

Virginia Department of Environmental Quality:

9VAC5-530 Electric Generator Voluntary Demand Response General Permit

9VAC5-540 Emergency Generator General Permit

Summary: The following rules provide regulation for both compression and spark ignition electric generating sources (CI and SI sources). More stringent requirements have been outlined for sources operating in nonattainment areas.

Key differences from Maryland’s rules include that in Virginia annual reports do not have to be submitted unless requested. Management of units in voluntary demand response programs is the responsibility of the owner, as opposed to the responsibility of the agency holding the contract for the program. There is also no mention of the ability to purchase NOx allowances if use is above limits established.

9VAC5-530 Electric Generator Voluntary Demand Response General Permit	
Key Issue	Details
1-Unit specifications (by manufacturer specifications and actual output)	<ul style="list-style-type: none">• CI units output ≤ 58,886 kW• SI units attainment output ≤ 60,970 kW• SI units nonattainment output ≤ 37,750 kW
2- Operating Restrictions	<ul style="list-style-type: none">• Annual use defined as monthly use with the sum of the previous 12 consecutive months, monitored monthly• Compliance demonstrated either by fuel throughput or by hours of operation• All units must be equipped with appropriate meters (fuel or time)• Annual emissions limits defined• CI Units: ≤ 502,766/554,230 gallons diesel/biodiesel or 350 hours annually• SI Units (attainment area): ≤ 775,300 gallons of LPG or 72.88E⁶ ccf natural gas or 350 hours annually• SI Units (nonattainment area): 480,032 gallons of LPG or 45.12E⁶ ccf natural gas or 350 hours annually
3-Other requirements	<ul style="list-style-type: none">• Fuel specifications• Testing• Monitoring• Reporting- Records shall be maintained for five years and made available upon request

9VAC5-540 Emergency Generator General Permit	
Key Issue	Details
1-Unit specifications (by manufacturer specifications and actual output)	<ul style="list-style-type: none"> • CI Units: see below for tables with unit specifications based on non/attainment area, unit size, displacement and model year • SI units attainment area: output \leq 25,525 kW • SI units nonattainment area: output \leq 13,115 kW
2-Operating restrictions	<ul style="list-style-type: none"> • Annual use defined as monthly use with the sum of the previous 12 consecutive months, monitored monthly • Annual emissions limits defined • Attainment area: units shall not operate more than 450 hours annually • Nonattainment area: units shall not operate more than 500 hours annually
3-Other requirements	<ul style="list-style-type: none"> • Fuel specifications • Testing • Monitoring • Reporting- Records shall be maintained for five years and made available upon request

Output for CI units in Attainment Area		
Unit Size (kW)	Displacement (liters/cylinder)	Model Year
$X \leq 6,906$	< 10	2010
$X \leq 8,472$	< 10	2011+
$X \leq 8,146$	$10.0 \leq x < 15.0$	2010+

Output for CI units in Nonattainment Area		
Unit Size (kW)	Displacement (liters/cylinder)	Model Year
$X \leq 3,850$	< 10	2010
$X \leq 4,722$	< 10	2011+
$X \leq 4,540$	$10.0 \leq x < 15.0$	2010+