

Massachusetts Department of Environmental Protection

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Username: MICHAELC68

Transaction ID: 1173429

Document: AQ Source Registration Package (SR)

Size of File: 4336.05K

Status of Transaction: Submitted

Date and Time Created: 3/29/2023:4:30:34 PM

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Massachusetts Department of Environmental Protection Bureau of Air and Waste

Source Registration (SR) or SR and Greenhouse Gas (GHG) Overview 2018 YEAR OF RECORD 1190564 FACILTY AQ Identifier

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.

1. Select existing or new facility :

Existing Facility:Check to create a complete package for reporting Check if you added emission units or stacks since your year 2018 last report.

New Facility: Check if you have never before submitted an AQ Source Registration Package (SR) or (SR/GHG).

Date received (DEP use only - mm/dd/yyyy)

B. Amend an AQ Source Registration Package (SR) or SR and Greenhouse Gas(SR/GHG) Package.

1. Check if you need to correct or add to a previously submitted SR or SR/GHG Package **2018**, check the boxes in the list below to select the forms/units you wish to work on.

2.Facility Name : CLEAN HARBORS OF BRAINTREE INC

Our records indicate that this facility has 23 Emission Units (points)

Facility Information Form (general facility and contact)

AP-TES Total Emissions Statement (facility-wide emissions; includes hazardous Air Pollutant (HAP) reporting).

Emission unit name	DEP#	EU Category	Last Update
HURST BOILER, 2.091 MMBTU/HR, NO. 2 FUEL OIL-0.3 S	2	FUEL BURNING DEVICE	2017
CLEAVER BROOKS BOILER (NO.2 FUEL OIL, 0.3S)	3	FUEL BURNING DEVICE	2017
CUMMINS GENERATOR #2 (NT855G2, DIESEL)	50	FUEL BURNING DEVICE	2017
CATERPILLAR GENERATOR #1	55	FUEL BURNING DEVICE	2017
2 LENNOX FURNACES SR 20Q5-140/154	64	FUEL BURNING DEVICE	2017
INDUSTRIAL OIL FURNACE LG14-225	67	FUEL BURNING DEVICE	2017
2 DRUM CRUSHING LINES	5	PROCESS	2017
AG TANK A3-9,800 GAL	8	TANK	2017
AG TANK A6- 9,500 GAL WASTE STREAM A-31	11	TANK	2017
AG TANK A7 - 9,500 GAL.	12	TANK	2017
AG TANK A8 - 10,000 GAL TANK	13	TANK	2017
AG TANK A9- 10,000 GAL	14	TANK	2017
AG TANK A17B - 750 GAL	18	TANK	2017
AG TANK A22 (2,400 GAL)	23	TANK	2017
AG TANK A23 (2,400 GAL)	24	TANK	2017
AG TANK A24 (2,400 GAL)	25	TANK	2017
1	-i	1	1

	Massachusetts Department of En	viron	mental	2018	
	Protection Duncan of Air and Waste			YEAR OF RECO	RD
	Bureau of Air and Waste			1190564	
	Source Registration (SR) or SR Greenhouse Gas (GHG) Overvi			FACILTY AQ Ide	ntifie
	G TANK A25 (1,000 GAL)	26	TANK	2017	
AC	G TANK A13 (4,000 GAL), DIESEL LOW SULF	51	TANK	2017	
AC	G TANK A12 (6,300 GAL), NO. 2 FUEL OIL	52	TANK	2017	
AC	G TANK B1- POLYOLEFIN WASTEWATER NO VOCS	53	TANK	2017	
	G TANK B2- POLYOLEFIN TANK WASTEWATER NO VOCS	54	TANK	2017	
	G TANK B4- POLYOLEFIN H WASTEWATER NO VOCS	57	TANK	2017	
A	G TANK B7- POLYOLEFIN TANKS WASTEWATER NO VOCS	60	TANK	2017	
기 ST	FACK #1- INCINERATOR #1-VENT-O-MATIC	1	STACK	2017	
ST	TACK #2- HURST BOILER, NO. 2 FUEL OIL	2	STACK	2017	
1 :	STACK - BOILER #1-CLEAVER BROOKS, NO 2 FUEL OIL	3	STACK	2017	
2 [DRUM CRUSHING LINES	5	STACK	2017	
1 5	STACK GENERATOR (2)- CUMMINS AND CATERPILLAR	7	STACK	2017	
7 1 5	STACK-2 FURNACES - LENNOX	9	STACK	2017	
🖉 CL	JT OFF ROOM	10	STACK	2017	

	Massachusetts D Protection	Department of	Environmenta	2018	
	Bureau of Air a	and Waste -	Air Quality	Year of Record	_
	Facility Information			1190564	
				Facility AQ identifier	
A Eacili	ty Information	.			
	ty Information				
1. Facility - the si	te or works where the regula	ted activity occurs:			
	S OF BRAINTREE INC				
a. Facility Nam	9				
1 HILL AVE					
b. Facility Stree	et Address Line 1				
c. Facility Stree	t Address Line 2				
BRAINTREE		MA		021840000	
d. City/Town		e. State		f. ZIP Code	
7813807100			7813807193		
g. Facility Phor	e Number		h. Facility Fax Nur	nber	
1 HILL AVE a. Facility Mailir	ng Address / PO Box Line 1				
b. Facility Mailir	ng Address / PO Box Line 2				
BRAINTREE		MA		021840000	
c. City/Town		d. State		e. ZIP Code	
3. Facility type - c	heck one:				
C Utility	Private C Tribal	C Federal	C State	C Local Government	
	Code - for large electrical utili	tion only:			
	Joue - Ior large electrical utili	ues only.	 ORIS Facility Co	de la	
5. ID Numbers:			ORIS Facility Coo	75	
34839			1190564		
	Number / FMF Facility #			er - SSEIS ID Number	
6. Location :			,		
42.235971	44.0		70.972946		
a. Latitude 42.9 7. North America) - 41.2 n Industry Classification Sys		-	73.5 - 69.8 Enter positive values only.	
	,,				
562211 a. (Primary)	b.	C.		d.	
a. (i maiy)	U.	υ.		u.	

Bureau of Air and Waste - Air Quality Facility Information Year of Re Year of Re I190564 Facility description (What is being produced and how it is being produced at this facility - update as needed): CLEAN HARBORS OF BRAINTREE INC. IS A HAZARDOUS WASTE TSDF. NO PRODUCTION AT THIS FACILITY.
LEAN HARBORS OF BRAINTREE INC. IS A HAZARDOUS WASTE TSDF. NO PRODUCTION AT THIS FACILITY. 12:00 AM 12:00 AM 12:00 AM 12:00 AM Image: Start Time b. End Time d. Which days is the facility open? Image: Start Time Image: S
12:00 AM Image: Construct of the state of the stat
d. Which days is the facility open? S M T W T W T W T S S M T W T W T W T W T W T S S W T W T W W <t< td=""></t<>
0. Number of Employees: 16 1. Facility Owner: same address as facility mailing address (will copy address into fields below) Please contact your MassDEP Regional Office if the ownership of this facility has changed. CLEAN HARBORS OF BRAINTREE INC a. Owner or Corporation Name 1 HILL AVE
1. Facility Owner: Same address as facility mailing address (will copy address into fields below) Please contact your MassDEP Regional Office if the ownership of this facility has changed. CLEAN HARBORS OF BRAINTREE INC a. Owner or Corporation Name 1 HILL AVE
Please contact your MassDEP Regional Office if the ownership of this facility has changed. CLEAN HARBORS OF BRAINTREE INC a. Owner or Corporation Name 1 HILL AVE
Please contact your MassDEP Regional Office if the ownership of this facility has changed. CLEAN HARBORS OF BRAINTREE INC a. Owner or Corporation Name 1 HILL AVE
CLEAN HARBORS OF BRAINTREE INC a. Owner or Corporation Name 1 HILL AVE
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
US 042507498
g. Country h. Owner TIN
7813807100 7134 7813807193

Facility Int	.,	<i>Waste - Air Quality</i>	2018	
i denity in	-	2000009	Year of Recor	rd
	ormation		1190564	
			Facility AQ io	dentifier
. Facility contact information:	same ad	dress as facility address		
	same ad	dress as facility mailing address		
DAVID		MEDINA		
a. Facility Contact First Name		Contact Last Nat	ne	
1 HILL AVE				
o. Mailing Address Line 1				
c. Mailing Address Line 2				
BRAINTREE		MA	021840000	-
d. City/Town		e. State	f. Zip Code	
US	▼ mec	linad@cleanharbors.com		-
		-mail Address		
g. Country				
g. Country			7010007100	-
7803807100		j. Extension	7813807193 k. Fax Number]
7803807100 . Phone Number			k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con		j. Extension ame name and address as facility ame address as facility address	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con		ame name and address as facility ame address as facility address	k. Fax Number	
7803807100 . Phone Number	□ s	ame name and address as facility	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con JAMES R. a. Air emissions contact First Na	me	ame name and address as facility ame address as facility address	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con	me	ame name and address as facility ame address as facility address	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con JAMES R. a. Air emissions contact First Na 26137 SOUTH RIDGELAND AVE	me	ame name and address as facility ame address as facility address	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con JAMES R. a. Air emissions contact First Na 26137 SOUTH RIDGELAND AVE	me	ame name and address as facility ame address as facility address	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con JAMES R. a. Air emissions contact First Na 26137 SOUTH RIDGELAND AVE b. Mailing Address Line 1	me	ame name and address as facility ame address as facility address	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con JAMES R. a. Air emissions contact First Na 26137 SOUTH RIDGELAND AVE b. Mailing Address Line 1 c. Mailing Address Line 2	me	ame name and address as facility ame address as facility address LAUBSTED Air emissions cont	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con JAMES R. a. Air emissions contact First Na 26137 SOUTH RIDGELAND AVE b. Mailing Address Line 1 C. Mailing Address Line 2 MONEE d. City/Town	me	ame name and address as facility ame address as facility address LAUBSTED Air emissions cont	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con JAMES R. a. Air emissions contact First Na 26137 SOUTH RIDGELAND AVE b. Mailing Address Line 1 C. Mailing Address Line 2 MONEE d. City/Town US	me INUE	ame name and address as facility ame address as facility address LAUBSTED Air emissions cont	k. Fax Number	
7803807100 . Phone Number 3. Air emissions information con JAMES R. a. Air emissions contact First Na 26137 SOUTH RIDGELAND AVE b. Mailing Address Line 1 C. Mailing Address Line 2 MONEE d. City/Town	me INUE	ame name and address as facility ame address as facility address LAUBSTED Air emissions cont	k. Fax Number	

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

Facility Information

2018

Year of Record

1190564

same name and address as air emissions contact name and address

same name and address as facility contact name and address

Facility AQ identifier

B. Preparer

1. Contact information for the **preparer** of this submittal:

	same address as facility ac	ddress
MICHAEL	COMEAU	
a. Preparer First Name	Preparer Last Name	
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@cleanha	rbors.com
g. Country	h. E-mail Address	
7817925174		7817921030
i. Phone Number j	. Extension	k. Fax Number

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

Facility Information

Year of Record

1190564

2018

Facility AQ identifier

C. Notes

1. **Notes:** please include in the space below any additional information that will help DEP understand your submission (5000 character max).

D. Certification

"I certify that I have personally examined the foregoing and am familiar with the information contained in this report and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information; I believe that the information is true, accurate, and complete. I am aware that there are signification penalties for submitting false information, including possible fines and imprisonment."

A responsible official for the facility must provide the electronic signature. The signature and date are inserted below by eDEP during the signature Step.

Signed under the pains and penalties of perjury:

Signature of Responsible Official

Responsible official - complete all fields below.

MICHAEL

a. First Name

COMEAU

COMPLIANCE MANAGER

c. Title

7817925174

d. Phone Number

comeau.michaeld@cleanharbors.com

e. E-mail Address

Date

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

2018

Facility Information

Year of Record

1190564

Facility AQ identifier

MassDEP's Online Filing System

TES - Transaction #1173429

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Print

	Massachusetts Department of Environmental Protection Bureau of Air and Waste	2018 YEAR OF RECORD
C/K	BWP AQ AP - TES Total Emissions Statement & Hazardous Air Pollutant List	1190564 Facility AQ Identifier
A . Annual Total E	Emissions Statement	
1. Facility Identifi	ers:	
	S OF BRAINTREE INC	

Exit

34839

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	.0167	.0087		.2106
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0246	0.0157	0	0.2466
record:	Tons	Tons	Tons	Tons
Potential emissions	9.4880	9.3526	0	11.9580
	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:				
number or regulation:	PB	VOC	NH3	со
number or regulation:	PB	VOC	NH3	CO .0714
number or regulation: Pollutant:	PB Tons			
number or regulation:		.0092	0	.0714
number or regulation:	Tons	.0092 Tons	0 Tons	.0714 Tons
number or regulation: Pollutant: Actual for previous year: Actual for year of record:	Tons 0	0.0171	0 Tons 0	0.0986
number or regulation:	Tons 0 Tons	0.0092 Tons 0.0171 Tons	0 Tons 0 Tons	0.0714 Tons 0.0986 Tons
number or regulation: Pollutant: Actual for previous year: Actual for year of record: Potential emissions Max allowed	Tons 0 Tons 0 0	.0092 Tons 0.0171 Tons 22.8354	0 Tons 0 Tons 0	0.0714 Tons 0.0986 Tons 29.3023
number or regulation: Pollutant: Actual for previous year: Actual for year of record: Potential emissions	Tons 0 Tons 0 0	.0092 Tons 0.0171 Tons 22.8354 Tons	0 Tons 0 Tons 0	0.0714 Tons 0.0986 Tons 29.3023
number or regulation: Pollutant: Actual for previous year: Actual for year of record: Potential emissions Max allowed	Tons 0 Tons 0 Tons 0 Tons 1 Tons 1 Tons 1	.0092 Tons 0.0171 Tons 22.8354 Tons 36.2	0 Tons 0 Tons 0 Tons	.0714 Tons 0.0986 Tons 29.3023 Tons
number or regulation: Pollutant: Actual for previous year: Actual for year of record:	Tons 0 Tons 0 0	.0092 Tons 0.0171 Tons 22.8354	0 Tons 0 Tons 0	0.0714 Tons 0.0986 Tons 29.3023

	Bureau of . BWP AQ A	Air and Waste	Environmental Protection	20 YE 11 Fac
Short term Period		Month	•	•
Basis DEP Approval number or regulation:		MBR-95-RES-047		
Pollutant:	NO2		нос	
Actual for previous year:	.3395 Tons		Tons	
Actual for year of record:	0.4676 Tons		0 Tons	
Potential emissions	136.2320 Tons		0 Tons	
Max allowed emissions-annual:	Tons		Tons	
Max allowed emissions-short term:	9400 Tons		Tons	
Short term Period	Month			
Basis DEP Approval number or regulation:	MBR-95-RES-047			

3.If you have facility-wide fuel, raw material, or product restrictions, either by plan approval or regulation complete the following for each :

3

	EXEMPT	135411	GALLONS	year 💌			
0	DEP approval # (most recent)	Amount of Restriction	Restriction Units	Per Unit Time			
	NO. 2 FUEL OIL 0.3 PERCENT SU	JLFUR					
	Description of fuel, raw material	l or product restricted					
Ī	MBR-86-COM-027	376680	GALLONS	💌 year 💌			
	DEP approval # (most recent)	Amount of Restriction	Restriction Units	Per Unit Time			
	NO. 2 FUEL OIL 0.3 PERCENT SU	JLFUR					
	NO. 2 FUEL OIL 0.3 PERCENT SU Description of fuel, raw materia						
			HOUR	year 💌			
	Description of fuel, raw materia	l or product restricted	HOUR Restriction Units	year 💽 Per Unit Time			
	Description of fuel, raw materia MBR-89-COM-31	I or product restricted 300 Amount of Restriction					

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

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

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BWP AQ AP - TES

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 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 year	Tons	Tons	Tons	Tons	Tons
Actual for year of record:	0 Tons	0 Tons	0 Tons	0 Tons	Tons
CO2e for previous year	Tons	Tons	Tons	Tons	Tons
CO2e for year of record (Tons)	0 Tons	0 Tons	0 Tons	0 Tons	Tons

5. Total CO2e emissions

0	
a. Actual for previous year (Tons)	
0	
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)?

🖸 Yes 🗘 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)?

🛈 Yes 🔘 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)

🔿 Yes 🛈 No

C. Hazardous Air Pollutants (HAPs) 🕜

1. Hazardous Air Pollutant List

HAP

METHYL ALCOHOL	67561
a. HAP Name	b. CAS # for individual HAPs

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

Massachusetts Department of Bureau of Air and Waste				
BWP AQ AP - TES				
Total Emissions Statement & Hazardous Air Pollutant List				
.152	0.036			
I. Actual for previous year	e. Actual for year of record			
12.8	18.6			
. Potential Emissions	g. Max allowed emissions – annual			
5000	~			
n. Max allowed emissions – short term	i. Short term period			
MBR-95-RES-047				
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.				
021	.023			
I. Actual for previous year	e. Actual for year of record			
12.8	18.6			
. Potential Emissions	g. Max allowed emissions – annual			
5000				
n. Max allowed emissions – short term	i. Short term period			
MBR-95-RES-047				
. Basis DEP Approval number or regulation				
ETHYLENE GLYCOL	v 107211			
a. HAP Name	b. CAS # for individual HAPs			
C. Check if this is your single largest HAP emission.				
0	.109			
I. Actual for previous year	e. Actual for year of record			
	18.6			
12.8				
	g. Max allowed emissions – annual			
. Potential Emissions				
5000				
. Potential Emissions 5000 n. Max allowed emissions – short term	i. Short term period			
. Potential Emissions 5000 h. Max allowed emissions – short term MBR-95-RES-047				
. Potential Emissions 5000 n. Max allowed emissions – short term MBR-95-RES-047 . Basis DEP Approval number or regulation	i. Short term period			
12.8 5. Potential Emissions 5000 n. Max allowed emissions – short term MBR-95-RES-047 . Basis DEP Approval number or regulation If a HAP is not listed above, use the bunched by the shore of the	i. Short term period			

Massac Bureat	20 YI		
BWP A Total Em	11 Fac		
l a. Actual for previous year	.289		
b. Actual for year of record:	.168]	
. 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	

DEP approval # or regulation

f.	Short	term	period:	

g. Basis for max allowed emissions:

D. Notes and Attachments

1. Notes: Please include in the space below any additional information that will help DEP understand your submission.

Month 🔻

MBR-95-RES-047

2. Attachments:

4

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.

DEP
 MassDEP's Online Filing System

AP1 Sec A - Transaction #1173429

Print		Exit
Massachusetts Departme	nt of Environmental Protectior	1 2018
Bureau of Air and Was	ste	Year of Record
Fuel Burning Dev	vice	2
Emission Unit		DEP EU#
		1190564
		Facility AQ Identifier
A. Equipment Description		
I. Faciltity Identifiers: 🕜		
CLEAN HARBORS OF BRAINTREE INC		
a. Facility Name		
a 1999		
34839		
b. DEP Account Number	c. Facility AQ Identifier	
2. Emission Unit Identifiers: 🕜		
HURST, 2.091 MMBTU/HR, NO. 2 FUEL OIL-0.3 S		
a. Facility's choice of emission unit name - edit as neede	24	
a. Facility's choice of emission unit name - eut as need	54	
2	2	
b. Facility's emission unit number / code - edit as needed	d c. DEP emission unit #	
d. ORIS ID # – for large electrical utilities only	e. Combined Units – enter number	of individual units 🕜
B. Emission unit installation and decommission dates:		
05/04/0000		
05/01/2003	h. Decompriseion Data (mm/dd/ann) if applicable 🕜
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - II applicable 🖤
	Complete only if the unit was shut d since the last report.	own permanently or replaced
4. Emission Unit Replacement 🕜		
a. Is this unit, replacing another emission unit?		
No ○ Yes - Enter DEP's emissions unit number and nam	e for the unit being replaced from the drop-down	list below:
		•
b. DEP's Emission Unit Number and facility's emission u	unit name	
0		
5. Equipment 🕜		
a. Equipment Type		
EPA Unit type code 🕜	BOILER	•
	BOILER	
If engine, is this an emergency generator? 🔞	C Yes C No	
If an emergency generator, please give the numb operation:	per of hours of operation during the repor	rting year for each category of
Emergency Use(hours)		

	Massachusetts Depar Bureau of Air and		ironmental Prote	2018 Year of R
	Fuel Burning	Device		2
		Device		⊫≃ DEP EU#
	Emission Unit			119056
Non Emergency	llee(houre)			117000
Non Emergency	036(110013)			
Maintenance and	Readiness Testing(hours)			
LUDOT		4.5.500		
HURST b. Manufacturer		4∨T-50B⊦ c. Model		
2.0910				if a standard last
d. Max Input Rating	MMBtu/hr (must be greater than 0		er of burners (enter "0"	ir not applicable)
f. Types of burner - o	check one:	C rotary		
		mech. atomizer		
		C steam atomizer		
		C air atomizer		
		C traveling grate		
		C hand fired		
		C Other		
	Si	pecify "other" burne	r type	
HURST		30		
g. Burner Manufactu	irer	h. Burne	r Model number	
05/01/2003				
i.Burner Installation	Date (mm/dd/yyyy)			
EP approvals - leav	e blank if not applicable: 🕜			
Most recent approv	al number	b. DEP app	proval date (mm/dd/yyyy	()
s this unit exempt un	ider 310 CMR 7.02 Plan Approva	ls?		
⊙Yes ◯No	· ······			
exempt from Plan A ulation):	Approval, indicate the reason for the second s	he exemption, from	the drop-down list belo	w. (e.g., cite a specific DEP
) CMR 7.02 (2)(b) 7 and 15			•
	orting Requirements:			
Are there other rou	tine air quality reporting requirem	nents for this emiss	sions unit?	
C Yes - Specify report			kip to question 9c	
Reporting frequence	y - check all that apply:	ni-annual	Annual	RES
nclude Operating Pe	rmit and Plan Approval reports, b	out not exceedance	reporting)	
Is this unit subject to	o (check all that apply):			
Hours of operation	for the emission unit: 🕜	🗖 a. check	if continuously operated -	24 X 7 X 52

				ronmental Prote		2018
	Bureau of					Year of Record
	Fuel Bu	urning]	Device			2
	Emission Uni	0				DEP EU#
						1190564
24		7		17		
o. Number of hours pe	r day	c. Number of c	lays per week	d. Number of w	eeks per year	
e. Percent of total annu	ual operation that	occurs in each	calendar quarter:			
83.0 17		0.0	0.0		2+Q3+Q4 must = 1	
Q1 Q2	2	Q3	Q4	or U if the unit	was not operated f	or any quarter
. Ozone season sched	dule - May 1 throug	gh September	30:			
0		0		0		
a. Ozone season hou	rs per day		son days per week		ated in ozone sea	son
. Emission Release P		_			re for instructions:	-
r						•
Non-Stack Release	Points:]		cal Stacks:		
C fugitive				ertical stack		
C horizontal vent				ertical with rain cap/sleev	e	
C engine exhaust	vont					
C vertical stack/vent						
STACK #2- HURST BOILE cility's stack identifier f	ER, NO. 2 FUEL OIL	- to change sta			fore returning to tl	is form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti ÕYes - answer a thro	ER, NO. 2 FUEL OIL from STACK form s not listed, save a fon control device/	- to change stand exit this for	ack name use the S ⁻ m now and complet		fore returning to th	nis form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro	ER, NO. 2 FUEL OIL from STACK form a not listed, save a fon control device/ pugh i	- to change stand exit this for	ack name use the S ⁻ m now and complet sions unit? ?		fore returning to th	Tis form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti	ER, NO. 2 FUEL OIL from STACK form a not listed, save a fon control device/ pugh i	- to change sta and exit this for (s on this emise (No - skip	ack name use the S ⁻ m now and complet sions unit? ?	e a new Stack form be	fore returning to th	
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro	ER, NO. 2 FUEL OIL from STACK form a not listed, save a fon control device/ pugh i	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S [°] m now and complet sions unit? to question 15 utton below to add a n	e a new Stack form be	fore returning to th	
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro	ER, NO. 2 FUEL OIL from STACK form a not listed, save a fon control device/ pugh i	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ² m now and complet sions unit? ? p to question 15	e a new Stack form be	fore returning to th	
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ion control device/ ough i	- to change stand exit this for /s on this emiss (No - skip Click the bu	ack name use the S ² m now and complet sions unit? o to question 15 utton below to add a n	e a new Stack form be ew control device device	fore returning to t	
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro ir pollution contro	ER, NO. 2 FUEL OIL from STACK form s not listed, save a tion control device/ ough i ol device ?	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ² m now and complet sions unit? o to question 15 utton below to add a n	e a new Stack form be ew control device device	fore returning to t	This form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti C Yes - answer a thro ir pollution contro	ER, NO. 2 FUEL OIL from STACK form s not listed, save a tion control device/ ough i ol device ?	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ² m now and complet sions unit? ? p to question 15 utton below to add a n Add New control o t or its related contr	e a new Stack form be ew control device device	fore returning to th	■ nis form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro ir pollution contro . Is there monitoring e	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ton control device/ bugh i ol device ?	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ² m now and complet sions unit? to question 15 utton below to add a n Add New control of t or its related control kip to section B	e a new Stack form be ew control device device rol devices: ?		INIS FORM.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro ir pollution contro . Is there monitoring e	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ion control device/ ough i ol device ? equipment on this ough I Monitor 1	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ² m now and complet sions unit? p to question 15 utton below to add a n Add New control of t or its related control kip to section B Monitor 2	e a new Stack form be ew control device device rol devices: ?	onitor 3	■ nis form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro ir pollution contro . Is there monitoring e	ER, NO. 2 FUEL OIL from STACK form s not listed, save a tion control device/ bugh i ol device ? equipment on this bugh I Monitor 1 CEMs	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ² m now and complet sions unit? to question 15 utton below to add a n Add New control of t or its related control kip to section B Monitor 2 CEMs	e a new Stack form be ew control device device rol devices: ?	onitor 3 Õ CEMs	Lis form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro ir pollution contro . Is there monitoring e	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ion control device/ ough i ol device ? equipment on this ough 1 Monitor 1 © CEMs © opacity	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ^T m now and complet sions unit? p to question 15 utton below to add a n Add New control of t or its related control kip to section B Monitor 2 CEMs C CEMs C opacity	e a new Stack form be ew control device device rol devices: ?	onitor 3 © CEMs © opacity	Let a la construction de la cons
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti O Yes - answer a thro ir pollution contro . Is there monitoring e	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ion control device/ ough i ol device ? equipment on this ough 1 Monitor 1 © CEMs © opacity	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ^T m now and complet sions unit? p to question 15 utton below to add a n Add New control of t or its related control kip to section B Monitor 2 CEMs C CEMs C opacity	e a new Stack form be ew control device device rol devices: ? M	onitor 3 © CEMs © opacity	nis form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti C Yes - answer a thro .ir pollution contro	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ion control device/ ough i ol device equipment on this ough I Monitor 1 © CEMs © opacity © other	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ^T m now and complet sions unit? p to question 15 utton below to add a n Add New control of t or its related control kip to section B Monitor 2 CEMs Opacity Other	e a new Stack form be ew control device device rol devices: ? M	onitor 3 © CEMs © opacity © other	Let a constrain a constraint a
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti ① Yes - answer a thro if pollution contro . Is there monitoring e ② Yes - answer a thro a. Monitor type: ③	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ion control device/ ough i ol device equipment on this ough I Monitor 1 © CEMs © opacity © other	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ^T m now and complet sions unit? p to question 15 utton below to add a n Add New control of t or its related control kip to section B Monitor 2 CEMs Opacity Other	e a new Stack form be ew control device device rol devices: ? M	onitor 3 © CEMs © opacity © other	is form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti ① Yes - answer a thro ir pollution contro . Is there monitoring e ① Yes - answer a thro a. Monitor type: 3	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ion control device/ ough i ol device equipment on this ough I Monitor 1 © CEMs © opacity © other	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ^T m now and complet sions unit? p to question 15 utton below to add a n Add New control of t or its related control kip to section B Monitor 2 CEMs Opacity Other	e a new Stack form be ew control device device rol devices: ? M	onitor 3 © CEMs © opacity © other	is form.
STACK #2- HURST BOILE cility's stack identifier f he stack for this unit is . Is there an air polluti ① Yes - answer a thro ir pollution contro . Is there monitoring e ② Yes - answer a thro a. Monitor type: ③	ER, NO. 2 FUEL OIL from STACK form s not listed, save a ion control device/ ough i ol device equipment on this ough I Monitor 1 © CEMs © opacity © other	- to change sta and exit this for 's on this emiss (No - skip Click the bu	ack name use the S ^T m now and complet sions unit? p to question 15 utton below to add a n Add New control of t or its related control kip to section B Monitor 2 CEMs Opacity Other	e a new Stack form be ew control device device rol devices: ? M	onitor 3 © CEMs © opacity © other	nis form.

		setts Departr f Air and Wo		of Env	ironmenta	l Protection	,	018
							_	ear of Record
	Fuel B	urning D	evic	e			2	
	Emission Un	it					DI	EP EU#
							1	190564
e. Installation Date:								
	" (mm/dd/yyyy)	I	(mn	n/dd/yyyy)	(mm/dd/yyy	/y)	
. DEP Approval #:								
g. DEP Approval Date:								
	(mm/dd/yyyy)		(mn	n/dd/yyyy)	(mm/dd/yyy	/y)	
n. Decommission Date:								
	(mm/dd/yyyy)	1	(mn	n/dd/yyyy)	(mm/dd/yyy	/y)	
. Recorder?	C yes	C no	C	yes	C no	C yes	C no	
. Audible Alarm?	C yes	C no	C	yes	© no	C yes	© no	
k. Data System? 🕜	C yes	C no	C	yes	© no	C yes	© no	
. Monitored Pollutants -	PM 10		ΓP	PM 10		PM 10		
check all that apply:	PM 2.5		ΓP	PM 2.5		PM 2.5		
	SO2		Γs	602		SO2		
	$\Box \infty$		Γc	α		$\Box \infty$		
	□ voc		Γv	OC		□ voc		
	□ NO2			102		NO2		
			ΓN					
	Mercury			lercury		Mercury		
				Dxygen				
	T H2S		ГĿ					
						H2S		
	□ HCL							
	C Opacity			Opacity		C Opacity		
	C Other	_	-1	Other		Other		_1
	Describe			cribe		Describe		
. Fuels and		ions						
Fuel Name / Characteris	tics:			BOILEF	R#2-HURST #3	0 - #2 OIL-0.3 SULFI	JR	
mber of fuels for this uni	t (previous rec	ords):						
				Fuel Na	ame			
				1				
				DEP Fu	uel #			
Add a NEW fuel: Check the		· · · · · · · · · · · · · · · · · · ·	_	-		< box if you stopped u	-	
report on previously (eDEP	will add a blank	Sect. B form to you	_	-		till report for this year		-
kage).				"0" – the 1	fuel will be remo	oved from the unit in t	he next report o	cycle. 🥑
ber of Additional Fuels :								
	de (SCC): 🕜			102005	01			[
nber of Additional Fuels :	de (SCC): 了					C will not validate)		

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Massachusetts Department Bureau of Air and Waste	Massachusetts Department of Environmental Protection Bureau of Air and Waste				
Fuel Burning Devi		2			
Emission Unit	•••		DEP EU#		
			1190564		
	GRADES 1 AND 2 - BOILER		1		
	SCC Description - filled by o	eDEP upon error chec	k.		
. Type of fuel	FUEL NO.2				
	Fuel Description - filled by e	DEP upon error chec	k.		
. Sulfur content for oils and coal (0-2.2%):	.138				
	Percent by weight				
. Ash content for oils and coal(0- 10.0%):	0				
	Percent by weight				
. Maximum hourly fuel rate for all firing burners:(enter "0"if unit	0.0155	1000 GALLONS	•		
ecommissioned prior to this year of record): 🕜	Amount	Units per hour 🕜			
Do you have fuel or usage restrictions?	⊙ yes O no - skip to qu	estion 2			
. DEP approval number for fuel restrictions: 🝞	EXEMPT				
	Most recent for this fuel				
. Annual usage restriction (for this fuel):(amount or hours)	111252	GALLONS	•		
	Quantity	Units			
Short term use restriction (for this fuel):(amount or hours)	9271	GALLONS	•		
	Quantity	Units			
	P	er C C C C month week day ho	ື ur		
2. Total actual fuel used for year of record:	2.0300	1000 GALLONS	▼		
check your amount vs units and enter "0" if not used in the year	^{of} a. Amount - year of record	b. Units			
ecord)	12.39 1000 GALLO				
	c. Total annual usage for pr	ior year of record	,		
3. Total emissions for this fuel only in tons per year: 3					

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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:	FIL(Report-ONLY	Filterable PM)	PM-CON	
Actual for previous	0.0062	0.0015		0.1214
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0010	0.0003		0.0199
record:	Tons	Tons	Tons	Tons
Potential emissions	0.0679	0.0170		1.3304
	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 (
Max allowed				

	Massachusetts Department of Environmental Protection Bureau of Air and Waste2018 Year of T						
	Fuel Burning Device2						
	Emission Unit	-		DEP EU#			
				1190564			
emissions-annual:	Tons	Tons	Tons	Tons			
lax allowed							
missions-short term:	Tons	Tons	Tons	Tons			
Short term Period	•						
Basis DEP Approval							
number or regulation:							
Pollutant:	ГВ						
Actual for previous		0.0012		0.0310			
ear:	Tons	Tons	Tons	Tons			
ctual for year of		0.0002		0.0051			
ecord:	Tons	Tons	Tons	Tons			
		0.0136		0.3395			
Potential emissions	Tons	Tons	Tons	Tons			
Emission Factor		0.20		5			
n pounds per unit		1000 GALLONS	_	1000 GALLONS			
Calculation Method	USEPA Emission Factor (USEPA Emission Factor (USEPA Emission Factor (USEPA Emission Factor (💌			
lax allowed							
missions-annual:	Tons	Tons	Tons	Tons			
/lax allowed							
missions-short term:	Tons	Tons	Tons	Tons			
Short term Period		_	•				
Basis DEP Approval number or regulation:							

Pollutant:	I NO2	specify other pollutant
Actual for previous	0.1487	
year:	Tons	Tons
Actual for year of	0.0244	
record:	Tons	Tons
Potential emissions	1.6294	
•	Tons	Tons
Emission Factor	24	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Factor (USEPA Emission Factor (💌
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short	Tons	Tons
term:		
Short term Period	▼	

	Massachusetts Department of Environmental Protection Bureau of Air and Waste		2018 Year of Record
	Fuel Burning Device		
	Emission Unit		, DEP EU#
			1190564
ber or regulation:	ns - May 1 through September 30:	2	
a. Typical day VOC	emissions - pounds per day	b. Typical day NOx emissions - pounds per day	
	your own values	check to enter your own values	

C. Notes and Attachments

1. Notes: please include any additional information that will help DEP understand your submission.

2. Attachments:

Check here to submit attachments to this form (e.g., calculations) -add a note in the field above indicating what is attached. This will create a new step on your Transaction Overview Page where you will attach electronic files to your submittal. For attachments that cannot be sent electronically, please list all such attachments above and deliver them to DEP with a paper copy of this form.

∏►

DEP
 MassDEP's Online Filing System

AP1 Sec A - Transaction #1173429

Print		Exit
	nt of Environmental Protection	2018
Bureau of Air and Wasi	te	Year of Record
Fuel Burning Dev	vice	3
Emission Unit		DEP EU#
Emission onit		-
		1190564
		Facility AQ Identifier
A. Equipment Description		
Faciltity Identifiers: 🕜		
CLEAN HARBORS OF BRAINTREE INC		
a. Facility Name		
34839		
b. DEP Account Number	c. Facility AQ Identifier	
Emission Unit Identifiers: 🕜		
CLEAVER BROOKS BOILER (NO.2 FUEL OIL, 0.3S) a. Facility's choice of emission unit name - edit as needed	d	
	u	
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 o	f individual units 🕜
Emission unit installation and decommission dates:		
09/01/1986		
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy)	- if applicable 🕜
	Complete only if the unit was shut do	wn permanently or replaced
	since the last report.	wit permanentity of replaced
Environment Deplement		
Emission Unit Replacement 🕜		
a. Is this unit, replacing another emission unit?		
● No ○ Yes - Enter DEP's emissions unit number and name	for the unit being replaced from the drop-down lis	st below.
	3 • • • • • • • • • • • • • • • • • • •	
		▼
b. DEP's Emission Unit Number and facility's emission ur	nit name	
0		
Equipment 🕜		
Equipment Type		
EPA Unit type code 🕜	BOILER	•
	0	
	BOILER	
If engine, is this an emergency generator? 了	C Yes C No	
		ing year for each category of
If engine, is this an emergency generator? 🔇		ing year for each category of

	Bureau of Air and		t of Environmental Proto	ection	2018 Year of Reco
	Fuel Burning	Devi	ce		3
	Emission Unit) —			DEP EU#
					1190564
Non Emergency U	se(hours)				
Maintenance and F	Readiness Testing(hours)				
CLEAVER BROOKS			CB800-150		
b. Manufacturer			c. Model number		
2.80			1		
d. Max Input Rating M	MBtu/hr (must be greater than	ו 0) 🕜	e. Number of burners (enter "0"	if not applicable))
f. Types of burner - ch	ock opo:	-			
. Types of burner - Ch		C rotary	otomizor		
		C steam			
		C air ator			
		C travelir			
		C hand fi			
		C Other			
		Specify "ot	her" burner type		
CL BROOKS			CB800-150-150		
g. Burner Manufacture	۶r		h. Burner Model number		
09/01/1986					
i.Burner Installation Da	ate (mm/dd/yyyy)				
	blank if not applicable: 🕜				
EP approvais - leave			09/11/1986		
BR-86-COM-027					
	number	ł	b. DEP approval date (mm/dd/yyy	1)	
BR-86-COM-027 Most recent approval			b. DEP approval date (mm/dd/yyy	<i>(</i>)	
BR-86-COM-027 Most recent approval	number er 310 CMR 7.02 Plan Approv		b. DEP approval date (mm/dd/yyy	<i>y</i>)	
BR-86-COM-027 Most recent approval this unit exempt unde	er 310 CMR 7.02 Plan Approv	vals?			
BR-86-COM-027 Most recent approval this unit exempt unde Yes No exempt from Plan Ap	er 310 CMR 7.02 Plan Approv	vals?	b. DEP approval date (mm/dd/yyyy		pecific DEP
BR-86-COM-027 Most recent approval this unit exempt unde	er 310 CMR 7.02 Plan Approv	vals?			Decific DEP
BR-86-COM-027 Most recent approval this unit exempt unde Yes No exempt from Plan Appulation):	er 310 CMR 7.02 Plan Approv	vals?			1
BR-86-COM-027 Most recent approval this unit exempt unde Yes No exempt from Plan Appulation):	er 310 CMR 7.02 Plan Approv proval, indicate the reason for ting Requirements:	vals? r the exemp	otion, from the drop-down list belo		1
BR-86-COM-027 Most recent approval this unit exempt under Yes No exempt from Plan Appulation): dditional State Report Are there other routin	er 310 CMR 7.02 Plan Approv proval, indicate the reason for ting Requirements: ne air quality reporting require	vals? r the exemp	otion, from the drop-down list belo		
BR-86-COM-027 Most recent approval this unit exempt unde Yes No exempt from Plan Appulation):	er 310 CMR 7.02 Plan Approv proval, indicate the reason for ting Requirements: ne air quality reporting require	vals? r the exemp	otion, from the drop-down list belo		1
BR-86-COM-027 Most recent approval this unit exempt under Yes No exempt from Plan Appulation): dditional State Report Are there other routin Yes - Specify reportin Reporting frequency -	er 310 CMR 7.02 Plan Approv proval, indicate the reason for ting Requirements: ne air quality reporting require ng frequency below - check all that apply:	vals? r the exemp ements for	this emissions unit?	ow. (e.g., cite a sp	
BR-86-COM-027 Most recent approval this unit exempt under Yes No exempt from Plan Appulation): dditional State Report Are there other routin	er 310 CMR 7.02 Plan Approv proval, indicate the reason for ting Requirements: ne air quality reporting require ng frequency below - check all that apply:	vals? r the exemp	this emissions unit?		
BR-86-COM-027 Most recent approval this unit exempt under Yes No exempt from Plan Appulation): dditional State Report Are there other routin Yes - Specify reportin Reporting frequency - Monthly	er 310 CMR 7.02 Plan Approv proval, indicate the reason for ting Requirements: ne air quality reporting require ng frequency below - check all that apply:	vals? r the exemp ements for	this emissions unit?	ow. (e.g., cite a sp	
BR-86-COM-027 Most recent approval this unit exempt under Yes No exempt from Plan Appulation): dditional State Report Are there other routin Yes - Specify reportin Reporting frequency - Monthly	er 310 CMR 7.02 Plan Approv proval, indicate the reason for ting Requirements: ne air quality reporting require ng frequency below - check all that apply: Quarterly	vals? r the exemp ements for	this emissions unit?	ow. (e.g., cite a sp	1
BR-86-COM-027 Most recent approval this unit exempt under Yes No exempt from Plan Appulation): dditional State Report Are there other routin Yes - Specify reportin Reporting frequency - Monthly nclude Operating Perm Is this unit subject to o	er 310 CMR 7.02 Plan Approv proval, indicate the reason for ting Requirements: ne air quality reporting require ng frequency below - check all that apply: Quarterly	vals? r the exemp ements for	this emissions unit?	ow. (e.g., cite a sp	

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		-		Invironme	ntal Protection	2018
	Bureau	of Air and	Waste			Year of Record
	Fuel I	Burning	Device			3
	Emission U	0				DEP EU#
						1190564
24		5		15		
. Number of hours pe	er day	c. Number of	days per week	d.	Number of weeks per year	
e. Percent of total ann	ual operation th	at occurs in each	n calendar quart	ter:		
57.0 33	3.0	0.0	10.0		um of Q1+Q2+Q3+Q4 must	
Q1 Q2	2	Q3	Q4	or	0 if the unit was not operate	ed for any quarter
Ozone season sche	dule - May 1 thr	ough September	30:			
0		0		0		
a. Ozone season hou	irs per day		ason days per w		Weeks operated in ozone	season
		_	5 1		-	-
Emission Release P		e. 🖤	-		ines click here for instruction	ons: 🐨
Non-Stack Release	Points:		P	hysical Stacks]
C fugitive				vertical stack		
C horizontal vent			L	C vertical with	rain cap/sleeve	
C engine exhaust						
C downward facing						
C vertical stack/ven	t less than 10ft					
Is there an air pollut	ion control devi	ce/s on this emis	-		Stack form before returning	o this form.
in a cllution contro						
Ir nalli itian aaatra	· · ·					
	ol device 🕜					
	ol device 🕄	Click the b	outton below to add	d a new control	device	
	ol device 🕜	_			device	
	ol device 🕜	_	outton below to add		device	
Is there monitoring			Add New cont	trol device		
Is there monitoring	equipment on t	his emissions un	Add New cont	trol device		
	equipment on t	his emissions un	Add New cont	trol device		
Is there monitoring	equipment on t ough I Monitor 1	his emissions un	Add New cont hit or its related of skip to section B Monitor 2	trol device	s: ? Monitor 3	
Is there monitoring	equipment on t ough I Monitor 1 Ĉ CEMs	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs	control devices	s: ? Monitor 3 CEMs	
Is there monitoring	equipment on t rough I Monitor 1 © CEMs © opacity	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs © opaci	trol device control devices 2 3 ity	s: ? Monitor 3 CEMs Opacity	
Is there monitoring	equipment on t ough I Monitor 1 Ĉ CEMs	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs	trol device control devices 2 3 ity	s: Monitor 3 CEMs	
Is there monitoring	equipment on t ough I Monitor 1 CEMs Opacity O other	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs © opaci © other	trol device control devices 2 s	s: Monitor 3 CEMs Opacity Other	
Is there monitoring	equipment on t rough I Monitor 1 © CEMs © opacity	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs © opaci	trol device control devices 2 s	s: ? Monitor 3 CEMs Opacity	
Is there monitoring	equipment on t ough I Monitor 1 CEMs Opacity O other	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs © opaci © other	trol device control devices 2 s	s: Monitor 3 CEMs Opacity Other	
Is there monitoring of Yes - answer a thr Yes - answer a thr a. Monitor type: ?	equipment on t ough I Monitor 1 CEMs Opacity O other	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs © opaci © other	trol device control devices 2 s	s: Monitor 3 CEMs Opacity Other	
Is there monitoring of Yes - answer a thrack the second	equipment on t ough I Monitor 1 CEMs Opacity O other	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs © opaci © other	trol device control devices 2 s	s: Monitor 3 CEMs Opacity Other	
Is there monitoring of Yes - answer a thr Yes - answer a thr a. Monitor type: ?	equipment on t ough I Monitor 1 CEMs Opacity O other	his emissions un	Add New cont nit or its related of skip to section B Monitor 2 © CEMs © opaci © other	trol device control devices 2 s	s: Monitor 3 CEMs Opacity Other	

		setts Departme f Air and Was		vironmenta	al Prote	ction		2018 Year of Record
	Fuel B Emission Un	urning De	vice					3 DEP EU# 1190564
e. Installation Date:								
	(mm/dd/yyyy)		(mm/dd/yyy	/y)	(n	nm/dd/yyyy	y)	
f. DEP Approval #:								
g. DEP Approval Date:	(mm/dd/yyyy)		(mm/dd/yyy	/y)	(n	nm/dd/yyyy	y)	
n. Decommission Date:	(mm/dd/yyyy)		(mm/dd/yyy	/у)	[(n	nm/dd/yyyy	y)	
. Recorder?	C yes	Ō no	C yes	© no	1	Ō yes	C no	
. Audible Alarm?	C yes	C no	C yes	© no	1	🗘 yes	C no	
. Data System? 🕜	C yes	C no	C yes	C no	1	🔿 yes	C no	
I. Monitored Pollutants - check all that apply: B. Fuels and Fuel Name / Characteris mber of fuels for this uni	tics:		PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other Describe	ER #1-CLEAVER E		PM 10 PM 2.5 SO2 CO VOC NO2 NH3 Mercury Oxygen CO2 H2S HCL Opacity Other escribe	RCENT SU	LFU
			Fuel	Name				
			1 DEP	Fuel #				
Add a NEW fuel: Check the	e box if you need	to add a fuel that you		ete this fuel: checl			-	
report on previously (eDEF (age).	9 will add a blank	Sect. B form to your		ently. You must s e fuel will be remo				-
Source Classification Co	ode (SCC): ()501 (call DEP if SC RNAL COMBUSTI			RIAL - DIST	FILLATE OIL -

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Massachusetts DepartmentBureau of Air and Waste	of Environmental Pro	tection	2018 Year of Record
Fuel Burning Devi	Ce		3
			DEP EU#
Emission Unit			1190564
	GRADES 1 AND 2 - BOILER		
	SCC Description - filled by e	DEP upon error chec	k.
p. Type of fuel	FUEL NO.2		
	Fuel Description - filled by e	DEP upon error chec	k.
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	•
lecommissioned prior to this year of record): 🕜	Amount	Units per hour 🕜	
. Do you have fuel or usage restrictions? 🕜	O yes O no - skip to que	estion 2	
g. DEP approval number for fuel restrictions: 🕐	MBR-95-RES-047		
	Most recent for this fuel		
n. Annual usage restriction (for this fuel):(amount or hours)	376680	GALLONS	•
	Quantity	Units	<u> </u>
Short term use restriction (for this fuel):(amount or hours)	31390	GALLONS	•
	Quantity	Units	<u> </u>
	Pe	month week day ho) ur
2. Total actual fuel used for year of record:	21.6400	1000 GALLONS	•1
(check your amount vs units and enter "0" if not used in the year	^{of} a. Amount - year of record	b. Units	
record)	8.3 1000 GALLONS		
	c. Total annual usage for pri-	or 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:	Filterable PM)	Filterable PM)	PM-CON	
Actual for previous	0.0042	0.0010		0.0813
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0108	0.0027		0.2120
record:	Tons	Tons	Tons	Tons
Potential emissions	0.0876	0.0219		1.7166
	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 (
Max allowed				

	Massachusetts Bureau of Air	Department of Envir and Waste	onmental Protection	2018 Year of Record
	Fuel Burn	ing Device		3
	Emission Unit	8		DEP EU#
				1190564
missions-annual:	Tons	Tons	Tons	Tons
lax allowed				
missions-short term:	Tons	Tons	Tons	Tons
hort term Period				
asis DEP Approval				
umber or regulation:				
Pollutant:	ГРВ	VOC	NH3	Γω
ctual for previous		0.0008		0.0208
ear:	Tons	Tons	Tons	Tons
ctual for year of		0.0022		0.0541
ecord:	Tons	Tons	Tons	Tons
otential emissions		0.0175		0.4380
	Tons	Tons	Tons	Tons
mission Factor		0.20		5
n pounds per unit		1000 GALLONS		1000 GALLONS
alculation Method	USEPA Emission Factor (💌	USEPA Emission Factor (USEPA Emission Factor (USEPA Emission Factor (
1ax allowed				
missions-annual:	Tons	Tons	Tons	Tons
lax allowed				
missions-short term:	Tons	Tons	Tons	Tons
hort term Period				
asis DEP Approval umber or regulation:				

Pollutant:	NO2	specify other pollutant
Actual for previous	0.0996	
year:	Tons	Tons
Actual for year of	0.2597	
record:	Tons	Tons
Potential emissions	2.1024	
0	Tons	Tons
Emission Factor	24	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Factor (USEPA Emission Factor (
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short	Tons	Tons
term:		
Short term Period		

	Massachusetts Department of Environmental Protection Bureau of Air and Waste		2018 Year of Record	
	Fuel Burning Device			
	Emission Unit		DEP EU#	
			1190564	
per or regulation:	ons - May 1 through September 30: ?	0		
	emissions pounds per day	b. Typical day NOx emissions - pounds per day		
a. Typical day VO	s ennissions - pounds per day	b. Typical day NOX emissions - pounds per day		

C. Notes and Attachments

1. Notes: please include any additional information that will help DEP understand your submission.

2. Attachments:

Check here to submit attachments to this form (e.g., calculations) -add a note in the field above indicating what is attached. This will create a new step on your Transaction Overview Page where you will attach electronic files to your submittal. For attachments that cannot be sent electronically, please list all such attachments above and deliver them to DEP with a paper copy of this form.

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AP1 Sec A - Transaction #1173429

Print		Exit
Massachusetts Department Bureau of Air and Waste Fuel Burning Devi Emission Unit		2018 Year of Record 50 DEP EU# 1190564 Facility AQ Identifier
A. Equipment Description		
1. Facility Identifiers: 🕜		
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. 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 🔇
	Complete only if the unit was shut dow since the last report.	n permanently or replaced
4. Emission Unit Replacement 🕐		
a. Is this unit, replacing another emission unit?		
● No ○ Yes - Enter DEP's emissions unit number and name f	or the unit being replaced from the drop-down list	below:
b. DEP's Emission Unit Number and facility's emission uni	it name	<u> </u>
5. Equipment 🕜		
a. Equipment Type		
EPA Unit type code 🕜	RECIPROCATING IC ENGINE	▼
6	ENGINE	
If engine, is this an emergency generator? 🝞	C Yes No	4
If an emergency generator, please give the number operation:	r of hours of operation during the reportir	g year for each category of
Emergency Use(hours)]

	Massachusetts Depa Bureau of Air and		it of Environmental P 2	rotection	2018 Year of Rec
	Fuel Burning	Dev	ice		50
		DU			DEP EU#
	Emission Unit				1190564
Non Emergency L	Jse(hours)				1
Maintenance and	Readiness Testing(hours)				
	readineed realing(nearb)				
CUMMINS			125-DGEA		
b. Manufacturer			c. Model number		
1.6880					
d. Max Input Rating M	MBtu/hr (must be greater than	0) 🕜	e. Number of burners (ente	er "0" if not applicat	ole)
f. Types of burner - ch	peck one:	-			
i. Types of burner - ci		C rotar	·		
			n atomizer n atomizer		
		C stear			
		C hand	ling grate		
		C Othe			
		Specify "	other" burner type		
g. Burner Manufactur	er		h. Burner Model number		
i.Burner Installation D	ate (mm/dd/yyyy)				
EP approvals - leave	blank if not applicable: 🝞				
			05/04/4000		
KEMPT Most recent approva	l number		05/04/1989 b. DEP approval date (mm/dd	16	
Yes C No	ler 310 CMR 7.02 Plan Approva		nption, from the drop-down list	t below. (e.g., cite a	specific DEP
ulation):	·				
elow thresholds in 310	CMR 7.02 (2)(b) 7 and 15				•
dditional State Repo	rting Requirements:				
_	ne air quality reporting requirer	ments fo			
Yes - Specify report	ing frequency below		C No - Skip to question 9c		
Reporting frequency	- check all that apply:	mi-annua	I Annual	RES	
	mit and Plan Approval reports,				
			(9)		
	(check all that apply):				
<u>R</u>					
Hours of operation fo	or the emission unit: 🕜		a. check if continuously operation	ated - 24 X 7 X 52	
			·		

		S Department of Envir	ronmental Protectio	n 2018
	Bureau of Air			Year of Record
	Fuel Bur	50		
	Emission Unit	-		DEP EU#
				1190564
1	1		12	
b. Number of hours pe	r day C. Nu	Imber of days per week	d. Number of weeks	per year
		rs in each calendar quarter:		04
8.0 42		42.0	Sum of Q1+Q2+Q3+ or 0 if the unit was n	ot operated for any quarter
Q1 Q2		Q4		or oporation for any quarter
. Ozone season scheo	dule - May 1 through Se	eptember 30:		
3	1		5	
a. Ozone season hou	rs per day b. C	zone season days per week	c. Weeks operated i	n ozone season
. Emission Release P	oint - select one: 🕜		Engines click here for	instructions: 🕜
Non-Stack Release	Points:	Physic	al Stacks:	
C fugitive			ertical stack	
C horizontal vent		C ve	rtical with rain cap/sleeve	
C engine exhaust				
C downward facing	vent			
C vertical stack/vent	t less than 10ft			
	ion control device/s on	xit this form now and complete this emissions unit? No - skip to question 15	e a new Stack form before n	eturning to this form.
ir pollution contro	l device 🕜			
		Click the button below to add a ne	ew control device	
		Add New control d	levice	
© Yes - answer a three		Sions unit or its related contro		
	-			•
	Monitor 1	Monitor 2 CEMs	Monitor C CEN	
a. Monitor type: 🕜	© CEMs	© CEMs	C CEN	
	© opacity	© opacity	⊖ opa © othe	•
	€ other			51
	Describe	Describe	Describ	ie.
				~~
b. Manufacturer:				
c. Model Number:				
d Manifer ID #				
d. Monitor ID #:		. –		
	Facility's Designat	ion Facility's Desi	gnation Facility	's Designation

		usetts Dep of Air and		of En	vironment	tal Pro	otection		2018 Year of Record
	Fual D	lunina	Dar	00					50
		Burning	Devi	ιτ					,
	Emission U	nit							DEP EU#
									1190564
. Installation Date:									
	(mm/dd/yyyy	()	(m	m/dd/yyy	y)		(mm/dd/yyy	y)	
DEP Approval #:									
. DEP Approval Date:									
	(mm/dd/yyyy	()	(m	m/dd/yyy	у)		(mm/dd/yyy	y)	
. Decommission Date:									
	(mm/dd/yyyy	()	(m	m/dd/yyy	y)		(mm/dd/yyy	y)	
Recorder?	C yes	C no	C	🕽 yes	© no		C yes	C no	
Audible Alarm?	C yes	C no	Ć	🕽 yes	© no		C yes	© no	
. Data System? 🝞	C yes	C no	Ċ) yes	C no		C yes	C no	
Monitored Pollutants -	PM 10		Γ	PM 10			PM 10		
heck all that apply:	PM 2.5			PM 2.5			PM 2.5		
	SO2		Г	SO2			□ SO2		
	Γœ			00			Γœ		
				VOC					
				NO2					
				NH3					
				Mercury					
	-			-			-		
	CO2			Oxygen CO2			CO2		
	H2S			H2S			H2S		
				HCL					
	C Opacity			Opacity			C Opacity		
	C Other		1	Other		_1	Other		1
	Decerite			scribe		. •	Describe		•
. Fuels and	Describe Emiss	sions	De	SCHDE			Describe		
uel Name / Characteris				GENE	RATOR #2-CUM	/MINS #N	T855G2- #2 OIL	_ 0.3 PER.S	;
ber of fuels for this uni	t (previous re	cords):							
				Fuel N	Name				
				1]
				DEP F	Fuel #				
	box if you nee	d to add a fuel t	hat you did	Dele	te this fuel: che	ck box if	you stopped u	sing this fu	el in this unit
dd a NEW fuel: Check the				permane	ently. You must	still repor	rt for this year	of record e	ven if amount is
eport on previously (eDEP	•	k Sect. B form t	o your	· · · · · · · · · · · · · · · · · · ·					
	•	ik Sect. B form t		-	e fuel will be rem		m the unit in th	ne next rep	ort cycle. 🕜
eport on previously (eDEP	•	k Sect. B form t		-			m the unit in th	ne next rep	ort cycle.
eport on previously (eDEP age). ber of Additional Fuels :	will add a blan			"0" – the	e fuel will be rem		m the unit in th	ne next rep	ort cycle.
eport on previously (eDEP age).	will add a blan			"0" – the	e fuel will be rem	noved fro		ne next rep	ort cycle.

Massachusetts DepartmentBureau of Air and Waste	Massachusetts Department of Environmental Protection <i>Bureau of Air and Waste</i>			
Fuel Burning Devi	Fuel Burning Device			
Emission Unit				
		DEP EU# 1190564		
	(DIESEL) - RECIPROCATING			
	SCC Description - filled by eDEP upon error che	ck.		
b. Type of fuel	DIESEL			
	Fuel Description - filled by eDEP upon error che	ck.		
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			
n. Annual usage restriction (for this fuel):(amount or hours)	300 EACH-YEAR	•		
	Quantity Units			
. Short term use restriction (for this fuel):(amount or hours)	24 DAY	•		
	Quantity Units			
	Per C C C month week day h	C pur		
2. Total actual fuel used for year of record:	.14 1000 GALLONS	•		
(check your amount vs units and enter "0" if not used in the year	ir of a. Amount - year of record b. Units			
record)	.18 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:	FIL(Report-ONLY	FIL(Report-ONLY	PM-CON	<u>S02</u>
Actual for previous	0.0038	0.0038		0.0036
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0030	0.0030		0.0028
record:	Tons	Tons	Tons	Tons
Potential emissions	2.2338	2.2338		2.0866
	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 (
Max allowed				

	Massachusetts Bureau of Air	Department of Envir and Waste	onmental Protection	2018
				Year of Record
	Fuel Burn	ing Device		50
	Emission Unit			DEP EU#
				1190564
missions-annual:	Tons	Tons	Tons	Tons
lax allowed				
missions-short term:	Tons	Tons	Tons	Tons
hort term Period	_			
asis DEP Approval				
umber or regulation:				
Pollutant:	ГВ	□ VOC	NH3	Γω
ctual for previous		0.0044		0.0117
ear:	Tons	Tons	Tons	Tons
ctual for year of		0.0035		0.0091
ecord:	Tons	Tons	Tons	Tons
otential emissions		2.5912		6.8328
	Tons	Tons	Tons	Tons
mission Factor		49.30		130
n pounds per unit		1000 GALLONS		1000 GALLONS
alculation Method	USEPA Emission Factor (USEPA Emission Factor (USEPA Emission Factor (💌	USEPA Emission Factor (
lax allowed				
missions-annual:	Tons	Tons	Tons	Tons
lax allowed				
missions-short term:	Tons	Tons	Tons	Tons
hort term Period				
asis DEP Approval				
umber or regulation:				
Pollutant:	NO2	specify other pollu	utant	

Pollutant:	I NO2	specify other pollutant
Actual for previous	0.0544	
year:	Tons	Tons
Actual for year of	0.0423	
record:	Tons	Tons
Potential emissions	31.7462	
0	Tons	Tons
Emission Factor	604	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Factor (USEPA Emission Factor (
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short term:	Tons	Tons
Short term Period		

	Massachusetts Department of Environmental Protection <i>Bureau of Air and Waste</i>		2018 Year of Record	
	Fuel Burning Devi	ce	50	
	Emission Unit		DEP EU#	
			1190564	
mber or regulation:	ns - May 1 through September 30: 🕐			
Ozone season emission				
0.5001		6.0438		
0.5001	emissions - pounds per day	6.0438 b. Typical day NOx emissions - pounds per day		

C. Notes and Attachments

1. Notes: please include any additional information that will help DEP understand your submission.

2. Attachments:

Check here to submit attachments to this form (e.g., calculations) -add a note in the field above indicating what is attached. This will create a new step on your Transaction Overview Page where you will attach electronic files to your submittal. For attachments that cannot be sent electronically, please list all such attachments above and deliver them to DEP with a paper copy of this form.

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AP1 Sec A - Transaction #1173429

Print		Exit		
Massachusetts Department o	f Environmental Protection	n		
Bureau of Air and Waste		Year of Record		
Fuel Burning Devic	е	55		
Emission Unit	-	DEP EU#		
		1190564		
		Facility AQ Identifier		
A. Equipment Description				
1. Faciltity Identifiers: 🕜				
CLEAN HARBORS OF BRAINTREE INC				
a. Facility Name				
34839	190564			
	Facility AQ Identifier			
_				
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 ODIS ID #_ for large electrical utilities only		af in dividual units 🕗		
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/yyy	y) - if applicable 🕜		
	Complete only if the unit was shut or since the last report.			
4. Emission Unit Replacement 🕜				
a. Is this unit, replacing another emission unit?				
• No C Yes - Enter DEP's emissions unit number and name for t	he unit being replaced from the drop-down	list below:		
		•		
b. DEP's Emission Unit Number and facility's emission unit n	ame			
5. Equipment 🕜				
a. Equipment Type				
EPA Unit type code 🕄	RECIPROCATING IC ENGINE	•		
0				
U	ENGINE			
If engine, is this an emergency generator? 🕜	C Yes No			
If an emergency generator, please give the number of operation:	hours of operation during the repo	rting year for each category of		
Emergency Use(hours)				
	Bureau of Air and		t of Environmental Prote	2018 Year of Ro
---	--	-------------	-------------------------------------	-------------------------------
	Fuel Burning	Devi	ice	55
	Emission Unit			DEP EU#
				1190564
Non Emergency U	se(hours)			
Maintenance and i	Readiness Testing(hours)			
CATERPILLAR			3412DIT	
b. Manufacturer			c. Model number	
5.3480			1	
	MBtu/hr (must be greater than	ו 0) 🕜	e. Number of burners (enter "0"	if not applicable)
f. Types of burner - ch	eck one:	<u> </u>]
		C rotary	atomizer	
		C steam		
		C air ato		
		C traveli		
		C hand f		
		C Other		
		Specify "or	ther" burner type	
CATERPILLR			N/A	
g. Burner Manufacture	er		h. Burner Model number	
06/01/1989				
i.Burner Installation D	ate (mm/dd/yyyy)			
EP approvals - leave	blank if not applicable: 🕜			
BR-89-COM-31			05/04/1989	
Most recent approva	Inumber		b. DEP approval date (mm/dd/yyyy)
this unit exempt und	er 310 CMR 7.02 Plan Approv	vals?		
🗘 Yes 🕞 No				
exempt from Plan Ac	proval, indicate the reason for	r the exem	ption, from the drop-down list belo	w. (e.g., cite a specific DEP
	· ·			
ulation):				•
Ilation):				
ulation): dditional State Repor	ting Requirements:			
dditional State Repor		ements for	this emissions unit?	
dditional State Repor	ne air quality reporting require	ements for	this emissions unit?	
dditional State Repor Are there other routin Yes - Specify reporti	ne air quality reporting require	ements for		
dditional State Repor Are there other routin Yes - Specify reporti Reporting frequency	ne air quality reporting require ng frequency below - check all that apply:		C No - Skip to question 9c	▼ RES
dditional State Repor Are there other routin Yes - Specify reporti Reporting frequency Monthly	ne air quality reporting require ng frequency below - check all that apply:	emi-annual	No - Skip to question 9c	RES
dditional State Repor Are there other routin Yes - Specify reporti Reporting frequency Monthly	ne air quality reporting require ng frequency below - check all that apply: Quarterly nit and Plan Approval reports.	emi-annual	No - Skip to question 9c	RES
dditional State Repor Are there other routin Yes - Specify reporti Reporting frequency Monthly Include Operating Perr Is this unit subject to	ne air quality reporting require ng frequency below - check all that apply:	emi-annual	No - Skip to question 9c	RES

		-		vironmental P	rotection	2018
		of Air and				Year of Record
	Fuel E	Burning	55			
	Emission U	0	•			DEP EU#
						1190564
1		1		11		
b. Number of hours pe	er day	c. Number o	of days per week	d. Number	of weeks per year	
e. Percent of total annu	ual operation that	at occurs in ea	ch calendar quarte	er:		
17.0 25	5.0	33.0	25.0		1+Q2+Q3+Q4 must	
Q1 Q2	2	Q3	Q4	or 0 if the	unit was not operat	ed for any quarter
. Ozone season sched	dule - May 1 thro	ough Septembe	er 30:			
3		1		6		
a. Ozone season hou	rs per dav	I I	eason days per we		operated in ozone	season
		-				-
. Emission Release P	oint - select one	e: 💶		Engines clic	k here for instruction	ons: 🔍
Non-Stack Release	Points:		Ph	ysical Stacks:		
C fugitive			0	vertical stack		
C horizontal vent			(vertical with rain cap	sleeve	
C engine exhaust						
C downward facing						
C vertical stack/vent	t less than 10ft					
. Link this unit to a phy	ysical stack (if a	applicable) - pi	ck from the list belo	ow:		
						_1
1 STACK GENERATOR (2 cility's stack identifier			ata ali nama waa thi	STACK form		
he stack for this unit is		-			m before returning	to this form.
he stack for this unit is	s not listed, save	e and exit this f	form now and com		m before returning	to this form.
he stack for this unit is	s not listed, save	e and exit this f	form now and com		m before returning	to this form.
ne stack for this unit is	s not listed, save	e and exit this f	form now and com		m before returning	to this form.
he stack for this unit is . Is there an air polluti C Yes - answer a thro	s not listed, save ion control devic	e and exit this f	form now and com		m before returning	to this form.
he stack for this unit is . Is there an air polluti C Yes - answer a thro	s not listed, save ion control devic	e and exit this f ce/s on this em	form now and compositions unit?	plete a new Stack for	m before returning	to this form.
he stack for this unit is . Is there an air polluti C Yes - answer a thro	s not listed, save ion control devic	e and exit this f ce/s on this em	form now and compositions unit?		m before returning	to this form.
he stack for this unit is	s not listed, save ion control devic	e and exit this f ce/s on this em	form now and compositions unit?	plete a new Stack for	m before returning	to this form.
he stack for this unit is . Is there an air polluti C Yes - answer a thro	s not listed, save ion control devic	e and exit this f ce/s on this em	form now and compositions unit? skip to question 15	plete a new Stack for	m before returning	to this form.
he stack for this unit is . Is there an air polluti C Yes - answer a thro	s not listed, save	e and exit this f ce/s on this em	form now and composite nissions unit? skip to question 15 button below to add Add New contr	plete a new Stack for a new control device ol device	m before returning	to this form.
he stack for this unit is Is there an air polluti Yes - answer a thro ir pollution contro	s not listed, save ion control device ough i ol device ?	e and exit this f ce/s on this em	form now and comp nissions unit? skip to question 15 button below to add Add New contr unit or its related co	plete a new Stack for a new control device ol device	m before returning	to this form.
he stack for this unit is . Is there an air polluti C Yes - answer a thro ir pollution contro	s not listed, save ion control devic ough i ol device (?) equipment on the ough I	e and exit this f ce/s on this em	form now and comp nissions unit? skip to question 15 button below to add Add New contr unit or its related co - skip to section B	plete a new Stack for a new control device ol device		to this form.
he stack for this unit is Is there an air polluti Yes - answer a thro ir pollution contro	s not listed, save ion control device ough i ol device equipment on the ough I Monitor 1	e and exit this f ce/s on this em	form now and compliants of the second	plete a new Stack for a new control device ol device	Monitor 3	to this form.
he stack for this unit is Is there an air polluti Yes - answer a thread ir pollution contro	s not listed, save ion control devid ough i ol device equipment on the ough I Monitor 1 CEMs	e and exit this f ce/s on this em	form now and comp nissions unit? skip to question 15 button below to add Add New contr unit or its related or - skip to section B Monitor 2 CEMs	a new control device ol device ontrol devices: ?	Monitor 3 C CEMs	to this form.
he stack for this unit is . Is there an air polluti Tes - answer a three ir pollution control . Is there monitoring e	s not listed, save ion control device ough i ol device equipment on the ough I Monitor 1 © CEMs © opacity	e and exit this f ce/s on this em	form now and compliants of the second	a new control device ol device ontrol devices: ?	Monitor 3 © CEMs © opacity	to this form.
he stack for this unit is . Is there an air polluti Tes - answer a three ir pollution control . Is there monitoring e	s not listed, save ion control devid ough i ol device equipment on the ough I Monitor 1 CEMs	e and exit this f ce/s on this em	form now and comp nissions unit? skip to question 15 button below to add Add New contr unit or its related or - skip to section B Monitor 2 CEMs	a new control device ol device ontrol devices: ?	Monitor 3 C CEMs	to this form.
he stack for this unit is . Is there an air polluti Tes - answer a three ir pollution control . Is there monitoring e	s not listed, save ion control device ough i ol device equipment on the ough I Monitor 1 © CEMs © opacity © other	e and exit this f ce/s on this em	form now and complete hissions unit? skip to question 15 button below to add Add New contr unit or its related co - skip to section B Monitor 2 CEMs Opacity Cother	a new control device ol device ontrol devices: ?	Monitor 3 CEMs opacity other	to this form.
he stack for this unit is . Is there an air polluti Tes - answer a three ir pollution control . Is there monitoring e	s not listed, save ion control device ough i ol device equipment on the ough I Monitor 1 © CEMs © opacity	e and exit this f ce/s on this em	form now and compliants of the second	a new control device ol device ontrol devices: ?	Monitor 3 © CEMs © opacity	to this form.
he stack for this unit is . Is there an air polluti Tes - answer a three ir pollution control . Is there monitoring e	s not listed, save ion control device ough i ol device equipment on the ough I Monitor 1 © CEMs © opacity © other	e and exit this f ce/s on this em	form now and complete hissions unit? skip to question 15 button below to add Add New contr unit or its related co - skip to section B Monitor 2 CEMs Opacity Cother	a new control device ol device ontrol devices: ?	Monitor 3 CEMs opacity other	to this form.
 he stack for this unit is Is there an air pollution of Yes - answer a thread in pollution control Is there monitoring a Yes - answer a thread of Yes - answer a	s not listed, save ion control device ough i ol device equipment on the ough I Monitor 1 © CEMs © opacity © other	e and exit this f ce/s on this em	form now and complete hissions unit? skip to question 15 button below to add Add New contr unit or its related co - skip to section B Monitor 2 CEMs Opacity Cother	a new control device ol device ontrol devices: ?	Monitor 3 CEMs opacity other	to this form.
he stack for this unit is Is there an air pollution Yes - answer a three ir pollution controc Is there monitoring e Yes - answer a three a. Monitor type: 3	s not listed, save ion control device ough i ol device equipment on the ough I Monitor 1 © CEMs © opacity © other	e and exit this f ce/s on this em	form now and complete hissions unit? skip to question 15 button below to add Add New contr unit or its related co - skip to section B Monitor 2 CEMs Opacity Cother	a new control device ol device ontrol devices: ?	Monitor 3 CEMs opacity other	to this form.
 he stack for this unit is Is there an air pollution of Yes - answer a thread in pollution control Is there monitoring a Yes - answer a thread of Yes - answer a	s not listed, save ion control device ough i ol device equipment on the ough I Monitor 1 © CEMs © opacity © other	e and exit this f ce/s on this em	form now and complete hissions unit? skip to question 15 button below to add Add New contr unit or its related co - skip to section B Monitor 2 CEMs Opacity Cother	a new control device ol device ontrol devices: ?	Monitor 3 CEMs opacity other	to this form.

		usetts Depa of Air and		of Env	vironmenta	l Protection	2018 Year of Record		
	F 1 D	· 	D!						
	Fuel B	urning	Devie	ce			55		
	Emission U	nit					DEP EU#		
							1190564		
e. Installation Date:									
	(mm/dd/yyyy	')	(mr	ım/dd/yyyy)		(mm/dd/yyyy)			
f. DEP Approval #:									
g. DEP Approval Date:									
	, (mm/dd/yyyy	')	(mr	m/dd/yyy	y)	(mm/dd/yyyy)			
h. Decommission Date:									
	(mm/dd/yyyy)		(mr	(mm/dd/yyyy)		(mm/dd/yyyy)	(mm/dd/yyyy)		
i. Recorder?	C yes	C no	C	່ yes	C no	© yes	C no		
j. Audible Alarm?	© yes	© no	C	yes	© no	© yes	C no		
k. Data System? 🕜	C yes	C no	C	ັ yes	🔿 no	C yes	C no		
I. Monitored Pollutants -	PM 10		Γı	PM 10		PM 10			
check all that apply:	PM 2.5		E F	PM 2.5		PM 2.5			
	SO2			SO2		☐ SO2			
	$\Box \infty$			20		Γco			
	□ voc			□ voc		□ voc			
	NO2			NO2		NO2			
	NH3			NH3		□ NH3			
	Mercury			Mercury		Mercury			
	Oxygen			Oxygen		Oxygen			
				CO2					
	T H2S					T H2S			
	T HCL			HCL		T HCL			
	C Opacity			Opacity		C Opacity			
	C Other		•	Other		Other	• 1		
	Describe			scribe		Describe			
B. Fuels and	Emiss	sions							
Fuel Name / Characteris	tics:			GENE	RATOR #1-CATE	RPILLAR 558.5 KW #2	OIL-0.3 S		
mber of fuels for this uni	t (previous re	cords):							
;				Fuel N	lame				
				1					
				DEP F	uel #				
Add a NEW fuel: Check the	e box if you nee	d to add a fuel th	nat you did	Delet	te this fuel: check	< box if you stopped usir	g this fuel in this unit		
report on previously (eDEP	' will add a blan	k Sect. B form to	your	-			record even if amount is		
ckage).				"0" – the	fuel will be remo	oved from the unit in the	next report cycle. 🔇		
mber of Additional Fuels :									
Source Classification Co	de (SCC): 🔮			20200					
				SCC (call DEP if SC	C will not validate)			
						N ENGINES - INDUSTRIA			

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Massachusetts DepartmentBureau of Air and Waste	of Environmental Protection	2018 Year of Record
Fuel Burning Devi	ce	55
Emission Unit		DEP EU#
		1190564
Ι	(DIESEL) - RECIPROCATING	
	SCC Description - filled by eDEP upon error check	k.
b. Type of fuel	DIESEL	
	Fuel Description - filled by eDEP upon error check	κ.
c. Sulfur content for oils and coal (0-2.2%):	.0401	
	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	0.0380 1000 GALLONS	•
decommissioned prior to this year of record): 📀	Amount Units per hour ?	
f. Do you have fuel or usage restrictions? 🝞	• yes C no - skip to question 2	
g. DEP approval number for fuel restrictions: ?	MBR-89-COM-31	
	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 C C Month week day hou) Jr
2. Total actual fuel used for year of record:	0.4560 1000 GALLONS	-
(check your amount vs units and enter "0" if not used in the year	ofa. Amount - year of record b. Units	
record)	.114 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	
Actual for previous	0.0024	0.0024		0.0023
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0097	0.0097		0.0091
record:	Tons	Tons	Tons	Tons
Potential emissions	7.0737	7.0737		6.6077
	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				

	Massachusett Bureau of A			onmental Protection		2018 Year of Record
	Fuel Bur	ning	g Device			55
	Emission Unit		C			DEP EU#
						1190564
emissions-annual:	Tons	Tor	าร	Tons	Tons	
Max allowed						
emissions-short term:	Tons	Tor	าร	Tons	Tons	
Short term Period			•			_
Basis DEP Approval					İ	
number or regulation:						
Pollutant:	ПВ		VOC	NH3		
Actual for previous		0.0	0028		0.0074	
ear:	Tons	Tons	s	Tons	Tons	
Actual for year of		0.0	0112		0.0296	
ecord:	Tons	Tons	s	Tons	Tons	
Potential emissions		8.2	2055		21.6372	
	Tons	Tons	s	Tons	Tons	
Emission Factor		49	.30		130	
n pounds per unit	ŀ	- 10	00 GALLONS		1000 GALL	ONS 👤
Calculation Method	USEPA Emission Factor (-] US	SEPA Emission Factor (💌	USEPA Emission Factor (USEPA En	nission Factor (💌
lax allowed						
missions-annual:	Tons	Tons	s	Tons	Tons	
/lax allowed						
missions-short term:	Tons	Tons	s	Tons	Tons	
hort term Period						•
Basis DEP Approval						
umber or regulation:						
Pollutant:	NO2		specify other poll	utant	•	

Pollutant:	I NO2	specify other pollutant
Actual for previous	0.0344	
year:	Tons	Tons
Actual for year of	0.1377	
record:	Tons	Tons
Potential emissions	100.5298	
•	Tons	Tons
Emission Factor	604	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Factor (USEPA Emission Factor (
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short	Tons	Tons
term:		
Short term Period		

	Massachusetts Department Bureau of Air and Waste	of Environmental Protection	2018 Year of Record	
	Fuel Burning Devic	ce	55	
	Emission Unit		DEP EU#	
			1190564	
mber or regulation:	ons - May 1 through September 30: 3	I		
Ozone season emissi				
Uzone season emissi 1.8480		22.7205		
1.8480	C emissions - pounds per day	22.7205 b. Typical day NOx emissions - pounds per da	iy	

C. Notes and Attachments

1. Notes: please include any additional information that will help DEP understand your submission.

2. Attachments:

Check here to submit attachments to this form (e.g., calculations) -add a note in the field above indicating what is attached. This will create a new step on your Transaction Overview Page where you will attach electronic files to your submittal. For attachments that cannot be sent electronically, please list all such attachments above and deliver them to DEP with a paper copy of this form.

∏►

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DEP
 MassDEP's Online Filing System

AP1 Sec A - Transaction #1173429

Print		Exit
Massachusetts Department Bureau of Air and Waste Fuel Burning Devi Emission Unit		2018 Year of Record 64 DEP EU# 1190564 Facility AQ Identifier
A. Equipment Description		
1. Faciltity Identifiers: 🕜		
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 dow since the last report.	vn permanently or replaced
4. Emission Unit Replacement 🕜		
a. Is this unit, replacing another emission unit?		
• No O Yes - Enter DEP's emissions unit number and name for	or the unit being replaced from the drop-down list	below:
b. DEP's Emission Unit Number and facility's emission uni	tname	.
5. Equipment 🕜		
a. Equipment Type		
EPA Unit type code 🕜	FURNACE	.▼
0	FURNACE	
If engine, is this an emergency generator? 🔇	C Yes C No	
If an emergency generator, please give the number operation:	r of hours of operation during the reportir	ng year for each category of
Emergency Use(hours)		

Fuel Burning Device Emission Unit Non Emergency Use(hours) Maintenance and Readiness Testing(hours) ENNOX SR20Q5-140 Manufacturer c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) e. Number of Types of burner - check one: rotary © rotary i atomizer © air atomizer air atomizer © air atomizer hand fired	64 DEP EU# 119056
Emission Unit Non Emergency Use(hours) Maintenance and Readiness Testing(hours) ENNOX SR20Q5-140 Manufacturer c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) ENNOR e. Number of Types of burner - check one: Types of	119056
Non Emergency Use(hours) Maintenance and Readiness Testing(hours) ENNOX SR20Q5-140 Manufacturer c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) ENNOX ENNOX c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) ENNOY E. Number of Contary Co	ıber
Maintenance and Readiness Testing(hours) ENNOX SR20Q5-140 Manufacturer c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) e. Number of Types of burner - check one: rotary © rotary emech. atomizer © air atomizer air atomizer © traveling grate it aveling grate	
Maintenance and Readiness Testing(hours) ENNOX SR20Q5-140 Manufacturer c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) e. Number of Types of burner - check one: rotary © rotary emech. atomizer © air atomizer air atomizer © traveling grate it aveling grate	
ENNOX SR20Q5-140 Manufacturer c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) ? e. Number of Types of burner - check one: ? rotary rotary rech. atomizer steam atomizer air atomizer traveling grate	
Manufacturer c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) e. Number of Types of burner - check one: rotary Image: Steam atomizer steam atomizer Image: Steam atomizer air atomizer Image: Steam atomizer traveling grate	
Manufacturer c. Model num 3070 1 Max Input Rating MMBtu/hr (must be greater than 0) e. Number of Types of burner - check one: rotary Image: Steam atomizer steam atomizer Image: Steam atomizer air atomizer Image: Steam atomizer traveling grate	
Max Input Rating MMBtu/hr (must be greater than 0) e. Number of Types of burner - check one: rotary mech. atomizer steam atomizer rate rate	burners (enter "0" if not applicable)
Max Input Rating MMBtu/hr (must be greater than 0) e. Number of Types of burner - check one: rotary mech. atomizer steam atomizer rate rate	burners (enter "0" if not applicable)
Types of burner - check one:	
for the second sec	
 Steam atomizer air atomizer traveling grate 	
C air atomizer C traveling grate	
C traveling grate	
C hand fired	
C Other	
Specify "other" burner type	3
ECKETT AFG	del sousch es
Burner Manufacturer h. Burner Mod	
6/01/1995	
Burner Installation Date (mm/dd/yyyy)	
P approvals - leave blank if not applicable: 📀	
lost recent approval number b. DEP approva	al date (mm/dd/yyyy)
his unit exempt under 310 CMR 7.02 Plan Approvals?	
Yes C No	
xempt from Plan Approval, indicate the reason for the exemption, from the dation):	drop-down list below. (e.g., cite a specific DEP
ow thresholds in 310 CMR 7.02 (2)(b) 7 and 15	▼1
ditional State Reporting Requirements:	
re there other routine air quality reporting requirements for this emissions	
Yes - Specify reporting frequency below O No - Skip to O	question 9c
eporting frequency - check all that apply:	
Annthly Quarterly Semi-annual 🔽 Ann	nual 🔽 RES
lude Operating Permit and Plan Approval reports, but not exceedance repo	urting)
this unit subject to (check all that apply):	
ours of operation for the emission unit: 🕜 🛛 🗌 a. check if con	ntinuously operated - 24 X 7 X 52

	Massachusetts De Bureau of Air an	-	onmental Protection	2018
				Year of Record
	Fuel Burnin	g Device		64
	Emission Unit			DEP EU#
				1190564
0				-
b. Number of hours pe	-	of days per week	d. Number of weeks per yea	ſ
	ual operation that occurs in e			
0.0 0.		0.0	Sum of Q1+Q2+Q3+Q4 mu or 0 if the unit was not opera	
Q1 Q2	2 Q3	Q4	or on the unit was not opera	aled for any quarter
. Ozone season scheo	dule - May 1 through Septem	ber 30:		
0	0		0	
a. Ozone season hou		season days per week	c. Weeks operated in ozone	e season
2. Emission Release P	-	5 1	Engines click here for instruct	-
Non-Stack Release		Physical	I Stacks:	
C fugitive			ical stack	
C horizontal vent			ical with rain cap/sleeve	
C engine exhaust				
C downward facing	vent			
© vertical stack/ven				
<u>I</u>				
3. Link this unit to a phy	ysical stack (if applicable) -	pick from the list below:		
1 STACK-2 FURNACES -	LENNOX			•
	from STACK form - to chang			
the stack for this unit is	s not listed, save and exit this	s form now and complete a	a new Stack form before returning	g to this form.
. Is there an air pollut	on control device/s on this e	emissions unit? 🕜		
C Vac anower a thr	auch i	akin to guardian 15		
C Yes - answer a three	Sugn I 🕕 🔍 NO	- skip to question 15		
ir pollution contro	l device 🕜			
	Click t	ne button below to add a new	v control device	
	Chek li			
		Add New control de	vice	
	-			
5. Is there monitoring e	equipment on this emissions	s unit or its related control	devices: 🕜	
C Yes - answer a thr	ouah I 🙃 N	lo - skip to section B		
	Monitor 1	Monitor 2	Monitor 3	
a. Monitor type: 🕜	C CEMs	C CEMs	C CEMs	
	C opacity	C opacity	C opacity	
	C other	C other	C other	
	Describe	Describe	Describe	
b. Manufacturer:				
	I	1	ļ	
c. Model Number:				
d Monitor ID #				
d. Monitor ID #:				
	Facility's Designation	Facility's Desig	nation Facility's Desig	gnation

		usetts Dep of Air ana		of Env	vironmenta	l Protection	2018		
		•					Year of Record		
	Fuel B	Burning	g Devie	ce			64		
	Emission U	nit					DEP EU#		
							1190564		
e. Installation Date:									
	(mm/dd/yyyy	()	(mr	(mm/dd/yyyy)		(mm/dd/yyy	y)		
f. DEP Approval #:									
g. DEP Approval Date:									
	(mm/dd/yyyy	()	(mr	m/dd/yyyy	y)	(mm/dd/yyy	y)		
n. Decommission Date:									
Descarder0	(mm/dd/yyyy			m/dd/yyyy		(mm/dd/yyy			
. Recorder?	🗘 yes	C no	C	🕽 yes	🔿 no	© yes	i no		
j. Audible Alarm?	🗘 yes	C no	C) yes	C no	C yes	© no		
k. Data System? 🕜	C yes	C no	C	🕽 yes	C no	C yes	C no		
I. Monitored Pollutants -	PM 10			PM 10		PM 10			
check all that apply:	PM 2.5			PM 2.5		PM 2.5			
	SO2			☐ SO2		SO2			
	$\Box \infty$			$\Box \infty$		$\Box \infty$			
	VOC					Voc			
				NO2		NO2			
				☐ NH3 ☐ Mercury		∏ NH3			
						Mercury			
	C Oxygen			Oxygen		C Oxygen			
	CO2			CO2					
	TH2S			H2S		T H2S			
	T HCL			HCL		T HCL			
	C Opacity			Opacity		C Opacity			
	Other		1	Other		Other			
	Describe			scribe		Describe	•		
8. Fuels and		sions	Det	JUIDE		Describe			
Fuel Name / Characteris		eorde\;		FURN/	ACES #1(2)-LENN	IOX SR 20Q5 #2 OIL-	-0.3 SULPHUR		
mber of fuels for this uni	r (hievious te	corus).							
]				Fuel N	lame				
				1					
				DEP F					
Add a NEW fuel: Check the report on previously (eDEP	•			-			sing this fuel in this unit of record even if amount is		
kage).	will add a blan		o your	-			he next report cycle.		
nber of Additional Fuels :				<u> </u>					
				10500	105				
Source Classification Co	de (SCC): 👽								
Source Classification Co	de (SCC): 😈	, 				C will not validate)			

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Bureau of Air and Waste		2018
		Year of Record
Fuel Burning Devi	ce	64
Emission Unit		DEP EU#
		1190564
I	DISTILLATE OIL	
	SCC Description - filled by eDEP upon error ch	neck.
. Type of fuel	FUEL NO.2	
	Fuel Description - filled by eDEP upon error ch	neck.
Sulfur content for oils and coal (0-2.2%):	.138	
	Percent by weight	
Ash content for oils and coal(0- 10.0%):	0	
	Percent by weight	
. Maximum hourly fuel rate for all firing burners:(enter "0"if unit	0.0022 1000 GALLONS	•
ecommissioned prior to this year of record): 🔇	Amount Units per hour	?
Do you have fuel or usage restrictions? 🕜	(yes C no - skip to question 2	
. DEP approval number for fuel restrictions: 🝞	EXEMPT	
	Most recent for this fuel	
Annual usage restriction (for this fuel):(amount or hours)	19.2720 1000 GALLONS	3 💌
	Quantity Units	
Short term use restriction (for this fuel):(amount or hours)	0.0022 1000 GALLONS	•
	Quantity Units	
	Per C C C month week day	© hour
2. Total actual fuel used for year of record:	0 1000 GALLONS	•
check your amount vs units and enter "0" if not used in the year record)	^{of} a. Amount - year of record b. Units	,
	0 1000 GALLONS	
3. Total emissions for this fuel only in tons per year: ()	c. Total annual usage for prior year of record	

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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:	FIL(Report-ONLY	Filterable PM)	PM-CON	<u>S02</u>
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
	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 (
Max allowed				

	Massachusetts Bureau of Air	Department of Envir and Waste	onmental Protection	2018 Year of Record
	Fuel Burn	ing Device		64 DEP EU# 1190564
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:	Гв	└ voc	NH3	
Actual for previous year:	Tons	0 Tons	Tons	0 Tons
Actual for year of	Tons	0 Tons	Tons	0 Tons
Potential emissions	Tons	0.0073 Tons	Tons	0.0482 Tons
Emission Factor		0.76		5
n pounds per unit		1000 GALLONS		1000 GALLONS
Calculation Method	USEPA Emission Factor (USEPA Emission Factor (USEPA Emission Factor (USEPA Emission Factor (
Max allowed	Tons	Tons	Tons	Tons
Max allowed emissions-short term:	Tons	Tons	Tons	Tons
Short term Period				
Basis DEP Approval number or regulation:				
Pollutant:		specify other pollu	utant	

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Pollutant:	I NO2	specify other pollutant
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	
Calculation Method	USEPA Emission Factor (USEPA Emission Factor (
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short	Tons	Tons
term:		
Short term Period		

	-	ent of Environmental Protection	2018
	Bureau of Air and Was	te	Year of Record
	Fuel Burning De	vice	64
	Emission Unit		DEP EU#
			1190564
EP Approval			
or regulation:	I		
ne season emis	ions - May 1 through September 30:	3	
)		0	
a. Typical day VC	C emissions - pounds per day	b. Typical day NOx emissions - pounds per	day
Check to ent	er your own values	Check to enter your own values	
NOTE: The form	vill estimate the ozone season emission	ons for you. However, you may enter your own valu	ies by checking the
oxes above.			
Notes a	nd Attachments		
		help DEP understand your submission.	
UNIT WAS NOT US	ED IN CALENDAR YEAR 2018		
achments:			