PDEQ GENERATOR GENERAL PERMIT
NSPS EMISSION RATES

Purpose

In the interest of presenting as simple a general permit as possible, the large volume and variety of emission limitations contained in and referenced by 40 CFR 60, Subpart IIII have been withheld from Attachments 3–7 themselves and included in this document. Rather than requiring the Permittee to self-identify applicable standards, he or she is required to obtain a unit certified by the manufacturer to comply with Subpart IIII. This document is intended to help the permit writer and compliance officer identify the applicable standards whether for including them explicitly in the ATO or determining compliance. Following the emission limits is a table identifying the "useful life" during which the emission limits are applicable.

I. Emission Limits

A. Units Subject to *Attachment 3* – Fire Pump Units [40 CFR 60.4205(c) & Table 4 of Subpart IIII]

Maximum Engine Power	Model Year	NOx (g/hphr)	NMHC (g/hphr)	NMHC+NOx (g/hphr)	CO (g/hphr)	PM (g/hphr)
HP<11	2010 and earlier	--	--	7.8	6.0	0.75
	≥2011	--	--	5.6		0.30
11≤HP<25	2010 and earlier	--	--	7.1	4.9	0.60
	≥2011	--	--	5.6		0.30
25≤HP<50	2010 and earlier	--	--	7.1	4.1	0.60
	≥2011	--	--	5.6		0.22
50≤HP<100	2010 and earlier	--	--	7.8	3.7	0.60
	≥2011[1]	--	--	3.5		0.30
100≤HP<175	2009 and earlier	--	--	7.8	3.7	0.60
	≥2010[2]	--	--	3.0		0.22
175≤HP<750	2008 and earlier	--	--	7.8	2.6	0.40
	≥2009[3]	--	--	3.0		0.15
HP>750	2007 and earlier	--	--	7.8	2.6	0.40
	≥2008	--	--	4.8		0.15

[1]For model years 2011–2013, stationary fire pumps in this category with a rated speed of greater than 2,650 revolutions per minute (rpm) may comply with the emission limitations for 2010 model year engines.
[2]For model years 2010–2012, stationary fire pumps in this category with a rated speed of greater than 2,650 rpm may comply with the emission limitations for 2009 model year engines.
[3]In model years 2009–2011, stationary fire pumps in this category with a rated speed of greater than 2,650 rpm may comply with the emission limitations for 2008 model year engines.

B. Units Subject to *Attachment 4* – Pre-Model Year 2007 Emergency Units [40 CFR 60.4205(a) & Table 1 of Subpart IIII]

Maximum Engine Power	Model Year	NO_X (g/hphr)	NMHC (g/hphr)	NMHC + NO_X (g/hphr)	CO (g/hphr)	PM (g/hphr)
HP<11	Pre-2007	--	--	7.8	6.0	0.75
11≤HP<25	Pre-2007	--	--	7.1	4.9	0.60
25≤HP<50	Pre-2007	--	--	7.1	4.1	0.60
50≤HP<175	Pre-2007	6.9	--	--	--	--
HP≥175	Pre-2007	6.9	1.0	--	8.5	0.40

C. Units Subject to *Attachment 5* – Model Year 2007 and Later Emergency Units [40 CFR 60.4205(b) & 4202(a)]

Maximum Engine Power	Model Year	NOx (g/hphr)	NMHC (g/hphr)	NMHC+ NOx (g/hphr)	CO (g/hphr)	PM (g/hphr)
<11 HP	2007	--	--	5.6	6.0	0.60
	≥2008	--	--	5.6	6.0	0.30
11≤HP<25	2007	--	--	5.6	4.9	0.60
	≥2008	--	--	5.6	4.9	0.30
25≤HP<50	2007	--	--	5.6	4.1	0.45
	≥2008	--	--	5.6	4.1	0.22
50 ≤ HP <100	2007	--	--	5.6	3.7	0.30
	≥2008	--	--	3.5	3.7	0.30
100 ≤ HP < 175	≥2007	--	--	3.0	3.7	0.22
175 ≤ HP <750	≥2007	--	--	3.0	2.6	0.15
HP ≥750	≥2007	--	--	4.8	2.6	0.15

D. Units Subject to *Attachment 6* – Pre-Model Year 2007 Non-Emergency Units [40 CFR 60.4204(a) & Table 1 of Subpart IIII]

Maximum Engine Power	Model Year	NO_X (g/hphr)	NMHC (g/hphr)	NMHC + NO_X (g/hphr)	CO (g/hphr)	PM (g/hphr)
HP<11	Pre-2007	--	--	7.8	6.0	0.75
11≤HP<25	Pre-2007	--	--	7.1	4.9	0.60
25≤HP<50	Pre-2007	--	--	7.1	4.1	0.60
50≤HP<175	Pre-2007	6.9	--	--	--	--
HP≥175	Pre-2007	6.9	1.0	--	8.5	0.40

E. Units Subject to *Attachment 7* – Model Year 2007 and Later Non-Emergency Units [40 CFR 60.4204(b) & 4201(a)]

Maximum Engine Power	Model Year	NOx (g/hphr)	NMHC (g/hphr)	NMHC + NOx (g/hphr)	CO (g/hphr)	PM (g/hphr)
HP<11	2007	--	--	5.6	6.0	0.60
	≥2008	--	--	5.6	6.0	0.30
11≤HP<25	2007	--	--	5.6	4.9	0.60
	≥2008	--	--	5.6	4.9	0.30
25≤HP<50	2007	--	--	5.6	4.1	0.45
	2008–2012	--	--	5.6	4.1	0.22
	≥2013	--	--	3.5	4.1	0.02
50≤HP<75	2007	--	--	5.6	3.7	0.30
	2008-2012[1]	--	--	3.5	3.7	0.22
	≥2012	--	--	3.5	3.7	0.02
75≤HP<101	2007	--	--	5.6	3.7	0.30
	2008–2013	--	--	3.5	3.7	0.30
	2012-2013[2]	--	--	3.0	3.7	0.015
	≥2014	0.30	0.14	--	3.7	0.015
101≤HP<174	2007	--	--	3.0	3.7	0.22
	≥2008	0.30	0.14	--	3.7	0.015
	2012-2013[3]	--	--	3.0	3.7	0.015
174≤HP<750	2007	--	--	3.0	2.6	0.15
	2008-2014	0.30	0.14	--	2.6	0.015
	2011-2013[4]	--	--	3.0	2.6	0.015
	≥2014	0.5	0.14	--	2.6	0.02
750≤HP<3000	≥2007	--	--	4.8	2.6	0.15

[1]The source is free to select either the standards for 2012 units or those for 2012 and later.
[2]The source is free to select either the standards for 2012-2013 units or those for 2008-2013.
[3]The source is free to select either the standards for 2012-2013 units or those for 2008 and later.
[4]The source is free to select either the standards for 2011-2013 units or those for 2008-2014.

II. Useful Life

Maximum Engine Power	Variable or Constant Speed	Speed	Useful Life
HP <25	Variable or Constant Speed	Any Speed	3,000 hours or 5 years, whichever comes first.
25 ≤ HP < 50	Constant Speed	≥ 3,000 rpm	3,000 hours or 5 years, whichever comes first.
	Constant Speed	< 3000 rpm	5,000 hours or 7 years, whichever comes first.
	Variable Speed	Any Speed	5,000 hours or 7 years, whichever comes first.
HP ≥ 50	Variable or Constant Speed	Any Speed	8,000 hours or 10 years, whichever comes first.