Rhode Island Department of Environmental Management 2022 Air Pollution Inventory Fuel Burning Form For Fuels Burned in Anything Other Than a Boiler



### PROFILE OF PROCESS EQUIPMENT AND AIR POLLUTION CONTROL EQUIPMENT BURNING PROCESS FUEL FOR RY22

		All questions pertain to process equipment or air pollution control equipment (APCE) which burn one or more fuels.	Process Equipment	Control Equipment			
Facility Name		No. of pieces which vent emissions to an identified stack					
		No. of pieces added since Reporting Year 2021					
Address		No. of pieces permanently retired since Reporting Year 2021					
		No. of pieces burning 1 fuel					
Contact		No. of pieces burning 2 fuels					
		No. of pieces burning 3 fuels					
Date	Phone	Other:TurbinesReciprocating Engines Cogeneration	" Yes "	No			

EMISSION FACTORS FOR FUEL BURNED IN EQUIPMENT (i.e., not in a boiler, turbine, etc.):

Emission Factors for process equipment, heaters and air pollution control equipment are listed below. These factors can be used to estimate your air releases. Emission Factors pertain to emissions "before" any air pollution control equipment, which would reduce your emissions according to its efficiency. The "S" beside the Emission Factor for SOx indicates that you must multiply the Emission Factor by the % sulfur in the fuel burned. Emission Factors are not readily available for other fuels such as methanol, hydrogen gas, waste oil, etc. Attach your engineering estimates. NOx emissions may now be measured by NOx monitors for a more accurate estimate.

Emission Factors for internal combustion engines, cement kilns/dryers, lime kilns, coke ovens, and blast ovens differ from those listed below. Call RIDEM for them if needed.

Fuel/Process Name	SCC Code	Particulates	SOx	NOx	VOC	CO	Units ("pounds per")
Residual Oil							
General	3-90-004-89	12.0 S	158.6 S	55	0.28	5	1000 gallons burned
Distillate Oil							
General	3-90-005-89	2.0	143.6 S	20	0.2	5	1000 gallons burned
Natural Gas							
General	3-90-006-89	7.6	0.6	100	5.5	84	Million Cubic Feet (MMCF) burned
Liquified Petroleum Ga	Liquified Petroleum Gas (LPG)						
General	3-90-010-89	0.7	.016	13	1	7.5	1000 gallons burned

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# **STACK INFORMATION FOR EQUIPMENT and/or ENGINES BURNING FUEL**

## **Facility Name**

H

Contact Name

Phone

This form has enough space to record data for up to 2 stacks from 2 pieces of fuel burning process equipment, engines or air pollution control equipment with up to 3 fuels apiece. You may photocopy this page to report additional equipment. If the information on this form has not changed from the previous year, 2021 Form F3, page 2 may be copied and submitted for 2022. If one stack handles emissions from multiple pieces of process or control equipment or engines, report stack data only once. Show clearly which pieces of process or air pollution control equipment are associated with each stack. Necessary elements are checked. Others are helpful, if available.

	Stack number								
H	Stack height (ft.)								
H	Stack diameter (ft.)								
	Stack exit temp ( F)								
	Stack exhaust gas flow rate (acfm)								
	NOx CEM?	ш	Yes	" No		ш	Yes	" No	
	Specify Air Pollution Control Equipment if any								
	RI DEM Approval No.								
	Installation date (year)						_		
	VOCs removed?	"	Yes	" No		u .	Yes		
	Fuel type			natural gas	LPG	_		natural gas	LPG
	Normal firing rate								
	Process equipment name or engine								
	RI DEM Approval No.								
	Installation date (year)								
H	Fuel type			natural gas	LPG			natural gas	LPG
	Normal firing rate								

For equipment burning oil, include grade of oil (e.g., #2) and the sulfur limit (%): #\_\_\_\_\_ %S

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### Facility Name

Contact Name

Phone

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Process, Engine or Air Pollution			REPORT ONLY ONE			
Control Equipment burning fuel						
RIDEM Approval No.						
Process Fuel Type						
Units (gal, cubic ft.)						
Month	Fuel burned		Fuel burned		Fuel burned	
Jan 2022						
Feb 2022						
March 2022						
April 2022						
May 2022						
Quarterly Total		%		%		%
		No. of days		No. of days		No. of days
Jun 2022						
Jul 2022						
Aug 2022						
Quarterly Total		%		%		%
Sep 2022						
Oct 2022		_		-		
Nov 2022				-		
Quarterly Total		%		%		%
Dec 2022						
Dec+Jan+Feb (2022)		%		%		%
Annual Total		100 %		100 %		100 %
		ge by fuel type	for facility. Units (gal,	MCF (thousand cu	u.ft.), CCF (hundred cu	.ft
	Natural Gas					
	Liquid Propane					
	Other:					
	Other:					

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