

**Attachment 1
Requirements for Engines Burning Commercial Fuels**

| Type | Use | Sub-Use | Engine Size | Emissions | Requirements | Risk Assessment Performed | General Permit Available |
|---------------------------------|---------------------------|---|-----------------------------|-------------------------------|--|---|--------------------------|
| Stationary | Electrical Generation | Emergency | ≥ 1 MMBTU/Hr (about 100 kW) | Any | Subchapter 8 Permit Subchapter 19 Record Keeping | No | Yes |
| | | Generator Set (Not a Dedicated Elect. Gen) | ≥ 37 kW | < 5 Tons/year | Subchapter 8 Permit Subchapter 19.8 (e) emission limits | Yes | No (Under Development) |
| | | | | > 5 Tons/year | Subchapter 8 Permit State-of-the Art (SOTA) ¹ | Yes | No |
| | Non-Electrical Generation | Emergency (e.g. fire pump) | ≥ 1 MMBTU/Hr | Any | Subchapter 8 Permit Subchapter 19 Record Keeping | No | Yes |
| | | Dedicated Elect. Gen. or Non-Elect. Gen | ≥ 1 MMBTU/Hr < 500 HP | < 5 Tons/year | Subchapter 8 Permit | Yes | Yes (<90 Days at site) |
| | | | | > 5 Tons/year | Subchapter 8 Permit State-of-the Art (SOTA) ¹ | Yes | No |
| | | | | > 500 HP (about 3.5 MMBTU/Hr) | < 5 Tons/year | Subchapter 8 Permit & If major NOx facility N.J.A.C. 7:27-19.8 (a)-(c) emission limits | Yes |
| | | | | > 5 Tons/year | Subchapter 8 Permit State-of-the Art (SOTA) ¹ | Yes | No |
| Construction Repair Maintenance | Any | Any | Any | Any | Can't cause nuisance ² Not Fixed (Portable) and Limited to 1 Year onsite | No | N/A |

¹Any non-construction/repair/maintenance or emergency engine that emits over 5 tons/year NOx must meet State of the Art limits. (Generally for portable sources this will be the latest federal "tier" standard that applies, and for other fixed sources add on controls.)

² Equipment must operate in compliance with N.J.A.C. 7:27-5