Rule 4702 Requirements for AO IC Engines

(Rule Version 1/18/07)

ICE > 50 bhp?

No → **The ICE is not subject to Rule 4702.**

Yes ↓

All AO Engines Shall:

Monitoring:
1. Operate and Maintain ICE per Mfr (§5.7.2)
2. Monitor Operational Characteristics per Mfr (§5.7.3)
3. Non-resettable elapsed operating time meter (§5.7.4)

Recordkeeping:
1. Monthly Operating Log (§6.2.1)

Spark Ignited ICE

Compression Ignited ICE

Tier Certified ICE?

No →

Yes →

Requirements of §5.1, Table 1:

Rich Burn - Comply w/limits by 1/1/09 or if owner has "Agreement to Electrify", comply by 1/1/10:

NOx - 90 ppmv or 80% reduction
CO - 2000 ppmv
VOC - 250 ppmv

Lean Burn - Comply w/limits by 1/1/09 or if owner has "Agreement to Electrify", comply by 1/1/10:

NOx - 150 ppmv or 70% reduction
CO - 2000 ppmv
VOC - 750 ppmv

Non-Certified (Tier 0) ICE
Requirements of §5.1, Table 2:

The dates below are based on the engine in place as of June 1, 2006.

> 50 bhp and ≤ 500 bhp - Meet EPA Tier 3 or 4 by 1/1/10

> 500 bhp, ≤ 750 bhp, and < 1,000 hr/yr - Meet EPA Tier 3 by 1/1/10

> 750 bhp and < 1,000 hr/yr - Meet EPA Tier 4 by 7/1/11

> 500 bhp and ≥ 1,000 hr/yr - Comply w/limits by 1/1/08 or if owner has "Agreement to Electrify", comply by 1/1/10:

NOx - 80 ppmv
CO - 2000 ppmv
VOC - 750 ppmv

Certified ICE
Requirements of §5.1, Table 2:

EPA Tier 1 or 2 - Meet EPA Tier 4 by 1/1/15 or 12 years after install date, but no later than 2018.

EPA Tier 3 or 4 - Meet latest available certification at time of installation.

ICE retro-fitted w/an exhaust control?

No →

Yes ↓

Certified Per §9.0?

Yes →

No ↓

Additional Requirements:
1. Monitoring per §5.7.5
2. Emission Control Plan (ECP) per §6.1
3. Compliance Testing per §6.3 and §6.4
4. Inspection & Monitoring (I&M) Plan per §6.5

At a Farm that emits < 12.5 ton/yr of NOx and VOCs?

Yes → **Proceed w/PEER application 3 months prior to 4702 full compliance date shown in §5.1.**

No → **Proceed w/ATC application 6 months prior to 4702 full compliance date shown in §5.1.**