BEST AVAILABLE CONTROL TECHNOLOGY (BACT) GUIDELINE 3.3

Equipment Category:	Prime Compression Ignition Engines
Revision:	1.1
Date:	June 14, 2017

Pollutant	BACT Requirement	BACT Technology	Performance Standard	AIP/TF
NO_x	1	EPA Tier 4 Final	Varies by engine rating	AIP
ROC	1	EPA Tier 4 Final	Varies by engine rating	AIP
CO	1	EPA Tier 4 Final	Varies by engine rating	AIP
SO_x	1	CARB ultra-low sulfur diesel	≤ 15 ppmw sulfur	AIP
PM, PM_{10}, $PM_{2.5}$	1	EPA Tier 4 Final, CARB ultra-low sulfur diesel	Varies by engine rating	AIP

Notes:
1. NO_x means oxides of nitrogen (as NO_2) and SO_x means oxides of sulfur (as SO_2).
2. AIP means Achieved in Practice. TF means Technologically Feasible.
3. BACT is the most stringent control technique for the emissions unit and equipment category that is either achieved in practice or technologically feasible/cost effective.
4. BACT determinations are subject to periodic updates without advanced notice.
5. See EPA Tier Standards for compression ignition engines at https://www.ourair.org/wp-content/uploads/epatiers1-4.pdf.