



**MASHANTUCKET PEQUOT TRIBE
AIR PERMIT APPLICATION
EMISSION UNIT
FORM MPTN - 3**

I. EMISSION UNIT INFORMATION

Emission Unit ID: _____	Number of Identical Units _____
Make: _____	
Model: _____	
Manufacturer: _____	
Type of Fuel Combustion Unit* ^s ±:	
<input type="checkbox"/> Boiler <input type="checkbox"/> IC Engine* <input type="checkbox"/> Turbine <input type="checkbox"/> HW Heater with capacity of _____ gal. <div style="display: flex; justify-content: space-around; font-size: small;"> <i>Package Unit</i> <i>Other Heater</i> </div> <input type="checkbox"/> AHU <input type="checkbox"/> RTU <input type="checkbox"/> MAU <input type="checkbox"/> Fan Coil Unit <input type="checkbox"/> Furnace	
*****Qj gt< _____	
* Check if emission unit is classified as emergency engine as defined in Section 4.2 of the Plan <input type="checkbox"/>	
Maximum Design Heat Input Nameplate Rating of Unit (mmBtu/hr): _____	
Maximum Fuel Consumption (scf/ht): _____	
Engine Break Horsepower: _____	
Other Type of Emitting Unit (specify): _____	
Description of Process or Function: _____ _____	

Maximum Operating Schedule:	Expected Actual Operating Schedule:
_____ hours/day	_____ hours/day
_____ days/week	_____ days/week
_____ weeks/year	_____ weeks/year

Fuel Type - Primary / Secondary	Stack Parameters	Vertical Horizontal Capped
<input checked="" type="checkbox"/> *Natural Gas / <input type="checkbox"/> Natural Gas _____ Btu/scf	Stack Diameter:	Ft m
<input type="checkbox"/> Propane / <input type="checkbox"/> Propane _____% Sulfur	Exhaust Flow:	lb/hr g/hr
<input type="checkbox"/> LPG / <input type="checkbox"/> LPG _____% Sulfur	Exit Velocity:	Ft/s m/s
<input type="checkbox"/> Fuel Oil / <input type="checkbox"/> Fuel Oil _____% Sulfur	Exit Temperature (min.):	°F °K
<input type="checkbox"/> Refuse / <input type="checkbox"/> Refuse _____% Sulfur	Stack Height:	Ft m
<input type="checkbox"/> Other / <input type="checkbox"/> Other _____% Sulfur _____ Btu/scf (specify): _____	Location:	Lat/Long. UTM CT State Plane
	Northing	Easting

* Where available, the use of natural gas is required for MPTN BACT compliance



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II. EMISSIONS

Reciprocating Internal Combustion Engines					
Factor		Source			
NOx _____	g/bhp-hr	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
VOC _____	g/bhp-hr	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
CO _____	g/bhp-hr	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
PM ₁₀ _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
PM _{2.5} _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
SO ₂ _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____

Boilers					
Factor		Source			
NOx _____	ppm@3%O ₂	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
VOC _____	ppm@3%O ₂	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
CO _____	ppm@3%O ₂	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
PM ₁₀ _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
PM _{2.5} _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
SO ₂ _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____

Combustion Turbines					
Factor		Source			
NOx _____	ppm@15%O ₂	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
VOC _____	ppm@15%O ₂	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
CO _____	ppm@15%O ₂	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
PM ₁₀ _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
PM _{2.5} _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
SO ₂ _____	lb/mmBtu	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____

Factor		Source			
NOx _____	_____	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
VOC _____	_____	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
CO _____	_____	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
PM ₁₀ _____	_____	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
PM _{2.5} _____	_____	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____
SO ₂ _____	_____	Vendor (guaranteed)	Vendor (supplied)	AP-42	Other: _____