

## **eDEP Transaction Copy**

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Username: MICHAELC68

Transaction ID: 1152006

Document: AQ Source Registration Package (SR)

Size of File: 4335.82K

Status of Transaction: Submitted

Date and Time Created: 3/29/2023:2:45:38 PM

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AG TANK A24 (2,400 GAL)

# Massachusetts Department of Environmental Protection Bureau of Air and Waste

YEAR OF RECORD
1190564
FACILTY AQ Identifier

## Source Registration (SR) or SR and Greenhouse Gas (GHG) Overview

The "?" icons will reveal information about a particular portion of the form or question such as definitions, instructions, sources of assistance or information. Additional information about filling out these forms is available at the Source Registration and Greenhouse Gas Reporting Website: https://www.mass.gov/guides/massdep-source-registration

## A. Create a Source Registration Package (SR) or SR and Greenhouse Gas(SR/GHG) Package.

Existing Facility:Che	ck to create a complete package for reporting Check if you added emission units or stacks since your
year 2017	last report.
Date received (DEP	if you have never before submitted an AQ Source Registration Package (SR) or (SR/GHG).  use only - mm/dd/yyyy)  Q Source Registration Package (SR) or SR and Greenhouse
Gas(SR/GHG) I	
Gas(SR/GHG) I	Package.  need to correct or add to a previously submitted SR or SR/GHG Package 2017 ,check
Gas(SR/GHG) I  1. Check if you the boxes in the lise  2. Facility Name:	Package.  need to correct or add to a previously submitted SR or SR/GHG Package 2017, check to below to select the forms/units you wish to work on.
Gas(SR/GHG) I  1. Check if you the boxes in the list  2. Facility Name:  Our records indicate	Package.  need to correct or add to a previously submitted SR or SR/GHG Package 2017, check to below to select the forms/units you wish to work on.  CLEAN HARBORS OF BRAINTREE INC

	Emission unit name	DEP#	EU Category	Last Update
V	HURST BOILER, 2.091 MMBTU/HR, NO. 2 FUEL OIL-0.3 S	2	FUEL BURNING DEVICE	2016
	CLEAVER BROOKS BOILER (NO.2 FUEL OIL, 0.3S)	3	FUEL BURNING DEVICE	2016
	CUMMINS GENERATOR #2 (NT855G2, DIESEL)	50	FUEL BURNING DEVICE	2016
	CATERPILLAR GENERATOR #1	55	FUEL BURNING DEVICE	2016
	2 LENNOX FURNACES SR 20Q5-140/154	64	FUEL BURNING DEVICE	2016
	INDUSTRIAL OIL FURNACE LG14-225	67	FUEL BURNING DEVICE	2016
V	2 DRUM CRUSHING LINES	5	PROCESS	2016
	AG TANK A3-9,800 GAL	8	TANK	2016
	AG TANK A6- 9,500 GAL WASTE STREAM A-31	11	TANK	2016
V	AG TANK A7 - 9,500 GAL.	12	TANK	2016
V	AG TANK A8 - 10,000 GAL TANK	13	TANK	2016
	AG TANK A9- 10,000 GAL	14	TANK	2016
	AG TANK A17B - 750 GAL	18	TANK	2016
V	AG TANK A22 (2,400 GAL)	23	TANK	2016
V	AG TANK A23 (2,400 GAL)	24	TANK	2016

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**TANK** 

2016

Bureau of Air and Waste

Source Registration (SR) or SR and Greenhouse Gas (GHG) Overview

2017

YEAR OF RECORD

1190564

FACILTY AQ Identifier

V	AG TANK A25 (1,000 GAL)	26	TANK	2016
V	AG TANK A13 (4,000 GAL), DIESEL LOW SULF	51	TANK	2016
V	AG TANK A12 (6,300 GAL), NO. 2 FUEL OIL	52	TANK	2016
V	AG TANK B1- POLYOLEFIN WASTEWATER NO VOCS	53	TANK	2016
V	AG TANK B2- POLYOLEFIN TANK WASTEWATER NO VOCS	54	TANK	2016
V	AG TANK B4- POLYOLEFIN H WASTEWATER NO VOCS	57	TANK	2016
V	AG TANK B7- POLYOLEFIN TANKS WASTEWATER NO VOCS	60	TANK	2016
V	STACK #1- INCINERATOR #1-VENT-O-MATIC	1	STACK	2016
V	STACK #2- HURST BOILER, NO. 2 FUEL OIL	2	STACK	2016
V	1 STACK - BOILER #1-CLEAVER BROOKS, NO 2 FUEL OIL	3	STACK	2016
V	2 DRUM CRUSHING LINES	5	STACK	2016
	1 STACK GENERATOR (2)- CUMMINS AND CATERPILLAR	7	STACK	2016
V	1 STACK-2 FURNACES - LENNOX	9	STACK	2016
V	CUT OFF ROOM	10	STACK	2016



562211 a. (Primary)

b.

#### **Massachusetts Department of Environmental Protection** Bureau of Air and Waste - Air Quality

**Facility Information** 

2017	
Year of Record	
1400504	

Facility AQ identifier A. Facility Information: 1. Facility - the site or works where the regulated activity occurs: CLEAN HARBORS OF BRAINTREE INC a. Facility Name 1 HILL AVE b. Facility Street Address Line 1 c. Facility Street Address Line 2 BRAINTREE MA 021840000 d. City/Town e. State f. ZIP Code 7813807100 7813807193 g. Facility Phone Number h. Facility Fax Number 2. Mailing address: (check all that apply) same address as facility address 1 HILL AVE a. Facility Mailing Address / PO Box Line 1 b. Facility Mailing Address / PO Box Line 2 BRAINTREE MA 021840000 e. ZIP Code c. City/Town d. State 3. Facility type - check one: Tribal C State C Utility Private C Federal C Local Government 4. ORIS Facility Code - for large electrical utilities only: **ORIS Facility Code** 5. ID Numbers: 34839 1190564 a. DEP Account Number / FMF Facility # b. Facility AQ Identifier - SSEIS ID Number 6. Location: 70.972946 42.235971 a. Latitude 42.9 - 41.2 b. Longitude - West 73.5 - 69.8 Enter positive values only. 7. North American Industry Classification System (NAICS) 6 digits:

C.

d.

Facility Information

2017

Year of Record

1190564

Facility AQ identifier

. Facility description ( What is being produced and how it	is being produced a	t this facility - update as needed):
CLEAN HARBORS OF BRAINTREE INC. IS A HAZARDOUS WASTE	TSDF.	
NO PRODUCTION AT THIS FACILITY.		
). Facility's normal hours of operation:		
12:00 AM 12:00 AM	▼	☑ c. Continuous - 24 X 7 X 52
a. Start Time b. End Time		
d. Which days is the facility open?	Пм Пт	M MT MF MS
ar man says to are tasking open.		
0. Number of Employees: 16		
11 Facility Owner:		
1. Facility Owner: same address as facility	y mailing address ( will	l copy address into fields below)
Please contact your MassDEP Regional Office if the own	nership of this facility	/ has changed.
OLEAN HADDODO OF BRAINTREE INO		
CLEAN HARBORS OF BRAINTREE INC		
a. Owner or Corporation Name		
1 HILL AVE		
b. Mailing Address Line 1 (for owner or corporation)		
ATTN: GENERAL MANAGER		
c. Mailing Address Line 2		
BRAINTREE	MA	021840000
d. City/Town	e. State	f. Zip Code
a. ony rown		
US ▼	042507498	
	h. Owner TIN	
g. Country		
g. Country 7813807100	7134	7813807193

Facility Information

2017

Year of Record

1190564

Facility AQ identifier

Facility <b>contact</b> information:	same	address as facility address	
	same	address as facility mailing address	
DAVID		MEDINA	
. Facility Contact <b>First</b> Name		Contact Last Nam	ne
HILL AVE			
. Mailing Address Line 1			
. Mailing Address Line 2			
BRAINTREE		MA	021840000
. City/Town		e. State	f. Zip Code
US .	<b>▼</b> n	nedinad@cleanharbors.com	
. Country	h.	E-mail Address	
803807100			7813807193
		j. Extension	k. Fax Number
Phone Number			
Phone Number  S. Air emissions information contains	ct:	same name and address as facility	contact name and address
s. <b>Air emissions information</b> conta	ct:	same address as facility address	contact name and address
s. <b>Air emissions information</b> conta JAMES R.		same address as facility address	
JAMES R. a. Air emissions information conta	e	same address as facility address	
JAMES R. a. Air emissions information conta James R. b. Air emissions contact <b>First</b> Nam	e	same address as facility address	
JAMES R. a. Air emissions information conta	e	same address as facility address	
JAMES R. a. Air emissions information conta James R. b. Air emissions contact <b>First</b> Nam	e	same address as facility address	
JAMES R. a. Air emissions information conta a. Air emissions contact <b>First</b> Nam 26137 SOUTH RIDGELAND AVEN b. Mailing Address Line 1	e	same address as facility address  LAUBSTED  Air emissions conta	act <b>Last</b> Name
JAMES R. a. Air emissions information contains a. Air emissions contact <b>First</b> Nam 26137 SOUTH RIDGELAND AVEN b. Mailing Address Line 1	e	same address as facility address	
JAMES R. a. Air emissions information conta JAMES R. a. Air emissions contact <b>First</b> Nam 26137 SOUTH RIDGELAND AVEN b. Mailing Address Line 1 c. Mailing Address Line 2 MONEE	e UE	LAUBSTED Air emissions conta	act <b>Last</b> Name
JAMES R. a. Air emissions information contains JAMES R. a. Air emissions contact First Name 26137 SOUTH RIDGELAND AVEN b. Mailing Address Line 1 c. Mailing Address Line 2 MONEE d. City/Town	e UE	LAUBSTED Air emissions conta	act <b>Last</b> Name
JAMES R. a. Air emissions information conta JAMES R. a. Air emissions contact <b>First</b> Nam 26137 SOUTH RIDGELAND AVEN b. Mailing Address Line 1 c. Mailing Address Line 2 MONEE d. City/Town	e UE	LAUBSTED Air emissions conta	act <b>Last</b> Name

Facility Information

2017

Year of Record

1190564

Facility AQ identifier

### **B.** Preparer

. Contact information for the <b>preparer</b> of this submittal:	same name and	d address as air emissions contact name and add d address as facility contact name and address as facility address
MICHAEL	COMEAU	
a. Preparer <b>First</b> Name	Preparer Last Nam	ne
CLEAN HARBORS ENVIRONMENTAL SERVICES		
b. Mailing Address Line 1		
42 LONGWATER DRIVE		
c. Mailing Address Line 2		
NORWELL	MA	020610000
d. City/Town	e. State	f. Zip Code
US	comeau.michaeld	@cleanharbors.com
g. Country	h. E-mail Address	
7817925174		7817921030
i. Phone Number	j. Extension	k. Fax Number

Facility Information

2017

Year of Record

1190564

Facility AQ identifier

C. I	N	otes
C.	v	ひしせる

aracter max).		
). Certification		
certify that I have personally examined the foregoing and m familiar with the information contained in this report	Responsible official - complete all fields below.	
m familiar with the information contained in this report and all attachments and that, based on my inquiry of those	Responsible official - complete all fields below.  MICHAEL	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate,	<u> </u>	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification	MICHAEL	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification enalties for submitting false information, including	MICHAEL a. First Name	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification enalties for submitting false information, including possible fines and imprisonment."	MICHAEL a. First Name	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification enalties for submitting false information, including possible fines and imprisonment."  The signature and date are inserted	MICHAEL a. First Name  COMEAU b. Last Name	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification enalties for submitting false information, including possible fines and imprisonment."  The responsible official for the facility must provide the ectronic signature. The signature and date are inserted allow by eDEP during the signature Step.	MICHAEL a. First Name  COMEAU b. Last Name  COMPLIANCE MANAGER	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification enalties for submitting false information, including possible fines and imprisonment."  The responsible official for the facility must provide the ectronic signature. The signature and date are inserted allow by eDEP during the signature Step.	MICHAEL a. First Name  COMEAU b. Last Name  COMPLIANCE MANAGER c. Title	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification enalties for submitting false information, including possible fines and imprisonment."  The signature and date are inserted	MICHAEL a. First Name  COMEAU b. Last Name  COMPLIANCE MANAGER c. Title  7817925174 d. Phone Number	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification enalties for submitting false information, including essible fines and imprisonment."  The responsible official for the facility must provide the extronic signature. The signature and date are inserted allow by eDEP during the signature Step.	MICHAEL a. First Name  COMEAU b. Last Name  COMPLIANCE MANAGER c. Title  7817925174 d. Phone Number  comeau.michaeld@cleanharbors.com	
In familiar with the information contained in this report and all attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, and complete. I am aware that there are signification enalties for submitting false information, including possible fines and imprisonment."  The responsible official for the facility must provide the electronic signature. The signature and date are inserted allow by eDEP during the signature Step.  The pains and penalties of perjury:	MICHAEL a. First Name  COMEAU b. Last Name  COMPLIANCE MANAGER c. Title  7817925174 d. Phone Number	
In familiar with the information contained in this report in dall attachments and that, based on my inquiry of those dividuals immediately responsible for obtaining the formation; I believe that the information is true, accurate, indicated complete. I am aware that there are signification in malties for submitting false information, including issible fines and imprisonment."  The responsible official for the facility must provide the extronic signature. The signature and date are inserted low by eDEP during the signature Step.  The responsible of perjury:	MICHAEL a. First Name  COMEAU b. Last Name  COMPLIANCE MANAGER c. Title  7817925174 d. Phone Number  comeau.michaeld@cleanharbors.com	

Facility Information

2017

Year of Record

1190564

Facility AQ identifier



#### TES - Transaction #1152006

Print

Exit



#### Massachusetts Department of Environmental Protection Bureau of Air and Waste

#### **BWP AQ AP - TES**

Total Emissions Statement & Hazardous Air Pollutant List

2017

1190564

YEAR OF RECORD

Facility AQ Identifier

#### A . Annual Total Emissions Statement

1. Facility Identifiers:

CLEAN HARBORS OF BRAINTREE INC

a. Facility Name

34839

1190564

b. DEP Account Number

c. Facility AQ Identifier

2. Total Emissions:

This form calculates your facility's actual and potential emissions by adding the emissions you entered in forms for each unit. The results are displayed in the table below. You must error check each emission unit's forms before the results below can be complete.

Pollutant:	PM 10-FIL	PM 2.5-FIL	PM-CON	SO2
Actual for previous	.0235	.014		.2568
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0167	0.0087	0	0.2106
record:	Tons	Tons	Tons	Tons
Potential emissions	9.4880	9.3526	0	11.9580
oterna emissions	Tons	Tons	Tons	Tons
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed				
emissions-short term:	Tons	Tons	Tons	Tons
Short term Period				✓
Basis DEP Approval				
number or regulation:				

Pollutant:	РВ	voc	NH3	со
Actual for previous		.0151	.0108	.0963
year:	Tons	Tons	Tons	Tons
Actual for year of	0	0.0092	0	0.0714
record:	Tons	Tons	Tons	Tons
Potential emissions	0	22.8354	0	29.3023
Potential emissions	Tons	Tons	Tons	Tons
Max allowed		36.2		
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed		23600		
emissions-short term:	Tons	Tons	Tons	Tons

Bureau of Air and Waste

#### **BWP AQ AP - TES**

Total Emissions Statement & Hazardous Air Pollutant List

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ort term Period		Month <u>▼</u>	<u> </u>			
sis DEP Approval						
umber or regulation		MBR-95-RES-047				
Pollutant:	NO2		нос			1
ctual for previous	.4566					
ear:	Tons		Tons			
Actual for year of	0.3395		0			
ecord:	Tons		Tons			
Potential emissions	136.2320		0			
3	Tons	_	Tons			
Max allowed	17.3					
missions-annual:	Tons		Tons			4
Max allowed emissions-short	9400					
erm:	Tons		Tons			
	Month 🔻		<u></u>			
Short term Period						
Short term Period Basis DEP Approva	<u> </u>	_				
easis DEP Approva umber or regulation	MBR-95-RES-047	al, or product restrictions	, either by plan approval or	regulation con	nplete the following fo	or ea
Basis DEP Approva	MBR-95-RES-047	al, or product restrictions	, either by plan approval or		nplete the following fo	or ea
Basis DEP Approvalumber or regulation  Basis DEP Approva  Basis DEP Ap	MBR-95-RES-047					or ea
asis DEP Approva umber or regulation  3.If you have <b>facil</b> a. EXEMPT DEP appr	MBR-95-RES-047	135411 Amount of Restriction	GALLONS		▼ year ▼	or ea
Basis DEP Approva number or regulation 3. If you have <b>facil</b> a. EXEMPT DEP appr	ity-wide fuel, raw materi	135411 Amount of Restriction	GALLONS		▼ year ▼	or ea
Basis DEP Approva number or regulation 3. If you have <b>facil</b> a. EXEMPT DEP appr	ity-wide fuel, raw materi oval # (most recent)  UEL OIL 0.3 PERCENT SULF	135411 Amount of Restriction	GALLONS		▼ year ▼	or ea
Basis DEP Approva	ity-wide fuel, raw materioval # (most recent)  UEL OIL 0.3 PERCENT SULF tion of fuel, raw material or	Amount of Restriction  UR  product restricted	GALLONS Restriction Units		year Ver Unit Time	or ea
Basis DEP Approva number or regulation  B.If you have facil  a. EXEMPT DEP appr  NO. 2 F Descrip  b. MBR-86-0	ity-wide fuel, raw materi oval # (most recent)  UEL OIL 0.3 PERCENT SULF tion of fuel, raw material or	Amount of Restriction  UR product restricted  376680	GALLONS Restriction Units		year Per Unit Time	or ea
Basis DEP Approva number or regulation  B.If you have facil  a. EXEMPT DEP appr  NO. 2 F Descrip  b. MBR-86-0	ity-wide fuel, raw materioval # (most recent)  UEL OIL 0.3 PERCENT SULF tion of fuel, raw material or	Amount of Restriction  UR  product restricted	GALLONS Restriction Units		year Ver Unit Time	or ea
Basis DEP Approva	ity-wide fuel, raw materioval # (most recent)  UEL OIL 0.3 PERCENT SULFtion of fuel, raw material or com-027  oval # (most recent)  UEL OIL 0.3 PERCENT SULF	Amount of Restriction  FUR  product restricted  376680  Amount of Restriction	GALLONS Restriction Units		year Per Unit Time	or ea
Basis DEP Approva	ity-wide fuel, raw materi oval # (most recent)  UEL OIL 0.3 PERCENT SULF tion of fuel, raw material or  COM-027 oval # (most recent)	Amount of Restriction  FUR  product restricted  376680  Amount of Restriction	GALLONS Restriction Units		year Per Unit Time	or ea
Basis DEP Approva	ity-wide fuel, raw materioval # (most recent)  UEL OIL 0.3 PERCENT SULFtion of fuel, raw material or com-027  oval # (most recent)  UEL OIL 0.3 PERCENT SULF	Amount of Restriction  FUR  product restricted  376680  Amount of Restriction	GALLONS Restriction Units		year Per Unit Time	or ea
Basis DEP Approva	ity-wide fuel, raw materioval # (most recent)  UEL OIL 0.3 PERCENT SULFtion of fuel, raw material or oval # (most recent)  UEL OIL 0.3 PERCENT SULFtion of fuel, raw material or	Amount of Restriction  FUR  product restricted  376680  Amount of Restriction	GALLONS Restriction Units		year Per Unit Time	or ea
Basis DEP Approva number or regulation  B.If you have facil  a. EXEMPT DEP appr  NO. 2 F Descrip  b. MBR-86-0 DEP appr  NO. 2 F Descrip  C. MBR-89-	ity-wide fuel, raw materioval # (most recent)  UEL OIL 0.3 PERCENT SULFtion of fuel, raw material or oval # (most recent)  UEL OIL 0.3 PERCENT SULFtion of fuel, raw material or	Amount of Restriction  FUR  product restricted  376680  Amount of Restriction  FUR  product restricted	GALLONS Restriction Units  GALLONS Restriction Units		year Per Unit Time  year year Per Unit Time	or ea
Basis DEP Approva	ity-wide fuel, raw materi oval # (most recent)  UEL OIL 0.3 PERCENT SULF tion of fuel, raw material or  COM-027 oval # (most recent)  UEL OIL 0.3 PERCENT SULF tion of fuel, raw material or	Amount of Restriction  UR product restricted  376680 Amount of Restriction  UR product restricted	GALLONS Restriction Units  GALLONS Restriction Units  HOUR		year Per Unit Time  year Per Unit Time	or ea

This form calculates your facility's actual emissions and CO2e emissions for each greenhouse gas pollutant as well as total CO2e emissions by adding the emissions you entered in the forms for each emission unit. The results are displayed in the tables below. You must error check each emission unit's forms before the results below can be complete. If you are submitting an SR

Bureau of Air and Waste

#### **BWP AQ AP - TES**

c. Check if this is your single largest HAP emission.

Total Emissions Statement & Hazardous Air Pollutant List

and GHG Reporting package the table below will show the calculated results. If you are submitting an SR package the table will be

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blank. If you have GHG emissions to report, makes sure you are submitting an SR and GHG Reporting package, and not an SR package. Pollutant: CO2 CH4 N2O SF6 Refrigerants-CO2e Actual for previous Tons Tons Tons Tons Tons vear Actual for 0 0 0 year of Tons Tons Tons Tons Tons record: CO2e for previous Tons Tons Tons Tons Tons year CO2e for 0 0 0 0 year of record Tons Tons Tons Tons (Tons) 5. Total CO2e emissions a. Actual for previous year (Tons) b. Actual for year of record (Tons) **B. Hazardous Air Pollutant Emissions** a.Does the facility have the potential to emit (PTE) 10 tons of any single listed Hazardous Air Pollutant (HAP)? Tes No b.Does the facility have the potential to emit (PTE) a total of 25 tons of any combination of listed Hazardous Air Pollutants (HAPs)? G Yes C No c.Does the facility have a restriction on total HAPS? © Yes © No d.Are you required to report HAP emissions here for any other reason? (e.g., a permit condition) C Yes O No C. Hazardous Air Pollutants (HAPs) 1. Hazardous Air Pollutant List HAP METHYL ALCOHOL a. HAP Name b. CAS # for individual HAPs

Bureau of Air and Waste

### **BWP AQ AP - TES**

2. Total HAP Emissions

Total Emissions Statement & Hazardous Air Pollutant List

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d. Actual for previous year	e. Actual for year of record
12.8	18.6
f. Potential Emissions	g. Max allowed emissions – annual
5000	▼
h. Max allowed emissions – short term	i. Short term period
MBR-95-RES-047	
j. Basis DEP Approval number or regulation	
>	
TOLUENE	108883
a. HAP Name	b. CAS # for individual HAPs
c. Check if this is your single largest HAP emission.	
.037	0.021
d. Actual for previous year	e. Actual for year of record
12.8	18.6
f. Potential Emissions	g. Max allowed emissions – annual
5000	▼
h. Max allowed emissions – short term	i. Short term period
MBR-95-RES-047	
j. Basis DEP Approval number or regulation	
>	
ETHYLENE GLYCOL	107211
	b. CAS # for individual HAPs
a. HAP Name	
a. HAP Name  c. Check if this is your single largest HAP emission.	b. CAS # for individual HAPs
a. HAP Name  C. Check if this is your single largest HAP emission.	b. CAS # for individual HAPs
a. HAP Name  c. Check if this is your single largest HAP emission.  d. Actual for previous year	b. CAS # for individual HAPs  0 e. Actual for year of record
a. HAP Name  C. Check if this is your single largest HAP emission.  d. Actual for previous year	b. CAS # for individual HAPs  0 e. Actual for year of record
a. HAP Name  c. Check if this is your single largest HAP emission.  d. Actual for previous year  12.8  f. Potential Emissions	b. CAS # for individual HAPs  0 e. Actual for year of record
a. HAP Name  c. Check if this is your single largest HAP emission.  d. Actual for previous year  12.8  f. Potential Emissions	b. CAS # for individual HAPs  0 e. Actual for year of record  18.6 g. Max allowed emissions – annual

### **Massachusetts Department of Environmental Protection** Bureau of Air and Waste **BWP AQ AP - TES** Total Emissions Statement & Hazardous Air Pollutant List Fac a. Actual for previous year .300 b. Actual for year of record: .289 c. Potential at max capacity uncontrolled: 38.4 d. Max allowed emissions - annual: 55.8 Facility-wide restriction only e. Max allowed emissions – short term: 10600 Facility-wide restriction only f. Short term period: Month **▼** g. Basis for max allowed emissions: MBR-95-RES-047 DEP approval # or regulation D. Notes and Attachments 1. Notes: Please include in the space below any additional information that will help DEP understand your submission. 2. Attachments:

Check here to submit attachments to this form (e.g., calculations). For eDEP on-line filers, this will create a new step on your Current Submittals Page where you will attach electronic files to your submittal. For attachments that cannot be sent electronically, please list all such attachments in the notes field

above and deliver them to DEP with a paper copy of this form.

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#### AP1 Sec A - Transaction #1152006

Exit



## Massachusetts Department of Environmental Protection Bureau of Air and Waste

# Fuel Burning Device Emission Unit

2017 Year of Record DEP EU# 1190564 Facility AQ Identifier

### **Equipment Description**

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839	1190564
b. DEP Account Number	c. Facility AQ Identifier
. Emission Unit Identifiers: 🕜	
HURST BOILER, 2.091 MMBTU/HR, NO. 2 FUEL OIL-0.3 S	
a. Facility's choice of emission unit name - edit as need	led
2	2
b. Facility's emission unit number / code - edit as neede	
d. ORIS ID # – for large electrical utilities only	e. Combined Units – enter number of individual units
Emission unit installation and decommission dates:	
05/01/2003	
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable 🔞
, , , , , , , , , , , , , , , , , , , ,	( ),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Complete only if the unit was shut down permanently or repla since the last report.
a. Is this unit, replacing another emission unit?	
·	since the last report.
	since the last report.
a. Is this unit, replacing another emission unit?	since the last report.  ne for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No O Yes - Enter DEP's emissions unit number and nar  b. DEP's Emission Unit Number and facility's emission	since the last report.  ne for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No O Yes - Enter DEP's emissions unit number and nar  b. DEP's Emission Unit Number and facility's emission  Equipment	since the last report.  ne for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and nar  b. DEP's Emission Unit Number and facility's emission  Equipment	since the last report.  ne for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and nar  b. DEP's Emission Unit Number and facility's emission  Equipment ?	ne for the unit being replaced from the drop-down list below:  unit name
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and nar  b. DEP's Emission Unit Number and facility's emission  Equipment  a. Equipment Type	ne for the unit being replaced from the drop-down list below:  unit name
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and nar  b. DEP's Emission Unit Number and facility's emission  Equipment ?  a. Equipment Type	ne for the unit being replaced from the drop-down list below:  unit name
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and nar  b. DEP's Emission Unit Number and facility's emission  Equipment  a. Equipment Type EPA Unit type code  If engine, is this an emergency generator?	since the last report.  me for the unit being replaced from the drop-down list below:  unit name  BOILER  BOILER

#### **Massachusetts Department of Environmental Protection** 2017 Bureau of Air and Waste Year of Record **Fuel Burning Device** 2 DEP EU# **Emission Unit** 1190564 Non Emergency Use(hours) Maintenance and Readiness Testing(hours) HURST 4VT-50BHP b. Manufacturer c. Model number 2.0910 d. Max Input Rating MMBtu/hr (must be greater than 0) e. Number of burners (enter "0" if not applicable) f. Types of burner - check one: rotary mech. atomizer C steam atomizer air atomizer traveling grate nand fired Other Specify "other" burner type HURST 30 g. Burner Manufacturer h. Burner Model number 05/01/2003 i.Burner Installation Date (mm/dd/yyyy) 6. DEP approvals - leave blank if not applicable: a. Most recent approval number b. DEP approval date (mm/dd/yyyy) 7. Is this unit exempt under 310 CMR 7.02 Plan Approvals? © Yes © No 8. If exempt from Plan Approval, indicate the reason for the exemption, from the drop-down list below. (e.g., cite a specific DEP regulation): below thresholds in 310 CMR 7.02 (2)(b) 7 and 15 9. Additional State Reporting Requirements: a. Are there other routine air quality reporting requirements for this emissions unit? Yes - Specify reporting frequency below No - Skip to question 9c b. Reporting frequency - check all that apply: ▼ RES Annual Semi-annual Quarterly (include Operating Permit and Plan Approval reports, but not exceedance reporting) c. Is this unit subject to (check all that apply):

a. check if continuously operated - 24 X 7 X 52

✓ NESHAP

☐ NSPS

10. Hours of operation for the emission unit:

		ts Department of F ir and Waste	Environmenta	l Protection	2017 Year of Record
	Fuel Rue	ning Device			2
		ming Device			DEP EU#
	Emission Unit				1190564
24	7		17		
o. Number of hours per	day c. N	lumber of days per week		nber of weeks per year	
	•	urs in each calendar quar		·	
61.6 0.0		38.4		of Q1+Q2+Q3+Q4 must = 1	00%
Q1 Q2		Q4	or 0 if	the unit was not operated f	or any quarter
		Contombor 20:			
. Ozone season sched	ule - May T through 3	september 30.			
0	0		0		
a. Ozone season hour	s per day b.	Ozone season days per v	veek c. We	eks operated in ozone sea	son
2. Emission Release Po	oint - select one: 🕜		Engines	click here for instructions:	?
Non-Stack Release I	Points:	IF	Physical Stacks:		
C fugitive			vertical stack		
C horizontal vent			© vertical with rain	cap/sleeve	
C engine exhaust			·	•	
C downward facing	vent				
C vertical stack/vent					
B. Link this unit to a phy	sical stack ( if applica	able) - pick from the list be	elow:		
STACK #2- HURST BOILE	R, NO. 2 FUEL OIL				▼
=		change stack name use t			_
the stack for this unit is	not listed, save and	exit this form now and co	mplete a new Stacl	k form before returning to the	nis form.
I. Is there an air pollution	on control device/s or	n this emissions unit? 🕜			
C Yes - answer a thro	ugh i	No - skip to question 15			
		Tro Ship to question 19			
air pollution contro	l device 🕜				
		Click the button below to ac	dd a new control devi	ce	
		Add New con	trol device		
i la thara manitania	guipment on this care	ioniana unit ar italata -l	control dovices 5		
o. is there monitoring e	quipment on this em	issions unit or its related	control devices:		
C Yes - answer a thro	ough I	No - skip to section B			
	Monitor 1	Monitor	2	Monitor 3	
	C CEMs	© CEM		© CEMs	
a. Monitor type:	© opacity	© opac	-	© opacity	
	Oother	© other		© other	
	33.3.				
	Describe	Describe	e	Describe	
le Manuel d	2 3 3 3 1 3 3		-	2000100	
b. Manufacturer:	]				
c. Model Number:					
d. Monitor ID #:					
	Facility's Designa	ation Facility's	s Designation	Facility's Designation	on

Bureau of Air and Waste

### **Fuel Burning Device**

**Emission Unit** 

2017
Year of Record
2
DEP EU#

						1190564
e. Installation Date:	(mm/dd/yyyy)	1	(mm/dd/yyyy	)	(mm/dd/yyyy	у)
f. DEP Approval #:						
g. DEP Approval Date:	(mm/dd/yyyy)		(mm/dd/yyyy	)	(mm/dd/yyyy	у)
h. Decommission Date:	(mm/dd/yyyy)		(mm/dd/yyyy	)	(mm/dd/yyyy	y)
i. Recorder?	C yes	C no	🧖 yes	◯ no	🧖 yes	C no
j. Audible Alarm?	C yes	C no	🧖 yes	Ĉ no	🧖 yes	C no
k. Data System? 🕜	C yes	C no	C yes	Ĉ no	C yes	C no
I. Monitored Pollutants - check all that apply:  B. Fuels and	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe  Emiss	ions	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	•	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	
. Fuel Name / Characterist lumber of fuels for this unit		cords):	BOILER	R #2-HURST #30 - #.	2 OIL-0.3 SULFU	R
3			Fuel Na	ame		
			DEP Fu	uel #		
Add a NEW fuel: Check the	box if you need	I to add a fuel that you	did Delete	e this fuel: check box i	f you stopped us	sing this fuel in this unit
ot report on previously (eDEP			permaner	ntly. You must still rep	ort for this year	of record even if amount is
ackage).			"0" – the 1	fuel will be removed fi	om the unit in th	ne next report cycle.
lumber of Additional Fuels :						
. Source Classification Cod	de (SCC): 🚺		102005			
			SCC (	call DEP if SCC will	not validate)	

EXTERNAL COMBUSTION BOILERS - INDUSTRIAL - DISTILLATE OIL -

Bureau of Air and Waste

## **Fuel Burning Device**

**Emission Unit** 

2017
Year of Record
2
DEP EU#
1190564

	GRADES 1 AND 2 - BOILE	:K		
	SCC Description - filled by eDEP upon error			
b. Type of fuel	FUEL NO.2			
	Fuel Description - filled	by eDEP upon error check.		
c. Sulfur content for oils and coal (0-2.2%):	.138			
	Percent by weight			
d. Ash content for oils and coal(0- 10.0%):	0			
	Percent by weight			
e. Maximum hourly fuel rate for all firing burners:(enter "0"if unit	0.0155	1000 GALLONS		
decommissioned prior to this year of record): 🔞	Amount	Units per hour 🔞		
f. Do you have fuel or usage restrictions? 🕡	C yes C no - skip	to question 2		
g. DEP approval number for fuel restrictions: 🕡	EXEMPT			
	Most recent for this fuel			
h. Annual usage restriction ( for this fuel):(amount or hours)	111252	GALLONS		
	Quantity	Units		
i. Short term use restriction (for this fuel):(amount or hours)	9271	GALLONS		
	Quantity	Units		
		Per   C  C  C		
		month week day hour		
2. Total actual fuel used for year of record:	12.3900	1000 GALLONS ▼		
( check your amount vs units and enter "0" if not used in the year $$	<sup>of</sup> a. Amount - year of reco	rd b. Units		
record)	15.88 1000 GA	ALLONS		
	c. Total annual usage for	or prior year of record		

3. Total emissions for this fuel only in tons per year:

Calculations: The form will automatically calculate the actual and potential emissions UNLESS you check a box to manually enter emissions for each specific pollutant. Click the "?" icon for information to help you decide how to use this feature:

Pollutant:	PM10-FIL(Report-ONLY filterable PM)	PM25-FIL(Report-ONLY filterable PM)	PM-CON	S02
Actual for previous	0.0079	0.0020		0.1556
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0062	0.0015		0.1214
record:	Tons	Tons	Tons	Tons
Potential emissions	0.0679	0.0170		1.3304
Oteritial errissions	Tons	Tons	Tons	Tons
Emission Factor	1	0.25		142
in pounds per unit	1000 GALLONS	1000 GALLONS	<b>V</b>	1000 GALLONS
Calculation Method	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 🔻
Max allowed				

Bureau of Air and Waste

## **Fuel Burning Device**

**Emission Unit** 

2017
Year of Record
2
DEP EU#
1190564

					1170301
emissions-annual:	Tons	Tons		Tons	Tons
Max allowed					
emissions-short term:	Tons	Tons		Tons	Tons
Short term Period	<b>▼</b>		•		_
Basis DEP Approval					
number or regulation:					
<b>?</b>					
Pollutant:	ГРВ	□ voc		□ NH3	Γω
Actual for previous		0.0016		0.0064	0.0397
year:	Tons	Tons		Tons	Tons
Actual for year of		0.0012			0.0310
record:	Tons	Tons		Tons	Tons
Potential emissions		0.0136			0.3395
Poteritiai erriissioris	Tons	Tons		Tons	Tons
Emission Factor		0.20			5
in pounds per unit	<u></u>	1000 GAL	LONS _	<u></u>	1000 GALLONS
Calculation Method	USEPA Emission Factor (	USEPA E	Emission Factor ( 🔽	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 💌
Max allowed					
emissions-annual:	Tons	Tons		Tons	Tons
Max allowed					
emissions-short term:	Tons	Tons		Tons	Tons
Short term Period	<u> </u>		<u>_</u>		<u> </u>
Basis DEP Approval					
number or regulation:					
<b>?</b>					
Pollutant:	NO2		specify other poll	utant	▼
Actual for previous	0.1906				
year:	Tons		Tons		
Actual for year of	0.1487				
record:	Tons		Tons		
Potential emissions	1.6294				
<b>?</b>	Tons		Tons		
Emission Factor	24				
in pounds per unit	1000 GALLONS			<u></u>	
Calculation Method	USEPA Emission Factor ( 💌		USEPA Emission Fa	actor(💌	
Max allowed					
emissions-annual:	Tons		Tons		
Max allowed					
emissions-short	Tons		Tons		
term:				1	
Short term Period	▼		▼		

	Bureau of Air and W		2017 Year of Record
	Fuel Burning D Emission Unit	<b>Device</b>	2 DEP EU# 1190564
asis DEP Approval umber or regulation:			
I. Ozone season en	nissions - May 1 through September 3	80: 🕜	
0		0	
	VOC emissions - pounds per day enter your own values	b. Typical day NOx emissions - pounds per of check to enter your own values	lay
	m will estimate the ozone season emi	ssions for you. However, you may enter your own value	es by checking the
boxes above.	and Attachments		
		will help DEP understand your submission.	
2. Attachments:			
		ions) -add a note in the field above indicating what is attached	
· · · · ·		ttach electronic files to your submittal. For attachments that c them to DEP with a paper copy of this form.	annot be sent
			[1



#### AP1 Sec A - Transaction #1152006

Exit



## Massachusetts Department of Environmental Protection Bureau of Air and Waste

## Fuel Burning Device Emission Unit

2017 Year of Record DEP EU# 1190564 Facility AQ Identifier

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839	1190564
b. DEP Account Number	c. Facility AQ Identifier
2. Emission Unit Identifiers: 🕜	
CLEAVER BROOKS BOILER (NO.2 FUEL OIL, 0.3S)	
a. Facility's choice of emission unit name - edit as needed	
3	3
b. Facility's emission unit number / code - edit as needed	c. DEP emission unit #
d. ORIS ID # – for large electrical utilities only	e. Combined Units – enter number of individual units
3. Emission unit installation and decommission dates:	
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable
	Opening later and the State and Stat
1. Emission Unit Replacement 3	Complete only if the unit was shut down permanently or resince the last report.
<ol> <li>Emission Unit Replacement</li></ol>	
a. Is this unit, replacing another emission unit?	since the last report.
	since the last report.
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name	since the last report.  for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?	since the last report.  for the unit being replaced from the drop-down list below:
No C Yes - Enter DEP's emissions unit number and name	since the last report.  for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name in the control of the	for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name in the control of the c	since the last report.  for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name in the second seco	for the unit being replaced from the drop-down list below:  lit name  BOILER
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name in the boundary of the control of the	since the last report.  for the unit being replaced from the drop-down list below:  iit name
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name in the boundary of the control of the	for the unit being replaced from the drop-down list below:  lit name  BOILER
a. Is this unit, replacing another emission unit?  O No O Yes - Enter DEP's emissions unit number and name to b. DEP's Emission Unit Number and facility's emission units. Equipment a. Equipment Type EPA Unit type code  If engine, is this an emergency generator?	for the unit being replaced from the drop-down list below:    BOILER   BOILER

#### **Massachusetts Department of Environmental Protection** 2017 Bureau of Air and Waste Year of Record **Fuel Burning Device** 3 DEP EU# **Emission Unit** 1190564 Non Emergency Use(hours) Maintenance and Readiness Testing(hours) **CLEAVER BROOKS** CB800-150 b. Manufacturer c. Model number 2.80 d. Max Input Rating MMBtu/hr (must be greater than 0) e. Number of burners (enter "0" if not applicable) f. Types of burner - check one: C rotary mech. atomizer C steam atomizer air atomizer traveling grate nand fired Other Specify "other" burner type **CL BROOKS** CB800-150-150 g. Burner Manufacturer h. Burner Model number 09/01/1986 i.Burner Installation Date (mm/dd/yyyy) 6. DEP approvals - leave blank if not applicable: MBR-86-COM-027 09/11/1986 a. Most recent approval number b. DEP approval date (mm/dd/yyyy) 7. Is this unit exempt under 310 CMR 7.02 Plan Approvals? C Yes C No 8. If exempt from Plan Approval, indicate the reason for the exemption, from the drop-down list below. (e.g., cite a specific DEP regulation): 9. Additional State Reporting Requirements: a. Are there other routine air quality reporting requirements for this emissions unit? Yes - Specify reporting frequency below No - Skip to question 9c b. Reporting frequency - check all that apply: RES Annual Semi-annual Quarterly (include Operating Permit and Plan Approval reports, but not exceedance reporting) c. Is this unit subject to (check all that apply):

a. check if continuously operated - 24 X 7 X 52

✓ NESHAP

☐ NSPS

10. Hours of operation for the emission unit:

		usetts Depa of Air and		Environn	nental Protection	2017 Year of Record
	Fuel I	Durning	Dovido			3
		Burning	Device			,
	Emission U	Jnit				DEP EU#
		le.		1	lac.	1190564
b. Number of hours pe	r day	5 c. Number of	days per week	,	d. Number of weeks per year	
	-				u. Number of weeks per year	
e. Percent of total annu	<u> </u>		·	irter:		
91.4 0.0		0.0	8.6		Sum of Q1+Q2+Q3+Q4 must =	
Q1 Q2		Q3	Q4		or 0 if the unit was not operated	for any quarter
1. Ozone season sched	ule - May 1 thro	ough September	· 30:			
0		0			0	
a. Ozone season hou	re per day	1 1-	ason days per	week	c. Weeks operated in ozone se	ason
		_	ason days per		·	_
2. Emission Release P	oint - select on	e: 💔		E	Engines click here for instructions	s: 💔
Non-Stack Release I	oints:			Physical Sta	cks:	
Cfugitive				© vertical s		
C horizontal vent					vith rain cap/sleeve	
C engine exhaust						
C downward facing	vent					
vertical stack/vent						
S VOILIOUI GLACIO VOITE	1000 than 1010					
3. Link this unit to a phy	sical stack ( if	applicable) - pick	from the list b	pelow:		
3 1 STACK - BOILER #1-CL	EVILED BDUUKS	: NO 2 FLIEL OIL				<b>-</b> 1
acility's stack identifier f			rack name use	the STACK f	·orm	
•		•			w Stack form before returning to	this form.
			_		·	
4. Is there an air polluti	on control device	ce/s on this emis	ssions unit?			
C Yes - answer a thro	ough i	🖸 No - sk	tip to question 15	5		
\						
Air pollution contro	l device 😈					
Air pollution contro	I device 🖤	Click the b	outton below to a	add a new conf	trol device	
Air pollution contro	I device 🥨					
Air pollution contro	I device 🔮		outton below to a			
			Add New cor	ntrol device		
			Add New cor	ntrol device		
5. Is there <b>monitoring e</b>	<b>equipment</b> on th	his emissions un	Add New cor	ntrol device		
	e <b>quipment</b> on th	his emissions un	Add New cornit or its related	ntrol device	ices: 3	
5. Is there <b>monitoring e</b>	equipment on though I  Monitor 1	his emissions un	Add New connit or its related skip to section B	ntrol device	ices:   Monitor 3	
5. Is there <b>monitoring</b> e	e <b>quipment</b> on th	his emissions un	Add New cornit or its related	ntrol device	ices: 3	
5. Is there <b>monitoring e</b>	equipment on though I  Monitor 1	his emissions un	Add New connit or its related skip to section B	ntrol device d control devi	ices:   Monitor 3	
5. Is there <b>monitoring</b> e	equipment on the bugh I  Monitor 1  C CEMs	his emissions un	Add New cornit or its related skip to section B  Monitor	ntrol deviced control devi	Monitor 3	
5. Is there <b>monitoring</b> e	equipment on the bugh I  Monitor 1  C CEMs  C opacity	his emissions un	Add New connit or its related skip to section B  Monitor  CEN	ntrol deviced control devi	Monitor 3  CEMs  opacity	
5. Is there <b>monitoring</b> e	equipment on the bugh I  Monitor 1  C CEMs  C opacity	his emissions un	Add New connit or its related skip to section B  Monitor  CEN	ntrol device d control devi	Monitor 3  CEMs  opacity	
5. Is there <b>monitoring e</b> C Yes - answer a thro  a. Monitor type:	Monitor 1  CEMs Copacity Cother	his emissions un	Add New connit or its related skip to section B  Monitor  CEN  Opa	ntrol device d control devi	Monitor 3  CEMs  opacity  other	
5. Is there <b>monitoring</b> e	Monitor 1  CEMs Copacity Cother	his emissions un	Add New connit or its related skip to section B  Monitor  CEN  Opa	ntrol device d control devi	Monitor 3  CEMs  opacity  other	
5. Is there <b>monitoring e</b> C Yes - answer a thro  a. Monitor type:	Monitor 1  CEMs Copacity Cother	his emissions un	Add New connit or its related skip to section B  Monitor  CEN  Opa	ntrol device d control devi	Monitor 3  CEMs  opacity  other	
5. Is there <b>monitoring</b> of Yes - answer a throat a. Monitor type:	Monitor 1  CEMs Copacity Cother	his emissions un	Add New connit or its related skip to section B  Monitor  CEN  Opa	ntrol device d control devi	Monitor 3  CEMs  opacity  other	
a. Monitor type:   b. Manufacturer:	Monitor 1  CEMs Copacity Cother	his emissions un	Add New connit or its related skip to section B  Monitor  CEN  Opa	ntrol device d control devi	Monitor 3  CEMs  opacity  other	

Bureau of Air and Waste

### **Fuel Burning Device**

**Emission Unit** 

2017
Year of Record
3
DEP EU#

						1190564
e. Installation Date:	(mm/dd/yyyy	)	(mm/dd/yyyy	·)	(mm/dd/yyy	y)
f. DEP Approval #:						
g. DEP Approval Date:	(mm/dd/yyyy	)	(mm/dd/yyyy	·)	(mm/dd/yyy	y)
h. Decommission Date:	(mm/dd/yyyy	)	(mm/dd/yyyy	·)	(mm/dd/yyy	y)
i. Recorder?	C yes	© no	🧖 yes	C no	🧖 yes	C no
j. Audible Alarm?	🧖 yes	C no	🧖 yes	C no	C yes	C no
k. Data System?	C yes	<b>©</b> no	🧖 yes	C no	C yes	C no
I. Monitored Pollutants - check all that apply:  3. Fuels and	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	sions	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other Describe		PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	
Fuel Name / Characteris umber of fuels for this uni		cords):		R#1-CLEAVER BROC	0KS #2 OIL-0.3 PE	RCENT SULFU
			Fuel N	ame		
			DEP F	uel #		
Add a NEW fuel: Check the	box if you need	d to add a fuel that you	did Delet	e this fuel: check box	if you stopped u	ising this fuel in this unit
ot report on previously (eDEP			permane	ntly. You must still re	port for this year	of record even if amount is
ackage).			"0" - the	fuel will be removed	from the unit in t	he next report cycle.
umber of Additional Fuels :						
Source Classification Co	de (SCC): 🕜		102005	501		
	. ,			call DEP if SCC wi		

EXTERNAL COMBUSTION BOILERS - INDUSTRIAL - DISTILLATE OIL -

Bureau of Air and Waste

## **Fuel Burning Device**

**Emission Unit** 

2017
Year of Record
3
DEP EU#
1190564

	GRADES 1 AND 2 - BOILER				
	SCC Description - filled by eDEP upon error check.				
b. Type of fuel	FUEL NO.2				
	Fuel Description - filled by eDEP upon error check.				
c. Sulfur content for oils and coal (0-2.2%):	.138				
	Percent by weight				
d. Ash content for oils and coal(0- 10.0%):	0				
	Percent by weight				
e. Maximum hourly fuel rate for all firing burners:(enter "0"if unit	0.02 1000 GALLONS				
decommissioned prior to this year of record):	Amount Units per hour				
f. Do you have fuel or usage restrictions? 🕡	<b>⊙</b> yes				
g. DEP approval number for fuel restrictions: 🕡	MBR-95-RES-047				
	Most recent for this fuel				
h. Annual usage restriction ( for this fuel):(amount or hours)	376680 GALLONS <u>▼</u>				
	Quantity Units				
i. Short term use restriction (for this fuel):(amount or hours)	31390 GALLONS 🔻				
	Quantity Units				
	Per   COO				
	month week day hour				
2. Total actual fuel used for year of record:	8.3000 1000 GALLONS				
( check your amount vs units and enter "0" if not used in the year $$	of a. Amount - year of record b. Units				
record)	9.1 1000 GALLONS				
	c. Total annual usage for prior year of record				

3. Total emissions for this fuel only in tons per year:

Calculations: The form will automatically calculate the actual and potential emissions UNLESS you check a box to manually enter emissions for each specific pollutant. Click the "?" icon for information to help you decide how to use this feature:

Pollutant:	PM10-FIL(Report-ONLY filterable PM)	PM25-FIL(Report-ONLY filterable PM)	PM-CON	S02
Actual for previous	0.0046	0.0011		0.0892
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0042	0.0010		0.0813
record:	Tons	Tons	Tons	Tons
Potential emissions	0.0876	0.0219		1.7166
Foteritial etrissions	Tons	Tons	Tons	Tons
Emission Factor	1	0.25		142
in pounds per unit	1000 GALLONS	1000 GALLONS		1000 GALLONS 🔻
Calculation Method	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 💌	USEPA Emission Factor ( 🔽
Max allowed				

Bureau of Air and Waste

## **Fuel Burning Device**

Emission Unit

2017
Year of Record
3
DEP EU#

								1190564
emissions-annual:	Tons		Tons		Tons	S		Tons
Max allowed								
emissions-short term:	Tons		Tons		Tons	S		Tons
Short term Period	•			▼				✓
Basis DEP Approval								
number or regulation:								
			!					
Pollutant:	ГРВ		□ voc		ΠN	H3		<u> </u>
Actual for previous			0.0009		0.00	036		0.0228
year:	Tons		Tons		Tons			Tons
Actual for year of			0.0008				ا	0.0208
record:	Tons		Tons		Tons		-	Tons
Potential emissions			0.0175				ا	0.4380
	Tons		Tons		Tons		-	Tons
Emission Factor			0.20		<u></u>			5
in pounds per unit		▼1	1000 GAL	LONS _		_	1	1000 GALLONS
Calculation Method	USEPA Emission Factor (	▼	USEPA E	mission Factor ( 🔻	USE	EPA Emission Factor (		USEPA Emission Factor ( 💌
Max allowed								
emissions-annual:	Tons		Tons		Tons			Tons
Max allowed								
emissions-short term:	Tons		Tons		Tons		1	Tons
Short term Period				▼		▼		▼
Basis DEP Approval								
number or regulation:								
•								
Pollutant:	NO2			specify other poll	utant			<b>▼</b>
Actual for previous	0.1092							
year:	Tons			Tons				
Actual for year of	0.0996							
record:	Tons			Tons				
Potential emissions	2.1024							
	Tons			Tons				
Emission Factor	24			l				
in pounds per unit	1000 GALLONS	<u>-</u>				•		
Calculation Method	USEPA Emission Factor (	<b>~</b> ]		USEPA Emission Fa	actor (			
Max allowed								
emissions-annual:	Tons			Tons				
Max allowed								
emissions-short term:	Tons			Tons				
Short term Period	<b>▼</b> 1			▼1				
	<b>T</b>			· · · · · · · · · · · · · · · · · · ·				

	Bureau of Air and W		2017 Year of Record
	Fuel Burning D Emission Unit	Device	3 DEP EU#
DED Assessed			1190564
asis DEP Approval umber or regulation:			
I. Ozone season ei	missions - May 1 through September 3	30: 🔞	
0	, , ,	0	
	/ VOC emissions - pounds per day enter your own values	b. Typical day NOx emissions - pounds per check to enter your own values	day
		issions for you. However, you may enter your own valu	ies by checking the
boxes above.			
C. Notes	and Attachments		
1. Notes: please ir	nclude any additional information that	will help DEP understand your submission.	
2. Attachments:			
	Ibmit attachments to this form (e.g., calcula	tions) -add a note in the field above indicating what is attache	d This will create a
		attach electronic files to your submittal. For attachments that	
		er them to DEP with a paper copy of this form.	55oc 50 5011t
, ploud	sast and doller		
			Път
			,,,



#### AP1 Sec A - Transaction #1152006

Exit



## Massachusetts Department of Environmental Protection Bureau of Air and Waste

## Fuel Burning Device Emission Unit

2017 Year of Record DEP EU# 1190564 Facility AQ Identifier

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839	1190564
b. DEP Account Number	c. Facility AQ Identifier
2. Emission Unit Identifiers: 🕡	
CUMMINS GENERATOR #2 (NT855G2, DIESEL)	
a. Facility's choice of emission unit name - edit as needed	
50	50
b. Facility's emission unit number / code - edit as needed	c. DEP emission unit #
d. ORIS ID # – for large electrical utilities only	e. Combined Units – enter number of individual units 3
3. Emission unit installation and decommission dates:	
08/01/1999	
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable 3
	Complete only if the unit was shut down permanently or resince the last report.
<ul><li>4. Emission Unit Replacement </li><li>a. Is this unit, replacing another emission unit?</li></ul>	
a. Is this unit, replacing another emission unit?	since the last report.
	since the last report.
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name for	since the last report.  or the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?	since the last report.  or the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name for	since the last report.  or the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name for the second of the sec	since the last report.  or the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name for the second of the sec	since the last report.  or the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name for the second of the sec	or the unit being replaced from the drop-down list below:  t name  RECIPROCATING IC ENGINE
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name for the second of the sec	or the unit being replaced from the drop-down list below:  t name  RECIPROCATING IC ENGINE
a. Is this unit, replacing another emission unit?  • No • Yes - Enter DEP's emissions unit number and name for the second of the	or the unit being replaced from the drop-down list below:  t name  RECIPROCATING IC ENGINE  ENGINE

#### **Massachusetts Department of Environmental Protection** 2017 Bureau of Air and Waste Year of Record **Fuel Burning Device** 50 DEP EU# **Emission Unit** 1190564 Non Emergency Use(hours) Maintenance and Readiness Testing(hours) **CUMMINS** 125-DGEA b. Manufacturer c. Model number 1.6880 d. Max Input Rating MMBtu/hr (must be greater than 0) e. Number of burners (enter "0" if not applicable) f. Types of burner - check one: C rotary @ mech. atomizer C steam atomizer air atomizer traveling grate nand fired Other Specify "other" burner type g. Burner Manufacturer h. Burner Model number i.Burner Installation Date (mm/dd/yyyy) 6. DEP approvals - leave blank if not applicable: 05/04/1989 a. Most recent approval number b. DEP approval date (mm/dd/yyyy) 7. Is this unit exempt under 310 CMR 7.02 Plan Approvals? © Yes © No 8. If exempt from Plan Approval, indicate the reason for the exemption, from the drop-down list below. (e.g., cite a specific DEP regulation): below thresholds in 310 CMR 7.02 (2)(b) 7 and 15 9. Additional State Reporting Requirements: a. Are there other routine air quality reporting requirements for this emissions unit? Yes - Specify reporting frequency below No - Skip to question 9c b. Reporting frequency - check all that apply: RES Annual Semi-annual Quarterly (include Operating Permit and Plan Approval reports, but not exceedance reporting)

a. check if continuously operated - 24 X 7 X 52

c. Is this unit subject to (check all that apply):

10. Hours of operation for the emission unit:

☐ NSPS

□ NESHAP

	Massachusetts Dep Bureau of Air and		nmental Protection	2017 Year of Recor
	Fuel Burning	r Davica		50
		; Device		DEP EU#
	Emission Unit			1190564
1	1		12	1190304
b. Number of hours per	day c Number o	of days per week	d. Number of weeks per year	
	•		a a a a a a	
	al operation that occurs in ea		Sum of Q1+Q2+Q3+Q4 must =	100%
33.0		7	or 0 if the unit was not operated	
Q1 Q2	Q3	Q4	or on the unit was not operated	for any quarter
. Ozone season sched	ule - May 1 through Septemb	er 30:		
4	1		8	
a. Ozone season hour	s per day b. Ozone s	season days per week	c. Weeks operated in ozone se	ason
	_		·	_
. Emission Release Po	oint - select one:		Engines click here for instructions	1 •
Non-Stack Release F	oints:	Physical	Stacks:	
C fugitive		© vertic	al stack	
C horizontal vent		C vertic	al with rain cap/sleeve	
C engine exhaust				
C downward facing	vent			
C vertical stack/vent	less than 10ft			
Link this unit to a phy	raigal atack ( if applicable) p	iak from the list below:		
. Link this unit to a phy	sical stack ( if applicable) - p	ick from the list below.		
1 STACK GENERATOR (2	)- CUMMINS AND CATERPILLAR			
•	rom STACK form - to change			
he stack for this unit is	not listed, save and exit this	form now and complete a	new Stack form before returning to t	this form.
. Is there an air pollution	on control device/s on this en	nissions unit? 🕜		
C Yes - answer a thro	ugh i 🖟 No -	skip to question 15		
air pollution control	device 🕜			
	Click the	e button below to add a new	control device	
	_			
		Add New control dev	ice	
. Is there <b>monitoring e</b>	quipment on this emissions			
i. Is there <b>monitoring e</b> © Yes - answer a thro				
	ugh I • No	unit or its related control o	devices: 3	
	Monitor 1	unit or its related control of a skip to section B  Monitor 2	devices:   Monitor 3	
	Monitor 1	unit or its related control of a skip to section B  Monitor 2  CEMs	Monitor 3	
C Yes - answer a thro	Monitor 1  CEMs  Opacity	unit or its related control of a skip to section B  Monitor 2  CEMs  opacity	Monitor 3  CEMs  Opacity	
C Yes - answer a thro	Monitor 1	unit or its related control of a skip to section B  Monitor 2  CEMs	Monitor 3	
C Yes - answer a thro	Monitor 1  CEMs  opacity  other	unit or its related control of a skip to section B  Monitor 2  CEMs  opacity other	Monitor 3  CEMs  opacity  other	
C Yes - answer a thro	Monitor 1  CEMs  Opacity	unit or its related control of a skip to section B  Monitor 2  CEMs  Opacity	Monitor 3  CEMs  Opacity	
C Yes - answer a thro	Monitor 1  CEMs  opacity  other	unit or its related control of a skip to section B  Monitor 2  CEMs  opacity other	Monitor 3  CEMs  opacity  other	
C Yes - answer a thro  a. Monitor type:   b. Manufacturer:	Monitor 1  CEMs  opacity  other	unit or its related control of a skip to section B  Monitor 2  CEMs  opacity other	Monitor 3  CEMs  opacity  other	
Yes - answer a thro	Monitor 1  CEMs  opacity  other	unit or its related control of a skip to section B  Monitor 2  CEMs  opacity other	Monitor 3  CEMs  opacity  other	
C Yes - answer a thro  a. Monitor type:   b. Manufacturer:	Monitor 1  CEMs  opacity  other	unit or its related control of a skip to section B  Monitor 2  CEMs  opacity other	Monitor 3  CEMs  opacity  other	

Bureau of Air and Waste

### **Fuel Burning Device**

**Emission Unit** 

2017
Year of Record
50
DEP EU#

e. Installation Date:						
e. Ilistaliation Date.	(mm/dd/yyyy)		(mm/dd/yyyy	<b>'</b> )	(mm/dd/yyyy	у)
f. DEP Approval #:						
g. DEP Approval Date:	(mm/dd/yyyy)		(mm/dd/yyyy	·)	(mm/dd/yyy	y)
h. Decommission Date:						
	(mm/dd/yyyy)		(mm/dd/yyyy	<b>'</b> )	(mm/dd/yyy	y)
i. Recorder?	C yes	C no	C yes	C no	C yes	◯ no
i. Audible Alarm?	C yes	© no	C yes	C no	C yes	C no
k. Data System? 🕡	C yes	<b>○</b> no	C yes	C no	C yes	○ no
I. Monitored Pollutants - check all that apply:	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe		PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	▼	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	•
B. Fuels and		ions	GENEF	RATOR #2-CUMMINS #1	NT855G2-#2 OIL	0.3 PER.S
		ords):		VITOIVII2 OOMINIINO III		
		ords):	Fuel N			
		ords):	1	ame		
		ords):	Fuel N 1 DEP F	ame		
mber of fuels for this uni	t (previous rec		1 DEP F	ame uel #	you stopped us	sing this fuel in this unit
Add a NEW fuel: Check the report on previously (eDEP	t (previous rec	to add a fuel that you	DEP Foodid Delete	ame  uel # e this fuel: check box if ntly. You must still repo	ort for this year	of record even if amount
Fuel Name / Characterist Imber of fuels for this unit Imber of fuels for this unit Imber of fuels for the Lagrange of the Lagrange of Additional Fuels :	t (previous rec	to add a fuel that you	DEP Foodid Delete	ame  uel # e this fuel: check box if ntly. You must still repo	ort for this year	
Add a NEW fuel: Check the report on previously (eDEP ckage).	t (previous rec	to add a fuel that you	DEP Foodid Delete permaner "0" – the	ame  uel # e this fuel: check box if ntly. You must still repo	ort for this year	of record even if amount
Add a NEW fuel: Check the report on previously (eDEP	t (previous rec	to add a fuel that you	did Delete permaner "0" – the	ame  uel # e this fuel: check box if ntly. You must still repo	ort for this year o	of record even if amount

Bureau of Air and Waste

## **Fuel Burning Device**

**Emission Unit** 

2017	
Year of Record	
50	
DEP EU#	
1190564	

	(DIESEL) - RECIPROCATING
	SCC Description - filled by eDEP upon error check.
b. Type of fuel	DIESEL
	Fuel Description - filled by eDEP upon error check.
c. Sulfur content for oils and coal (0-2.2%):	.138
	Percent by weight
d. Ash content for oils and coal(0- 10.0%):	0
	Percent by weight
e. Maximum hourly fuel rate for all firing burners:(enter "0"if unit	0.0120 1000 GALLONS
decommissioned prior to this year of record): 🚺	Amount Units per hour 3
f. Do you have fuel or usage restrictions? 🔞	• yes O no - skip to question 2
g. DEP approval number for fuel restrictions: 🕡	EXEMPT 7.02
	Most recent for this fuel
h. Annual usage restriction ( for this fuel):(amount or hours)	300 EACH-YEAR ▼
	Quantity Units
i. Short term use restriction (for this fuel):(amount or hours)	24 DAY ▼
	Quantity Units
	Per C C C
	month week day hour
2. Total actual fuel used for year of record:	0.1800 1000 GALLONS 🔻
( check your amount vs units and enter "0" if not used in the year	of a. Amount - year of record b. Units
record)	.17 1000 GALLONS
	c. Total annual usage for prior year of record
3. Total emissions for this fuel only in tons per year: 🕡	

Pollutant:	PM10-FIL(Report-ONLY filterable PM)	PM25-FIL(Report-ONLY filterable PM)	PM-CON	□ SO2 <b>3</b>
Actual for previous	0.0036	0.0036		0.0034
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0038	0.0038		0.0036
record:	Tons	Tons	Tons	Tons
Potential emissions	2.2338	2.2338		2.0866
Foteritial entissions	Tons	Tons	Tons	Tons
Emission Factor	42.50	42.50		39.70
in pounds per unit	1000 GALLONS	1000 GALLONS		1000 GALLONS
Calculation Method	USEPA Emission Factor ( 💌	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 💌	USEPA Emission Factor ( 🔽
Max allowed				

Calculations: The form will automatically calculate the actual and potential emissions UNLESS you check a box to manually enter

emissions for each specific pollutant. Click the "?" icon for information to help you decide how to use this feature:

Bureau of Air and Waste

## **Fuel Burning Device**

Emission Unit

2017
Year of Record
50
DEP EU#

					1190564
emissions-annual:	Tons	Tons		Tons	Tons
Max allowed					
emissions-short term:	Tons	Tons		Tons	Tons
Short term Period	•		<u> </u>		•
Basis DEP Approval					
number or regulation:					
Pollutant:	□РВ	□ voc		□ NH3	
Actual for previous		0.0042		0.0002	0.0111
year:	Tons	Tons		Tons	Tons
Actual for year of		0.0044			0.0117
record:	Tons	Tons		Tons	Tons
Potential emissions		2.5912			6.8328
Oteritial erriissions	Tons	Tons		Tons	Tons
Emission Factor		49.30			130
in pounds per unit		1000 GAL	LONS _	_	1000 GALLONS
Calculation Method	USEPA Emission Factor ( 🔽	USEPA E	mission Factor ( 🔻	USEPA Emission Factor (	USEPA Emission Factor ( 🔽
Max allowed					
emissions-annual:	Tons	Tons		Tons	Tons
Max allowed					
emissions-short term:	Tons	Tons		Tons	Tons
Short term Period			<u> </u>		
Basis DEP Approval					
number or regulation:					
			1		
Pollutant:	NO2		specify other pollu	utant	▼
Actual for previous	0.0513				
year:	Tons		Tons		
Actual for year of	0.0544				
record:	Tons		Tons		
Potential emissions	31.7462		<u> </u>		
0	Tons		Tons		
Emission Factor	604			-1	
in pounds per unit	1000 GALLONS				
Calculation Method	USEPA Emission Factor ( 🔻		USEPA Emission Fa	actor ( 💌	
Max allowed			<u> </u>		
	Tons		Tons		
Max allowed emissions-short					
term:	Tons		Tons		
Short term Period	<b>-</b> 1		-1		

Record
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#### AP1 Sec A - Transaction #1152006

Exit



## Massachusetts Department of Environmental Protection Bureau of Air and Waste

## Fuel Burning Device Emission Unit

2017 Year of Record DEP EU# 1190564 Facility AQ Identifier

### Fauinment Description

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
-	4400504
b. DEP Account Number	c. Facility AQ Identifier
	o. I domy / to location
2. Emission Unit Identifiers:	
CATERPILLAR GENERATOR #1	
a. Facility's choice of emission unit name - edit as needed	
55	55
b. Facility's emission unit number / code - edit as needed	c. DEP emission unit #
d. ORIS ID # – for large electrical utilities only	e. Combined Units – enter number of individual units 🕡
3. Emission unit installation and decommission dates:	
05/04/1989	
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable
	Complete only if the unit was shut down permanently or re
	Complete only if the unit was shut down permanently or resince the last report.
4. Emission Unit Replacement	
·	
a. Is this unit, replacing another emission unit?	since the last report.
·	since the last report.
a. Is this unit, replacing another emission unit?	since the last report.
a. Is this unit, replacing another emission unit?	since the last report.  for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission unit	since the last report.  for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No CYes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission units.  5. Equipment	since the last report.  for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission units. Equipment and acidity's emission units. Equipment and acidity's emission units.	since the last report.  for the unit being replaced from the drop-down list below:  nit name
a. Is this unit, replacing another emission unit?  No CYes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission units.  5. Equipment	since the last report.  for the unit being replaced from the drop-down list below:
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission units.  Equipment 3  a. Equipment Type EPA Unit type code 3	since the last report.  for the unit being replaced from the drop-down list below:  nit name
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission units.  Equipment 3  a. Equipment Type EPA Unit type code 3	for the unit being replaced from the drop-down list below:  nit name  RECIPROCATING IC ENGINE
b. DEP's Emission Unit Number and facility's emission unit number and name  5. Equipment  a. Equipment Type EPA Unit type code  If engine, is this an emergency generator?	for the unit being replaced from the drop-down list below:  nit name  RECIPROCATING IC ENGINE  ENGINE

### **Massachusetts Department of Environmental Protection** 2017 Bureau of Air and Waste Year of Record **Fuel Burning Device** 55 DEP EU# **Emission Unit** 1190564 Non Emergency Use(hours) Maintenance and Readiness Testing(hours) CATERPILLAR 3412DIT b. Manufacturer c. Model number 5.3480 d. Max Input Rating MMBtu/hr (must be greater than 0) e. Number of burners (enter "0" if not applicable) f. Types of burner - check one: C rotary mech. atomizer C steam atomizer air atomizer C traveling grate nand fired Other Specify "other" burner type CATERPILLR N/A g. Burner Manufacturer h. Burner Model number 06/01/1989 i.Burner Installation Date (mm/dd/yyyy) 6. DEP approvals - leave blank if not applicable: MBR-89-COM-31 05/04/1989 a. Most recent approval number b. DEP approval date (mm/dd/yyyy) 7. Is this unit exempt under 310 CMR 7.02 Plan Approvals? C Yes C No 8. If exempt from Plan Approval, indicate the reason for the exemption, from the drop-down list below. (e.g., cite a specific DEP regulation): 9. Additional State Reporting Requirements:

a. Are there other routine air quality reporting requirements for this emissions unit?

Yes - Specify reporting frequency below No - Skip to question 9c

b. Reporting frequency - check all that apply:

RES Annual Semi-annual Quarterly

(include Operating Permit and Plan Approval reports, but not exceedance reporting)

c. Is this unit subject to (check all that apply):

 □ NESHAP ☐ NSPS

10. Hours of operation for the emission unit: a. check if continuously operated - 24 X 7 X 52

	Massachusetts De Bureau of Air ar	epartment of Enviro ad Waste	nmental Protection	2017 Year of Record
	Fuel Burnin	σ Device		55
		ig Device		DEP EU#
	Emission Unit			1190564
1	4		11	1130304
Number of hours per	day c Numbe	r of days per week	d. Number of weeks per year	
	-		d. Namber of Weeke per year	
	al operation that occurs in			1000/
33.		0.0	Sum of Q1+Q2+Q3+Q4 must =	
Q1 Q2	Q3	Q4	or 0 if the unit was not operated	ior arry quarter
Ozone season sched	ule - May 1 through Septen	nber 30:		
1	1		5	
a. Ozone season hour	s per day h Ozone	e season days per week	c. Weeks operated in ozone se	ason
	_	e season days per week	•	_
. Emission Release Po	oint - select one: 🚺		Engines click here for instructions	i 🔞
Non-Stack Release F	Points:	Physical	Stacks:	
C fugitive			cal stack	
C horizontal vent		© vertic	cal with rain cap/sleeve	
© engine exhaust			r	
© downward facing v	/ent			
© vertical stack/vent				
Vertical stack/verit	less than folt			
. Link this unit to a phy	sical stack ( if applicable) -	pick from the list below:		
4 074 01/ 054 150 470 0	CUMMING AND CATEDDILLA	D.		_1
	- CUMMINS AND CATERPILLA		Ol/ form	<u>. •</u>
= = = = = = = = = = = = = = = = = = = =	_	ge stack name use the STAC	new Stack form before returning to	this form
			new Stack form before returning to	una iorni.
. Is there an air pollution	on control device/s on this	emissions unit? 🚺		
C Yes - answer a thro	uah i 🙃 Na	- skip to question 15		
		- comp to queeners to		
ir pollution control	device 🕜			
	Click	the button below to add a new	control device	
		Add New control dev	rice	
	_			
. Is there monitoring e	quipment on this emission	s unit or its related control	devices: 3	
			devices: 🕜	
. Is there monitoring e		s unit or its related control o	devices: 3	
			devices:   Monitor 3	
C Yes - answer a thro	ugh I 🕝 I	No - skip to section B		
C Yes - answer a thro	ugh I	No - skip to section B  Monitor 2	Monitor 3	
C Yes - answer a thro	ugh I	No - skip to section B  Monitor 2  CEMs	Monitor 3	
C Yes - answer a thro	Monitor 1  CEMs  opacity	Monitor 2  CEMs  opacity	Monitor 3  C CEMs C opacity	
C Yes - answer a thro	Monitor 1  CEMs  opacity  other	Monitor 2  CEMs  opacity  other	Monitor 3  CEMs  opacity  other	
C Yes - answer a thro	Monitor 1  CEMs  opacity	Monitor 2  CEMs  opacity	Monitor 3  C CEMs C opacity	
	Monitor 1  CEMs  opacity  other	Monitor 2  CEMs  opacity  other	Monitor 3  CEMs  opacity  other	
C Yes - answer a thro  a. Monitor type:  b. Manufacturer:	Monitor 1  CEMs  opacity  other	Monitor 2  CEMs  opacity  other	Monitor 3  CEMs  opacity  other	
© Yes - answer a thro  a. Monitor type:   3	Monitor 1  CEMs  opacity  other	Monitor 2  CEMs  opacity  other	Monitor 3  CEMs  opacity  other	
C Yes - answer a thro  a. Monitor type:  b. Manufacturer:	Monitor 1  CEMs  opacity  other	Monitor 2  CEMs  opacity  other	Monitor 3  CEMs  opacity  other	

Bureau of Air and Waste

## **Fuel Burning Device**

**Emission Unit** 

2017
Year of Record
55
DEP EU#

						1190564
e. Installation Date:	(mm/dd/yyyy	)	(mm/dd/yyyy	·)	(mm/dd/yyy	y)
f. DEP Approval #:						
g. DEP Approval Date:	(mm/dd/yyyy	)	(mm/dd/yyyy	·)	(mm/dd/yyy	у)
h. Decommission Date:	(mm/dd/yyyy		(mm/dd/yyyy	·)	(mm/dd/yyy	у)
i. Recorder?	🦲 yes	C no	C yes	C no	C yes	C no
j. Audible Alarm?	🧖 yes	C no	🧖 yes	C no	🧖 yes	C no
k. Data System?	🦲 yes	C no	C yes	C no	C yes	C no
I. Monitored Pollutants - check all that apply:  B. Fuels and	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	sions	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe		PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	
Fuel Name / Characterist umber of fuels for this unit		cords):	GENEF	RATOR #1-CATERPIL	LAR 558.5 KW :	#2 OIL-0.3 S
			1 DEP F	uel #		
Add a NEW fuel: Check the			did Delete	e this fuel: check box		sing this fuel in this unit
ot report on previously (eDEP ackage).	will add a blanl	k Sect. B form to your				of record even if amount is he next report cycle.
umber of Additional Fuels :						
. Source Classification Co	de (SCC): 🕜		202001	02 call DEP if SCC wi	Il not validate)	

INTERNAL COMBUSTION ENGINES - INDUSTRIAL - DISTILLATE OIL

Bureau of Air and Waste

## **Fuel Burning Device**

**Emission Unit** 

2017	
Year of Record	
55	
DEP EU#	
1190564	

on error check. In error check.
SALLONS
SALLONS
SALLONS V
SALLONS 🔻
SALLONS 🔻
J/ (LLC) 140
er hour 🕜
-YEAR ▼
~
000
week day hour
LLONS
f record

3. Total emissions for this fuel only in tons per year:

Calculations: The form will automatically calculate the actual and potential emissions UNLESS you check a box to manually enter emissions for each specific pollutant. Click the "?" icon for information to help you decide how to use this feature:

Pollutant:	PM10-FIL(Report-ONLY filterable PM)	PM25-FIL(Report-ONLY filterable PM)	PM-CON	S02
Actual for previous	0.0073	0.0073		0.0068
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0024	0.0024		0.0023
record:	Tons	Tons	Tons	Tons
Potential emissions	7.0737	7.0737		6.6077
rotential emissions	Tons	Tons	Tons	Tons
Emission Factor	42.50	42.50		39.70
in pounds per unit	1000 GALLONS ▼	1000 GALLONS ▼	•	1000 GALLONS ▼
Calculation Method	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 🔻	USEPA Emission Factor ( 💌
Max allowed				

Bureau of Air and Waste

## **Fuel Burning Device**

Emission Unit

2017
Year of Record
55
DEP EU#

					1190564
emissions-annual:	Tons	Tons		Tons	Tons
Max allowed					
emissions-short term:	Tons	Tons		Tons	Tons
Short term Period			<b>_</b>	_	
Basis DEP Approval					
number or regulation:					
?					
Pollutant:	□РВ	□voc		□ NH3	
Actual for previous		0.0084		0.0005	0.0222
year:	Tons	Tons		Tons	Tons
Actual for year of		0.0028			0.0074
record:	Tons	Tons		Tons	Tons
Potential emissions		8.2055			21.6372
	Tons	Tons		Tons	Tons
Emission Factor		49.30			130
in pounds per unit	•	1000 GA	LLONS 🔻	•	1000 GALLONS
Calculation Method	USEPA Emission Factor ( 🔻	USEPA E	Emission Factor ( 🔻	USEPA Emission Factor (	USEPA Emission Factor ( 💌
Max allowed					
emissions-annual:	Tons	Tons		Tons	Tons
Max allowed					
emissions-short term:	Tons	Tons		Tons	Tons
Short term Period			▼	▼	<u> </u>
Basis DEP Approval					
number or regulation:					
•					
Pollutant:	NO2		specify other poll	utant	▼
Actual for previous	0.1033				
year:	Tons		Tons		
Actual for year of	0.0344				
record:	Tons		Tons		
Potential emissions	100.5298				
_	Tons		Tons		
Emission Factor	604				
in pounds per unit	1000 GALLONS			<u> </u>	
Calculation Method	USEPA Emission Factor ( 💌		USEPA Emission Fa	actor(💌	
Max allowed					
emissions-annual:	Tons		Tons		
Max allowed					
emissions-short	Tons		Tons		
term:	-		<b>-</b>		
Short term Period	▼		▼		

sis DEP Approval mber or regulation:  Ozone season emissions -  0.2439  a. Typical day VOC em  Check to enter your  NOTE: The form will est boxes above.  C. Notes and	timate the ozone season emi	Device	Year of Record 55 DEP EU# 1190564 er day
sis DEP Approval mber or regulation:  Ozone season emissions -  0.2439  a. Typical day VOC em  check to enter your  NOTE: The form will est boxes above.  C. Notes and	mission Unit  - May 1 through September 3  issions - pounds per day r own values  timate the ozone season emi	2.9969 b. Typical day NOx emissions - pounds pounds to the check to enter your own values	DEP EU# 1190564
Ozone season emissions -  0.2439  a. Typical day VOC em  Check to enter your  NOTE: The form will est boxes above.  C. Notes and	- May 1 through September 3 issions - pounds per day r own values timate the ozone season emi	2.9969 b. Typical day NOx emissions - pounds per check to enter your own values	1190564
Ozone season emissions -  0.2439 a. Typical day VOC em  check to enter your  NOTE: The form will est boxes above.  C. Notes and	issions - pounds per day r own values timate the ozone season emi	2.9969 b. Typical day NOx emissions - pounds per check to enter your own values	,
Ozone season emissions -  0.2439 a. Typical day VOC em  check to enter your  NOTE: The form will est boxes above.  C. Notes and	issions - pounds per day r own values timate the ozone season emi	2.9969 b. Typical day NOx emissions - pounds per check to enter your own values	er day
Ozone season emissions - 0.2439 a. Typical day VOC em Check to enter your  NOTE: The form will est boxes above.  C. Notes and	issions - pounds per day r own values timate the ozone season emi	2.9969 b. Typical day NOx emissions - pounds per check to enter your own values	er day
a. Typical day VOC em check to enter your  NOTE: The form will est boxes above.  C. Notes and	issions - pounds per day r own values timate the ozone season emi	2.9969 b. Typical day NOx emissions - pounds per check to enter your own values	er day
a. Typical day VOC em check to enter your  NOTE: The form will est boxes above.  Notes and	issions - pounds per day r own values timate the ozone season emi	2.9969 b. Typical day NOx emissions - pounds per check to enter your own values	er day
a. Typical day VOC em Check to enter your NOTE: The form will est boxes above.  Notes and	r own values timate the ozone season emi	b. Typical day NOx emissions - pounds per check to enter your own values	er day
NOTE: The form will est boxes above.  Notes and	r own values timate the ozone season emi	check to enter your own values	ei day
NOTE: The form will est boxes above.  C. Notes and	timate the ozone season emi		
boxes above.  C. Notes and		issions for you. However, you may enter your own va	
Notes: please include an			
	y additional information that v	will help DEP understand your submission.	
Attachments:			
Check here to submit attach	ments to this form (e.g., calculat	tions) -add a note in the field above indicating what is attact	ched. This will create a
		attach electronic files to your submittal. For attachments th	



#### AP1 Sec A - Transaction #1152006

Exit



## Massachusetts Department of Environmental Protection Bureau of Air and Waste

# Fuel Burning Device Emission Unit

2017 Year of Record DEP EU# 1190564 Facility AQ Identifier

CLEAN HARBORS OF BRAINTREE INC			
a. Facility Name			
34839	1190564		
b. DEP Account Number	c. Facility AQ Identifier		
2. Emission Unit Identifiers: 🕜			
2 LENNOX FURNACES SR 20Q5-140/154			
a. Facility's choice of emission unit name - edit as needed			
64	64		
b. Facility's emission unit number / code - edit as needed	c. DEP emission unit #		
d. ORIS ID # – for large electrical utilities only	e. Combined Units – enter number of individual units 🕜		
3. Emission unit installation and decommission dates:			
06/01/1994			
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable 🕡		
	Complete only if the unit was shut down permanently or replace since the last report.		
Ⅰ. Emission Unit Replacement			
Emission Unit Replacement      a. Is this unit, replacing another emission unit?			
a. Is this unit, replacing another emission unit?	since the last report.		
·	since the last report.		
a. Is this unit, replacing another emission unit?	since the last report.		
a. Is this unit, replacing another emission unit?	since the last report.  for the unit being replaced from the drop-down list below:		
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission unit	since the last report.  for the unit being replaced from the drop-down list below:		
a. Is this unit, replacing another emission unit?  No CYes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission units.  Equipment	since the last report.  for the unit being replaced from the drop-down list below:		
a. Is this unit, replacing another emission unit?  O No O Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission units. Equipment   Equipment Type	since the last report.  for the unit being replaced from the drop-down list below:  nit name		
a. Is this unit, replacing another emission unit?  No Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission units. Equipment  a. Equipment Type  EPA Unit type code	for the unit being replaced from the drop-down list below:  lit name		
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission unit. Equipment  a. Equipment Type  EPA Unit type code	since the last report.  for the unit being replaced from the drop-down list below:  nit name		
a. Is this unit, replacing another emission unit?  No C Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission unit. Equipment  a. Equipment Type  EPA Unit type code	for the unit being replaced from the drop-down list below:  lit name		
a. Is this unit, replacing another emission unit?  O No O Yes - Enter DEP's emissions unit number and name  b. DEP's Emission Unit Number and facility's emission unit.  Equipment a. Equipment Type EPA Unit type code	for the unit being replaced from the drop-down list below:    State		

### **Massachusetts Department of Environmental Protection** 2017 Bureau of Air and Waste Year of Record **Fuel Burning Device** 64 DEP EU# **Emission Unit** 1190564 Non Emergency Use(hours) Maintenance and Readiness Testing(hours) LENNOX SR20Q5-140 b. Manufacturer c. Model number 0.3070 d. Max Input Rating MMBtu/hr (must be greater than 0) e. Number of burners (enter "0" if not applicable) f. Types of burner - check one: C rotary mech. atomizer C steam atomizer air atomizer traveling grate C hand fired Other Specify "other" burner type BECKETT AFG g. Burner Manufacturer h. Burner Model number 06/01/1995 i.Burner Installation Date (mm/dd/yyyy) 6. DEP approvals - leave blank if not applicable: a. Most recent approval number b. DEP approval date (mm/dd/yyyy) 7. Is this unit exempt under 310 CMR 7.02 Plan Approvals? © Yes © No 8. If exempt from Plan Approval, indicate the reason for the exemption, from the drop-down list below. (e.g., cite a specific DEP regulation): below thresholds in 310 CMR 7.02 (2)(b) 7 and 15 9. Additional State Reporting Requirements: a. Are there other routine air quality reporting requirements for this emissions unit? Yes - Specify reporting frequency below No - Skip to question 9c b. Reporting frequency - check all that apply: ▼ RES Annual Semi-annual Quarterly (include Operating Permit and Plan Approval reports, but not exceedance reporting)

a. check if continuously operated - 24 X 7 X 52

c. Is this unit subject to (check all that apply):

10. Hours of operation for the emission unit:

☐ NSPS

□ NESHAP

	Bureau of A		f Environn	nental Protection	2017
					Year of Record
		ning Device	<del>.</del>		64
	Emission Unit				DEP EU#
			ı	lo.	1190564
b. Number of hours per	day c N	umber of days per wee		d. Number of weeks per year	
	-			a. Humber of weeks per year	
e. Percent of total annu	<u> </u>		uarter:	Sum of 04+02+02+04	<b>-</b> 100%
0.0		0.0		Sum of Q1+Q2+Q3+Q4 must or 0 if the unit was not operate	
Q1 Q2	Q3	Q4		or on the difference operate	a for any quarter
1. Ozone season sched	ule - May 1 through S	eptember 30:			
0	0			0	
a. Ozone season hour	rs per day b. 0	Ozone season days pe	er week	c. Weeks operated in ozone s	season
2. Emission Release Po	oint - select one: 🕜		E	ingines click here for instruction	ns: 🕜
Non-Stack Release I	Points:		Physical Sta	cks:	
C fugitive			• vertical s	tack	
C horizontal vent			C vertical v	rith rain cap/sleeve	
C engine exhaust					·
C downward facing	vent				
C vertical stack/vent	less than 10ft				
	CP C I				
4. Is there an air pollution	on control device/s or	n this emissions unit?	3	w Stack form before returning to	o this form.
4. Is there an air pollution	on control device/s or		3	w Stack form before returning to	o this form.
4. Is there an air pollution	on control device/s or	n this emissions unit?	15		o this form.
4. Is there an air pollution	on control device/s or	n this emissions unit?  No - skip to question  Click the button below to	15 o add a new cont	rrol device	o this form.
4. Is there an air pollution.  C Yes - answer a thro	on control device/s or ough i	n this emissions unit?  No - skip to question  Click the button below to	3 15 o add a new cont ontrol device	rol device	o this form.
4. Is there an air pollution.  Yes - answer a throcal air pollution control.  The pollution control.	on control device/s or bugh i  I device  quipment on this emi	n this emissions unit?  No - skip to question  Click the button below to	3 15 o add a new cont ontrol device	rol device	o this form.
4. Is there an air pollution.  C Yes - answer a thro	on control device/s or bugh i  I device  quipment on this emi	n this emissions unit?  No - skip to question  Click the button below to	add a new control device	rol device	o this form.
4. Is there an air pollution?  Yes - answer a thro  Air pollution contro  5. Is there monitoring e	on control device/s or ough i  I device  equipment on this emi	Add New Co	and a new control device ed control device B	crol device ces: 3	o this form.
4. Is there an air pollution  C Yes - answer a thro  Air pollution contro  5. Is there monitoring e	on control device/s or bugh i  I device   equipment on this emitting in the country of the count	Add New Codesions unit or its related No - skip to section  Monit	and a new control device ed control device B  or 2  EMs	ces:   Monitor 3  CEMs	o this form.
4. Is there an air pollution.  C Yes - answer a thro  Air pollution contro  5. Is there monitoring e	on control device/s or ough i  I device  equipment on this emi	Add New Consistence of the Section of this emissions unit?  Click the button below to the section of the Sectio	and a new control device ed co	monitor 3  CEMs  Opacity	o this form.
4. Is there an air pollution.  C Yes - answer a thrown air pollution control.  5. Is there monitoring each of Yes - answer a thrown and Yes - answer a thrown air pollution.	on control device/s or bugh i  I device   equipment on this emitting in the country of the count	Add New Codesions unit or its related No - skip to section  Monit	and a new control device ed co	ces:   Monitor 3  CEMs	o this form.
4. Is there an air pollution  C Yes - answer a thro  Air pollution contro  5. Is there monitoring e	equipment on this emi	Add New Consistence of the Section of this emissions unit?  Click the button below to the section of the Sectio	and a new control device ed co	monitor 3  CEMs  Opacity	o this form.
4. Is there an air pollution.  C Yes - answer a thrown air pollution control.  5. Is there monitoring each of Yes - answer a thrown and Yes - answer a thrown air pollution.	equipment on this emi	Add New Consistence of the Section of this emissions unit?  Click the button below to the section of the Sectio	and a new control device ed co	monitor 3  CEMs  Opacity	o this form.
4. Is there an air pollution  C Yes - answer a thro  Air pollution contro  5. Is there monitoring e	equipment on this emi ough I  Monitor 1  CEMs Opacity Other	Add New Co	and a new control device ed co	Monitor 3  CEMs  opacity  other	o this form.
4. Is there an air pollution.  C Yes - answer a throad in pollution control.  5. Is there monitoring each of Yes - answer a throad in Yes - answer	equipment on this emi ough I  Monitor 1  CEMs Opacity Other	Add New Co	and a new control device ed co	Monitor 3  CEMs  opacity  other	o this form.
4. Is there an air pollution?  Yes - answer a throad ir pollution contro  5. Is there monitoring each of Yes - answer a throad a. Monitor type:	equipment on this emi ough I  Monitor 1  CEMs Opacity Other	Add New Co	and a new control device ed co	Monitor 3  CEMs  opacity  other	o this form.
4. Is there an air pollution.  C Yes - answer a thro  Air pollution contro  5. Is there monitoring e  C Yes - answer a thro  a. Monitor type: 3	equipment on this emi ough I  Monitor 1  CEMs Opacity Other	Add New Co	and a new control device ed co	Monitor 3  CEMs  opacity  other	o this form.

Bureau of Air and Waste

## **Fuel Burning Device**

**Emission Unit** 

2017
Year of Record
64
DEP EU#

						1190564
e. Installation Date:	(mm/dd/yyyy)		(mm/dd/yyyy	)	(mm/dd/yyy	y)
f. DEP Approval #:						
g. DEP Approval Date:	(mm/dd/yyyy)		(mm/dd/yyyy	)	(mm/dd/yyy	y)
h. Decommission Date:			(mm/dd/yyyy	)	(mm/dd/yyy	y)
i. Recorder?	C yes	C no	C yes	© no	C yes	C no
j. Audible Alarm?	C yes	Ĉ no	C yes	Ĉ no	🧖 yes	C no
k. Data System?	C yes	C no	C yes	C no	C yes	C no
I. Monitored Pollutants - check all that apply:  3. Fuels and	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	ions	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other Describe	<b>▼</b>	PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other  Describe	
Fuel Name / Characteris umber of fuels for this uni		ords):		CES #1(2)-LENNOX S	R 20Q5 #2 OIL	-0.3 SULPHUR
•			Fuel Na	ame —————		
			DEP Fu	# lei		
Add a NEW fuel: Check the	box if you need	to add a fuel that you	did Delete	e this fuel: check box i	f you stopped u	sing this fuel in this unit
t report on previously (eDEP			permaner	ntly. You must still repo	ort for this year	of record even if amount is
ckage).			"0" – the	fuel will be removed fr	om the unit in the	he next report cycle.
umber of Additional Fuels :						
Source Classification Co	de (SCC):		105001	 05		

EXTERNAL COMBUSTION - SPACE HEATERS - INDUSTRIAL -

Bureau of Air and Waste

## **Fuel Burning Device**

Emission Unit

2017
Year of Record
64
DEP EU#
1190564

'			DISTILLATE	OIL		
			SCC Descr	ription - filled by	eDEP upon error ch	eck.
b. Type of fuel			FUEL NO.2			
			Fuel Descr	iption - filled by e	eDEP upon error che	eck.
c. Sulfur content for	oils and coal (0-2.2%):		.138			
			Percent by	weight		
d. Ash content for o	oils and coal(0- 10.0%):		0			
			Percent by	weight		
e. Maximum hourly	fuel rate for all firing burners:	(enter "0"if unit	0.0022		1000 GALLONS	<b>~</b> 1
decommissioned pr	rior to this year of record): 🕡		Amount		Units per hour 🕜	)
f. Do you have fuel of	or usage restrictions? 🕡		© yes	C no - skip to qu	uestion 2	
g. DEP approval nu	ımber for fuel restrictions: 🕜		EXEMPT			
			Most recen	t for this fuel		
h. Annual usage res	striction ( for this fuel):(amou	nt or hours)	19.2720		1000 GALLONS	▼
			Quantity		Units	
i. Short term use re	striction (for this fuel):(amour	nt or hours)	0.0022		1000 GALLONS	▼
			Quantity		Units	
				P	er C C C month week day I	nour
2. Total actual fuel	used for year of record:		0		1000 GALLONS	<b>v</b> ]
( check your amou	nt vs units and enter "0" if not	t used in the year o	<sup>of</sup> a. Amount -	year of record	b. Units	
record)			0	1000 GALLONS		
			c. Total ann	nual usage for pr	rior year of record	
	for this fuel only in tons per	=	notontial are	icciona LINI ECC	S you shock a have to	manually antar
	form will automatically calculated specific pollutant. Click the '		-		=	manually enter
Pollutant:	PM10-FIL(Report-ONLY filterable PM)	Filterable PM)	ort-ONLY	PM-CON	□ SO2	8
	Interaction in interaction	Interable F WI)				

Pollutant:	PM10-FIL(Report-ONLY filterable PM)	PM25-FIL(Report-ONLY filterable PM)	PM-CON	S02
Actual for previous	0	0		0
year:	Tons	Tons	Tons	Tons
Actual for year of	0	0		0
record:	Tons	Tons	Tons	Tons
Potential emissions	0.0237	0.0059		0.1910
1 oteritiai erriissioris	Tons	Tons	Tons	Tons
Emission Factor	2.46	0.6150		143.60
in pounds per unit	1000 GALLONS	1000 GALLONS		1000 GALLONS
Calculation Method	USEPA Emission Factor ( 🔽	USEPA Emission Factor ( 🔽	USEPA Emission Factor ( 🔽	USEPA Emission Factor ( 🔽
Max allowed				

Bureau of Air and Waste

## **Fuel Burning Device**

Emission Unit

2017
Year of Record
64
DEP EU#

						119056	,4
emissions-annual:	Tons	Tons		Tons		Tons	
Max allowed							
emissions-short term:	Tons	Tons		Tons		Tons	
Short term Period	•		•		<b>-</b>		
Basis DEP Approval							
number or regulation:							
Pollutant:	PB	□voc		□ NH3			
Actual for previous		0		0		0	
year:	Tons	Tons		Tons		Tons	
Actual for year of		0				0	
record:	Tons	Tons		Tons		Tons	
Potential emissions		0.0073				0.0482	
otoritiai orriiodiorio	Tons	Tons		Tons		Tons	
Emission Factor		0.76				5	
in pounds per unit		1000 GAL	LONS 🔻		.▼	1000 GALLONS	▼
Calculation Method	USEPA Emission Factor ( 🔽	USEPA E	mission Factor ( 🔻	USEPA Emission	Factor ( 💌	USEPA Emission Factor	or ( 🔻
Max allowed							
emissions-annual:	Tons	Tons		Tons		Tons	
Max allowed							
emissions-short term:	Tons	Tons		Tons		Tons	
Short term Period	▼		•	•	•]	▼	
Basis DEP Approval							
number or regulation:							
<b>3</b>							
Pollutant:	NO2		specify other poll	utant		<u>•</u> ]	
Actual for previous	0						
year:	Tons		Tons				
Actual for year of	0						
record:	Tons		Tons				
Potential emissions	0.1927						
?	Tons		Tons				
Emission Factor	20						
in pounds per unit	1000 GALLONS			<u> </u>			
Calculation Method	USEPA Emission Factor ( 💌		USEPA Emission Fa	actor ( 🔽			
Max allowed							
emissions-annual:	Tons		Tons				
Max allowed							
emissions-short	Tons		Tons				
term:				1			
Short term Period	▼		▼				

	Bureau of Air and W	ment of Environmental Protection aste	2017 Year of Recor
	Fuel Burning D Emission Unit	evice	64 DEP EU#
	Linission Chit		1190564
s DEP Approval			,
per or regulation:			
		_	
	ons - May 1 through September 3		
0		0	
	C emissions - pounds per day	b. Typical day NOx emissions - pounds pe	er day
cneck to enter	your own values	check to enter your own values	
	nd Attachments		
		will help DEP understand your submission.	
S UNIT WAS NOT USE	D IN CALENDAR YEAR 2017		
Attachments:			
	attachments to this form (e.g., calculati	ions) -add a note in the field above indicating what is attact	hed. This will create a