of this form may be waived by the Air Quality Division (AQD) in cases where other sources of information, such as other application forms or emission calculation sheets, provide sufficient information to determine non-applicability of the Minor New Source Review program. Please contact AQD at (202) 535-2250 and ask for a representative of the Permitting Branch if you have any questions.*

## Minor New Source Review Permit Supplemental Application

Page 2

11. Does the potential to emit (PTE) of the **individual unit, including any collateral emission increases resulting from operation of a proposed control device**, result in an increase of five (5) tons per year (tpy) or greater of any of the following pollutants:

20 DCMR § 209.1(b)

| Pollutant                                                                                | Yes | No | PTE Before*<br>(in tons per year) | PTE After<br>(in tons per year) |
|------------------------------------------------------------------------------------------|-----|----|-----------------------------------|---------------------------------|
| Volatile Organic Compounds (VOCs)                                                        |     |    |                                   |                                 |
| Oxides of Nitrogen (NO <sub>x</sub> )                                                    |     |    |                                   |                                 |
| Sulfur Dioxide (SO <sub>2</sub> )                                                        |     |    |                                   |                                 |
| Particulate Matter less than 10 microns in aerodynamic diameter (PM <sub>10</sub> )      |     |    |                                   |                                 |
| Particulate Matter less than 2.5 microns in aerodynamic diameter (PM <sub>2.5</sub> )    |     |    |                                   |                                 |
| Aggregate of any hazardous air pollutants (HAPs) listed in § 112(b) of the Clean Air Act |     |    |                                   |                                 |

\* If the unit did not exist before construction, fill in "0"

If the response for all pollutants in question 11 is NO, include sufficient documentation to demonstrate that the facility does not meet the 5 ton per year minor new source review (NSR) applicability thresholds. 20 DCMR § 209.2

If the response for one or more pollutants in question 11 is YES, continue to the next section.

.....

To comply with 20 DCMR § 209.3, emissions of each pollutant from the source must be controlled by operating emission control technologies or pollution prevention methodologies that meet one (1) or more of the following requirements:

- (a) LAER – the lowest achievable emission rate (LAER);
- (b) BACT – the best available control technology (BACT);
- (c) MACT – for a HAP, a maximum achievable control technology (MACT) or other standard resulting from a residual risk determination promulgated under 40 C.F.R. Part 63 or, where applicable, a more stringent standard adopted under Title 20 of the District of Columbia Municipal Regulations (DCMR);
- (d) An emission control technology or pollution prevention methodology approved in advance by the Department for a similar facility; or
- (e) An emission control technology or pollution prevention methodology approved by the Department on a case-by-case basis. (If a case-by-case determination is included, continue to Page 4.)

## Minor New Source Review Permit Supplemental Application

Page 3

*If emissions from the source will be controlled using any of options (a) through (d), complete question 12.*

*If emissions from the source will be controlled using option (e), skip question 12 and complete questions 13 through 16.*

12. Emissions from the applicable unit will be controlled to meet the requirements of:

- ☐ LAER
- ☐ BACT
- ☐ MACT
- ☐ A technology or methodology approved for a similar facility

Describe in detail why the selected control technology or pollution prevention measure was chosen to limit emissions to the atmosphere. Include an explanation of the basis for determining that this technology or measure meets the standard checked above.

*Use additional pages as necessary.*

## Minor New Source Review Permit Supplemental Application

Page 4

For a case-by-case determination, please complete steps 13 to 16.

20 DCMR § 209.4

13. List all potential emission control technologies and pollution prevention methodologies that may be applied to the source and evaluate the air pollution control effectiveness of each option:

20 DCMR § 209.5(a)

| Potential Measure | Air Pollution Control Effectiveness |
|-------------------|-------------------------------------|
|                   |                                     |
|                   |                                     |
|                   |                                     |
|                   |                                     |
|                   |                                     |
|                   |                                     |

*Use additional pages as necessary.*

14. Rank the measures in descending order of air pollution control effectiveness where the first listed option provides the highest level of emission control.

20 DCMR § 209.5(b)

| Rank | Emission Control Technology or Pollution Prevention Methodology |
|------|-----------------------------------------------------------------|
| 1    |                                                                 |
| 2    |                                                                 |
| 3    |                                                                 |
| 4    |                                                                 |
| 5    |                                                                 |
| 6    |                                                                 |

*Use additional pages as necessary.*

## Minor New Source Review Permit Supplemental Application

Page 5

15. Determine if any measure on the list is should be eliminated from consideration based on the following:

20 DCMR § 209.5(c)

- (a) Technical infeasibility – List each measure that is technically infeasible based on physical, chemical, or engineering principles, and/or where technical difficulties would prevent the successful application of the measure:

Justify why each listed measure is unreasonable:

- (b) Environmental effects – List each measure where the adverse environmental effects (for example, on water or land, HAP emissions, or increased environmental hazards) outweigh the air contaminant emission reduction benefits:

Justify why each listed measure is unreasonable:

- (c) Economic impacts – List the measure(s) where the extra costs (total and incremental, calculated using the techniques in the latest edition of EPA's Control Cost Manual) outweigh the air contaminant emission reduction benefits:

Justify why each listed measure is unreasonable:

- (d) Energy impacts – List each measure(s) that relies on fuels that are not readily available or where the costs (consumption of extra energy) outweigh the air contaminant emission reduction benefits:

Justify why each listed measure is unreasonable:

*Use additional pages as necessary.*

## Minor New Source Review Permit Supplemental Application

Page 6

16. Choose and propose the top-rated measure not eliminated from consideration:

*Please attach any additional documentation to support the application.*

### **Applicant Certification:**

I hereby certify, under penalty of D.C. Official Code § 8-101.05e, that I am authorized to submit this application on behalf of the applicant and that the statements contained herein are true and correct to best of my knowledge. I further certify that all attached information and previously submitted information referenced in this application remains true, correct, and current, to the best of my knowledge.

Authorized Signature:

---

Owner/Responsible Official Signature

Print Name and Title

Date

---

Mailing Address of Owner/Responsible Official if Different From Facility Street Address Above