

Massachusetts Department of Environmental Protection

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Username: MICHAELC68

Transaction ID: 1374433

Document: AQ Source Registration Package (SR)

Size of File: 4931.22K

Status of Transaction: Submitted

Date and Time Created: 3/29/2023:2:49:17 PM

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2021	
YEAR OF RECO	RD
1190564	
FACILTY AQ Ider	ntifier

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 : □ Check if you added emission units or stacks since your 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 ,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) and 7 Physical stacks

Facility Information Form (general facility and contact)

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



Source Registration (SR) or SR and Greenhouse Gas (GHG) Overview 2021YEAR OF RECORD1190564FACILTY AQ Identifier

	Emission unit name	DEP#	EU Category	Last Update
•	COLUMBIA, 2.091 MMBTU/HR, NO. 2 FUEL OIL-0.3 S	2	FUEL BURNING DEVICE	2020
v	CLEAVER BROOKS BOILER (NO.2 FUEL OIL, 0.3S)		FUEL BURNING DEVICE	2020
v	CUMMINS GENERATOR #2 (NT855G2, DIESEL)	50	FUEL BURNING DEVICE	2020
•	CATERPILLAR GENERATOR #1	55	FUEL BURNING DEVICE	2020
~	2 LENNOX FURNACES SR 20Q5-140/154	64	FUEL BURNING DEVICE	2020
•	INDUSTRIAL OIL FURNACE LG14-225	67	FUEL BURNING DEVICE	2020
	2 DRUM CRUSHING LINES	5	PROCESS	2020
$\overline{\mathbf{v}}$	AG TANK A3-9,800 GAL	8	TANK	2020
☑	AG TANK A6- 9,500 GAL WASTE STREAM A-31	11	TANK	2020
	AG TANK A8 - 10,000 GAL TANK	13	TANK	2020
☑	AG TANK A9- 10,000 GAL	14	TANK	2020
$\overline{\mathbf{v}}$	AG TANK A17B - 750 GAL	18	TANK	2020
7	AG TANK A22 (2,400 GAL)	23	TANK	2020
	AG TANK A23 (2,400 GAL)	24	TANK	2020
☑	AG TANK A24 (2,400 GAL)	25	TANK	2020
☑	AG TANK A25 (1,000 GAL)	26	TANK	2020
7	AG TANK A13 (4,000 GAL), DIESEL LOW SULF	51	TANK	2020
☑	AG TANK A12 (6,300 GAL), NO. 2 FUEL OIL	52	TANK	2020
☑	AG TANK B1- POLYOLEFIN WASTEWATER NO VOCS	53	TANK	2020
v	AG TANK B2- POLYOLEFIN TANK WASTEWATER NO VOCS	54	TANK	2020
	AG TANK B4- POLYOLEFIN H WASTEWATER NO VOCS	57	TANK	2020
•	AG TANK B7- POLYOLEFIN TANKS WASTEWATER NO VOCS	60	TANK	2020
	AG TANK A7 - 9,500 GAL.	68	TANK	2020
☑	STACK #1- INCINERATOR #1-VENT-O-MATIC	1	STACK	2020
$\overline{\mathbf{v}}$	STACK #2- COLUMBIA BOILER, NO. 2 FUEL OIL	2	STACK	2020



Source Registration (SR) or SR and Greenhouse Gas (GHG) Overview 2021 YEAR OF RECORD 1190564 FACILTY AQ Identifier

~	1 STACK - BOILER #1-CLEAVER BROOKS, NO 2 FUEL OIL	3	STACK	2020
	2 DRUM CRUSHING LINES	5	STACK	2020
~	1 STACK GENERATOR (2)- CUMMINS AND CATERPILLAR	7	STACK	2020
	1 STACK-2 FURNACES - LENNOX	9	STACK	2020
	CUT OFF ROOM	10	STACK	2020



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

2021

Year of Record

1190564

Facility AQ identifier

A. Facility Information:

1. Facility - the site or works where the	e regulated activity oc	curs:	
CLEAN HARBORS OF BRAINT	REE INC		
a. Facility Name			
1 HILL AVE			
b. Facility Street Address Line 1			
c. Facility Street Address Line 2			
BRAINTREE	MA		02184
d. City/Town	e. State		f. ZIP Code
7813807100		7813807193	
g. Facility Phone Number		h. Facility Fax N	lumber
2. Mailing address: (check all that appl	ly)	□ same address	as facility address
1 HILL AVE	T		
a. Facility Mailing Address / PO Box			
	L' 0		
b. Facility Mailing Address / PO Box			
BRAINTREE	MA		02184
c. City/Town	d. State		e. ZIP Code
3. Facility type - check one:			
○ Utility	Tribal © Federal	© State	C Local Government
. ORIS Facility Code - for large electr	rical utilities only:		
		ORIS Facility Co	ode
		ORIS Facility Co	ode
h	1	1190564	
34839	1	1190564	ode ntifier - SSEIS ID Number
34839 a. DEP Account Number / FMF Faci	1	1190564	
34839 a. DEP Account Number / FMF Faci	lity# t	1190564	
34839 a. DEP Account Number / FMF Faci 5. Location :	lity# b	1 190564 6. Facility AQ Iden 70.972946	
34839 a. DEP Account Number / FMF Faci 5. Location : 42.235971 a. Latitude 42.9 - 41.2	lity # t	1 190564 b. Facility AQ Iden 70.972946 . Longitude - Wes nly.	ntifier - SSEIS ID Number
	lity # t	1 190564 b. Facility AQ Iden 70.972946 . Longitude - Wes nly.	ntifier - SSEIS ID Number

	Environmental Prot	2021
Bureau of Air and Waste - Facility Information	- Air Quality	Year of Record
		1190564
		Facility AQ identifie
Facility description (What is being produced and	d how it is being produc	ed at this facility - undate as needed).
LEAN HARBORS OF BRAINTREE INC. IS A		• • •
O PRODUCTION AT THIS FACILITY.		
Facility's normal hours of operation:		
12:00 AM 🔹 12:00 AM	-	🗹 c. Continuous - 24 X 7 X 52
a. Start Time b. End Time		
d. Which days is the facility open? \Box S	\Box M \Box T	$\Box W \Box T \Box F \Box S$
). Number of Employees: 16		
9	acility mailing address	(will copy address into fields below)
-		
Please contact your MassDEP Regional Office if the	he ownership of this fac	ility has changed.
CLEAN HARBORS OF BRAINTREE INC		
a. Owner or Corporation Name		
1 HILL AVE		
b. Mailing Address Line 1 (for owner or corporation	ion)	
ATTN: GENERAL MANAGER		
c. Mailing Address Line 2		
BRAINTREE	MA	02184
d. City/Town	e. State	f. Zip Code
US	• 042507498	
g. Country	h. Owner TIN	
7813807100	7134	7813807193
i. Owner Phone Number	j. Extension	k. Owner Fax Number
fontaine.andrew@cleanharbors.com		

	partment of Environmental Protec	2021
Bureau of Air an Facility Information	nd Waste - Air Quality	Year of Record
		1190564
		Facility AQ identifier
12. Facility contact information:	same address as facility address	
Γ	same address as facility mailing add	dress
DAVID	MEDINA	
a. Facility Contact First Name	Contact Last N	lame
1 HILL AVE		
b. Mailing Address Line 1		
c. Mailing Address Line 2		
BRAINTREE	MA	02184
d. City/Town	e. State	f. Zip Code
US	• medinad@cleanharbors.com	
g. Country	h. E-mail Address	
7803807100		7813807193
i. Phone Number	j. Extension	k. Fax Number
3. Air emissions information contact	:: □ same name and address as fac □ same address as facility addre	•
JAMES R.	LAUBSTED	
a. Air emissions contact First Name	Air emissions conta	act Last Name
26137 SOUTH RIDGELAND AVE	NUE	
b. Mailing Address Line 1		
c. Mailing Address Line 2		
MONEE	IL	60449
d. City/Town	e. State	f. Zip Code
US	laubsted.j@cleanharbors.com	
g. Country	h. E-mail Address	
6308542549		
1	7134	7813807193





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

2021

Year of Record

1190564

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

b. Last Name

COMPLIANCE MANAGER

c. Title

7817925174

d. Phone Number

comeau.michaeld@cleanharbors.com

e. E-mail Address

Date



A . Annual Total Emissions Statement

1. Facility Identifiers:

CLEAN HARBORS OF BRAINTREE INC

a. Facility Name

34839	1190564
b. DEP Account Number	c. Facility AQ Identifier

2. Total Emissions :

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

Pollutant:	PM 10-FIL	PM 2.5-FIL	PM-CON	SO2
Actual for	.0179	.0113		.1806
previous year:	Tons	Tons	Tons	Tons
Actual for year	0.0379	0.0239	0	0.3823
of record:	Tons	Tons	Tons	Tons
Potential	9.4880	9.3526	0	11.9580
emissions	Tons	Tons	Tons	Tons
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed				
emissions-short term:	Pounds	Pounds	Pounds	Pounds
Short term	•	•	•	
Period				
Basis DEP				
Approval				
number or		1	1	
regulation:				



Massachusetts Department of Environmental Protection Bureau of Air and Waste BWP AQ AP - TES Total Emissions Statement & Hazardous Air Pollutant List

2021 YEAR OF RECORD 1190564 Facility AQ Identifier

Pollutant:	РВ	VOC	NH3	СО
Actual for		.0122	0	.0715
previous year:	Tons	Tons	Tons	Tons
Actual for year	0	0.0361	0	0.1520
of record:	Tons	Tons	Tons	Tons
Potential	0	22.8354	0	29.3023
emissions	Tons	Tons	Tons	Tons
Max allowed emissions-		36.2		
annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short		23600		
term:	Pounds	Pounds	Pounds	Pounds
Short term Period	•	Month	_	
Basis DEP				
Approval number or		MBR-95-RES-047		
regulation:				

Pollutant:	NO2	НОС
Actual for	.339	
previous year:	Tons	Tons
Actual for year	0.7204	0
of record:	Tons	Tons
Potential	136.2320	0
emissions	Tons	Tons
Max allowed	17.3	
emissions- annual:	Tons	Tons
Max allowed emissions-short	9400	
term:	Pounds	Pounds
Short term Period	Month	
Basis DEP Approval number or regulation:	MBR-95-RES-047	



2021	
YEAR OF RECO	RD
1190564	
Facility AQ Identi	fier

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

a.	EXEMPT 135411	GALLONS	year
	DEP Amount of Restriction approval # (most recent)	Restriction Units	Per Unit Time
	NO. 2 FUEL OIL 0.3 PERCENT SU	ULFUR	
	Description of fuel, raw material or pa	roduct restricted	
b.	MBR-89-C 300	HOUR	• year •
	DEP approval Amount of Restriction # (most recent)	Restriction Units	Per Unit Time
	NO. 2 FUEL OIL 0.3 PERCENT SU	ULFUR	
	Description of fuel, raw material or pa		
c.	MBR-86- 376680	GALLONS	▼ year ▼
	DEP Amount of Restriction approval # (most recent)	, Restriction Units	Per Unit Time
	NO. 2 FUEL OIL 0.3 PERCENT S	SULFUR	

Description of fuel, raw material or product restricted



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)?

 \bigcirc Yes \bigcirc 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

Massachusetts Department of Environmental Protection	2021		
Bureau of Air and Waste BWP AQ AP - TES	YEAR OF RECOR		
Total Emissions Statement & Hazardous Air Pollutant List	1190564		
	Facility AQ Identified		
zardous Air Pollutants (HAPs)			
Iazardous Air Pollutant List			
.P			
METHYL ALCOHOL	67561		
a. HAP Name	b. CAS # for individual HAPs		
\Box c. Check if this is your single largest HAP emission.			
.032	0		
d. Actual for previous year	e. Actual for year of record		
12.8			
f. Potential Emissions	g. Max allowed emissions – annual(Tons)		
5000	•		
h. Max allowed emissions – short term(Pounds) i. Short term period			
MBR-95-RES-047			
j. Basis DEP Approval number or regulation			
P			
TOLUENE	108883		
a. HAP Name	b. CAS # for individual HAPs		
✓ c. Check if this is your single largest HAP emission.			
.126	0.597		
d. Actual for previous year	e. Actual for year of record		
12.8	18.6		
f. Potential Emissions	g. Max allowed emissions – annual(Tons)		
5000			
5000	•		

MBR-95-RES-047

j. Basis DEP Approval number or regulation



Massachusetts Department of Environmental Protection Bureau of Air and Waste BWP AQ AP - TES Total Emissions Statement & Hazardous Air Pollutant List

2021 YEAR OF RECORD 1190564 Facility AQ Identifier

HAP

ETHYLENE GLYCOL	▪ 107211
a. HAP Name	b. CAS # for individual HAPs
C. Check if this is your single largest HAP emission.	
.009	0
d. Actual for previous year	e. Actual for year of record
12.8	18.6
f. Potential Emissions	g. Max allowed emissions – annual(Tons)
5000	
h. Max allowed emissions – short term(Pounds)	i. Short term period
MBR-95-RES-047	
j. Basis DEP Approval number or regulation	

Massachusetts Department of Environmental Protection Bureau of Air and Waste BWP AQ AP - TES Total Emissions Statement & Hazardous Air Pollutant List	2021YEAR OF RECORD1190564Facility AQ Identifier

2. Total HAP Emissions		
a. Actual for previous year: Tons	.4143	
b. Actual for year of record: Tons		
c. Potential at max capacity uncontrolled: Tons	38.4	
d. Max allowed emissions - annual: Tons	55.8	Facility-wide restriction only
e. Max allowed emissions – short term : Pounds	10600	Facility-wide restriction only
f. Short term period:	Month 💌	
g. Basis for max allowed emissions:	MBR-95-RES-047	DEP approval # or regulation

D. Notes and Attachments

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

2. Attachments:

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



Fuel Burning Device Emission Unit

2021	
Year of Record	ł

2 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:	
COLUMBIA, 2.091 MMBTU/HR, NO. 2 FUEL OIL-0.3 S	
a. Facility's choice of emission unit name - edit as needed	
2	2
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:	
11/17/2018	
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable
	Complete only if the unit was shut down permanently or replaced since the last report.
4. Emission Unit Replacement	
a. Is this unit, replacing another emission unit?	
• No • • Yes - Enter DEP's emissions unit number and nam	ne for the unit being replaced from the drop-down list below:

b. DEP's Emission Unit Number and facility's emission unit name

Massachusetts Depart Bureau of Air and		nmental Protection	2021 Year of Record 2
Fuel Burning Dev Emission Unit	DEP EU# 1190564 Facility AQ Identifier		
5. Equipment			
a. Equipment Type EPA Unit type code	BOILE	R	•
EPA Unit Type (describe):	BOILER	{	
If engine, is this an emergency generator?	C Yes	C No	
If an emergency generator, please give the operation:	number of hours of o	operation during the reporting	g year for each category of
Emergency Use(hours)			
Non Emergency Use(hours)			
Maintenance and Readiness Testing(hours)			
COLUMBIA	4VT-50)BHD	
b. Manufacturer		el number	
2.0910	1		
d. Max Input Rating MMBtu/hr (must be greater	than 0) e. Num	ber of burners (enter "0" if not a	applicable)
f. Types of burner - check one:	© rotary		
	mech. atomizer		
	C steam atomizer		
	C air atomizer		
	C traveling grate		
	C hand fired		
	C Other		
	Specify "other" bur	rner type	
COLUMBIA	163970		
g. Burner Manufacturer	h. Burn	ner Model number	
11/17/2018			
i.Burner Installation Date (mm/dd/yyyy)			
6. DEP approvals - leave blank if not applicable:			
a. Most recent approval number	b. DEP	approval date (mm/dd/yyyy)	
7. Is this unit exempt under 310 CMR 7.02 Plan Appr • Yes C No	rovals?		
8. If exempt from Plan Approval, indicate the reason f	for the exemption, fron	a the drop-down list below. (e.g.	, cite a specific DEP regulation):

below thresholds in 310 CMR 7.02 (2)(b) 7 and 15

•

X		etts Departr of Air and	nent of Envir <i>Waste</i>	onmenta	al Protec		1 of Record
3		ning Dev					EU# 0564 ity AQ Identifier
9. Additional S	State Reporting Require	ements:					
a. Are there	other routine air quality	reporting requir	ements for this em	issions unit	:?		
🛈 Yes - Spe	ecify reporting frequence	y below	CN	o - Skip to	question 9c		
[Monthly		ly 🔽	Semi-annual	Man An		RES	
(include Ope	erating Permit and Plan	Approval report	s, but not exceedan	ce reportin	g)		
c. Is this uni	t subject to (check all th	nat apply):					
10. Hours of o	peration for the emissic	on unit:	a . c	check if cor	ntinuously o	perated - 24 X 7 X 52	
24		7			17		
b. Number o	of hours per day	c. Numbe	r of days per week		d. Numb	er of weeks per year	
e. Percent of	f total annual operation	that occurs in eac	h calendar quarter	0 or 0.1 - 1	· · · · · · · · · · · · · · · · · · ·		
71.0	26.0	0.0	3.0			Q1+Q2+Q3+Q4 must = he unit was not operate	
Q1	Q2	Q3	Q4		01 0 11 t	ne unit was not operate	d for any quarter
11. Ozone sea	son schedule - May 1 th	rough Septembe	r 30:				
0		0			0		
a. Ozone season hours per day b. Ozone season days per week		veek	c. Weeks operated in ozone season		ason		
12. Emission H	Release Point - select on	e:			Engines c	lick here for instruction	15:
Non-Stack	Release Points:			Physical S	tacks:		
C fugitiv	e			C vertica	l stack		
C horizor	C horizontal vent C vertical with rain cap/sleeve						
C engine	exhaust						
C downw	vard facing vent						
C vertica	l stack/vent less than 1	0ft					
	l stack/vent less than 10 nit to a physical stack (ck from the list bel	ow:			

2 STACK #2- COLUMBIA BOILER, NO. 2 FUEL OIL

Facility's stack identifier from STACK form - to change stack name use the STACK form If the stack for this unit is not listed, save and exit this form now and complete a new Stack form before returning to this form. -



2021 Year of Record
2 DEP EU#
1190564 Facility AQ Identifier

14. Is there an air pollution control device/s on this emissions unit?

C Yes - answer a through i

• No - skip to question 15

		Departmen lir and W	nt of Environme <i>aste</i>	ntal Protec		1 of Record
	l Burnir ssion Uni	ng Device t				EU# 0564 lity AQ Identifier
15. Is there monitoring equip	ment on this e	missions unit or	its related control dev	vices:		
C Yes - answer a through	1	🛈 No - :	skip to section B			
	Monitor 1		Monitor 2		Monitor 3	
a. Monitor type:	CEMs		CEMs		CEMs	
a. Wolltor type.	C opacity		C opacity		C opacity	
	C other		C other		C other	
	Describe		Describe		Describe	
b. Manufacturer:						
c. Model Number:						
d. Monitor ID #:						
	Facility's De	signation	Facility's Des	ignotion	Facility's Desi	anation
e. Installation Date:		signation				
c. Instantation Dute.	 (mm/dd/yyy	v)	(mm/dd/yyyy)	(mm/dd/yyyy)	
f. DEP Approval #:		y))		
g. DEP Approval Date:						
	(mm/dd/yyy	y)	(mm/dd/yyyy)	(mm/dd/yyyy)	
h. Decommission Date:						
	(mm/dd/yyy	y)	(mm/dd/yyyy)	(mm/dd/yyyy)	
i. Recorder?	🖸 yes	Ōno	© yes	Ōno	© yes	Ono
j. Audible Alarm?	Öyes	Ono	©yes	Ōno	©yes	©no
k. Data System?	Öyes	Ono	©yes	Ōno	©yes	Ono
l. Monitored Pollutants -	PM 10		PM 10		PM 10	
check all that apply:	PM 2.5		PM 2.5		PM 2.5	
	□ SO2		SO2		SO2	
	□ co		□ co		□ co	
	□ VOC				□ VOC	
	□ NO2		NO2		NO2	
	□ NH3		□ NH3		□ NH3	
	Mercury				Mercury	
	CO2		CO2		CO2	
	□ H2S		\square H2S		\square H2S	
	TH23		TH25		TH25	
	Other					
						-
	Describe		Describe		Describe	

Massachusetts Department of En Bureau of Air and Waste	vironmental Protection	2021 Year of Record		
Fuel Burning Device Emission Unit		2 DEP EU# 1190564 Facility AQ Identifier		
B. Fuels and Emissions				
1. Fuel Name / Characteristics: Number of fuels for this unit (previous records):	BOILER #2-COLUMBIA #30	- #2 OIL-0.3 SULFUR		
	Fuel Name			
	1 DEP Fuel #			
Add a NEW fuel: Check the box if you need to add a fuel that you did not report on previously (eDEP will add a blank Sect. B form to your package). Number of Additional Fuels :	Delete this fuel: check box if unit permanently. You must still	you stopped using this fuel in this report for this year of record even if emoved from the unit in the next		
a. Source Classification Code (SCC):	10200501 SCC (call DEP if SCC will not v EXTERNAL COMBUSTION B DISTILLATE OIL - GRADES 1	OILERS - INDUSTRIAL -		
b. Type of fuel	SCC Description - filled by eDEP upon error check.			
	Fuel Description - filled by eDEP upon error check.			
c. Sulfur content for oils and coal (0-2.2%):	.138 Percent by weight	-		
d. Ash content for oils and coal(0- 10.0%):	0 Percent by weight			
e. Maximum hourly fuel rate for all firing burners:(enter "0"if unit decommissioned prior to this year of record):	0.0155 Amount	1000 GALLONS Units per hour		
f. Do you have fuel or usage restrictions?	• yes O no - skip to ques	tion 2		
g. DEP approval number for fuel restrictions:	EXEMPT Most recent for this fuel			
h. Annual usage restriction (for this fuel):(amount or hours)	111252 Quantity	GALLONS 💽		
i. Short term use restriction (for this fuel):(amount or hours)	Per	GALLONS		

	Massachusetts Department of Environmental Protection
3	Bureau of Air and Waste

Fuel Burning Device Emission Unit

2021 Year of Record	
2	-
DEP EU#	

1190564 Facility AQ Identifier

2. Total actual fuel used for year of record:	36.3100	1000 GALLONS	-
(check your amount vs units and enter "0" if not used in the year of record)	a. Amount - year of record	b.Units	
	4.48 1000 GALLO	NS	

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 PM 10-FIL	PM 2.5-FIL	PM-CON	SO2
Actual for previous	0.0022	0.0006		0.0439
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0182	0.0045		0.3558
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 Facto 💌	USEPA Emission Facto 💌	USEPA Emission Facto	USEPA Emission Facto 💌
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period	_			_
Basis DEP Approval				
number or regulation:			1	1



Fuel Burning Device Emission Unit

2021 Year of Record
2 DEP EU#
1190564 Facility AQ Identifier

Pollutant:	□ PB	□ VOC	□ NH3	Гсо
Actual for previous		0.0004		0.0112
year:	Tons	Tons	Tons	Tons
Actual for year of		0.0036		0.0908
record:	Tons	Tons	Tons	Tons
Potential emissions		0.0136		0.3395
	Tons	Tons	Tons	Tons
Emission Factor		0.20		5
in pounds per unit		1000 GALLONS		1000 GALLONS
Calculation Method	USEPA Emission Facto	USEPA Emission Facto 💌	USEPA Emission Facto 💌	USEPA Emission Facto 💌
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed				
emissions-short term:	Pounds	Pounds	Pounds	Pounds
Short term Period	_	_	_	-
Basis DEP				
Approval number or				
regulation:				

Pollutant:		specify other pollutant
Actual for	0.0538	
previous year:	Tons	Tons
Actual for year of	0.4357	
record:	Tons	Tons
Potential emissions	1.6294	
	Tons	Tons
Emission Factor	24	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Facto	USEPA Emission Facto
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short term:	Pounds	Pounds
Short term Period		
Basis DEP Approval number or regulation:		

Massachusetts Department of Environmental Prote Bureau of Air and Waste Fuel Burning Device Emission Unit	ction2021 Year of Record2 DEP EU#1190564 Facility AQ Identifier
4. Ozone season emissions - May 1 through September 30	

 0
 0

 • Turied her VOC emissions ensure here designed

a. Typical day VOC emissions - pounds per day

b. Typical day NOx emissions - pounds per day □ check to enter your own values

NOTE: The form will estimate the ozone season emissions for you. However, you may enter your own values by checking the boxes above.

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.



Fuel Burning Device Emission Unit

2021	
Year of Record	ł

3 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:	
CLEAVER BROOKS BOILER (NO.2 FUEL OIL, 0.3S)	
a. Facility's choice of emission unit name - edit as needed	
3	3
b. Facility's emission unit number / code - edit as needed	c. DEP emission unit #
d. ORIS ID # – for large electrical utilities only	e. Combined Units - enter number of individual units
3. Emission unit installation and decommission dates:	
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 down permanently or replaced since the last report.
4. Emission Unit Replacement	
a. Is this unit, replacing another emission unit?	
• No • • Yes - Enter DEP's emissions unit number and name	ne for the unit being replaced from the drop-down list below:

b. DEP's Emission Unit Number and facility's emission unit name

Massachusetts Departm Bureau of Air and	ent of Environmental Protection Waste	2021 Year of Record
Fuel Burning Devic Emission Unit	DEP EU# 1190564 Facility AQ Identifier	
5. Equipment		
a. Equipment Type EPA Unit type code	BOILER	•
EPA Unit Type (describe):	BOILER	
If engine, is this an emergency generator?	C Yes C No	
If an emergency generator, please give the nu operation:	mber of hours of operation during the reporting	g year for each category of
Emergency Use(hours)		
Non Emergency Use(hours)		
Maintenance and Readiness Testing(hours)		
CLEAVER BROOKS b. Manufacturer	CB800-150 c. Model number	
2.80	1 New here of here are (out or "0" if you here	
d. Max Input Rating MMBtu/hr (must be greater tha	n 0) e. Number of burners (enter "0" if not a	pplicable)
f. Types of burner - check one:	C rotary	
	• mech. atomizer	
	C steam atomizer	
	C air atomizer	
	C traveling grate	
	C hand fired	
	© Other	
CL BROOKS	Specify "other" burner type CB800-150-150	
g. Burner Manufacturer	h. Burner Model number	
09/01/1986		
i.Burner Installation Date (mm/dd/yyyy)		
6. DEP approvals - leave blank if not applicable:		
MBR-86-COM-027	9/11/1986	
a. Most recent approval number	b. DEP approval date (mm/dd/yyyy)	
7. Is this unit exempt under 310 CMR 7.02 Plan Approva [○] Yes [●] No	als?	
8. If exempt from Plan Approval, indicate the reason for	the exemption, from the drop-down list below. (e.g.,	cite a specific DEP regulation):

•

Massachusett	s Denartment	t of Enviro	nmenta	l Protecti	on	2021
Bureau of L			minenta	I I I Otteti	on	2021 Year of Record
Bureau of 1		iste				3
Fuel Burni	ng Device					DEP EU#
Emission Un	•					1190564 Facility AQ Identifier
						I denity AQ Identifier
9. Additional State Reporting Requirement	nts:					
a. Are there other routine air quality rep	oorting requiremen	ts for this emiss	sions unit?	?		
• Yes - Specify reporting frequency b	elow	🔿 No	- Skip to c	question 9c		
b. Reporting frequency - check all that	apply:					
Monthly Quarterly	□ Sem	i-annual	🔽 Ann	ual	RES RES	
(include Operating Permit and Plan Ap	proval reports, but	not exceedance	e reporting	5)		
c. Is this unit subject to (check all that a	apply):					
▼ NESHAP NSPS	MACT					
10 Hours of operation for the operation u	nit.		1.10		(1 04 X 7	W 50
10. Hours of operation for the emission u	mit.	a. ch	ieck if cont	tinuously oper	rated - 24 X /	X 52
24	5			15		
b. Number of hours per day	c. Number of da	ays per week		d. Number	of weeks per	year
e. Percent of total annual operation that	occurs in each cale	endar quarter(0	or 0.1 - 10			
0.0	0.0	0.0			+Q2+Q3+Q4	must = 100% operated for any quarter
Q1 Q2	Q3	Q4		or 0 II the	unit was not o	operated for any quarter
11. Ozone season schedule - May 1 throu	gh September 30:					
0	0			0		
a. Ozone season hours per day		on days per wee	ek	c. Weeks operated in ozone season		zone season
12. Emission Release Point - select one:		• •		Engines clic	k here for inst	tructions:
Non-Stack Release Points:		P	Physical Sta	acks:		
○ fugitive		C vertical	stack			
C horizontal vent C vertica		C vertical	with rain cap	/sleeve		
C engine exhaust						
C downward facing vent						
C vertical stack/vent less than 10ft						
13. Link this unit to a physical stack (if a	oplicable) - pick fro	om the list below	W:			

3 1 STACK - BOILER #1-CLEAVER BROOKS, NO 2 FUEL OIL

Facility's stack identifier from STACK form - to change stack name use the STACK form If the stack for this unit is not listed, save and exit this form now and complete a new Stack form before returning to this form. -



Year of Record	
3 DEP EU#	
1190564	

14. Is there an air pollution control device/s on this emissions unit?

C Yes - answer a through i

• No - skip to question 15

Massachusetts Department of Environmental Protection Bureau of Air and Waste					Yea 3	r of Record	
Fuel Burning Device Emission Unit				119	PEU# 90564 ility AQ Identifier		
15. Is there monitoring equip	ment on this e	missions unit or	its related control de	vices:			
C Yes - answer a through	1	🛈 No - s	kip to section B				
Monitor 1			Monitor 2		Monitor 3	Monitor 3	
a. Monitor type:	© CEMs		C CEMs	C CEMs		© CEMs	
a. Wolltor type.	C opacity		C opacity		C opacity	© opacity	
	C other		🔿 other		© other		
	Describe		Describe		Describe		
b. Manufacturer:							
c. Model Number:							
d. Monitor ID #:							
	Facility's De	signation	Facility's Des	signation	Facility's Des	ignation	
e. Installation Date:				-			
	" (mm/dd/yyy	y)	(mm/dd/yyyy	/)	(mm/dd/yyyy)	
f. DEP Approval #:							
g. DEP Approval Date:							
3 . FI	l (mm/dd/yyy	v)	(mm/dd/yyyy	<i>i</i>)	(mm/dd/yyyy)	
h. Decommission Date:							
	l (mm/dd/yyy	v)	(mm/dd/yyyy	<i>i</i>)	(mm/dd/yyyy)	
i. Recorder?	© yes	Öno	© yes	Ōno	© yes	© no	
j. Audible Alarm?	-		-		-		
-	© yes	Ono	© yes	C no	© yes	Ono	
k. Data System?	C yes	Öno	© yes	Ôno	Öyes	Öno	
1. Monitored Pollutants -	T PM 10		FPM 10		PM 10		
check all that apply:	PM 2.5		PM 2.5		PM 2.5		
	SO2		SO2		SO2		
			□ co				
	NO2				NO2		
	□ NH3		□ NH3		NH3		
					Mercury		
	CO2		Coxygen		CO2		
	□ CO2 □ H2S		\Box CO2		\square H2S		
\square H2S \square HCL			H2S		H2S		
	\square HCL \square Opacity			HCL Opacity		I HCL □ Opacity	
	Other		Conter				
					Other	=1	
	 Deges ^{:1} -		Describe		▼ Deseribe	•	
	Describe		Describe		Describe		

	vironmental Protection	2021 Year of Record		
Bureau of Air and Waste		3		
Fuel Burning Device		DEP EU#		
Emission Unit		1190564 Facility AQ Identifier		
B. Fuels and Emissions				
 Fuel Name / Characteristics: Number of fuels for this unit (previous records): 1 	BOILER #1-CLEAVER BROOK	S #2 OIL-0.3 PERCENT SULFU		
	Fuel Name			
	1			
	DEP Fuel #			
did not report on previously (eDEP will add a blank Sect. B form to your package). Number of Additional Fuels : a. Source Classification Code (SCC):	unit permanently. You must still a amount is "0" – the fuel will be re- report cycle. 10200501 SCC (call DEP if SCC will not v EXTERNAL COMBUSTION BC DISTILLATE OIL - GRADES 1	alidate) DILERS - INDUSTRIAL -		
	SCC Description - filled by eDE	EP upon error check.		
b. Type of fuel	FUEL NO.2			
	Fuel Description - filled by eDEP upon error check.			
c. Sulfur content for oils and coal (0-2.2%):	.138			
d. Ash content for all and $cos(0, 10.09/)$:	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			
decommissioned prior to this year of record):		1000 GALLONS		
f. Do you have fuel or usage restrictions?	• yes C no - skip to quest	*		
g. DEP approval number for fuel restrictions:	MBR-95-RES-047			
	Most recent for this fuel			
h. Annual usage restriction (for this fuel):(amount or hours)	376680	GALLONS		
		Units		
i. Short term use restriction (for this fuel):(amount or hours)				
1. Short term use restriction (for this fuer).(amount of hours)		GALLONS 💌		
	Per	Jnits		
		month week day hour		

Massachusetts Depart	ment of Environmental Protection
Bureau of Air and	Waste

Fuel Burning Device Emission Unit

2021 Year of Record	
3 DEP EU#	

1190564 Facility AQ Identifier

2. Total actual fuel used for year of record:	0.0000		1000 GALLONS	-
(check your amount vs units and enter "0" if not used in the year of record)	a. Amount -	· year of record	b.Units	
	12.73	1000 GALLC	ONS	

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:	PM 10-FIL	PM 2.5-FIL	PM-CON	□ SO2
Actual for previous	0.0064	0.0016		0.1247
year:	Tons	Tons	Tons	Tons
Actual for year of	0	0		0
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 Facto 💌			
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period	_	_	_	_
Basis DEP Approval				
number or regulation:]]	1



Fuel Burning Device Emission Unit

2021 Year of Record
3 DEP EU#
1190564 Facility AQ Identifier

Pollutant:	□ PB	□ VOC	□ NH3	ГСО
Actual for previous		0.0013		0.0318
year:	Tons	Tons	Tons	Tons
Actual for year of		0		0
record:	Tons	Tons	Tons	Tons
Potential emissions		0.0175		0.4380
	Tons	Tons	Tons	Tons
Emission Factor		0.20		5
in pounds per unit	•	1000 GALLONS	•	1000 GALLONS
Calculation Method	USEPA Emission Facto 💌			
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period	_		•	_
Basis DEP Approval number or regulation:				

Pollutant:		specify other pollutant
Actual for	0.1528	
previous year:	Tons	Tons
Actual for year of	0	
record:	Tons	Tons
Potential emissions	2.1024	
	Tons	Tons
Emission Factor	24	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Facto	USEPA Emission Facto
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short term:	Pounds	Pounds
Short term Period		
Basis DEP		
Approval number or		
regulation:		

Massachusetts Department of Environmental Protection Bureau of Air and Waste Fuel Burning Device Emission Unit	2021 Year of Record 3 DEP EU# 1190564 Facility AQ Identifier
4. Ozone season emissions - May 1 through September 30	

0 0 a. Typical day VOC emissions - pounds per day Check to enter your own values

b. Typical day NOx emissions - pounds per day Check to enter your own values

NOTE: The form will estimate the ozone season emissions for you. However, you may enter your own values by checking the boxes above.

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.



Fuel Burning Device Emission Unit

2021	
Year of Record	1

50 DEP EU# 1190564

11903	04	
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 down permanently or replaced since the last report.
4. Emission Unit Replacement	
a. Is this unit, replacing another emission unit?	
⊙ No ○ Yes - Enter DEP's emissions unit number and name	ne for the unit being replaced from the drop-down list below:

b. DEP's Emission Unit Number and facility's emission unit name

operation:	RECIPROCATING IC ENGINE	50 DEP EU# 1190564 Facility AQ Identifier
 a. Equipment Type EPA Unit type code EPA Unit Type (describe): If engine, is this an emergency generator? If an emergency generator, please give the n operation: 	,	•
EPA Unit type code EPA Unit Type (describe): If engine, is this an emergency generator? If an emergency generator, please give the n operation:	,	•
If engine, is this an emergency generator? If an emergency generator, please give the n operation:	, ENGINE	
If an emergency generator, please give the n operation:		
operation:	C Yes © No	
-	umber of hours of operation during the reporti	ing year for each category of
Emergency Use(hours)		
Non Emergency Use(hours)		
Maintenance and Readiness Testing(hours)		
CUMMINS	125-DGEA	
b. Manufacturer	c. Model number	
1.6880		
d. Max Input Rating MMBtu/hr (must be greater th	nan 0) e. Number of burners (enter "0" if no	t applicable)
f. Types of burner - check one:	C rotary	
	• mech. atomizer	
	C steam atomizer	
	C air atomizer	
	C traveling grate	
	C hand fired	
	© Other	
	Specify "other" burner type	
g. Burner Manufacturer	h. Burner Model number	
i.Burner Installation Date (mm/dd/yyyy)		
DEP approvals - leave blank if not applicable:		
a. Most recent approval number	b. DEP approval date (mm/dd/yyyy)	
Is this unit exempt under 310 CMR 7.02 Plan Approv	vals?	
If exempt from Plan Approval, indicate the reason fo	r the exemption from the dron-down list below (a	σ cite a specific DEP regulation):

below thresholds in 310 CMR 7.02 (2)(b) 7 and 15

•
Massachusetts Department of Environmental Protection2021Bureau of Air and WasteYear of Record						2021 Year of Record
Sureau of Air and waste 50 Fuel Burning Device 1190564 Emission Unit Facility AQ Identifier					DEP EU# 1190564	
9. Additional State Reporting Requirement	its:					
	 a. Are there other routine air quality reporting requirements for this emissions unit? Image: Specify reporting frequency below Image: Specify reporting frequency below Image: Specify reporting frequency below 					
b. Reporting frequency - check all that a ☐ Monthly ☐ Quarterly (include Operating Permit and Plan App	☐ Semi-ar		Anr ce reporting		RES	
c. Is this unit subject to (check all that a	pply): MACT					
10. Hours of operation for the emission up	nit:	□a. c	heck if con	tinuously oper	ated - 24 X 7	X 52
1	1			12		
b. Number of hours per day c. Number of days per week			d. Number o	of weeks per	year	
e. Percent of total annual operation that	occurs in each calend	ar quarter(0 or 0.1 - 1	00):		
67.0 0.0	0.0	33.0				must = 100%
Q1 Q2	Q3	Q4		or 0 if the	unit was not o	operated for any quarter
11. Ozone season schedule - May 1 throu	gh September 30:					
3	1			4		
a. Ozone season hours per day	b. Ozone season	days per w	reek	c. Weeks operated in ozone season		zone season
12. Emission Release Point - select one:		•		Engines click	c here for inst	tructions:
Non-Stack Release Points:			Physical S	tacks:		
⊂ fugitive			• vertical stack			
C horizontal vent			C vertical	with rain cap	sleeve	
C engine exhaust						
C downward facing vent						
© vertical stack/vent less than 10ft						
13. Link this unit to a physical stack (if ap	plicable) - pick from	the list belo	ow:			

7 1 STACK GENERATOR (2)- CUMMINS AND CATERPILLAR

Facility's stack identifier from STACK form - to change stack name use the STACK form If the stack for this unit is not listed, save and exit this form now and complete a new Stack form before returning to this form. -



2021 Year of Record
50 DEP EU#
1190564 Facility AQ Identifier

14. Is there an air pollution control device/s on this emissions unit?

C Yes - answer a through i

• No - skip to question 15

Massachusetts Department of Environmental Protection Bureau of Air and Waste					Year 50	r of Record	
Fuel Burning Device Emission Unit					119	EU# 00564 lity AQ Identifier	
15. Is there monitoring equip	ment on this e	missions unit or	its related control de	vices:			
C Yes - answer a through	1	🛈 No - s	kip to section B				
Monitor 1		Monitor 2	Monitor 2				
a. Monitor type:	© CEMs		© CEMs	© CEMs		© CEMs	
	C opacity		🔿 opacity		© opacity		
	C other		© other		© other		
	Describe		Describe		Describe		
b. Manufacturer:							
c. Model Number:							
d. Monitor ID #:							
	Facility's De	signation	Facility's Des	signation	Facility's Desi	gnation	
e. Installation Date:				ingination .			
	l (mm/dd/yyy	v)	(mm/dd/yyyy	z)	(mm/dd/yyyy)		
f. DEP Approval #:		y))			
g. DEP Approval Date:							
	(mm/dd/yyyy)		(mm/dd/yyyy	(mm/dd/yyyy)		(mm/dd/yyyy)	
h. Decommission Date:							
	(mm/dd/yyy		(mm/dd/yyyy		(mm/dd/yyyy)		
i. Recorder?	C yes	Ōno	© yes	Ōno	🔿 yes	Ōno	
j. Audible Alarm?	©yes	Ōno	© yes	Ōno	©yes	Cno	
k. Data System?	© yes	Ōno	© yes	Ono	C yes	Ōno	
l. Monitored Pollutants -	PM 10		PM 10		PM 10		
check all that apply:	PM 2.5		PM 2.5		PM 2.5		
	\Box SO2		SO2		\Box SO2		
			⊑ co		□ co		
	\Box VOC						
	□ NO2		□ NO2		NO2		
	□ NH3		□ NH3		□ NH3		
					Mercury		
	C Oxygen		C Oxygen		Coxygen		
	\Box CO2				\Box CO2		
TH2S HCL			H2S		☐ H2S		
		□ HCL		☐ HCL ☐ Opacity			
	Copacity			Copacity			
	C Other		Other		Other	1	
						•	
	Describe		Describe		Describe		

Massachusetts Department of En Bureau of Air and Waste	vironmental Protection	2021 Year of Record
		50
Fuel Burning Device		DEP EU# 1190564
Emission Unit		Facility AQ Identifier
B. Fuels and Emissions		
1. Fuel Name / Characteristics: Number of fuels for this unit (previous records):	GENERATOR #2-CUMMINS #NT	855G2- #2 OIL 0.3 PER.S
	Fuel Name	
	1	
	DEP Fuel #	
Add a NEW fuel: Check the box if you need to add a fuel that you did not report on previously (eDEP will add a blank Sect. B form to your package). Number of Additional Fuels :	Delete this fuel: check box if you unit permanently. You must still rep amount is "0" – the fuel will be remo report cycle.	ort for this year of record even if
a. Source Classification Code (SCC):	20200102	
	SCC (call DEP if SCC will not valid INTERNAL COMBUSTION ENGI DISTILLATE OIL (DIESEL) - RECI	NES - INDUSTRIAL -
b. Type of fuel	SCC Description - filled by eDEP u DIESEL Fuel Description - filled by eDEP u	
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 decommissioned prior to this year of record):	, ,	00 GALLONS
f. Do you have fuel or usage restrictions?	• yes	*
g. DEP approval number for fuel restrictions:	EXEMPT 7.02 Most recent for this fuel	
h. Annual usage restriction (for this fuel):(amount or hours)	300EAQuantityUn	ACH-YEAR 🔽
i. Short term use restriction (for this fuel):(amount or hours)		<u> </u>

	Massachusetts Department of Environmental Protection
5	Bureau of Air and Waste

Fuel Burning Device Emission Unit

2021 Year of Record	
50 DEP EU#	

1190564 Facility AQ Identifier

2. Total actual fuel used for year of record:	0.072	1000 GALLONS	•
(check your amount vs units and enter "0" if not used in the year of record)	a. Amount - year of record	b.Units	
	.12 1000 GALLO	DNS	

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:	F PM 10-FIL	PM 2.5-FIL	PM-CON	SO2
Actual for previous	0.0026	0.0026		0.0024
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0015	0.0015		0.0014
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 Facto 💌			
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period	_	_		_
Basis DEP Approval				
number or regulation:]]	



Fuel Burning Device Emission Unit

2021 Year of Record
50 DEP EU#
1190564 Facility AQ Identifier

Pollutant:	□ PB		NH3	СО
Actual for previous		0.0030		0.0078
year:	Tons	Tons	Tons	Tons
Actual for year of		0.0018		0.0047
record:	Tons	Tons	Tons	Tons
Potential emissions		2.5912		6.8328
	Tons	Tons	Tons	Tons
Emission Factor		49.30		130
in pounds per unit		1000 GALLONS		1000 GALLONS
Calculation Method	USEPA Emission Facto	USEPA Emission Facto 💌	USEPA Emission Facto 💌	USEPA Emission Facto 💌
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed				
emissions-short term:	Pounds	Pounds	Pounds	Pounds
Short term Period		_	•	•
Basis DEP				
Approval number or				
regulation:				

Pollutant:		specify other pollutant
Actual for	0.0362	
previous year:	Tons	Tons
Actual for year of	0.0217	
record:	Tons	Tons
Potential emissions	31.7462	
	Tons	Tons
Emission Factor	604	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Facto	USEPA Emission Facto
Max allowed		
emissions-annual:	Tons	Tons
Max allowed emissions-short		
term:	Pounds	Pounds
Short term Period		
Basis DEP Approval number or regulation:		

4. Ozone season emissions - May 1 through September 30

a. Typical day VOC emissions - pounds per day

b. Typical day NOx emissions - pounds per day

NOTE: The form will estimate the ozone season emissions for you. However, you may enter your own values by checking the boxes above.

0

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.



Fuel Burning Device Emission Unit

2021	
Year of Record	

55 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:	
CATERPILLAR GENERATOR #1	
a. Facility's choice of emission unit name - edit as needed	
55	55
b. Facility's emission unit number / code - edit as needed	c. DEP emission unit #
d. ORIS ID $\#$ – for large electrical utilities only	e. Combined Units - enter number of individual units
3. Emission unit installation and decommission dates:	
05/04/1989	
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable
	Complete only if the unit was shut down permanently or replaced since the last report.
4. Emission Unit Replacement	
a. Is this unit, replacing another emission unit?	
• No • • Yes - Enter DEP's emissions unit number and name	ne for the unit being replaced from the drop-down list below:

b. DEP's Emission Unit Number and facility's emission unit name

Massachusetts Departm Bureau of Air and	Waste	nental Protection	2021 Year of Record
Fuel Burning Device Emission Unit	ce		DEP EU# 1190564 Facility AQ Identifier
5. Equipment			
a. Equipment Type EPA Unit type code	RECIPRO	OCATING IC ENGINE	•
EPA Unit Type (describe):	ENGINE		
If engine, is this an emergency generator?	© Yes	🛈 No	
If an emergency generator, please give the nu operation:	mber of hours of op	eration during the reporting	g year for each category of
Emergency Use(hours)			
Non Emergency Use(hours)			
Maintenance and Readiness Testing(hours)			
		r	
CATERPILLAR	3412DIT	1	
b. Manufacturer	c. Model	number	
5.3480	1		
d. Max Input Rating MMBtu/hr (must be greater tha	un 0) e. Numbe	er of burners (enter "0" if not a	pplicable)
f. Types of burner - check one:	© rotary		
	C mech. atomizer		
	🔿 steam atomizer		
	🖱 air atomizer		
	C traveling grate		
	C hand fired		
	C Other		
	Specify "other" burne	er type	
CATERPILLR g. Burner Manufacturer	N/A	Model number	
-			
06/01/1989			
i.Burner Installation Date (mm/dd/yyyy)			
6. DEP approvals - leave blank if not applicable:			
MBR-89-COM-31	5/4/1989		
a. Most recent approval number	b. DEP aj	oproval date (mm/dd/yyyy)	
7. Is this unit exempt under 310 CMR 7.02 Plan Approva	als?		
8. If exempt from Plan Approval, indicate the reason for	the exemption, from t	he drop-down list below. (e.g.,	, cite a specific DEP regulation):

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Massachuse Bureau oj	-	ment of Envir Waste	onment	al Protecti	on 2021 Year of Record 55
Fuel Burning Device Emission Unit					DEP EU# 1190564 Facility AQ Identifier
9. Additional State Reporting Requirem	nents:				
a. Are there other routine air quality • Yes - Specify reporting frequency				it? 9 question 9c	
b. Reporting frequency - check all th Monthly Quarterly (include Operating Permit and Plan A		Semi-annual	Ar Ar		RES
c. Is this unit subject to (check all the NESHAP NSPS			Ĩ		
10. Hours of operation for the emission	unit:	a.	check if co	ontinuously oper	rated - 24 X 7 X 52
1	1			11	
b. Number of hours per day	c. Numbe	er of days per week		d. Number	of weeks per year
e. Percent of total annual operation the	at occurs in ea	ch calendar quarter	(0 or 0.1 -	100):	
32.0 23.0	9.0	36.0			+Q2+Q3+Q4 must = 100%
Q1 Q2	Q3	Q4		or 0 if the	unit was not operated for any quarter
11. Ozone season schedule - May 1 thr	ough Septembe	er 30:			
3	1			6	
a. Ozone season hours per day	b. Ozon	e season days per v	veek	,	operated in ozone season
12. Emission Release Point - select one		2 1			c here for instructions:
Non-Stack Release Points:			Physical S	Stacks:	
© fugitive © vertical stack					
© horizontal vent © vertical with rain cap/sleeve					
C engine exhaust					
C downward facing vent					
C vertical stack/vent less than 10ft					
13. Link this unit to a physical stack (if	applicable) - p	ick from the list be	low:		

7 1 STACK GENERATOR (2)- CUMMINS AND CATERPILLAR

Facility's stack identifier from STACK form - to change stack name use the STACK form If the stack for this unit is not listed, save and exit this form now and complete a new Stack form before returning to this form. -



2021 Year of Record 55 DEP EU# 1190564 Facility AQ Identifier

14. Is there an air pollution control device/s on this emissions unit?

C Yes - answer a through i

• No - skip to question 15

Massachusetts Department of Environmental Protection Bureau of Air and Waste					Yea 55	r of Record	
Fuel Burning Device Emission Unit						119	PEU# 90564 ility AQ Identifier
15. Is there monitoring equip	ment on this e	missions unit or	its rela	ited control de	vices:		
C Yes - answer a through	1	🛈 No - s	kip to s	section B			
	Monitor 1			Monitor 2		Monitor 3	
a. Monitor type:	CEMs			CEMs		C CEMs	
u. montor type.	C opacity			C opacity		C opacity	
	C other			C other		C other	
	Describe			Describe		Describe	
b. Manufacturer:							
c. Model Number:							
d. Monitor ID #:	, 						
	Facility's De	gianation		Facility's Des	signation	Facility's Des	ignation
e. Installation Date:		signation			signation		
e. insunation Dute.	 (mm/dd/yyy	w)		l (mm/dd/yyyy	<i>d</i>)	(mm/dd/yyyy	
f. DEP Approval #:	(IIIII/dd/yyy	y)			())
g. DEP Approval Date:							
	(mm/dd/yyy	y)		(mm/dd/yyyy	()	(mm/dd/yyyy)
h. Decommission Date:							
	(mm/dd/yyy	y)		(mm/dd/yyyy	()	(mm/dd/yyyy)
i. Recorder?	🗘 yes	Ono		Oyes	© no	C yes	🗘 no
j. Audible Alarm?	Oyes	Ono		© yes	Ono	Oyes	Cno
k. Data System?	C yes	Ono		© yes	Ono	Oyes	Cno
l. Monitored Pollutants -	T PM 10			PM 10		T PM 10	
check all that apply:	TPM 2.5			PM 2.5		PM 2.5	
	\Box SO2			\Box SO2		\Box SO2	
				□ co		□ co	
	□ VOC			\Box VOC		□ VOC	
	□ NO2			□ NO2		□ NO2	
	∏ NH3			∏ NH3		□ NH3	
	☐ Mercury			Mercury		Mercury	
	C Oxygen			C Oxygen		C Oxygen	
	\Box CO2			\Box CO2		\Box CO2	
	H2S			H2S		H2S	
	HCL			□ HCL		HCL	
						C Opacity	
	C Other			Other		C Other	
			•		•		•
	Describe			Describe		Describe	

Massachusetts Department of En	nvironmental Protection	2021 Year of Record
Bureau of Air and Waste		55
Fuel Burning Device		DEP EU#
Emission Unit		1190564 Facility AQ Identifier
B. Fuels and Emissions		
 Fuel Name / Characteristics: Number of fuels for this unit (previous records): 1 	GENERATOR #1-CATERPILL	AR 558.5 KW #2 OIL-0.3 S
	Fuel Name	
	1 DEP Fuel #	
Add a NEW fuel: Check the box if you need to add a fuel that you did not report on previously (eDEP will add a blank Sect. B form to your package). Number of Additional Fuels :	Delete this fuel: check box if unit permanently. You must still amount is "0" – the fuel will be re report cycle.	report for this year of record even if
a. Source Classification Code (SCC):	20200102 SCC (call DEP if SCC will not v	validate)
	INTERNAL COMBUSTION EN DISTILLATE OIL (DIESEL) - RI	IGINES - INDUSTRIAL -
	SCC Description - filled by eDE	EP upon error check.
b. Type of fuel	DIESEL	Dennen einen eheele
c. Sulfur content for oils and coal (0-2.2%):	Fuel Description - filled by eDE	SP upon error cneck.
	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 • O no - skip to quest	tion 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 🔻
		Units
i. Short term use restriction (for this fuel):(amount or hours)	24	DAY
		Units
	Per	C C O O month week day hour
		month week day hour

Massachusetts Department of Environmental Protect	ction
Bureau of Air and Waste	

Fuel Burning Device Emission Unit

2021	
Year of Record	

55 DEP EU#

1190564 Facility AQ Identifier

2. Total actual fuel used for year of record:	0.8360	1000 GALLONS	-
(check your amount vs units and enter "0" if not used in the year of record)	a. Amount - year of record	b.Units	
	.304 1000 GALLO	NS	

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:	F PM 10-FIL	PM 2.5-FIL	PM-CON	SO2
Actual for previous	0.0065	0.0065		0.0060
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0178	0.0178		0.0166
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 Facto 💌			
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period	_			_
Basis DEP Approval				
number or regulation:]	



Fuel Burning Device Emission Unit

2021 Year of Record
55 DEP EU#
1190564 Facility AQ Identifier

Pollutant:	□ PB	□ VOC	□ NH3	Гсо
Actual for previous		0.0075		0.0198
year:	Tons	Tons	Tons	Tons
Actual for year of		0.0206		0.0543
record:	Tons	Tons	Tons	Tons
Potential emissions		8.2055		21.6372
	Tons	Tons	Tons	Tons
Emission Factor		49.30		130
in pounds per unit		1000 GALLONS		1000 GALLONS
Calculation Method	USEPA Emission Facto 💌			
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period		-	_	_
Basis DEP				
Approval number or				
regulation:				

Pollutant:		specify other pollutant
Actual for	0.0918	
previous year:	Tons	Tons
Actual for year of	0.2525	
record:	Tons	Tons
Potential emissions	100.5298	
	Tons	Tons
Emission Factor	604	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Facto 💌	USEPA Emission Facto
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short term:	Pounds	Pounds
Short term Period		
Basis DEP		
Approval number or		
regulation:		

Massachusetts Department of Environmental Protection Bureau of Air and Waste Fuel Burning Device Emission Unit	n 2021 Year of Record 55 DEP EU# 1190564 Facility AQ Identifier
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4. Ozone season emissions - May 1 through Sep	tember 30
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20.3515
b. Typical day NOx emissions - pounds per day

a. Typical day VOC emissions - pounds per day Check to enter your own values

1.6604

 \Box check to enter your own values

NOTE: The form will estimate the ozone season emissions for you. However, you may enter your own values by checking the boxes above.

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.



Fuel Burning Device Emission Unit

2021	
Year of Record	l

64

DEP EU#

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:	
2 LENNOX FURNACES SR 20Q5-140/154	
a. Facility's choice of emission unit name - edit as needed	
64	64
b. Facility's emission unit number / code - edit as needed	c. DEP emission unit #
d. ORIS ID # – for large electrical utilities only	e. Combined Units – enter number of individual units
3. Emission unit installation and decommission dates:	
06/01/1994	
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable
	Complete only if the unit was shut down permanently or replaced since the last report.
4. Emission Unit Replacement	
a. Is this unit, replacing another emission unit?	
• No • Ves - Enter DEP's emissions unit number and nam	ne for the unit being replaced from the drop-down list below:

b. DEP's Emission Unit Number and facility's emission unit name

Massachusetts Departu Bureau of Air and Fuel Burning Dev Emission Unit		ion 2021 Year of Record 64 DEP EU# 1190564 Facility AQ Identifier		
5. Equipment				
a. Equipment Type				
EPA Unit type code	FURNACE	▼		
EPA Unit Type (describe):	FURNACE			
If engine, is this an emergency generator?	C Yes C No			
If an emergency generator, please give the r operation:	umber of hours of operation during the	reporting year for each category of		
Emergency Use(hours)				
Non Emergency Use(hours)				
Maintenance and Readiness Testing(hours)				
LENNOX	SR20Q5-140			
b. Manufacturer	c. Model number			
0.3070	1			
d. Max Input Rating MMBtu/hr (must be greater th	e. Number of burners (enter "()" if not applicable)		
f. Types of burner - check one:	C rotary			
	• mech. atomizer			
	C steam atomizer			
	C air atomizer			
	C traveling grate			
	C hand fired			
	© Other			
	Specify "other" burner type			
BECKETT	AFG			
g. Burner Manufacturer	h. Burner Model number			
06/01/1995				
i.Burner Installation Date (mm/dd/yyyy)				
6. DEP approvals - leave blank if not applicable:				
a. Most recent approval number	b. DEP approval date (mm/dd	/уууу)		
7. Is this unit exempt under 310 CMR 7.02 Plan Appro	vals?			
8. If exempt from Plan Approval, indicate the reason for	or the exemption, from the drop-down list be	low. (e.g., cite a specific DEP regulation):		

below thresholds in 310 CMR 7.02 (2)(b) 7 and 15

•

X		etts Departm of Air and	nent of Envir <i>Waste</i>	ronmen	tal Protec	L	2021 Year of Record 64
	Fuel Bur Emission	ning Devi Unit	ce			i I	DEP EU# 1190564 Facility AQ Identifier
9. Additional St	ate Reporting Require	ements:					
	ther routine air qualit				nit? o question 9c	:	
Monthly	requency - check all t Quarte ating Permit and Plar	rly	Semi-annual		nnual	RES	
c. Is this unit : NESHAP	subject to (check all t	hat apply):		-			
10. Hours of op	eration for the emission	on unit:	□a.	check if co	ontinuously o	perated - 24 X 7 X	52
0		0			0		
b. Number of	hours per day	c. Number	of days per week	-	d. Numb	er of weeks per yea	ar
e. Percent of t	otal annual operation	that occurs in eac	h calendar quarter	c(0 or 0.1 -			
0.0	0.0	0.0	0.0			Q1+Q2+Q3+Q4 mu	
Q1	Q2	Q3	Q4		0r 0 11 t	ne unit was not op	erated for any quarter
11. Ozone seaso	on schedule - May 1 th	hrough September	30:				
0		0			0		
,	son hours per day		b. Ozone season days per week		c. Weeks operated in ozone season		
12. Emission Re	elease Point - select or	ne:	~ 1			lick here for instru	
Non-Stack I	Release Points:			Physical	Stacks:		
C fugitive			• vertical stack				
C horizont	C horizontal vent C vert		C vertic	ertical with rain cap/sleeve			
C engine e	xhaust						
C downwa	rd facing vent						
C vertical	stack/vent less than 1	Oft					
13. Link this uni	it to a physical stack (if applicable) - pi	ck from the list be	low:			

91 STACK-2 FURNACES - LENNOX

Facility's stack identifier from STACK form - to change stack name use the STACK form If the stack for this unit is not listed, save and exit this form now and complete a new Stack form before returning to this form. -



2021 Year of Record	
64 DEP EU#	

1190564 Facility AQ Identifier

14. Is there an air pollution control device/s on this emissions unit?

C Yes - answer a through i

• No - skip to question 15

Massachusetts Department of Environmental Protection Bureau of Air and Waste Fuel Burning Device Emission Unit						2021 Year of Record 64 DEP EU# 1190564 Facility AQ Identifier	
						nty ng ndentiner	
15. Is there monitoring equip				vices:			
C Yes - answer a through	1	🛈 No - sl	cip to section B				
	Monitor 1		Monitor 2		Monitor 3		
a. Monitor type:	© CEMs		© CEMs		© CEMs		
	C opacity		© opacity		© opacity		
	© other		© other		© other		
	Describe		Describe		Describe		
b. Manufacturer:							
c. Model Number:							
d. Monitor ID #:							
	Facility's De	esignation	Facility's Des	signation	Facility's Desi	ignation	
e. Installation Date:							
	ا (mm/dd/yyy	v)	(mm/dd/yyyy	7)	(mm/dd/yyyy))	
f. DEP Approval #:		57		,		,	
g. DEP Approval Date:							
g. DEF Appioval Date.	(/11/	``	(/11/	、 、			
h. Decommission Date:	(mm/dd/yyy	y)	(mm/dd/yyyy	')	(mm/dd/yyyy))	
II. Decommission Date.	((11)	`	(/11/	`		<u></u>	
i. Recorder?	(mm/dd/yyy		(mm/dd/yyyy		(mm/dd/yyyy)		
1. Recorder?	🗘 yes	Öno	© yes	Cno	Öyes	C no	
j. Audible Alarm?	🖸 yes	🔿 no	Öyes	Öno	Öyes	Ōno	
k. Data System?	C yes	Ōno	Cyes	Öno	©yes	Cno	
l. Monitored Pollutants -	T PM 10		PM 10		T PM 10		
check all that apply:	PM 2.5		PM 2.5		PM 2.5		
	\Box SO2		SO2		SO2		
	□ co				\Box co		
	\Box VOC						
	□ NO2		NO2		□ NO2		
	□ NH3		□ NH3		NH3		
	C Oxygen		Coxygen		Coxygen		
	\Box CO2				\Box CO2		
	H2S		H2S		H2S		
					HCL		
	C Opacity		Copacity		C Opacity		
	C Other		Other		Other		
	 Describe		Describe		Describe	•	

Massachusetts Department of Er	
Bureau of Air and Waste	Year of Record 64
Fuel Burning Device	04 DEP EU#
Emission Unit	1190564 Facility AQ Identifier
B. Fuels and Emissions	
1. Fuel Name / Characteristics: Number of fuels for this unit (previous records):	FURNACES #1(2)-LENNOX SR 20Q5 #2 OIL-0.3 SULPHUR
	Fuel Name
	1 DEP Fuel #
Add a NEW fuel: Check the box if you need to add a fuel that you did not report on previously (eDEP will add a blank Sect. B form to your package). Number of Additional Fuels :	Delete this fuel: check box if you stopped using this fuel in this unit permanently. You must still report for this year of record even if amount is "0" – the fuel will be removed from the unit in the next report cycle.
a. Source Classification Code (SCC):	10500105
	SCC (call DEP if SCC will not validate) EXTERNAL COMBUSTION - SPACE HEATERS - INDUSTRIAL - DISTILLATE OIL
b. Type of fuel	SCC Description - filled by eDEP upon error check.
	Fuel Description - filled by eDEP upon error check.
c. Sulfur content for oils and coal (0-2.2%):	.138 Percent by weight
d. Ash content for oils and coal(0- 10.0%):	0 Percent by weight
e. Maximum hourly fuel rate for all firing burners:(enter "0"if unit decommissioned prior to this year of record):	0.00221000 GALLONSAmountUnits per hour
f. Do you have fuel or usage restrictions?	• yes C no - skip to question 2
g. DEP approval number for fuel restrictions:	EXEMPT Most recent for this fuel
h. Annual usage restriction (for this fuel):(amount or hours)	19.27201000 GALLONSQuantityUnits
i. Short term use restriction (for this fuel):(amount or hours)	0.0022 1000 GALLONS Quantity Units Per O O O month week day hour

Massachusetts Department of Environmental Protection Bureau of Air and Waste Fuel Burning Device Emission Unit	2021 Year of Record 64 DEP EU# 1190564 Facility AQ Identifier
---	--

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 of record)	a. Amount - yea	ar of record	b.Units	
	0 100	00 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:	F PM 10-FIL	PM 2.5-FIL	PM-CON	□ SO2
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 Facto 💌			
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period	_	_	-	-
Basis DEP Approval				
number or regulation:		1	1	1



Fuel Burning Device Emission Unit

2021 Year of Record	
64 DEP EU#	
1100564	_

1190564 Facility AQ Identifier

Pollutant:	□ PB	□ VOC	□ NH3	Гсо
Actual for previous		0		0
year:	Tons	Tons	Tons	Tons
Actual for year of		0		0
record:	Tons	Tons	Tons	Tons
Potential emissions		0.0073		0.0482
	Tons	Tons	Tons	Tons
Emission Factor		0.76		5
in pounds per unit		1000 GALLONS		1000 GALLONS
Calculation Method	USEPA Emission Facto 💌			
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period		-	_	-
Basis DEP Approval number or regulation:				

Pollutant:		specify other pollutant
Actual for	0	
previous 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 Facto	USEPA Emission Facto
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short term:	Pounds	Pounds
Short term Period	-	
Basis DEP Approval number or regulation:		

X	Massachusetts Department of Environmental Protection Bureau of Air and Waste Fuel Burning Device Emission Unit	2021 Year of Record 64 DEP EU# 1190564 Facility AQ Identifier
-		

4. Ozone season emissions - May 1 through September 30
0

a. Typical day VOC emissions - pounds per day
Check to enter your own values

b. Typical day NOx emissions - pounds per day
Check to enter your own values

Check to enter your own values

NOTE: The form will estimate the ozone season emissions for you. However, you may enter your own values by checking the boxes above.

C. Notes and Attachments

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

THIS UNIT WAS NOT USED IN CALENDAR YEAR 2021

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.



Fuel Burning Device Emission Unit

2021
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rear of Reco

67 DEP EU# 1190564

•

11/00	0.		
Facility	AQ	Identifier	

A. Equipment Description

1. Facilitity Identifiers:	
CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839	1190564
b. DEP Account Number	c. Facility AQ Identifier
2. Emission Unit Identifiers:	
INDUSTRIAL OIL FURNACE LG14-225	
a. Facility's choice of emission unit name - edit as needed	
LG14	67
b. Facility's emission unit number / code - edit as needed	c. DEP emission unit #
	64
d. ORIS ID $\#$ – for large electrical utilities only	e. Combined Units - enter number of individual units
3. Emission unit installation and decommission dates:	
11/15/2015	
a.Installation Date - estimate if unknown (mm/dd/yyyy)	b. Decommission Date (mm/dd/yyyy) - if applicable
	Complete only if the unit was shut down permanently or replaced since the last report.
4. Emission Unit Replacement	
a. Is this unit, replacing another emission unit?	
• No • • Yes - Enter DEP's emissions unit number and nan	ne for the unit being replaced from the drop-down list below:

b. DEP's Emission Unit Number and facility's emission unit name

Massachusetts Depart Bureau of Air and Fuel Burning Dev	d Waste	nvironmei	ntal Protection	2021 Year of Record 67 DEP EU#
Emission Unit				1190564 Facility AQ Identifier
5. Equipment				
a. Equipment Type EPA Unit type code		FURNACE		•
EPA Unit Type (describe):		FURNACE		
If engine, is this an emergency generator?		C Yes	⊂ No	
If an emergency generator, please give the operation:	number of ho	ours of operat	ion during the reporting	ng year for each category of
Emergency Use(hours)				
Non Emergency Use(hours)				
Maintenance and Readiness Testing(hours)				
ALLIED AIR ENTERPRISES LLC (A LENNOX C	OMPANY)	LG-14-225/27	5840	
b. Manufacturer		c. Model num		
0.28		1		
d. Max Input Rating MMBtu/hr (must be greater	than 0)	e. Number of	burners (enter "0" if not	applicable)
f. Types of burner - check one:	© rotary			
	🛈 mech. at	tomizer		
	C steam at	tomizer		
	🔿 air atomi	izer		
	C traveling	g grate		
	C hand fire	ed		
	C Other			
	Specify "ot	ther" burner ty	pe	
BECKETT		230V-1-60		
g. Burner Manufacturer		h. Burner Mo	del number	
11/15/2015				
i.Burner Installation Date (mm/dd/yyyy)				
6. DEP approvals - leave blank if not applicable:				
a. Most recent approval number		b. DEP appro	val date (mm/dd/yyyy)	
7. Is this unit exempt under 310 CMR 7.02 Plan Appr • Yes C No	rovals?			
8. If exempt from Plan Approval, indicate the reason f	for the exempti	tion, from the d	rop-down list below. (e.g	g., cite a specific DEP regulation):

below thresholds in 310 CMR 7.02 (2)(b) 7 and 15

•

	Massachuse Bureau oj	-		ronmen	tal Protection	2021 Year of Record 67
N.	Fuel Burr Emission U	-	ice			DEP EU# 1190564 Facility AQ Identifier
9. Additional State I	Reporting Requiren	nents:				
	routine air quality reporting frequency				it? o question 9c	
C Monthly	ency - check all the Quarterly g Permit and Plan A		Semi-annual s, but not exceeda		nnual 🗖 RES	\$
c. Is this unit subj	ect to (check all tha □NSPS	tt apply):	,			
10. Hours of operati	on for the emission	unit:		check if c	ontinuously operated - 24 X	7 X 52
10		7			4	
b. Number of hou	rs per day	c. Numbe	er of days per weel	c .	d. Number of weeks pe	er year
e. Percent of total	annual operation th	at occurs in ea	ch calendar quarte	r(0 or 0.1 -	100):	
55.0	19.0	0.0	26		Sum of Q1+Q2+Q3+Q	
Q1	Q2	Q3	Q4		or 0 if the unit was no	ot operated for any quarter
11. Ozone season so	hedule - May 1 thr	ough Septembe	er 30:			
0		0			0	
a. Ozone season	hours per day		e season days per	week	c. Weeks operated in	ozone season
12. Emission Releas	1 0				Engines click here for in	
Non-Stack Rele	ase Points:			Physical	-	
C fugitive				C vertic	al stack	
C horizontal vent C vertical with rain cap/sleeve						
C engine exha	ıst					
C downward fa	acing vent					
C vertical stac	x/vent less than 10	ìt				
13. Link this unit to	a physical stack (if	`applicable) - p	ick from the list be	elow:		

91 STACK-2 FURNACES - LENNOX

Facility's stack identifier from STACK form - to change stack name use the STACK form If the stack for this unit is not listed, save and exit this form now and complete a new Stack form before returning to this form. -



2021 Year of Record	
67	_
DEP EU#	

1190564 Facility AQ Identifier

14. Is there an air pollution control device/s on this emissions unit?

C Yes - answer a through i

• No - skip to question 15

Massachusetts Department of Environmental Protection Bureau of Air and Waste Fuel Burning Device Emission Unit					ar of Record		
				11	P EU# 90564 ility AQ Identifier		
15. Is there monitoring equip	oment on this e	emissions unit or	its related control de	vices:			
C Yes - answer a through	n 1	🛈 No - s	kip to section B				
	Monitor 1		Monitor 2	Monitor 2			
a. Monitor type:	© CEMs		CEMs	© CEMs		© CEMs	
a. Wollton type.	C opacity		C opacity		C opacity	© opacity	
	C other		C other		C other		
	Describe		Describe		Describe		
b. Manufacturer:							
c. Model Number:							
d. Monitor ID #:	, 						
	 Facility's De	signation	Facility's Des	vignation	Facility's Des	ignation	
e. Installation Date:				Signation			
	 (mm/dd/yyy	v)	(mm/dd/yyyy	d)	(mm/dd/yyyy)	
f. DEP Approval #:	(IIIII/dd/yyy	y)))	
			I				
g. DEP Approval Date:							
	(mm/dd/yyyy)		(mm/dd/yyyy	(mm/dd/yyyy)		(mm/dd/yyyy)	
h. Decommission Date:							
	(mm/dd/yyy	y)	(mm/dd/yyyy	r)	(mm/dd/yyyy	r)	
i. Recorder?	🖸 yes	🔿 no	C yes	Ōno	© yes	C no	
j. Audible Alarm?	Oyes	Ono	Oyes	Ono	Oyes	Cno	
k. Data System?	Öyes	Öno	©yes	Ono	©yes	Ono	
1. Monitored Pollutants -	T PM 10		PM 10		PM 10		
check all that apply:	PM 2.5		PM 2.5		PM 2.5		
	□ SO2		SO2		SO2		
	□ NO2				NO2		
	□ NH3		□ NH3		□ NH3		
	Mercury				Mercury		
	CO2		CO2		CO2		
	□ CO2 □ H2S		\square H2S		\square H2S		
	TH25		THCL		TH25		
	Copacity				\square Opacity		
	Conter Other		Other				
						-	
	Describe		Describe		Describe		

Massachusetts Department of En		1
Bureau of Air and Waste		of Record
Fuel Burning Device	67 DEP	EU#
Emission Unit		0564
	Facil	lity AQ Identifier
B. Fuels and Emissions		
 Fuel Name / Characteristics: Number of fuels for this unit (previous records): 1 	NO. 2 OIL	
	Fuel Name	
	1	
	DEP Fuel #	
your package).	Delete this fuel: check box if you stopped usin unit permanently. You must still report for this ye amount is "0" – the fuel will be removed from the report cycle.	ar of record even if
a. Source Classification Code (SCC):	10200501	
	SCC (call DEP if SCC will not validate)	
	EXTERNAL COMBUSTION BOILERS - INDUS DISTILLATE OIL - GRADES 1 AND 2 - BOILER	
	SCC Description - filled by eDEP upon error che	eck.
b. Type of fuel	FUEL NO.2	
	Fuel Description - filled by eDEP upon error che	ck.
c. Sulfur content for oils and coal (0-2.2%):	.138	
1 A - L	Percent by weight	
d. Ash content for oils and coal(0- 10.0%):	0 Demonst hu unicht	
e. Maximum hourly fuel rate for all firing burners:(enter "0"if unit	Percent by weight	1
decommissioned prior to this year of record):	0.00031000 GALLONSAmountUnits per hour	•
f. Do you have fuel or usage restrictions?	○ yes • no - skip to question 2	
g. DEP approval number for fuel restrictions:		
5. DEr upproval hander för fåer restrictions.	Most recent for this fuel	
h Annual ware motivation (for this feel) (or ount or hours)		
h. Annual usage restriction (for this fuel):(amount or hours)		•
	Quantity Units	
i. Short term use restriction (for this fuel):(amount or hours)		•
	Quantity Units Per O O O	0
	month week day	
	-	

	Massachusetts Department of Environmental Protection
2	Bureau of Air and Waste

Fuel Burning Device Emission Unit

2021	
Year of Record	

67 DEP EU#

1190564 Facility AQ Identifier

2. Total actual fuel used for year of record:	0.8710	1000 GALLONS	•
(check your amount vs units and enter "0" if not used in the year of record)	a. Amount - year of record	b.Units	
	.364 1000 GALLO	NS	

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 PM 10-FIL	PM 2.5-FIL	PM-CON	□ SO2
Actual for previous	0.0002	0		0.0036
year:	Tons	Tons	Tons	Tons
Actual for year of	0.0004	0.0001		0.0085
record:	Tons	Tons	Tons	Tons
Potential emissions	0.0013	0.0003		0.0257
	Tons	Tons	Tons	Tons
Emission Factor	1	0.25		142
in pounds per unit	1000 GALLONS	1000 GALLONS		1000 GALLONS
Calculation Method	USEPA Emission Facto 💌	USEPA Emission Facto	USEPA Emission Facto	USEPA Emission Facto
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed emissions-short				
term:	Pounds	Pounds	Pounds	Pounds
Short term Period	_			_
Basis DEP Approval				
number or regulation:				



Fuel Burning Device Emission Unit

2021 Year of Record
67 DEP EU#
1190564 Facility AQ Identifier

Pollutant:	□ PB	□ VOC	□ NH3	Гсо
Actual for previous		0		0.0009
year:	Tons	Tons	Tons	Tons
Actual for year of		0.0001		0.0022
record:	Tons	Tons	Tons	Tons
Potential emissions		0.0003		0.0066
	Tons	Tons	Tons	Tons
Emission Factor		0.20		5
in pounds per unit		1000 GALLONS	•	1000 GALLONS
Calculation Method	USEPA Emission Facto 💌			
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed				
emissions-short term:	Pounds	Pounds	Pounds	Pounds
Short term Period	-	•	•	•
Basis DEP				
Approval number or				
regulation:				

Pollutant:		specify other pollutant
Actual for	0.0044	
previous year:	Tons	Tons
Actual for year of	0.0105	
record:	Tons	Tons
Potential emissions	0.0315	
	Tons	Tons
Emission Factor	24	
in pounds per unit	1000 GALLONS	
Calculation Method	USEPA Emission Facto 💌	USEPA Emission Facto
Max allowed		
emissions-annual:	Tons	Tons
Max allowed		
emissions-short term:	Pounds	Pounds
Short term Period	-	
Basis DEP Approval number or regulation:		

X	Massachusetts Department of Environmental Protection Bureau of Air and Waste Fuel Burning Device Emission Unit	2021 Year of Record 67 DEP EU# 1190564 Facility AQ Identifier

4. Ozone season emissions - May 1 through September 30

a. Typical day VOC emissions - pounds per day

b. Typical day NOx emissions - pounds per day

NOTE: The form will estimate the ozone season emissions for you. However, you may enter your own values by checking the boxes above.

0

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.



202	1
Year	of Record

5 DEP EU#

EP EU#

1190564 Facility AQ Identifier

•

A. Process Description

1. Facility Identifiers:	
--------------------------	--

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839	1190564
b. DEP Account Number	c. Facility AQ Identifier
Emission Unit Identifiers:	
2 DRUM CRUSHING LINES	
a. Facility's choice of emission unit name - edit as neede	ed
5	5
b. Facility's emission unit number / code - edit as neede	c. DEP emission unit #
 d. Combined Units – enter number of individual units Emission unit installation and decommission dates: 6/1/1986 	
a.Installation date - estimate if unknown (mm/dd/yyyy)	b. Decommission date (mm/dd/yyyy) - if applicable(mm/dd/yyyy)
	Complete only if the unit was shut down permanently or replaced since the last report.
Emission Unit Replacement	
a. Is this unit, replacing another emission unit?	
• No • Yes - Enter DEP's emissions unit number for	or the unit being replaced below:

b. DEP's Emission Unit Number and facility's unit name



Massachusetts Department of Environmental Protection Bureau of Air and Waste Process Emission Unit

2021	
Year of Record	

5 DEP EU#

1190564 Facility AQ Identifier

5.Equipment

CRUSHER	CRUSHER				
a.Equipment Type:	b.EPA Unit Type Code:				
GREENBECK	18 SWB				
c. Manufacturer	d. Model number				
6. DEP approvals - leave blank if not applicab MBR-87-IND-191	ble: 1/13/1988				
MBR-87-IND-191	1/13/1988				
a. Most recent approval number	b. DEP approval date (mm/dd/yyyy)				
7. Is this unit exempt under 310 CMR 7.02 Pl [©] Yes [©] No	lan Approvals ?				
	Massachusett Bureau of A Process Emission Unit		t of Environmenta te	ll Protection	2021 Year of Record 5 DEP EU# 1190564 Facility AQ Identifier
--	---	------------------------------------	--	-----------------------	---
9. Additional S	tate Reporting Requi	rements:			
	ther routine air qualit cify reporting frequer		irements for this emiss © No - Skip t		
☐ Monthly (include Ope c. Is this unit ☐ NESHAP	subject to (check all t	n Approval rep hat apply):	emi-annual $\mathbf{\nabla}$ An orts, but not exceedance	e reporting)	
	peration for this emiss			continuously operated	1 - 24 X / X 52
0		0		0	
b. Number of	f hours per day	c. Number of days per week d. Numb		d. Number of wee	ks per year
e. Percent of	total annual operatio	n that occurs in	each calendar quarter		
0.0	0.0	0.0	0.0		Q3+Q4 must = 100%
Q1	Q1 Q2		Q4	quarter	as not operated for any
11. Ozone seas	on schedule - May 1	through Septer	mber 30:	•	
0		0		0	
a. Ozone sea	son hours per day	b. Ozone season days per week		1	ed in ozone season
12. Emission R	elease Point - select		5 I	1	
Non-Stack	Release Points:		Physical Sta	cks:	
C fugitive			© vertical s	tack	
C horizont	al vent		© vertical v	vith rain cap/sleeve	
C goosene	ck				
C downwa	rd facing vent				
© vertical	stack/vent less than 1	Oft			
10 1 1 1					

13. Link this unit to a physical stack (if applicable) - pick from the list below:

5 2 DRUM CRUSHING LINES

Facility's stack identifier from STACK form - to change stack name use the STACK form If the stack for this unit is not listed, save and exit this form now and complete a new Stack form before returning to this form.

•



2021 Year of Record	
5 DEP EU#	
1190564 Facility AQ Identifier	

- 14. Air pollution control device/s on this emissions unit?
- 15. Monitoring Equipment on this emissions unit or its related control devices:

C Yes - answer a throug	gh l	No - skip to	section B			
	Monitor 1		Monitor 2		Monitor 3	
a. Monitor type:	© CEMs		© CEMs		© CEMs	
51	C opacity		© opacity		C opacity	
	© fuel flow r	neter	© fuel flow n	neter	© fuel flow m	eter
	© time recor	der	© time recor	der	© time record	ler
	C temperatu	re recorder	🔿 temperatu	re recorder	C temperatur	e recorder
	C pressure r	ecorder	O pressure		© pressure re	corder
	© other		© other		© other	
	Describe		Describe		Describe	
b. Manufacturer:						
c. Model Number:						
d. Monitor ID #:						
	Facility's Desi	ignation	Facility's Des	ignation	Facility's Desi	gnation
e. Installation Date:						
	(mm/dd/yyyy)	(mm/dd/yyyy)	(mm/dd/yyyy)	
f. DEP Approval #:						
g. DEP Approval Date:						
	(mm/dd/yyyy)	(mm/dd/yyyy)	(mm/dd/yyyy)	
h. Decommission Date:						
	(mm/dd/yyyy)	(mm/dd/yyyy)	(mm/dd/yyyy)	
i. Recorder	© yes	© no	© yes	C no	© yes	© no
j. Audible Alarm	© yes	© no	© yes	© no	© yes	© no
k. Data System?	© yes	C no	© yes	C no	© yes	C no



Massachusetts Department of Environmental Protection Bureau of Air and Waste Process Emission Unit

2021 Year of Record

5 DEP EU#

1190564 Facility AQ Identifier

Bur	eau of Air and Waste	Environmental Protection	2021 Year of Record 5 DEP EU# 1190564 Facility AQ Identifier
l. Monitored Pollutant	s - □ PM 10	PM 10	□ PM 10
check all that apply:	PM 2.5	□ PM 2.5	□ PM 2.5
	\Box SO2	\Box SO2	\Box SO2
	□ CO	□ CO	□ CO
	□ VOC	□ VOC	□ VOC
	□ NO2	□ NO2	□ NO2
	□ NH3	□ NH3	□ NH3
	☐ Mercury	☐ Mercury	Mercury
	Oxygen	□ Oxygen	☐ Oxygen
	□ CO2	\Box CO2	\Box CO2
	TH2S	TH2S	TH2S
	☐ HCL	☐ HCL	□ HCL
	C Opacity	C Opacity	Copacity
	□ Other	□ Other	□ Other
	•	-	
	Describe	Describe	Describe

Massachusetts Department of En Bureau of Air and Waste Process Emission Unit B.Emissions for Raw Materials/Finished Produ			2021 Year of Record 5 DEP EU# 1190564 Facility AQ Identifier
	Delete this material	/product: check b	ox if you stopped
	using this material or p must still report for thi - the material/product next report cycle.	s year of record e	ven if amount is "0"
1. Operation Description:			
a. Raw material or finished product name or Fuel Type:	IATERIAL		
Number of segments for this unit (previous records):			
1			
b. Is material/product an input or output ?	O O G input output fu	1	
c. Process Description	2 DRUM CRUSH	HING LINES	DRUMS
d. Source Classification code (SCC)	39999999		
	MANUFACTUR	ROCESSES - MI ING INDUSTRI US INDUSTRIA	SCELLANEOUS
	SCC Description -	filled by eDEP up	oon validation
e. Maximum process rate for material/product	120	TONS	•
	Amount	Units pe	r hour
f. If organic material, give percent by weight %, and if fuel, give percent by weight of Sulfer conten (0-2.2 percent)			
give percent by weight of build conten (6 2.2 percent)	VOC	HOC	
	НҮС	I	
g. Total actual raw material used /finished product or fuel for year of record:	0	TONS	•
Caution: check your amounts vs. units (Enter "0" if not used	Amount	Units	
in the year of record)	0 Total annual usage for prior year	or	
h. Do you have raw material or finished product restrictions?		ip to question 1.1	

Massachusetts Department of Env Bureau of Air and Waste Process Emission Unit	ironmental Protectio		2021 Year of Record 5 DEP EU# 1190564 Facility AQ Identifier
i. DEP approval number for restrictions:	Most recent approval nu	umber for th	is material or product
j. Short term raw material/finished product or fuel restriction (if none leave blank):			T
k. Annual material/finished product restriction (if none leave blank):	Quantity(Amount or how	urs) Units	–
facility- designated control device ID # for each unit that applies:	✓ Device ID # ✓ Device ID # ✓ Device ID # ✓ Device ID #	Device ID Device ID Device ID	▼ #

2. Total emissions for this material/product -	tons per year:
--	----------------

Pollutant:	PM 10-FIL	PM 2.5-FIL	PM-CON	SO2
Actual for previous				
year:	Tons	Tons	Tons	Tons
Actual for year of				
record:	Tons	Tons	Tons	Tons
Potential emissions				
	Tons	Tons	Tons	Tons
Emission Factor				
in pounds per unit	TONS	TONS	TONS	TONS
Calculation Method		_	_	
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed				
emissions-short term:	Pounds	Pounds	Pounds	Pounds
Short term Period		•		_
Basis DEP Approval				
number or regulation:			1	1

N.

Massachusetts Department of Environmental Protection *Bureau of Air and Waste* **Process** Emission Unit

2021 Year of Record
5 DEP EU#
1190564 Facility AQ Identifier

Pollutant:	РВ	VOC	NH3	СО
Actual for		0		
previous year:	Tons	Tons	Tons	Tons
Actual for year of		0.01		
record:	Tons	Tons	Tons	Tons
Potential		12		
emissions	Tons	Tons	Tons	Tons
Emission Factor		0.11		
in pounds per unit	TONS	TONS	TONS	TONS
Calculation Method	_	Engineering Judgme 💌		•
Max allowed				
emissions-annual:	Tons	Tons	Tons	Tons
Max allowed				
emissions-short term:	Pounds	Pounds	Pounds	Pounds
Short term Period	•	•	•	·
Basis DEP				
Approval number or		MBR-87-IND-191		
regulation:				



Massachusetts Department of Environmental Protection Bureau of Air and Waste Process Emission Unit

2021 Year of Record

5 DEP EU#

1190564 Facility AQ Identifier

Pollutant:	NO2	нос	specify other pollutant (ETHYLENEBIS(OXYETHYLENEN 🗸
Actual for previous year:	Tons	Tons	Tons
Actual for year of record:	Tons	Tons	Tons
Potential emissions	Tons	Tons	Tons
Emission Factor			
in pounds per unit	TONS	TONS	TONS
Calculation Method	•	•	
Max allowed emissions-annual:	Tons	Tons	Tons
Max allowed emissions-short term:	Pounds	Pounds	Pounds
Short term Period	_		
Basis DEP Approval number or regulation:			

Massachusetts Department of Environmental Protection Bureau of Air and Waste Process Emission Unit	2021 Year of Record 5 DEP EU# 1190564 Facility AQ Identifier
Process	5 DEP EU# 1190564

3. Ozone season emissions - May 1 through September	• 30
0	0
a. Typical ozone day VOC emissions - pounds per da	b. Typical ozone day NOx emissions - pounds per day
\square Check to enter your own values	\Box Check to enter your own values

NOTE: The form has estimated the emissions for you. However, you may enter your own values by checking the boxes above for VOC and NOx.

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

<i>Bure</i> BWP
BWP
Emiss

2021 Year of Record
8 DEP EU# (old Point#)

1190564 Facility AQ identifier

Complete one AP-4 for I A.Equipment Desci	•	anic material sto	orage tank.				
1. Facility identifiers :	-						
CLEAN HARBORS C	F BRAIN	FREE INC					
a.Facility Name							
34839	_		119	0564			
b.DEP Account Number c.Facility AQ identifier - SSEIS ID number							
2.Emission unit identifiers	:						
AG TANK A3-9,800 C	GAL						
a.Facility's choice of em	ission unit	name - edit as n	eeded				
8				8			
b.Facility's emission uni	t number /	code - edit as no	eeded	c.I	DEP emi	ssions unit # - SSEIS point #	
d.Combined units - enter	number of	individual units	5				
3.Emission unit installation	on and deco	mmission dates	:				
1/1/1986	_						
a.Installation Date - estir	nate if unkr	own (mm/dd/w	yaay) h De	commissi	ion Date	- estimate if unknown (mm/dd/yyyy)	
a.mstanation Date - esti			yyy) 0.DC	COIIIIIII35		- estimate ir unknown (nini/dd/yyyy)	
						nit was shut down permannently or	
			repla	ced since	e the last	report.	
4.Emission unit replacem	ent :						
a. Is this unit replacing		ssion unit ?					
⊙ No ⊖ Yes							
b.DEP's Emission Unit	Number an	d facility unit na	ame				
					\blacksquare		
5.Unit Descriptions :							
a.Description	b.Roof	© Floating	© Internal	Θ	Ō		
1	Туре	Roof	Roof	Fixed	Other	Specify other	
14.66	11.5		9800				
c.Height / Length - Fe		ameter- feet	p.	acity - ga	llons		
6.Construction :			T	<i>, </i>	-		
Steel Weld C Other v	veld 🖱 Rive	et 🙃 FiberGlass	🖱 Gunite				



Year of Record

8 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

CARBON BLACK

a.Name of material

b.CAS number if single chemical

10100300

c.SC Code for standing / breathing loss

EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION - PULVERIZED LIGNITE - BOILER, WET BOTTOM

d.SCC Code Description - filled by DEP upon validation

	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
0	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

a.Name of material	
b.CAS number if single chemical	c.SCC Code for standing / breathing loss
d.SCC Code Description - filled by DEP upon valida	ation
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record 8 DEP EU# (old Point#) 1190564 Facility AQ identifier

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

DID NOT USE IN 2021.

2. Attachments:

		Department of			ection		2021
Construction of the second sec	<i>reau of Air</i> 'P AQ AP-4	and Waste	- Air Qua	lity			Year of Record
	· ·	Organic Material	Storage				68 DEP EU# (old Point#)
		-	c				1190564 Facility AQ identifier
	EACH	• • • • • • •	. 1				
Complete one AP-4 fc A.Equipment Des	-	inic material sto	orage tank.				
1. Facility identifiers :	cription						
-		FDEE NIC					
CLEAN HARBORS a.Facility Name	OF BRAIN	I KEE INC					
-			L	100564			
34839			I	190564	· 1		1
b.DEP Account Num			C.I	acility AQ	identifie	r - SSEIS ID n	umber
2.Emission unit identifie	ers :						
AG TANK A7 - 9,50	00 GAL.						
a.Facility's choice of e	emission unit	name - edit as n	eeded				
12				68	8		
b.Facility's emission u	nit number /	code - edit as ne	eeded	c.I	DEP emi	ssions unit # - S	SSEIS point #
d.Combined units - en	ter number of	individual units	5				
3.Emission unit installa	tion and deco	mmission dates	:				
1/1/1986			L	.	: D-4-		1
a.Installation Date - es	umate 11 unkr	iown (mm/dd/y	ууу) б.	Jecommiss	ion Date	- esumate 11 un	known (mm/dd/yyyy)
			Co	mplete only	y if the u	nit was shut do	wn permannently or
			re	placed since	e the last	report.	
4 Emission unit ronloss	mont.						
 Emission unit replace a. Is this unit replacin 		ssion unit ?					
⊙ No ⊖ Yes	g another enni	SSIOII UIIIt ?					
b.DEP's Emission Ur	it Number an	d facility unit na	me				
					$\mathbf{\nabla}$		
1							
5.Unit Descriptions :							
a.Description	b.Roof	© Floating	© Interna		© Other		
	Туре	Roof	Roof	Fixed	Other	Specify other	r
17.25	12		95	00			

c.Height / Length - Feet d. Diameter- feet

e.Capacity - gallons

6.Construction :

 \odot Steel Weld \bigcirc Other weld \bigcirc Rivet \bigcirc FiberGlass \bigcirc Gunite



2021

Year of Record

68 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

PROCESS UNIT a.Name of material 872504 50300899 b.CAS number if single chemical c.SC Code for standing / breathing loss WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS d.SCC Code Description - filled by DEP upon validation 52 0.342 e.Vapor Pressure in PSI at 25 ° C f.Temperature - typical storage temp. in Farenheit 520 h.RVP - gasoline only g. Annual Throughput in gallons (enter 0 if not used) j.Oxygenate name - gasoline only i. Total oxygen percent - gasoline only 8. New Material Stored (enter new material if contents changed during year of record): PROCESS UNIT

50300899

a.Name of material

b.CAS	number	if single	e chen	nical
0.0110	mannoer	in onigh	• • • • • • • • •	noui

c.SCC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

1.04	52
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
184183	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record 68 DEP EU# (old Point#) 1190564 Facility AQ identifier

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

2. Attachments:

Massa	chusatte F	lengrtment of	Enviro	nment	al Proto	etion		
Massachusetts Department of Environmental Protection Bureau of Air and Waste - Air Quality								2021 Year of Record
BWP AQ AP-4							60	
Emission Unit - Organic Material Storage							DEP EU# (old Point#)	
								1190564 Facility AQ identifier
Complete one AP-4 for EA	ACH orga	nic material sto	orage tai	nk.				
A.Equipment Descri	ption							
1. Facility identifiers :								
CLEAN HARBORS OF	BRAINT	REE INC						
a.Facility Name								
34839	_			1190	564			
b.DEP Account Number				c.Faci	ility AQ i	identifier	- SSEIS ID n	umber
2.Emission unit identifiers :								
AG TANK B7- POLYC	LEFIN TA	ANKS WAST	EWATI	ER NO	VOCS			
a.Facility's choice of emis	sion unit n	ame - edit as n	eeded					
60					60			
b.Facility's emission unit	number / c	ode - edit as ne	eeded		c.D	EP emis	sions unit # - \$	SSEIS point #
d.Combined units - enter r	number of	individual units	5					
3.Emission unit installation	and decor	nmission dates	:					
3/1/2011	_							
a.Installation Date - estimation	ate if unkno	own (mm/dd/y	yyy)	b.Dec	ommissi	on Date	- estimate if un	known (mm/dd/yyyy)
				G		.0.1	·. • •	
				-	ced since			wn permannently or
4.Emission unit replacement	nt :							
a. Is this unit replacing an		sion unit?						
• No • Yes								
b.DEP's Emission Unit N	umber and	l facility unit na	ime					
5.Unit Descriptions :								
a.Description	b.Roof	© Floating	© Int	ernal	•	Ō		
-	Туре	Roof	Roof		Fixed	Other	Specify other	r
19.13	9.25			6506				
c.Height / Length - Feet	d. Dia	meter- feet		e.Capa	city - gal	lons		
6.Construction :								
○ Steel Weld ⊙ Other we	ld C River	t 🔿 FiberGlass	© Guni	ite				



2021

Year of Record

60 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

LIQUID WASTE a.Name of material 10100300 b.CAS number if single chemical c.SC Code for standing / breathing loss EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION - PULVERIZED LIGNITE -BOILER, WET BOTTOM d.SCC Code Description - filled by DEP upon validation 52 e.Vapor Pressure in PSI at 25 ° C f.Temperature - typical storage temp. in Farenheit 0 h.RVP - gasoline only g. Annual Throughput in gallons (enter 0 if not used) i. Total oxygen percent - gasoline only j.Oxygenate name - gasoline only 8. New Material Stored (enter new material if contents changed during year of record): a.Name of material b.CAS number if single chemical c.SCC Code for standing / breathing loss d.SCC Code Description - filled by DEP upon validation e.Vapor Pressure in PSI at 25° C f.Temperature - typical storage temp. in Farenheit g. Annual Throughput in gallons (enter 0 if not used) h.RVP - gasoline only i. Total oxygen percent - gasoline only j.Oxygenate name - gasoline only



2021 Year of Record 60 DEP EU# (old Point#) 1190564 Facility AQ identifier

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

DID NOT LIST ANNUAL THROUGHPUT. WASTE WATER TANK, NOT APPLICABLE TO HAP/ VOC.

2. Attachments:

Magnet Magnet	hugotta D	nontmont - P	F n - . :	n m a t	Ducto	otion		
Massachusetts Department of Environmental Protection Bureau of Air and Waste - Air Quality								2021 Year of Record
BWP A	Q ÅP-4		~					57
Emission Unit - Organic Material Storage							DEP EU# (old Point#)	
								1190564 Facility AQ identifier
Complete one AP-4 for EA	CH organ	ic material sto	rage tar	ık.				
A.Equipment Descrip	otion							
1. Facility identifiers :								
CLEAN HARBORS OF	BRAINTF	REE INC						
a.Facility Name								
34839				1190	564			
b.DEP Account Number				c.Faci	lity AQ i	identifie	- SSEIS ID n	umber
2.Emission unit identifiers :								
AG TANK B4- POLYO	LEFIN H	WASTEWAT	TER NC	VOCS	5			
a.Facility's choice of emiss	sion unit na	me - edit as n	eeded					
57					57			
b.Facility's emission unit n	number / co	de - edit as ne	eded		c.D	EP emis	sions unit # - S	SSEIS point #
d.Combined units - enter m	umber of ir	ndividual units						
3.Emission unit installation	and decom	mission dates	:					
3/1/2011								
a.Installation Date - estima	te if unknov	wn (mm/dd/yy	/уу)	b.Dec	ommissi	on Date	- estimate if un	known (mm/dd/yyyy)
				G		.0.1		
				-	ed since			wn permannently or
4.Emission unit replacemen	t:							
a. Is this unit replacing and	other emiss	ion unit ?						
© No 🔿 Yes								
b.DEP's Emission Unit Nu	umber and	facility unit na	me					
						\blacksquare		
5.Unit Descriptions :								
a.Description	o.Roof	© Floating	© Int	ernal	\odot	Ō		
]	Гуре	Roof	Roof		Fixed	Other	Specify other	r
19.25	9.25			6506				
c.Height / Length - Feet	d. Diar	neter- feet		e.Capa	city - gal	lons		
6.Construction :								
○ Steel Weld ⊙ Other well	d 🔿 Rivet	© FiberGlass	🖱 Guni	te				



202	21	
\$7	CD	

Year of Record

57 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

LIQUID WASTE a.Name of material 10100300 b.CAS number if single chemical c.SC Code for standing / breathing loss EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION - PULVERIZED LIGNITE -BOILER, WET BOTTOM d.SCC Code Description - filled by DEP upon validation 52 e.Vapor Pressure in PSI at 25 ° C f.Temperature - typical storage temp. in Farenheit 0 h.RVP - gasoline only g. Annual Throughput in gallons (enter 0 if not used) i. Total oxygen percent - gasoline only j.Oxygenate name - gasoline only 8. New Material Stored (enter new material if contents changed during year of record): a.Name of material b.CAS number if single chemical c.SCC Code for standing / breathing loss d.SCC Code Description - filled by DEP upon validation e.Vapor Pressure in PSI at 25° C f.Temperature - typical storage temp. in Farenheit g. Annual Throughput in gallons (enter 0 if not used) h.RVP - gasoline only i. Total oxygen percent - gasoline only j.Oxygenate name - gasoline only



2021 Year of Record	
57 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

DID NOT LIST ANNUAL THROUGHPUT. WASTE WATER TANK, NOT APPLICABLE TO HAP/ VOC.

2. Attachments:

Massa	chusatte D	enartment of	Fnvir	nmont	al Proto	ction			
	Massachusetts Department of Environmental Protection Bureau of Air and Waste - Air Quality							2021 Year of Record	
BWP A	AQ AP-4							54	
Emissio	on Unit - Or	rganic Material		DEP EU# (old Point#)					
	1190564 Facility AQ identifier								
Complete one AP-4 for E.	ACH organ	nic material sto	orage ta	nk					
A.Equipment Descri	•		10.8° m						
1. Facility identifiers :									
CLEAN HARBORS OF	BRAINT	REE INC							
a.Facility Name									
34839				1190	564				
b.DEP Account Number				c.Faci	ility AQ i	identifie	r - SSEIS ID n	umber	
2.Emission unit identifiers :									
AG TANK B2- POLY	OLEFIN T.	ANK WAST	EWAT	ER NO	VOCS				
a.Facility's choice of emis	ssion unit n	ame - edit as n	eeded						
54					54				
b.Facility's emission unit	number / c	ode - edit as ne	eded		c.D	EP emis	sions unit # -	SSEIS point #	
d.Combined units - enter	number of i	individual units							
3.Emission unit installation	and decon	nmission dates	:						
3/1/2011	_								
a.Installation Date - estim	ate if unkno	own (mm/dd/y	ууу)	b.Dec	ommissi	on Date	- estimate if ur	known (mm/dd/yyyy)	
				~					
				-	ed since			wn permannently or	
4.Emission unit replacement	nt ·								
a. Is this unit replacing ar		sion unit ?							
⊙ No ⊂ Yes									
b.DEP's Emission Unit N	Jumber and	facility unit na	me						
5.Unit Descriptions :									
a.Description	b.Roof	© Floating	© Int	ternal	\odot	C			
-	Туре	Roof	Roof		Fixed	Other	Specify other	r	
19.13	9.25			6506					
c.Height / Length - Feet	d. Dia	meter- feet		e.Capa	city - gal	lons			
6.Construction :									
○ Steel Weld ⊙ Other we	eld C Rivet	: 🔿 FiberGlass	© Gun	ite					



20 Year of Record

54 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

LIQUID WASTE a.Name of material 10100300 b.CAS number if single chemical c.SC Code for standing / breathing loss EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION - PULVERIZED LIGNITE -BOILER, WET BOTTOM d.SCC Code Description - filled by DEP upon validation 52 e.Vapor Pressure in PSI at 25 ° C f.Temperature - typical storage temp. in Farenheit 0 h.RVP - gasoline only g. Annual Throughput in gallons (enter 0 if not used) i. Total oxygen percent - gasoline only j.Oxygenate name - gasoline only 8. New Material Stored (enter new material if contents changed during year of record): a.Name of material b.CAS number if single chemical c.SCC Code for standing / breathing loss d.SCC Code Description - filled by DEP upon validation e.Vapor Pressure in PSI at 25° C f.Temperature - typical storage temp. in Farenheit g. Annual Throughput in gallons (enter 0 if not used) h.RVP - gasoline only i. Total oxygen percent - gasoline only j.Oxygenate name - gasoline only



2021 Year of Record 54 DEP EU# (old Point#) 1190564 Facility AQ identifier

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

DID NOT LIST ANNUAL THROUGHPUT. WASTE WATER TANK, NOT APPLICABLE TO HAP/ VOC.

2. Attachments:

lis-	h		F		-1 D (- 4 • -			
	Massachusetts Department of Environmental Protection 2021 Bureau of Air and Waste - Air Quality Year of Record								
BWP A	Q AP-4			53					
Emissio	Emission Unit - Organic Material Storage DEP EU# (old Point#)								
	1190564 Facility AQ identifier								
Complete one AP-4 for EA	ACH organi	c material sto	rage ta	nk.					
A.Equipment Descrip	ption								
. Facility identifiers :									
CLEAN HARBORS OF	BRAINTR	REE INC							
a.Facility Name									
34839				1190	564				
b.DEP Account Number				c.Faci	ility AQ i	identifier	- SSEIS ID n	umber	
2.Emission unit identifiers :									
AG TANK B1- POLYO	DLEFIN	WASTEWA	ATER 1	NO VO	CS				
a.Facility's choice of emis	sion unit na	me - edit as ne	eeded						
53					53				
b.Facility's emission unit	number / co	de - edit as ne	eded		c.D	EP emis	sions unit # - S	SSEIS point #	
d.Combined units - enter r	umber of in	dividual units							
3.Emission unit installation	and decom	mission dates							
3/1/2011	-								
a.Installation Date - estima	te if unknow	wn (mm/dd/yy	vyy)	b.Dec	ommissi	on Date ·	- estimate if un	known (mm/dd/yyyy)	
				Comm	1.4.0	:64h a			
				-	ced since			wn permannently or	
4.Emission unit replacemer	nt ·								
a. Is this unit replacing an		ion unit ?							
• No • Yes									
b.DEP's Emission Unit N	umber and f	facility unit na	me						
5.Unit Descriptions :									
	b.Roof	© Floating	© In	ternal	\odot	C			
-	Туре	Roof	Roof		Fixed	Other	Specify other	-	
19.13	9.25			6506					
c.Height / Length - Feet	d. Dian	neter- feet		e.Capa	city - gal	lons			
6.Construction :									
○ Steel Weld ⊙ Other we	ld 🔿 Rivet	• FiberGlass	🖱 Gun	ite					



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17	- fD

Year of Record

53 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

LIQUID WASTE a.Name of material 10100300 b.CAS number if single chemical c.SC Code for standing / breathing loss EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION - PULVERIZED LIGNITE -BOILER, WET BOTTOM d.SCC Code Description - filled by DEP upon validation 52 e.Vapor Pressure in PSI at 25 ° C f.Temperature - typical storage temp. in Farenheit 0 h.RVP - gasoline only g. Annual Throughput in gallons (enter 0 if not used) i. Total oxygen percent - gasoline only j.Oxygenate name - gasoline only 8. New Material Stored (enter new material if contents changed during year of record): a.Name of material b.CAS number if single chemical c.SCC Code for standing / breathing loss d.SCC Code Description - filled by DEP upon validation e.Vapor Pressure in PSI at 25° C f.Temperature - typical storage temp. in Farenheit g. Annual Throughput in gallons (enter 0 if not used) h.RVP - gasoline only i. Total oxygen percent - gasoline only j.Oxygenate name - gasoline only



2021 Year of Record	
53 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

DID NOT LIST ANNUAL THROUGHPUT. WASTE WATER TANK, NOT APPLICABLE TO HAP/ VOC.

2. Attachments:

1				. 1	4				
	achusetts E eau of Air		2021 Year of Record						
A CONTRACT OF A	AQ AP-4	ana maste	1111 21	sairty				52	
Emiss	sion Unit - O	rganic Material			DEP EU# (old Point#)				
	1190564 Facility AQ identifier								
Complete one AP-4 for	EACH orga	nic material sto	orage tan	ς.					
A.Equipment Desci	U		0						
. Facility identifiers :									
CLEAN HARBORS OF BRAINTREE INC									
a.Facility Name									
34839	_			1190564					
b.DEP Account Numbe	r			c.Facility	AQ i	dentifie	r - SSEIS ID n	umber	
2.Emission unit identifiers	5:								
AG TANK A12 (6,300) GAL), NC). 2 FUEL OIL	,						
a.Facility's choice of em	ission unit r	name - edit as n	eeded						
52					52				
b.Facility's emission un	it number / a	code - edit as n	eeded		c.D	EP emis	ssions unit # -	SSEIS point #	
d.Combined units - enter	r number of	individual units	5						
3.Emission unit installation	on and decor	nmission dates	:						
1/1/1985	_								
a.Installation Date - estir	nate if unkn	own (mm/dd/y	yyy)	b.Decomr	nissio	on Date	- estimate if ur	ıknown (mm/dd/yyyy)	
	Complete only if the unit was shut down permannently or replaced since the last report.							own permannently or	
				- F			I		
4.Emission unit replacem									
a. Is this unit replacing a	another emis	ssion unit?							
	• No C Yes b.DEP's Emission Unit Number and facility unit name								
5.Unit Descriptions :									
a.Description	b.Roof C Floating C Internal C C Type Roof Roof Fixed Other Specify other								
	Туре	1001			nu		Specify othe	r	
20	P P								
c.Height / Length - Fe	et d. Dia	ameter- feet	e	Capacity	- gall	lons			
6.Construction :			·	_					
C Steel Weld C Other v	veld 🔿 Rive	t 🖸 FiberGlass	© Gunite	e					



_

Massachusetts Department of Environmental Protection Bureau of Air and Waste - Air Quality BWP AQ AP-4 Emission Unit - Organic Material Storage

2021 Year of Record
52 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

NO.2		
a.Name of material		
68476302	40301021	
P	c.SC Code for standing / breathing loss	
CHEMICAL EVAPORATION - PETROLEUM PE ROOF TANKS (VARYING SIZES) - DISTILLAT d.SCC Code Description - filled by DEP upon valida	E FUEL #2: WORKING LOSS (TANK DIAMETER	- - -
0.09	52	-
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit	
12762		-
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only	
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only	
a.Name of material		
b.CAS number if single chemical	c.SCC Code for standing / breathing loss	
d.SCC Code Description - filled by DEP upon valida	tion	
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only]
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only	



2021 Year of Record
52 DEP EU# (old Point#)
1190564 Facility AQ identifier

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

2. Attachments:

Massac	husatta N	anartmant of	Fnvir	onmon	tal Prota	ction			
	Massachusetts Department of Environmental Protection 2021 Bureau of Air and Waste - Air Quality Year of Record								
BWP AC	Q ÅP-4		~		/			51	
Emission	Emission Unit - Organic Material Storage DEP EU# (old Point#)								
1190564 Facility AQ identifier									
Complete one AP-4 for EA	.CH orgai	nic material sto	orage ta	nk.					
A.Equipment Descrip	tion								
1. Facility identifiers :									
CLEAN HARBORS OF	BRAINT	REE INC							
a.Facility Name									
34839				119	0564				
b.DEP Account Number				c.Fac	cility AQ	identifie	r - SSEIS ID	number	
2.Emission unit identifiers :									
AG TANK A13 (4,000 G	AL), DIE	ESEL LOW SU	JLF						
a.Facility's choice of emiss	ion unit n	ame - edit as r	leeded						
51					51			_	
b.Facility's emission unit n	umber / c	ode - edit as n	eeded		c.D	EP emis	ssions unit # -	SSEIS point #	
d.Combined units - enter nu	umber of	individual unit	5						
3.Emission unit installation a	and decor	nmission dates	:						
1/1/1985									
a.Installation Date - estimat	te if unkno	own (mm/dd/y	yyy)	b.De	commissi	on Date	- estimate if u	nknown (mm/dd/yyyy)	
					plete only ced since			own permannently or	
4.Emission unit replacement									
a. Is this unit replacing and		sion unit ?							
• No © Yes	iner enns	Sion and :							
b.DEP's Emission Unit Nu	umber and	facility unit na	ame						
						-			
5.Unit Descriptions :						_			
	.Roof	C Floating	Ō In	ternal	Θ	C			
•	b.RoofO FloatingO InternalOTypeRoofRoofFixedOtherSpecify otherSpecify other								
25	7			4000					
c.Height / Length - Feet	d. Diameter- feet e.Capacity - gallons								
6.Construction :									
G Steel Weld C Other weld	d 🔿 River	FiberGlass	© Gur	nite					



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Massachusetts Department of Environmental Protection Bureau of Air and Waste - Air Quality BWP AQ AP-4 Emission Unit - Organic Material Storage

2021
Year of Record
I ear of Record

51 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

NO.2		
a.Name of material		
68334305	10100300	
b.CAS number if single chemical	c.SC Code for standing / breathing loss	
EXTERNAL COMBUSTION BOILERS - ELECT BOILER, WET BOTTOM		
d.SCC Code Description - filled by DEP upon valida	ition	
0.135	52	_
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit	
121252		_
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only	
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only	
a.Name of material		
b.CAS number if single chemical	c.SCC Code for standing / breathing loss	
d.SCC Code Description - filled by DEP upon valida	ntion	
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only	
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only	



2021 Year of Record	
51 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

2. Attachments:

Massac Burea BWP A
Emissio

2021 Year of Record
26 DEP EU# (old Point#)

1190564 Facility AQ identifier

Complete one AP-4 for EA A.Equipment Descrip	•	nic material sto	orage tank.					
1. Facility identifiers :								
CLEAN HARBORS OF	BRAINT	REE INC						
a.Facility Name								
34839			11	90564				
b.DEP Account Number			c.F	c.Facility AQ identifier - SSEIS ID number				
2.Emission unit identifiers :								
AG TANK A25 (1,000 C	iAL)							
a.Facility's choice of emiss	sion unit n	ame - edit as n	eeded					
26				2	6			
b.Facility's emission unit r	number / c	ode - edit as ne	eeded	c.	DEP emi	ssions unit # - SSEIS point #		
d.Combined units - enter n	umber of	individual units						
3.Emission unit installation	and decor	nmission dates	:					
1/1/1987			Г					
a.Installation Date - estima	te if unkno	own (mm/dd/yy	yyy) b.I	Decommiss	sion Date	- estimate if unknown (mm/dd/yyyy)		
				omplete on placed sinc	•	nit was shut down permannently or report .		
4.Emission unit replacemen	t•							
a. Is this unit replacing and		sion unit ?						
• No C Yes								
b.DEP's Emission Unit N	umber and	l facility unit na	me					
5.Unit Descriptions :								
	o.Roof	© Floating	C Interna		0			
-	Гуре	Roof	Roof	Fixed	Other	Specify other		
10.5	4		100)0		_		
c.Height / Length - Feet d. Diameter- feet			e.Ca	e.Capacity - gallons				
6.Construction :								

 \odot Steel Weld \bigcirc Other weld \bigcirc Rivet \bigcirc FiberGlass \bigcirc Gunite



2021

Year of Record

26 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

PROCESS UNIT

a.Name of material

b.CAS number if single chemical

50300899

c.SC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
0	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
I	
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

a.Name of material	
b.CAS number if single chemical	c.SCC Code for standing / breathing loss
d.SCC Code Description - filled by DEP upon valida	ation
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record	
26 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

THIS TANK WAS NOT USED IN CALENDAR YEAR 2021

2. Attachments:
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2021 Year of Record	
25 DEP EU# (old Point	#)
1190564 Facility AQ identifie	er

Complete one AP-4 for A.Equipment Desc	Ũ	nic material sto	orage tank.					
1. Facility identifiers :	*							
CLEAN HARBORS	OF BRAIN	TREE INC						
a.Facility Name								
34839			1	190564				
b.DEP Account Numb	er		c	Facility A	Q identifie	er - SSEIS ID number		
2.Emission unit identifier	rs :							
AG TANK A24 (2,40	0 GAL)							
a.Facility's choice of er	nission unit	name - edit as n	eeded					
25					25			
b.Facility's emission ur	nit number /	code - edit as ne	eeded	с	.DEP emi	issions unit # - SSEIS point #		
d.Combined units - ente	er number of	individual units	3					
3.Emission unit installati	ion and deco	mmission dates	:					
1/1/1983			Г					
a.Installation Date - esti	mate if unkn	own (mm/dd/w	vvv) h	Decommis	sion Date	e - estimate if unknown (mm/dd/yyyy)		
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
				-	•	init was shut down permannently or		
			TC I	eplaced sin	ce the last	l report.		
4.Emission unit replacen	nent :							
a. Is this unit replacing	another emi	ssion unit ?						
• No • Yes								
b.DEP's Emission Unit	t Number an	d facility unit na	ime					
					$\mathbf{\nabla}$			
5.Unit Descriptions :								
a.Description	b.Roof	© Floating	© Intern	al 💿	Ō			
	Туре	Roof	Roof	Fixed	d Other	Specify other		
10.5	7		24	400				
c.Height / Length - Fe	1	ameter- feet		e.Capacity - gallons				
6.Construction :								
© 0(1 ₩.11 © 0/1		4 C T1 C1	C					

 \odot Steel Weld \bigcirc Other weld \bigcirc Rivet \bigcirc FiberGlass \bigcirc Gunite



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Year of Record
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25 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

PROCESS UNIT

a.Name of material

b.CAS number if single chemical

50300899

c.SC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
0	
g. Annual Throughput in gallons (enter 0 if not used)	h RVP - gasoline only
g. Annual Throughput in ganons (chief o in not used)	
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

a.Name of material	
b.CAS number if single chemical	c.SCC Code for standing / breathing loss
d.SCC Code Description - filled by DEP upon valida	ation
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record	
25 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

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2021 Year of Record	
24 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

Complete one AP-4 for A.Equipment Desc	U	nic material sto	orage tank	-			
1. Facility identifiers :							
CLEAN HARBORS	OF BRAINT	TREE INC					
a.Facility Name							
34839				1190564	1		
b.DEP Account Number	er			c.Facility	AQ	identifie	r - SSEIS ID number
2.Emission unit identifier	s:						
AG TANK A23 (2,40	OGAL)						
a.Facility's choice of en	nission unit 1	name - edit as n	eeded				
24					24		
b.Facility's emission un	it number /	code - edit as ne	eeded		c.D	EP emis	ssions unit # - SSEIS point #
3.Emission unit installati 1/1/1983 a.Installation Date - esti			ууу)		e only	if the u	- estimate if unknown (mm/dd/yyyy) nit was shut down permannently or report .
4.Emission unit replacen a. Is this unit replacing	another emi		ıme			▼	
5.Unit Descriptions :							
a.Description	b.Roof Type	© Floating Roof	€ Inter Roof		ixed	C Other	Specify other
10.5	7			2400			
c.Height / Length - Fe	et d. Dia	ameter- feet	e	e.Capacity - gallons			
6.Construction :							

 \odot Steel Weld \bigcirc Other weld \bigcirc Rivet \bigcirc FiberGlass \bigcirc Gunite



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2021
2021
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Year of Record
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24 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

PROCESS UNIT

a.Name of material

b.CAS number if single chemical

50300899

c.SC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

0.03	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
0	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

a.Name of material	
b.CAS number if single chemical	c.SCC Code for standing / breathing loss
d.SCC Code Description - filled by DEP upon valida	ation
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record	
24 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

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2021 Year of Record	
23 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

Complete one AP-4 for A.Equipment Desc	-	inic material sto	orage tank				
1. Facility identifiers :	-						
CLEAN HARBORS	OF BRAIN	FREE INC					
a.Facility Name							
34839				1190564			
b.DEP Account Numb	er		(.Facility AQ	e identifie	er - SSEIS ID number	
2.Emission unit identifier	rs :						
AG TANK A22 (2,40	0 GAL)						
a.Facility's choice of er	nission unit	name - edit as n	eeded				
23				2	3		
b.Facility's emission ur	nit number /	code - edit as ne	eeded	c.	DEP emi	issions unit # - SSEIS point #	
d.Combined units - ente	er number of	individual units	5				
3.Emission unit installati	on and deco	mmission dates	:				
1/1/1983)	D	-: D-4-		
a.Installation Date - esti	mate II unkn	lown (mm/dd/y	ууу) і	Decommis	sion Date	e - estimate if unknown (mm/dd/yyyy)	
				Complete on replaced since	•	nit was shut down permannently or t report .	
4.Emission unit replacen	nent ·						
a. Is this unit replacing		ssion unit ?					
© No © Yes							
b.DEP's Emission Uni	t Number an	d facility unit na	ame				
					$\mathbf{\nabla}$		
5.Unit Descriptions :							
a.Description	b.Roof	© Floating	© Inter	nal 💿	Ō		
-	Туре	Roof	Roof	Fixed	Other	Specify other	
10.5	7		2	400			
1	c.Height / Length - Feet d. Diameter- feet			e.Capacity - gallons			
6.Construction :							
~ 0	11 o D'		- C ·				

⊙ Steel Weld ○ Other weld ○ Rivet ○ FiberGlass ○ Gunite



2021
Year of Record

23 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

PROCESS UNIT

a.Name of material

b.CAS number if single chemical

50300899

c.SC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
0	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

a.Name of material	
b.CAS number if single chemical	c.SCC Code for standing / breathing loss
d.SCC Code Description - filled by DEP upon valida	ation
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record	
23 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

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Bu	reau of Air	Department of and Waste			l Prote	ction		2021 Year of Record
	'P AQ AP-4 ission Unit - (Organic Materia	l Storage	e				18 DEP EU# (old Point#)
		0	e					1190564 Facility AQ identifier
Complete one AP-4 fo A.Equipment Des	-	anic material st	orage tai	nk.				
1. Facility identifiers :	L							
CLEAN HARBORS	OF BRAIN	TREE INC						
a.Facility Name								
34839				11905	64			
b.DEP Account Num	ber			c.Facili	ity AQ	identifie	r - SSEIS ID	number
2.Emission unit identifie	ers :							
AG TANK A17B - 7	'50 GAL							
a.Facility's choice of e		name - edit as r	needed					
18					18			
b.Facility's emission u	nit number /	code - edit as n	eeded		c.D	EP emi	ssions unit # ·	- SSEIS point #
d.Combined units - en	ter number of	findividual unit	S					
3.Emission unit installa	tion and deco	mmission dates	:					
1/1/1983								
a.Installation Date - es	timate if unkr	nown (mm/dd/y	ууу)	b.Deco	mmissi	on Date	- estimate if u	nknown (mm/dd/yyyy)
				-	-		nit was shut d report .	own permannently or
4.Emission unit replace	ment :							
a. Is this unit replacin		ssion unit?						
O No O Yes	0							
b.DEP's Emission Un	it Number an	d facility unit na	ame					
						\blacksquare		
5.Unit Descriptions :								
a.Description	b.Roof Type	© Floating Roof	© Int Roof		© Fixed	C Other	Specify oth	er

6.5 c.Height / Length - Feet

e.Capacity - gallons

700

6.Construction :

 \odot Steel Weld \bigcirc Other weld \bigcirc Rivet \bigcirc FiberGlass \bigcirc Gunite

4.83

d. Diameter- feet



2021

Year of Record

18 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

CARBON BLACK

a.Name of material

b.CAS number if single chemical

10100300

c.SC Code for standing / breathing loss

EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION - PULVERIZED LIGNITE - BOILER, WET BOTTOM

d.SCC Code Description - filled by DEP upon validation

	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
0	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

a.Name of material	
b.CAS number if single chemical	c.SCC Code for standing / breathing loss
d.SCC Code Description - filled by DEP upon valida	ation
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record	
18 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

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Ma	ussachusetts l	Department of	f Enviror	ımental P	rote	ction		2021
Bureau of Air and Waste - Air Quality								2021 Year of Record
BWP AQ AP-4 Emission Unit - Organic Material Storage							14 DEP EU# (old Point#)	
	Contraction of the organic Material Storage						1190564	
								Facility AQ identifier
Complete one AP-4 fo	or EACH orga	anic material sto	orage tanl	k.				
A.Equipment Des	scription							
. Facility identifiers :								
CLEAN HARBORS	S OF BRAIN	FREE INC						
a.Facility Name								
34839				1190564	Ļ			
b.DEP Account Num	lber			c.Facility	AQ	identifie	r - SSEIS ID	number
2.Emission unit identif	iers :							
AG TANK A9- 10	,000 GAL							
a.Facility's choice of	emission unit	name - edit as r	needed					
14					14	ŀ		
b.Facility's emission	unit number /	code - edit as n	eeded		c.D	DEP emi	ssions unit # -	SSEIS point #
d.Combined units - er	nter number of	individual unit	S					
B.Emission unit install	ation and deco	mmission dates	:					
3/1/2011								
a.Installation Date - ex	stimate if unbr	own (mm/dd/y	ww)	 h Decom	micci	on Date	- estimate if u	nknown (mm/dd/yyyy)
a.mstanation Date - C		own (mm/uu/y	<i>ууу)</i>	0.Dauiii	111221			aikiiowii (iiiii/dd/yyyy)
				1	2			own permannently or
				replaced	since	the last	report.	
Emission unit replace	ement :							
a. Is this unit replacir		ssion unit ?						
⊙ No ⊖ Yes		-						
b.DEP's Emission U	nit Number an	d facility unit na	ame					
		-				$\mathbf{\nabla}$		
5.Unit Descriptions :						_		
a.Description	b.Roof	© Floating	C Inte	rnal 🖸		0		
u.Description	Туре	Roof	Roof		xed	Other	Specify oth	er
11.5	11.2			10000				
c.Height / Length - 1		ameter- feet		Capacity	<u>-</u> 02	llons		
6.Construction :	u. Di	umour- 1001		.cupaeny	- ga	10115		

⊙ Steel Weld ○ Other weld ○ Rivet ○ FiberGlass ○ Gunite



2021

Year of Record

14 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

PROCESS UNIT

a.Name of material

b.CAS number if single chemical

50300899 c.SC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

1.04	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
516563	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
<u> </u>	
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

CARBON BLACK	
a.Name of material	
	10100300
b.CAS number if single chemical	c.SCC Code for standing / breathing loss
EXTERNAL COMBUSTION BOILERS - LIGNITE - BOILER, WET BOTTOM	- ELECTRIC GENERATION - PULVERIZED
d.SCC Code Description - filled by DEP up	oon validation
1.04	
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
448196	
g. Annual Throughput in gallons (enter 0 if n	not used) h.RVP - gasoline only

i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record	
14 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

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Massa	achusetts D	epartment of	Enviro	onment	al Prote	ction		
Massachusetts Department of Environmental Protection Bureau of Air and Waste - Air Quality								2021 Year of Record
BWP	AQ AP-4							13
Emiss	Emission Unit - Organic Material Storage							DEP EU# (old Point#)
								1190564 Facility AQ identifier
Complete one AP-4 for I	EACH orga	nic material sto	orage tai	nk.				
A.Equipment Descr	iption							
1. Facility identifiers :								
CLEAN HARBORS O	F BRAINT	REE INC						
a.Facility Name								
34839				1190	564			
b.DEP Account Number	r			c.Faci	ility AQ	identifier	r - SSEIS ID r	number
2.Emission unit identifiers	:							
AG TANK A8 - 10,000	GAL TAN	IK						
a.Facility's choice of em	ission unit n	ame - edit as n	eeded					
13					13			
b.Facility's emission uni	t number / c	ode - edit as ne	eeded		c.D	EP emis	ssions unit # -	SSEIS point #
d.Combined units - enter	number of	individual units						
3.Emission unit installatio	n and decor	nmission dates	:					
3/1/2011	_							
a.Installation Date - estin	nate if unkno	own (mm/dd/y	ууу)	b.Dec	ommissi	on Date	- estimate if u	nknown (mm/dd/yyyy)
			/					
				1	olete only ced since			own permannently or
4.Emission unit replaceme	ent :							
a. Is this unit replacing a		sion unit ?						
• No © Yes								
b.DEP's Emission Unit	Number and	facility unit na	me					
5.Unit Descriptions :								
a.Description	b.Roof	© Floating	© Int	ternal	0	Ō		
-	Туре	Roof	Roof		Fixed	Other	Specify othe	er
18.5	11.2			10000)		_	
c.Height / Length - Fee		meter- feet		,	city - gal	lons		
6.Construction :								
🖸 Steel Weld 🔿 Other w	veld 🔿 Rive	: © FiberGlass	© Guni	ite				



2021
Year of Record

13 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

PROCESS UNIT

a.Name of material

b.CAS number if single chemical

50300899

c.SC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

0.39	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
313303	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

a.Name of material	
b.CAS number if single chemical	c.SCC Code for standing / breathing loss
d.SCC Code Description - filled by DEP upon valida	ntion
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record
13 DEP EU# (old Point#)
1190564 Facility AQ identifier

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

2. Attachments:

 \Box Check here to submit attachments to this form . For attachments that cannot be sent electronically , please list all such attachments in notes above and deliver them to DEP with a paper copy of this form.

ГЪл	hurste P	on out	E		al D 4	ation		
Burea	u of Air	epartment of and Waste ·				ction		2021 Year of Record
	.Q AP-4 m Unit - Oi	rganic Material	Storage	2				11 DEP EU# (old Point#)
							1190564	
				Facility AQ identifier				
Complete one AP-4 for EA	U	nic material sto	orage tai	nk.				
A.Equipment Descrip	puon							
1. Facility identifiers :								
CLEAN HARBORS OF	BRAINT	REE INC						
a.Facility Name	-			1100				
34839				1190		1		1
b.DEP Account Number				c.Faci	ility AQ	Identifie	r - SSEIS ID n	umber
2.Emission unit identifiers :								
AG TANK A6- 9,500 C								
a.Facility's choice of emis	sion unit n	ame - edit as n	eeded					_
11					11			
b.Facility's emission unit	number / c	ode - edit as ne	eeded		c.D	EP emis	ssions unit # -	SSEIS point #
d.Combined units - enter r	number of i	ndividual units	5					
3.Emission unit installation	and decon	nmission dates	:					
3/1/2011								
a.Installation Date - estima	te if unkno	own (mm/dd/y	yyy)	b.Dec	ommissi	on Date	- estimate if ur	ıknown (mm/dd/yyyy)
				1	olete only ced since			wn permannently or
4.Emission unit replacemen	nt :							
a. Is this unit replacing an	other emis	sion unit ?						
🛈 No 🔿 Yes								
b.DEP's Emission Unit N	umber and	facility unit na	me					
5.Unit Descriptions :								
a.Description	b.Roof	C Floating	© Int	ernal	\bigcirc	C		
	Туре	Roof	Roof		Fixed	Other	Specify othe	r
17.25	12			9500				
c.Height / Length - Feet	d. Dia	meter- feet		,	city - gal	lons		
6.Construction :								
⊙ Steel Weld ○ Other we	ld C Rivet	© FiberGlass	© Gun	ite				



2021	
Year of Re	ecord

11 DEP EU# (old Point#)

1190564 Facility AQ identifier

7. Material Stored (at start of year) :

PROCESS UNIT

a.Name of material

b.CAS number if single chemical

50300899 c.SC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

0.03	52
e.Vapor Pressure in PSI at 25 ° C	f.Temperature - typical storage temp. in Farenheit
285711	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only

8. New Material Stored (enter new material if contents changed during year of record):

PROCESS UNIT	
a.Name of material	

50300899

b.CAS	number	if single	chemical
0.0110	mannoon	ii singic	enenneur

c.SCC Code for standing / breathing loss

WASTE DISPOSAL - SOLID WASTE DISPOSAL - INDUSTRIAL - TREATMENT, STORAGE, DISPOSAL/TSDF - GENERAL: FUGITIVE EMISSIONS

d.SCC Code Description - filled by DEP upon validation

0.03	52
e.Vapor Pressure in PSI at 25° C	f.Temperature - typical storage temp. in Farenheit
0	
g. Annual Throughput in gallons (enter 0 if not used)	h.RVP - gasoline only
i. Total oxygen percent - gasoline only	j.Oxygenate name - gasoline only



2021 Year of Record	
11 DEP EU# (old Point#)	
1190564 Facility AQ identifier	

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

2. Attachments:

 \Box Check here to submit attachments to this form . For attachments that cannot be sent electronically , please list all such attachments in notes above and deliver them to DEP with a paper copy of this form.



Complete one AP-STACK form for EACH physical stack at the facility

A. Stack Description:

1. Faciltity identifiers:

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839	1190564
b. DEP Account number	c. AQ identifier

2. Stack identifiers:

STACK #1- INCINERATOR #1-VENT-O-MATIC	
a. Facility's choice of stack name - edit as needed	
1	1
b. Facility's stack number - edit as needed	c. DEP stack #

3. Type: a. revertica	I C vertical with rain cap/sleeve b. Combined individual sta	acks:
4. Dimensions:	185	1.2
	Height in feet above the ground (1 - 1300)	Internal Diameter in feet (0.01 - 300)
5. Gas Exit Velocity:	21	21
	Low end - feet per second (0.06 - 1000)	High end - feet per second (0.06 - 1000)
6. Exit Temperature:	240	240
	Low end - Fahrenheit (50 - 4000)	High end - Fahrenheit (50 - 4000)
7. Stack Liner Material:	• Metal • Brick Refractory • OTHER	Describe Other

8. Decommission Date - if applicable:

(mm/dd/yyyy) Complete only if the stack was permanently removed



2021 Year of Record 1 DEP Stack # 1190564 Facility AQ identifier

B. Emission Units Associated with Stack

Below is a list of the emission units associated with this stack. This list is for information only - no data entry is required; make any changes on the forms for each emission unit (i.e., AP1, AP2, or AP3). Note: this list does not reflect changes you have made on-line, but not yet submitted.



2021
Year of Record
1
DEP Stack #
1190564
Facility AQ identifier

C. Notes and Attachments

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

INCINERATOR #1-VENT-O-MATIC WAS NOT OPERATED IN 2021. ON APRIL 3,1998 CHBI DISCONNECTED THE FUEL SUPPLY AND ELECTRICITY LINES THAT SUPPLIED THE INCINERATOR, AND WELDED THE INCINERATOR CHARGIND DOOR SHUT.

2. Attachments:

Check here to submit attachments to this form (e.g., calculations). For eDEP on-line filers, this will create a new step

on your Current Submittals Page where you will attach electronic files to your submittal. For attachments that **cannot** be sent electronically, please list all such attachments below and deliver them to DEP with a paper copy of this form.



Complete one AP-STACK form for EACH physical stack at the facility

A. Stack Description:

1. Facility identifiers:

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839	1190564
b. DEP Account number	c. AQ identifier

2. Stack identifiers:

10
c. DEP stack #

3. Type: a. revertica	1 • vertical with rain cap/sleeve b. Combined individual state	stacks-enter number of
4. Dimensions:	18	1
	Height in feet above the ground (1 - 1300)	Internal Diameter in feet (0.01 - 300)
5. Gas Exit Velocity:	15	15
	Low end - feet per second (0.06 - 1000)	High end - feet per second (0.06 - 1000)
6. Exit Temperature:	70	70
	Low end - Fahrenheit (50 - 4000)	High end - Fahrenheit (50 - 4000)
7. Stack Liner	G Metal ○ Brick Refractory ○ OTHER	
Material:		Describe Other
8. Decommission Dat	e - if applicable:	

(mm/dd/yyyy) Complete only if the stack was permanently removed



2021 Year of Record 10 DEP Stack # 1190564 Facility AQ identifier

B. Emission Units Associated with Stack

Below is a list of the emission units associated with this stack. This list is for information only - no data entry is required; make any changes on the forms for each emission unit (i.e., AP1, AP2, or AP3). Note: this list does not reflect changes you have made on-line, but not yet submitted.

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2021
Year of Record
10
DEP Stack #
1190564
Facility AQ identifier

C. Notes and Attachments

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

THIS ROOM IS USED TO PUMP WASTE FLAMMABLE LIQUIDS AND OTHER HAZARDOUS WATSTE LIQUID DRUMS.

2. Attachments:

Check here to submit attachments to this form (e.g., calculations). For eDEP on-line filers, this will create a new step

on your Current Submittals Page where you will attach electronic files to your submittal. For attachments that **cannot** be sent electronically, please list all such attachments below and deliver them to DEP with a paper copy of this form.



Complete one AP-STACK form for EACH physical stack at the facility

A. Stack Description:

1. Faciltity identifiers:

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839	1190564
b. DEP Account number	c. AQ identifier

2. Stack identifiers:

STACK #2- COLUMBIA BOILER, NO. 2 FUEL OIL	
a. Facility's choice of stack name - edit as needed	
2	2
b. Facility's stack number - edit as needed	c. DEP stack #

3. Type: a. 💿 vertica	al C vertical with rain cap/sleeve b. Combined individual sta	d stacks-enter number of acks:
4. Dimensions:	35	1
	Height in feet above the ground (1 - 1300)	Internal Diameter in feet (0.01 - 300)
5. Gas Exit Velocity:	50	50
	Low end - feet per second (0.06 - 1000)	High end - feet per second (0.06 - 1000)
6. Exit Temperature:	212	212
	Low end - Fahrenheit (50 - 4000)	High end - Fahrenheit (50 - 4000)
7. Stack Liner	• Metal • Brick Refractory • OTHER	
Material:		Describe Other

8. Decommission Date - if applicable:

(mm/dd/yyyy) Complete only if the stack was permanently removed



2021 Year of Record 2 DEP Stack # 1190564 Facility AQ identifier

B. Emission Units Associated with Stack

Below is a list of the emission units associated with this stack. This list is for information only - no data entry is required; make any changes on the forms for each emission unit (i.e., AP1, AP2, or AP3). Note: this list does not reflect changes you have made on-line, but not yet submitted.

EU#2-COLUMBIA, 2.091 MMBTU/HR, NO. 2 FUEL OIL-0.3 S



2021
Year of Record
2
DEP Stack #
1190564
Facility AQ identifier

C. Notes and Attachments

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

THE HURST BOILER WAS REPLACED BY THE COLUMBIA BOILER IN 2018.

2. Attachments:

Check here to submit attachments to this form (e.g., calculations). For eDEP on-line filers, this will create a new step

on your Current Submittals Page where you will attach electronic files to your submittal. For attachments that **cannot** be sent electronically, please list all such attachments below and deliver them to DEP with a paper copy of this form.



Complete one AP-STACK form for EACH physical stack at the facility

A. Stack Description:

1. Faciltity identifiers:

CLEAN HARBORS OF BRAINTREE INC	
a. Facility Name	
34839 1190564	
b. DEP Account number c. AQ identifier	

2. Stack identifiers:

1 STACK - BOILER #1-CLEAVER BROOKS, NO 2 FUEL OIL	
a. Facility's choice of stack name - edit as needed	
3	3
b. Facility's stack number - edit as needed	c. DEP stack #

3. Type: a. 💿 vertical 🔿 vertical with rain cap/sleeve b. Combined stacks-enter number of

	individual stacks:		
4. Dimensions:	35	1	
	Height in feet above the ground (1 - 1300)	Internal Diameter in feet (0.01 - 300)	
5. Gas Exit Velocity:	47	47	
	Low end - feet per second (0.06 - 1000)	High end - feet per second (0.06 - 1000)	
6. Exit Temperature:	450	450	
	Low end - Fahrenheit (50 - 4000)	High end - Fahrenheit (50 - 4000)	
7. Stack Liner	Metal O Brick Refractory O OTHER		
Material:		Describe Other	

8. Decommission Date - if applicable:

(mm/dd/yyyy) Complete only if the stack was permanently removed



2021 Year of Record 3 DEP Stack # 1190564 Facility AQ identifier

B. Emission Units Associated with Stack

Below is a list of the emission units associated with this stack. This list is for information only - no data entry is required; make any changes on the forms for each emission unit (i.e., AP1, AP2, or AP3). Note: this list does not reflect changes you have made on-line, but not yet submitted.

EU#3-CLEAVER BROOKS BOILER (NO.2 FUEL OIL, 0.3S)



2021 Year of Record	
3 DEP Stack #	
1190564 Facility AQ identifier	

C. Notes and Attachments

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

CONVERTED THE CLEAVER BROOKS BOILER FROM A HIGH PRESSURE TO A LOW PRESSURE BOILER IN SEPTEMBER 2009. WORK PERFORMED BY NEW ENGLAND INDUSTRIAL BOILER.

2. Attachments:

Check here to submit attachments to this form (e.g., calculations). For eDEP on-line filers, this will create a new step

on your Current Submittals Page where you will attach electronic files to your submittal. For attachments that **cannot** be sent electronically, please list all such attachments below and deliver them to DEP with a paper copy of this form.



Complete one AP-STACK form for EACH physical stack at the facility

A. Stack Description:

1. Faciltity identifiers:

CLEAN HARBORS OF BRAINTREE INC		
a. Facility Name		
34839	1190564	
b. DEP Account number	c. AQ identifier	

2. Stack identifiers:

2 DRUM CRUSHING LINES		
a. Facility's choice of stack name - edit as needed		
5	5	
b. Facility's stack number - edit as needed	c. DEP stack #	

3. Type: a. 🕞 vertica	al C vertical with rain cap/sleeve b. Combined individual sta	d stacks-enter number of
4. Dimensions:	54	1.3
	Height in feet above the ground (1 - 1300)	Internal Diameter in feet (0.01 - 300)
5. Gas Exit Velocity:	54	54
	Low end - feet per second (0.06 - 1000)	High end - feet per second (0.06 - 1000)
6. Exit Temperature:	60	60
	Low end - Fahrenheit (50 - 4000)	High end - Fahrenheit (50 - 4000)
7. Stack Liner	Metal O Brick Refractory O OTHER	
Material:		Describe Other

8. Decommission Date - if applicable:

(mm/dd/yyyy) Complete only if the stack was permanently removed



2021 Year of Record 5 DEP Stack # 1190564 Facility AQ identifier

B. Emission Units Associated with Stack

Below is a list of the emission units associated with this stack. This list is for information only - no data entry is required; make any changes on the forms for each emission unit (i.e., AP1, AP2, or AP3). Note: this list does not reflect changes you have made on-line, but not yet submitted.

EU#5-2 DRUM CRUSHING LINES

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2021 Year of Record 5 DEP Stack # 1190564 Facility AQ identifier

C. Notes and Attachments

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

2. Attachments:

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Complete one AP-STACK form for EACH physical stack at the facility

A. Stack Description:

1. Faciltity identifiers:

CLEAN HARBORS OF BRAINTREE INC		
a. Facility Name		
34839	1190564	
b. DEP Account number	c. AQ identifier	

2. Stack identifiers:

1 STACK GENERATOR (2)- CUMMINS AND CATERPILLAR		
a. Facility's choice of stack name - edit as needed		
7	7	
b. Facility's stack number - edit as needed	c. DEP stack #	

3. Type: a. • vertica	al 🗘 vertical with rain cap/sleeve b. Combined individual sta	d stacks-enter number of
4. Dimensions:	12	0.8
	Height in feet above the ground (1 - 1300)	Internal Diameter in feet (0.01 - 300)
5. Gas Exit Velocity:	32	32
	Low end - feet per second (0.06 - 1000)	High end - feet per second (0.06 - 1000)
6. Exit Temperature:	1150	1150
	Low end - Fahrenheit (50 - 4000)	High end - Fahrenheit (50 - 4000)
7. Stack Liner	• Metal • Brick Refractory • OTHER	
Material:		Describe Other

8. Decommission Date - if applicable:

(mm/dd/yyyy) Complete only if the stack was permanently removed



2021 Year of Record 7 DEP Stack # 1190564 Facility AQ identifier

B. Emission Units Associated with Stack

Below is a list of the emission units associated with this stack. This list is for information only - no data entry is required; make any changes on the forms for each emission unit (i.e., AP1, AP2, or AP3). Note: this list does not reflect changes you have made on-line, but not yet submitted.

EU#50-CUMMINS GENERATOR #2 (NT855G2, DIESEL)

EU#55-CATERPILLAR GENERATOR #1



2021 Year of Record 7 DEP Stack # 1190564 Facility AQ identifier

C. Notes and Attachments

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

2. Attachments:

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