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	
tionary RICE at Major S	ources										
				No	w & Dogonstructed (STEP	2(b)(i) 500 HP Located at Major S	Source of UAD			
Limited Use	On or After			i ve	w & Reconstructed S		gines are subject to 40 CFR part 60, s		opart JJJJ (SI NSPS), as	applicable.	_
Emergency	6/12/2006 On or After						gines are subject to 40 CFR part 60, s				
Non-Emergency CI	6/12/2006 On or After 6/12/06							to 40 CFR part 60, subpart			
SI 4SLB <250 HP	On or After							to 40 CFR part 60, subpart .			
Non-Emergency SI 4SLB ≥250 HP	6/12/2006 On or After 6/12/2006 and before 1/1/2008							No Requirements			
Non-Emergency SI 4SLB ≥250 HP	Manufactured on or after 1/1/2008	Upon Startup	63.6601 Table 2a	63.6601 Table 2b	No Requirements	63.6611 63.6615 63.6620 Table 3 Table 4 Table 5	63.6625(h), (k)	63.6630 Table 5	63.6605 63.6635 63.6640	63.6645	
Emergency SI 4SLB ≥250 HP	Manufactured on or after 1/1/2008	Upon Startup	No Requirements	No Requirements	No Requirements	No Requirements	63.6625(d), (h)	No Requirements	63.6605 63.6640	No Requirements	
SI 2SLB	On or After						Engines are subject t	to 40 CFR part 60, subpart .	JJJJ (SI NSPS)		
SI 4SRB	6/12/2006 On or After							to 40 CFR part 60, subpart.			—
Landfill/Digester Gas	6/12/2006 On or After							to 40 CFR part 60, subpart .			
	6/12/2006					STEP			(
				Ne	w & Reconstructed S		500 HP Located at Major S	Source of HAP		1	
Limited Use	On or After 12/19/2002	Upon Startup	No Requirements	No Requirements	No Requirements	No Requirements	No Requirements	No Requirements	63.6605	63.6645(f)	
Emergency	On or After 12/19/2002	Upon Startup	No Requirements	No Requirements	No Requirements	No Requirements	No Requirements	No Requirements	63.6605 63.6640	63.6645(f)	
Non-Emergency CI	On or After 12/19/2002	Upon Startup	63.6600(b) Table 2a	63.6600(b) Table 2b	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	
Non-Emergency SI 4SLB	On or After 12/19/2002	Upon Startup	63.6600(b) Table 2a	63.6600(b) Table 2b	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	,
Non-Emergency SI 2SLB	On or After 12/19/2002	Upon Startup	63.6600(b) Table 2a	63.6600(b) Table 2b	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	
Non-Emergency SI 4SRB	On or After 12/19/2002	Upon Startup	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	
										≥10 percent of the gross heat	\uparrow

ain engines covered under 40 CFR part 63, subpart ZZZZ, may be subject to additional requirements under 40 CFR part 60, subparts I ^bFor assistance in determining the potential to emit, please refer to <u>http://</u>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. ^cNote 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

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

Summary of Requirements

S	Recordkeeping Requirements	Reporting Requirements	General Provisions (40 CFR part 63)		
	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650 (g))	Yes		
	No Requirements	No Requirements	Yes		
	No Requirements	No Requirements	No (except as specified in 63.6645(f))		
	No Requirements	No Requirements	No (except as specified in 63.6645(f))		
	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650 (g))	Yes		
	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650 (g))	Yes		
	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650 (g))	Yes		
	63.6655 (except 63.6655(c), (e), and (f))	63.6650 (except 63.6650 (g))	Yes		
heat sis:	≥10 percent of the gross heat input on an annual basis: 63.6655(c)	≥10 percent of the gross heat input on an annual basis: 63.6650(g)	No (except as specified in 63.6645(f))		