40 CFR Part 63, Subpart ZZZZ
National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Summary of Requirements

Engine Category	Date Constructed	Compliance Date	Emission Limitations	Operating Limitations	Fuel Requirements	Performance Tests	Monitoring, Installation, Collection, Operation and Maintenance Requirements	Initial Compliance	Continuous Compliance	Notification Requirements	Recordkeeping Requirements	Reporting Requirements	General Provisions (40 CFR part 63)
Stationary RICE at Major Sources													
Existing Stationary Engine ≤500 HP Located at Major Source of HAP													
Emergency CI	Before 6/12/2006	5/3/2013	63.6602 Table 2c	No Requirements	No Requirements	No Requirements	63.6625(e), (f), (h), (i)	No Requirements	63.6605 63.6640	No Requirements	63.6655 (except 63.6655(c))	Footnote 1 of Table 2c	Yes, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).
Non-Emergency CI 100≤HP≤500	Before 6/12/2006	5/3/2013	63.6602 Table 2c	No Requirements	>300 HP with displacement <30 l/cyl: 63.6604	63.6612 63.6620 Table 4 Table 5	63.6625(h) ≥300 HP: 63.6625(g)	63.6630 Table 5	63.6605 63.6640	63.6645	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650(g))	Yes
Non-Emergency CI <100 HP	Before 6/12/2006	5/3/2013	63.6602 Table 2c	No Requirements	No Requirements	No Requirements	63.6625 (e), (h), (i)	No Requirements	63.6605 63.6640	No Requirements	63.6655 (except 63.6655(c) and (f))	No Requirements	Yes, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).
Emergency SI	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	No Requirements	63.6625(e), (f), (h), (j)	No Requirements	63.6605 63.6640	No Requirements	63.6655 (except 63.6655(c))	Footnote 1 of Table 2c	Yes, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).
Non-Emergency SI 4SLB 100≤HP≤500	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	63.6612 63.6620 Table 4 Table 5	63.6625(h)	63.6630 Table 5	63.6605 63.6640	63.6645	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650(g))	Yes
Non-Emergency SI 4SLB <100 HP	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	No Requirements	63.6625(e), (h), (j)	No Requirements	63.6605 63.6640	No Requirements	63.6655 (except 63.6655(c) and (f))	No Requirements	Yes, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).
Non-Emergency SI 2SLB 100≤HP≤500	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	63.6612 63.6620 Table 4 Table 5	63.6625(h)	63.6630 Table 5	63.6605 63.6640	63.6645	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650(g))	Yes
Non-Emergency SI 2SLB <100 HP	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	No Requirements	63.6625(e), (h), (j)	No Requirements	63.6605 63.6640	No Requirements	63.6655 (except 63.6655(c) and (f))	No Requirements	Yes, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).
Non-Emergency SI 4SRB 100≤HP≤500	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	63.6612 63.6620 Table 4 Table 5	63.6625(h)	63.6630 Table 5	63.6605 63.6640	63.6645	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650(g))	Yes
Non-Emergency SI 4SRB <100 HP	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	No Requirements	63.6625(e), (h), (j)	No Requirements	63.6605 63.6640	No Requirements	63.6655 (except 63.6655(c) and (f))	No Requirements	Yes, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).
Non-Emergency Landfill/Digester Gas 100≤HP≤500	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	63.6612 63.6620 Table 4 Table 5	63.6625(h)	63.6630 Table 5	63.6605 63.6640	63.6645	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650(g))	Yes

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Summary of Requirements

Engine Category	Date Constructed	Compliance Date	Emission Limitations	Operating Limitations	Fuel Requirements	Performance Tests	Monitoring, Installation, Collection, Operation and Maintenance Requirements	Initial Compliance	Continuous Compliance	Notification Requirements	Recordkeeping Requirements	Reporting Requirements	General Provisions (40 CFR part 63)
Non-Emergency Landfill/Digester Gas <100 HP	Before 6/12/2006	10/19/2013	63.6602 Table 2c	No Requirements	No Requirements	No Requirements	63.6625(e), (h), (j)	No Requirements	63.6605 63.6640	No Requirements	63.6655 (except 63.6655(c) and (f))	No Requirements	Yes, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).
Existing Stationary Engine >500 HP Located at Major Source of HAP													
Limited Use	Before 12/19/2002	No Requirements											
Emergency	Before 12/19/2002	These engines are subject to the requirements in 40 CFR 63.6640(f). No other requirements apply.											
Non-Emergency CI	Before 12/19/2002	5/3/2013	63.6600(d) Table 2c	63.6600(d) Table 2b	>300 HP and <30 l/cyl:63.6604	63.6610 63.6615 63.6620 Table 3 Table 4 Table 5	63.6625(a), (b), (g), (h), (k)	63.6630 Table 5	63.6605 63.6635 63.6640	63.6645	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650(g))	Yes
Non-Emergency SI 4SLB	Before 12/19/2002	6/15/2007	No Requirements										
Non-Emergency SI 2SLB	Before 12/19/2002	6/15/2007	No Requirements										
Non-Emergency SI 4SRB	Before 12/19/2002	6/15/2007	63.6600(a) Table 1a	63.6600(a) Table 1b	No Requirements	63.6610 63.6615 63.6620 Table 3 Table 4 Table 5	63.6625(a), (b), (h), (k)	63.6630 Table 5	63.6605 63.6635 63.6640	63.6645	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650 (g))	Yes
Landfill/Digester Gas	Before 12/19/2002	No Requirements											

[a]Note that certain engines covered under 40 CFR part 63, subpart ZZZZ, may be subject to additional requirements under 40 CFR part 60, subparts IIII and JJJJ.

[b]For assistance in determining the potential to emit, please refer to http://www.epa.gov/ttn/chief/ap42/index.html or contact your EPA regional office or state permitting staff. To determine the potential to emit, you may use emission factors from http://www.epa.gov/ttn/chief/ap42/ch03/index.html, test data, or other published information.
For reference information, refer to http://www.epa.gov/ttn/atw/rice/ricepg.html - Implementing Information - 12-03-2010 - RICE Summary Table of Requirements.

[c]**Note emergency engines have to comply with the definition of an emergency stationary RICE, which includes being operated per the requirements in 40 CFR 63.6640(f).**

Abbreviations:
CI-Compression Ignition
SI-Spark Ignition
4SLB-4 Stroke Lean Burn
2SLB-2 Stroke Lean Burn
4SRB-4 Stroke Rich Burn