

Emission Summary

Permit Number: 967646P

Source Status: New ☒ Modification ☐ Expansion ☐ Relocation ☐ Permit Status: New ☒ Renewal ☐

PSD ☐ NSPS ☒ NESHAPs ☒ Previous Permit Number: Construction _____ Operating _____

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-03-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Cha			
PM	0.06	0.06	0.06	0.02	0.02	0.02		8/22/13	5	40 CFR 89.112
CO	0.88	0.88	0.88	0.2	0.2	0.2		8/22/13	5	40 CFR 89.112
NO _x + NMHC	0.71	0.71	0.71	0.2	0.2	0.2		8/22/13	5	40 CFR 89.112
SO ₂	0.27	0.27	0.27	0.07	0.07	0.07		8/22/13	3	14-.01(3)
VOC	0.32	0.32	0.32	0.08	0.08	0.08		8/22/13	3	07-.07(2)
CO ₂ e					13.6			8/22/13		40 CFR 98.30

*These allowable limit values are based on an EPA guidance emergency generator default usage of 500 hours per year and information in the application dated May 28, 2013.

Regulations addressed:

Rules of the Tennessee Department of Environment and Conservation, Bureau of Environmental Health Services, Division of Air Pollution 1200.03

Title 40: Protection of Environment
CHAPTER I: ENVIRONMENTAL PROTECTION AGENCY
SUBCHAPTER C: AIR PROGRAMS

PART 60: STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines §60.4200 - §60.4219

PART 63--NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES
Subpart A--GENERAL PROVISIONS

PART 63: NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES Subpart ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

PART 89 -CONTROL OF EMISSIONS FROM NEW AND IN-USE NONROAD COMPRESSION-IGNITION ENGINES §89.112 & §89.113

PART 98--MANDATORY GREENHOUSE GAS REPORTING, Subpart C—General Stationary Fuel Combustion Sources, Part 98.30 Appendix, Table C-1 & C-2

PERMITTING PROGRAM: TAK DATE: October 3, 2013

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: American Tower-Seymour TN #308919

File Number: 60-0273

EPS Initials: TAK

Permit Number(s): 967646P

Source Point Number(s): -01

Application Received (date): 8/27/13

Application Complete (date): 9/10/13

Air Quality Analysis Performed? Yes ☐ No ☒

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

This source is one 131 Hp (80 kW) internal combustion diesel generator. This generator will be used only for the purpose of providing emergency electrical power and allowable emissions limitations are based on an operating time of 500 hours per year. Because of the amount and type of emissions, the use of pollution control equipment is not proposed. PM, SO₂, CO, NO_x, and VOC are emitted by this source.

Rules Analysis

Title V ☐ Cond. Major ☐ Minor ☒

Source category listed in 1200-3-9-.01(4)(b)1.(i)? Yes ☐ No ☒

Reason for PSD: New source above TPY ☐
Applicable NSPS: 40 CFR Part 60, Subpart III ☒
Applicable NSPS: 40 CFR Part 63, Subpart ZZZZ ☒
Applicable NSPS: 40 CFR 89.112 ☒
Applicable NESHAP: 40 CFR Part 61, Subpart ☐

Sig. increase in emissions ☐ N/A ☒
State Rule 1200-3-16-. ☐ N/A ☒
State Rule 1200-3-31-. ☐ N/A ☒
State Rule 1200-3-11-. ☐ N/A ☒

Other Applicable State Rules

TSP Emissions:	1200-03-06-.03(2)	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>	NO _x Emissions:	1200-03-06-.03(2)	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
SO ₂ Emissions:	1200-3-14-.03(5)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Lead Emissions:	1200-3- <u> </u> -. <u> </u>	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
CO Emissions:	1200-03-06-.03(2)	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>	<u> </u> Emissions:	1200-3- <u> </u> -. <u> </u>	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
VOC Emissions:	1200-03-06-.03(2)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	<u> </u> Emissions:	1200-3- <u> </u> -. <u> </u>	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>

Visible Emissions from this Source not to exceed 20 % opacity per Method 9 (Rule 1200-3-5-.03(6))