Please note that e
header at the top

Date of Revision
12/3/2010

2/22/2011
3/1/2012
4/10/2012
4/10/2012
2/19/2013

ach tab is for a different category of engine. You can either refer to the descriptive of each page to determine your engine type, or refer to the Applicability Flowchart

Description of Revision

Table of Requirements was revised to correct the compliance date in cell C18 of STEP 1a for existing stationary en
2d." Compliance date for residential/commercial/institutional emergency engines clarified, as it depends on whether the engine is CI or SI. The compliance date is 10/19/13 for SI engines and 5/3/13 for CI engines.
Revised to eliminate reference to 40 CFR §63.6625(k).
Revised cell D1 (column heading) of STEP 1a from "Emission Limitations" to "Emission Limitations/Management
Revised cell D1 (column heading) of STEP 2a from "Emission Limitations" to "Emission Limitations/Work Practic
Revised to reflect current version of 40 CFR part 63, subpart ZZZZ (78 FR 6673) published January 30, 2013.

gines >500 HP at area sources to 10/19/2013.

Practices."
es."

Engine Category	Date Constructed	Compliance Date	Emission Limitations, Management Practices, and Other Requirements	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 Area Sources													
STEP 1a - Existing Area Sources													
Existing Stationary Engine <500 HP Located at Area Sources of HAP													
Emergency CI	Before 6/12/2006	5/3/2013	63.6603(a), Table 2d	No Requirements	**<300 HP, <30 ly/yl AND <15 lbs/yr for emergency DR:** 63.6604(b)	No Requirements	63.6625(e), (f), (h), (i)	No Requirements	63.6605, 63.6640	No Requirements	63.6655 (except 63.6655(c))	**>100 HP and >15 lbs/yr for emergency DR:** 63.6650(h), **All engines:** Footnote 2 of Table 2d	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 300<HP<500	Before 6/12/2006	5/3/2013	63.6603(a)-(e), Table 2d[1,3]	No Requirements	**>300 HP with displacement <30 l/cyl:** 63.6604(a)	63.6612, 63.6620, Table 4, Table 5	63.6625(b), ≥300 HP: 63.6625(g)	63.6630, Table 5	63.6605, 63.6640	63.6645	63.6655 (except 63.6655(c) and (f))	63.6650 (except 63.6650(g))	Yes
Non-Emergency CI ≥500 HP	Before 6/12/2006	5/3/2013	63.6603(a), Table 2d	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	63.6603(a), Table 2d	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))	**>100 HP and >15 lbs/yr for emergency DR:** 63.6650(h), **All engines:** Footnote 2 of Table 2d	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	Before 6/12/2006	10/19/2013	63.6603(a), Table 2d	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	Before 6/12/2006	10/19/2013	63.6603(a), Table 2d	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	Before 6/12/2006	10/19/2013	63.6603(a), Table 2d	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	Before 6/12/2006	10/19/2013	63.6603(a), Table 2d	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).
Residential/Commerical/Institutional Emergency CI	Before 6/12/2006	5/3/2013	These engines are subject to the requirements in 40 CFR 63.6640(f). No other requirements apply.										
Residential/Commerical/Institutional Emergency SI	Before 6/12/2006	10/19/2013	These engines are subject to the requirements in 40 CFR 63.6640(f). No other requirements apply.										

[1]Note that engines that meet the conditions in 63.6603(b)(1) or (b)(2) must meet management practices for non-emergency CI engines < 300 HP in Table 2d.
[2]Note that an engine located on an offshore vessel and in a manned vehicle that is an Outer Continental Shelf (OCS) is subject to management practices specified at 63.6603(c).
[3]Note that certain engines covered under 40 CFR part 63, subpart ZZZZ, must be subject to additional requirements under 40 CFR part 60, subparts IIII and JJJJ.
[4]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.
[5]Note emergency engines how 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

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 and Other Requirements	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													
STEP 2(a)(i)													
Existing Stationary Engine <500 HP Located at Major Source of HAP													
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))	**>100 HP and >15 hrs/yr for emergency DR**: 63.6650(h), **All Engines:** 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).

[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.

[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