**AIR EMISSION CHECKLIST**

**Internal Combustion Engines**

1) Submitted By

Name: Date:\_\_\_\_\_\_\_\_\_\_\_

Title: Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Facility Name and Project #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Unit Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Engine Type: \_\_\_\_\_\_\_\_\_\_\_ Reciprocating / Turbine / Other:

5) Manufacturer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PLEASE ATTACH SPECIFICATION SHEET

 Model Number:\_\_\_\_\_\_\_\_\_ EPA Emission Tier: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) Installation Date:\_\_\_\_\_\_\_ Construction Start Date: \_\_\_\_\_\_\_\_\_
 [Removal Date for Existing Engines: \_\_\_\_\_\_\_\_\_\_\_ *See Question 14*]

7) Fuel Type: \_\_\_\_\_\_\_\_\_\_\_\_

 Rated Fuel Consumption: \_\_\_\_\_\_\_\_ gallons/hour or cubic feet/hour

8) Engine is Used For: Emergency use only

 Engine Drives: Electric generator / Other mechanical equipment

 Rated electrical output: \_\_\_\_\_\_\_\_ kW

 Rated mechanical output: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ hp @ rpm

9) Stack/Exhaust Exits: Stacks must discharge vertically

 Stack/Exhaust Exit No: \_\_\_\_\_\_\_\_\_\_\_\_\_

 Height: \_\_\_\_\_\_\_ feet above grade

 Inside Dimension(s): feet diameter or feet x feet

 Exhaust Gas Flow: \_\_\_\_\_\_\_ scfm @ \_\_\_\_\_ degrees F

10) If diesel engine, will a tank be installed? Yes What size tank? \_\_\_ gallons

 What are the dimensions of the tank?

 Installed underground or within building?

# Additional Information Requested

11) A site plan that indicates the relative position of the discharge stack on the building, as well as any nearby offsite buildings, property lines or fences. All building and stack heights also need to be indicated.

12) Any form of metering available (hourly or fuel) that will allow ongoing reporting of operation to MPCA.

13) If the unit is already in service, fuel consumption in gallons or cubic feet per year for each of the last two years based on operating hours and rated fuel consumption, or readings from a fuel monitoring gauge.

14) Are any units being replaced or removed as part of this project? If yes, **please complete a second form**, which indicates the planned removal date in question 6 as well as all other checklist information.

15) **Please notify EHS** if any changes are made to make/model, capacity or installation date as the project progresses.

**Notes**

Item 3 - Unit number refers to any established code by which the equipment is referred to in plans or specifications. If none, leave blank.

Item 9 - Exhaust gas flow is in actual cubic feet per minute (acfm) at the designated temperature in degrees Fahrenheit. Stack/exhaust exit number refers to any established code by which the stack is referred to on plans or specifications. If none, leave blank.

**Please Return To:**

**Linnea Henkels**

**Environmental Compliance Specialist**

**Department of Environmental Health and Safety**

**501 23rd Ave SE
Minneapolis, MN 55455-0447**

**University of Minnesota**

**Minneapolis, MN 55455**

## Phone: (612) 626-7095

**E-Mail:** henke079@umn.edu

**End of Appendix HH - Part 3 - New Processes and Equipment that may Require Air Permits**

**University of Minnesota Facilities Management and
Department of Environmental Health & Safety**

**March 2019**