Requirements to Obtain an Air Permit for Emergency Generator
(for Emergency Purposes Only) at the University of Maryland

- **Genset components:**
  - Generator
  - Engine (if the engine has the potential to produce 373 kW (500 bhp) or greater, an air permit-to-construct is needed)

- **IMPORTANT:** Purchase only EPA Certified Gensets
  - Diesel Engines - Certificate of Conformity (example below)
  - Natural Gas Engines – Vendor specifications affirming “EPA Certified” engine or Certificate of Conformity (see below)

- Project Managers are to contact DES to obtain air permits-to-construct; vendors or installers should not obtain the permits-to-construct

- Specific information needed for the permit process:
  - Dates needed: manufacture date, ordered date, and circa installation date
  - Engine manufacture and model number
  - Is the engine a EPA Tier Certified (I, II, III, IV)
  - Engine’s potential horsepower rating
  - Fuel type
  - Serial numbers for both engine and generator (once on campus)

- Permits must be obtained prior to the genset arriving on campus… this includes preparation activities, e.g., pouring concrete pad or fitting electrical conduit from the building

- Permitting Time & Costs: minimum 60 – 90 days & $500 for each genset

- Engines rated at 1.5 Megawatts or higher must obtain additional authorizations from PEPCO & Maryland Public Service Commission prior to submitting an air permit-to-construct application for processing
Requirements for Specified Fuel-Source Genset

**Natural Gas / Gasoline / Liquid Propane Genset (Spark Ignition)**
- For a natural gas genset, a dedicated gas flow meter must be installed on the natural gas supply line adjacent to the emergency generator
- Must have a copy of manufacture’s Operations & Maintenance Plan
- A working non-resettable hour meter must be installed on the genset
- Vendor’s specification sheet that the engine is “EPA certified” or EPA Certificate of Conformity
- Do **NOT** purchase an engine that is “compliant” or “compliant-capable”

**Diesel Genset (Compression Ignition)**
- Diesel gensets must burn Ultra-low Sulfur Diesel (maximum sulfur content of 0.0015% by weight)
- Must have a copy of manufacture’s Operations & Maintenance Plan
- A working non-resettable hour meter must be installed on the genset
- EPA Certificate of Conformity

** These requirements are for permitting purposes only. Chris O’Dea (Generator Shop) and Susan Corry/David Shaughnessy (Energy & Utilities) may have additional requirements for their programs. Please consult with them for their requirements. **
Example: Certificate of Conformity – Natural Gas Engine
Example: Certificate of Conformity – Diesel Engine

This certificate of conformity covers only those nonroad compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 1039 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 1039.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR Part 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to a revocation or suspension of this certificate for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void ab initio for other reasons specified in 40 CFR Part 1039.

This certificate does not cover nonroad engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.