Subsection G. This section addresses the following emissions unit

EU I.D.	Brief Description
012	Emergency Generators FGTC GEN04 and FGTC GEN05

EU 012, Two-Generac Model No. SG300 (or equivalents) emergency generators, FGTC GEN04 and FGTC GEN05, are each powered by 454 bhp reciprocating internal combustion engines firing pipeline natural gas. The engines are 4-stroke, lean burn, spark-ignition engines. The engines coupled with the generators utilize a non-selective catalytic reduction or 3-way catalyst as primary control technology.

Applicable Federal Regulations

G.1. NSPS Subpart JJJJ. The Two-Generac Model No. SG300 (or equivalents) emergency generators, FGTC GEN04 and FGTC GEN05 (EU 012), are subject to applicable requirements in NSPS Subparts A (General Provisions) and JJJJ (Stationary Spark Internal Combustion Engines) of 40 CFR 60. See Appendix E. [Rules 62-210.300(a)(35)g., and 62-204.800(8)(b)80, F.A.C.]

{Permitting note: The emergency generator 454 Hp engines were manufactured after January 1, 2010 and are subject to emissions limits of (40 CFR 60 Subpart JJJJ) 40 CFR 60.4233, operation and maintenance requirements of 40 CFR 60.4243, and recordkeeping requirements of 40 CFR 60.4243(a)(1) and 60.4245(a)(1), (2) & (3). However, the engines are certified and thus exempt from annual testing by 40 CFR 60 60.4243(a)(1) if operated and maintained according to the manufacturer's emissions-related written instructions.}

G.2. NESHAP Subpart ZZZZ. The emergency generators are subject to applicable requirements in NESHAP Subparts A and ZZZZ (Reciprocating Internal Combustion Engines). Pursuant to 40 CFR 63.6590(c)6 for stationary reciprocating internal combustion engines (RICE) also subject to regulations under 40 CFR 60, a 4-stroke, lean burn stationary RICE with a site rating of less than or equal to 500 bhp must meet the requirements of this part by meeting the requirements of 40 CFR 60 subpart JJJJ for spark ignition engines. No further requirements apply for such engines under 40 CFR 63 Subpart ZZZZ. [Rules 62-210.300(a)(35)h., and 62-204.800(10)(b)82, F.A.C.]

Essential Potential to Emit (PTE) Parameters

G.3. Methods of Operation

a. The owner or operator of the emergency generator engines shall operate and maintain the engines and control devices according to the manufacturer's emission-related written instructions. [40 CFR 60.4243(a)(1)]
b. If the certified engine and control device are not operated and maintained according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine, and owners or operators of the noncertified engine must to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions and must conduct an initial performance test within 1 year of engine startup to demonstrate compliance, but a subsequent test is not required unless the engine is rebuilt or undergoes major repair or maintenance. [40 CFR 60.4243(a)(2)(ii) and (f)]