

Massachusetts Department of Environmental Protection

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Username: MICHAELC68

Transaction ID: 1210786

Document: AQ Source Registration Package (SR)

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Status of Transaction: Submitted

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AP Stack - Transaction #1210786

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Massachusetts Department of Environmental Protection Bureau of Waste Prevention - Air Quality BWP AQ AP-STACK Physical Vertical Stacks 2019 Year of Record 2 DEP Stack # 1190564 Facility AQ identifier

Exit

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

A. Stack Description:

1. Faciltity identifiers:

a. Facility Name			
34839		1190564	
b. DEP Account numb	per	c. AQ ider	tifier
. Stack identifiers:			
STACK #2- COLUMBIA E	BOILER, NO. 2 FUEL OIL		
a. Facility's choice of	stack name - edit as needed		
2		2	
b. Facility's stack nun	ber - edit as needed	c. DEP sta	ack #
		0. DEI 30	
Type: a. 🕞 vertica	I C vertical with rain cap/sleeve	_	stacks-enter number of individual
_	I C vertical with rain cap/sleeve	b. Combined stacks:	stacks-enter number of individual
Type: a. 🕞 vertica	I C vertical with rain cap/sleeve	b. Combined stacks:	stacks-enter number of individual
. Type: a. 🔽 vertica	I C vertical with rain cap/sleeve	b. Combined stacks:	stacks-enter number of individual
Type: a. 🕞 vertica	C vertical with rain cap/sleeve 35 Height in feet above the ground (b. Combined stacks:	stacks-enter number of individual 1 Internal Diameter in feet (0.01 - 300)
. Type: a. 🔽 vertica	 C vertical with rain cap/sleeve 35 Height in feet above the ground (50 	b. Combined stacks:	stacks-enter number of individual 1 Internal Diameter in feet (0.01 - 300) 50
. Type: a.	I Image: C vertical with rain cap/sleeve 35 Height in feet above the ground (50 Low end - feet per second (0.06	b. Combined s stacks: (1 - 1300) - 1000)	stacks-enter number of individual 1 Internal Diameter in feet (0.01 - 300) 50 High end - feet per second (0.06 - 1000)
. Type: a.	C vertical with rain cap/sleeve 35 Height in feet above the ground (50 Low end - feet per second (0.06 212	b. Combined s stacks: (1 - 1300) - 1000)	stacks-enter number of individual 1 Internal Diameter in feet (0.01 - 300) 50 High end - feet per second (0.06 - 1000) 212

8. Decommission Date - if applicable:

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

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-HURST, 2.091 MMBTU/HR, NO. 2 FUEL OIL-0.3 S

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

Physical Vertical Stacks

2019 Year of Record 2

DEP Stack #

1190564

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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.

BWP AQ AP-STACK

Physical Vertical Stacks

2019	
Year of Record	
2	
DEP Stack #	
1190564	

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.

AP Stack - Transaction #1210786

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Massachusetts Department of Environmental Protection Bureau of Waste Prevention - Air Quality BWP AQ AP-STACK Physical Vertical Stacks 2019 Year of Record 3 DEP Stack # 1190564 Facility AQ identifier

Exit

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 C vertical with rain cap/sleeve	b. Combined stacks-enter number of individual stacks:
4. Dimensions: 35	1

3. Type: a.	vertical C vertical with rain cap/sleeve	b. Combined stacks-enter number of individual stacks:	
4. Dimensions:	35 Height in feet above the ground (1	1 1 - 1300) Internal Diameter in feet (0.01 -	300)
5. Gas Exit Veloci	ty: 47 Low end - feet per second (0.06 -	47 1000) High end - feet per second (0.06)	i - 1000)
6. Exit Temperatu	re: 450 Low end - Fahrenheit (50 - 4000)	450 High end - Fahrenheit (50 - 4000))
7. Stack Liner Ma	terial: G Metal C Brick Refractory	© OTHER Describe Other	

8. Decommission Date - if applicable:

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

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)

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

Physical Vertical Stacks

2019 Year of Record

3 DEP Stack #

1190564

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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.

BWP AQ AP-STACK

Physical Vertical Stacks

2019	
Year of Record	
3	
DEP Stack #	
1190564	

2. Attachments:

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AP Stack - Transaction #1210786

Print

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Massachusetts Department of Environmental Protection Bureau of Waste Prevention - Air Quality BWP AQ AP-STACK Physical Vertical Stacks 2019 Year of Record 5 DEP Stack # 1190564 Facility AQ identifier

Exit

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

A. Stack Description:

1. Faciltity identifiers:

a. Facility Name			
34839		1190564	
b. DEP Account num	ber	c. AQ ident	ifier
Stack identifiers:			
2 DRUM CRUSHING LIN	ES		
a. Facility's choice of	stack name - edit as needed		
5		5	
b. Facility's stack nur	nber - edit as needed	c. DEP sta	ck #
Type: a. 🕞 vertica	al C vertical with rain cap/sleeve	b. Combined s	tacks-enter number of individual
		stacks:	
Dimensions:	54	→ stacks:	1.3
Dimensions:	54 Height in feet above the ground (1.3 Internal Diameter in feet (0.01 - 300)
Dimensions: Gas Exit Velocity:			
	Height in feet above the ground ((1 - 1300)	Internal Diameter in feet (0.01 - 300)
	Height in feet above the ground ((1 - 1300)	Internal Diameter in feet (0.01 - 300)
Gas Exit Velocity:	Height in feet above the ground (54 Low end - feet per second (0.06	(1 - 1300) - 1000)	Internal Diameter in feet (0.01 - 300) 54 High end - feet per second (0.06 - 1000)
Gas Exit Velocity:	Height in feet above the ground (54 Low end - feet per second (0.06 60 Low end - Fahrenheit (50 - 4000	(1 - 1300) - 1000)	Internal Diameter in feet (0.01 - 300) 54 High end - feet per second (0.06 - 1000) 60

8. Decommission Date - if applicable:

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

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.

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

Physical Vertical Stacks

2019 Year of Record

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DEP Stack #

1190564

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C. Notes and Attachments

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

NO DRUMS CRUSHED IN 2019

BWP AQ AP-STACK

Physical Vertical Stacks

2019
Year of Record
5
DEP Stack #
1190564

2. Attachments:

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AP Stack - Transaction #1210786

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Massachusetts Department of Environmental Protection Bureau of Waste Prevention - Air Quality BWP AQ AP-STACK Physical Vertical Stacks 2019 Year of Record 7 DEP Stack # 1190564 Facility AQ identifier

Exit

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

A. Stack Description:

1. Faciltity identifiers:

1190564
c. AQ identifier

1 STACK GENERATOR	(2)- CUMMINS AND CATERPILLAR			
a. Facility's choice of	stack name - edit as needed			
7		7		
b. Facility's stack nun	nber - edit as needed	c. DEP stack	#	
3. Type: a. 💽 vertica		o. Combined stac stacks:	cks-enter number of individual	
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 - 10	000)	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 Material:	Metal O Brick Refractory		accribe Other	
		D	escribe Other	

8. Decommission Date - if applicable:

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

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	

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

Physical Vertical Stacks

2019 Year of Record

7

DEP Stack #

C. Notes and Attachments

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

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BWP AQ AP-STACK

Physical Vertical Stacks

2019
Year of Record
7
DEP Stack #
1190564

2. Attachments:

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AP Stack - Transaction #1210786

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Massachusetts Department of Environmental Protection Bureau of Waste Prevention - Air Quality BWP AQ AP-STACK Physical Vertical Stacks 2019 Year of Record 9 DEP Stack # 1190564 Facility AQ identifier

Exit

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

A. Stack Description:

1. Faciltity identifiers:

 En a little a Nilla and a 			
a. Facility Name			
34839		1190564	
b. DEP Account numb	ber	c. AQ identi	fier
. Stack identifiers:			
1 STACK-2 FURNACES	- LENNOX		
a. Facility's choice of	stack name - edit as needed		
9		9	
b. Facility's stack nun	nber - edit as needed	c. DEP stac	ж#
	C vertical with rain cap/sleeve	b. Combined st stacks:	acks-enter number of individual
	28	stacks:	0.6
. Type: a. 🔽 vertica	·	stacks:	Ţ. Ţ
	28	stacks:	0.6
. Dimensions:	28 Height in feet above the ground (1	stacks: - 1300)	0.6 Internal Diameter in feet (0.01 - 300)
. Dimensions:	28 Height in feet above the ground (1	stacks: - 1300)	0.6 Internal Diameter in feet (0.01 - 300)
. Dimensions: . Gas Exit Velocity:	28 Height in feet above the ground (1 15 Low end - feet per second (0.06 -	stacks: - 1300)	0.6 Internal Diameter in feet (0.01 - 300) 15 High end - feet per second (0.06 - 1000)
. Dimensions: . Gas Exit Velocity:	28 Height in feet above the ground (1 15 Low end - feet per second (0.06 - 200	stacks: - 1300)	0.6 Internal Diameter in feet (0.01 - 300) 15 High end - feet per second (0.06 - 1000) 200

8. Decommission Date - if applicable:

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

B. Emission Units Associated with Stack

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EU#64-2 LENNOX FURNACES SR 20Q5-140/154
EU#LG14-INDUSTRIAL OIL FURNACE LG14-225

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

Physical Vertical Stacks

2019 Year of Record 9

DEP Stack #

1190564

C. Notes and Attachments

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

THIS UNIT WAS REMOVED FROM SERVICE IN 2009,

THE 2 LENNOX FURANCES WERE REMOVED FROM BUILDING 6 IN SEPTEMBER 2015. THE NEW LG14 FURANCE WAS INSTALLED IN NOVEMBER 2015 AND BUT INTO SERVICE IN DECEMBER 2015. THE LG14 FURNACE VENTS OUT THE SAME STACK AS THE OLD FURANCES.

BWP AQ AP-STACK

Physical Vertical Stacks

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2. Attachments:

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