



A Woman Owned Business Enterprise

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May 23, 2022

Ms. Denise Grattan, Env. Analyst 2
NYSDEC Region 2
Division of Environmental Permits
47-40 21st Street, 1 Hunters Point Plaza
Long Island City, New York, NY 11101-5401

**Subject: Queens Fresh Meadows Facility
Application for an Air State Facility Permit**
**Re: [1] Title V Air Permit ID#: 2-6306-00071/00003
Effective Date: 8/29/2017; Expiration Date: 8/28/2022
[2] Notice of Incomplete Application [for Title V permit renewal] – 5/2/2022
Batch # 746262
[3] D. Grattan e-mail to R. Rao dated 5/6/2022
[4] C. Johnson e-mail to D. Grattan dated 5/10/2022**

Dear Ms. Grattan:

The Queens Fresh Meadows Facility [QFM] previously submitted a renewal application for its current ATV permit [reference 1] and received a NOI [reference 2] primarily because the submitted application did not include a NYS Professional Engineer Certification and CO₂e emission rate. The facility has solicited Terranext's services in this matter [reference 4].

The facility has recently reviewed its annual fuel consumption for the eleven-year period from 2011 through 2021 and has concluded it qualifies to opt out of its ATV permit [reference 1], and instead operate under an Air State Facility [ASF] permit.

This letter, with associated attachments, presents the "Air State Facility [ASF] application for the subject facility. Attachment 1 is the application, certified by the responsible official and a NYS licensed professional engineer. Attachment 2 includes Tables 1, 2, 3, 4A, 4B, 5, 6A, 6B, 7, and 8, which present the heat input rating of the boilers, historical annual fuel consumption rates of the facility, and calculated PTE and actual emissions rates for various air contaminants. Attachment 3 presents a list of exempt activities. Attachment 4 presents "Methods Used to Determine Compliance".

In the ASF application, the emission unit definition of emission sources, emission points, processes, and building designations remain the same as the current ATV. The facility under an ASF permit will continue the firing of natural gas as the primary fuel with distillate #2 oil as the secondary fuel.

Table 1 presents the facility's combustion equipment ratings, annual fuel consumptions, and annual capacity factors. Tables 2 and 3 present, respectively, a summary of the annual PTE and actual emission rates of the criteria pollutants in tons. Table 4A presents the individual hazardous air pollutants PTE and actual emission rates firing natural gas fuel. The actual emission rates in Table 4A are based upon the maximum annual natural gas consumption rate for the period of years 2011 through 2021 [year 2019]. Table 4B presents the individual hazardous air pollutants PTE and actual emission rates firing distillate #2 oil fuel. The actual emission rates in Table 4B are based upon the maximum annual #2-oil consumption rate for the period of years 2011 through 2021 [year 2014]. Table 5 presents the calculated persistent, bio-accumulative or toxic compounds emission rates. Emission rates in Tables 4A, 4B and 5 are based upon US EPA AP-42 emission factors and the boiler rating. Table 6A presents the actual CO₂equivalent emission rate. This actual rate is based on the average annual fuel consumption rates of natural gas and #2-oil for the period from 2011 through 2021. Table 6B presents the PTE CO₂equivalent emission rate. This PTE rate is based on the PTE natural gas hourly rate shown in Table 1 for 8760 hours per year. Table 7 presents the annual fuel consumption rates and calculated annual NO_x emission rates. The facility records its natural gas fuel consumption in "therms" units and #2-oil in gallons. Table 7 converts the "therms" units to million SCF gas. EPA emission factors are used to calculate associated NO_x emissions. Table 8 also presents the annual fuel consumption for the eleven-year period including a graphical presentation. While gas consumption appears steady, #2-oil spiked in 2014 and 2015. More recently, #2 oil annual consumption has returned to a more consistent trend.

As shown in Table 2, the facility PTE for NO_x emissions is 68.9 tons firing natural gas or 100.36 tons firing #2 oil designating the facility a "major source". However, as shown in Table 3, the maximum actual NO_x annual emission rate during the eleven-year period is 17.25 tons. This rate is based on the maximum natural gas firing rate that occurred in 2019 and the maximum oil firing rate that occurred in 2014. This calculated NO_x annual rate is 1.55 tons greater than the maximum actual annual rate shown in Table 7, 15.7 tons NO_x. Based upon the review and analysis of the facility's fuel consumption record, it qualifies for opting out of the ATV and operating under an ASF permit for the future.

The certified application included as Attachment 1, includes continuation pages 2A, 4A, 5A-1, 5A-2, and 8A. Page 7 of the application is blank as this information is presented in more detail by Tables 4A and 4B. The ERP rate is equivalent to the PTE rate since there is no post combustion emission control technology associated with the boilers.

Attachment 3 presents the list of exempt activities of the facility. Attachment 4 presents the methods used to determine compliance.

After your review of the application, please advise if the application is deemed complete and acceptable for issuing an ASF permit as a replacement for renewing the ATV permit.

If you have any questions, please feel free to contact me at (732) 377-2040 or by e-mail at rrao@terranext.net.

Very truly yours,
Terranext, LLC



Richard Rao
Regional Director – NE Operations

Attachments:

- 1 Air State Facility Application – Queens Fresh Meadows
- 2 Associated Tables:
 - Table 1 – Queens Fresh Meadows Equipment Ratings / Fuel Consumption,
 - Table 2 – Queens Fresh Meadows., Facility-Wide PTE Rates
 - Table 3 – Queens Fresh Meadows, Actual Emissions –2011 / 2021
 - Table 4A – QFM PTE and Max Actual Emission Estimates – Gas Firing
 - Table 4B – QFM PTE and Max Actual Emission Estimates – Oil Firing
 - Table 5 – PBT Compound Emission Rates – Gas Firing at Actual Level
 - Table 6A – GHG Emissions – Actual 2011/2021 Average [Gas & Oil Firing]
 - Table 6B – GHG Emissions – PTE Gas Firing
 - Table 7 –Annual Fuel Consumption Gas & #2 Oil, 2011 – 2021
 - Table 8- Annual Fuel Consumption Gas & Oil, 2011-2021 with trend
- 3 List of Exempt Sources
- 4 Methods Used to Determine Compliance

cc:

Mr. Christopher Johnson, Chief Engineer, Queens Fresh Meadows. w/Attachments
Mr. Reda Salib, NYS Professional Engineer

Attachment 1

Queens Fresh Meadows

Facility ID# 2-6306-00071/00003

Air State Facility Permit Application

New York State Department of Environmental Conservation

Air Permit Application



Department of
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DEC ID									
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Application ID													
-					-					/			

Application Type	
<input checked="" type="checkbox"/> State Facility	<input type="checkbox"/> Title V

Section I - Certification

Certification	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information required to complete this application, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.	
Responsible Official	Title
Signature	Date

Professional Engineer Certification	
I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.	
Professional Engineer	NYS License No.
Signature	Date

Section II - Identification Information

Type of Permit Action Requested	
<input type="checkbox"/> New <input type="checkbox"/> Renewal <input type="checkbox"/> Significant Modification <input type="checkbox"/> Administrative Amendment <input type="checkbox"/> Minor Modification <input type="checkbox"/> Application for the construction of a new facility <input type="checkbox"/> Application involves the construction of new emission unit(s)	

Facility Information	
Name	
Location Address	
<input type="checkbox"/> City / <input type="checkbox"/> Town / <input type="checkbox"/> Village	Zip

Owner/Firm Information		Business Taxpayer ID	
Name			
Street Address			
City	State/Province	Country	Zip
Owner Classification: <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Municipal <input type="checkbox"/> Corporation/Partnership <input type="checkbox"/> Individual			

Owner/Firm Contact Information			
Name		Phone	
E-mail Address		Fax	
Affiliation		Title	
Street Address			
City	State/Province	Country	Zip

Facility Contact Information			
Name		Phone	
E-mail Address		Fax	
Affiliation		Title	
Street Address			
City	State/Province	Country	Zip

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DEC ID										
2	-	6	3	0	6	-	0	0	7	1

Application ID																	
2	-	6	3	0	6	-	0	0	0	7	1	/	0	0	0	0	3

Application Type	
<input checked="" type="checkbox"/> State Facility	<input type="checkbox"/> Title V

Section I - Certification

Certification	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information required to complete this application, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.	
Responsible Official Christopher Johnson	Title Chief Engineer
Signature	Date 5/23/2022
Professional Engineer Certification	
I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.	
Professional Engineer Reda Salib	NYS License No. 056189
Signature	Date 5/19/2022

Section II - Identification Information

Type of Permit Action Requested	
<input checked="" type="checkbox"/> New	<input type="checkbox"/> Renewal
<input type="checkbox"/> Significant Modification	<input type="checkbox"/> Administrative Amendment
<input type="checkbox"/> Minor Modification	<input type="checkbox"/> Application for the construction of a new facility
<input type="checkbox"/> Application involves the construction of new emission unit(s)	
Facility Information	
Name Queens Fresh Meadows Facility	
Location Address 67-10 192nd Street	
* City / Town / Village Fresh Meadows,	Zip 11365
Owner/Firm Information	
Name Queens Fresh Meadows LLC	
Street Address 188-02 64th Avenue	
City Fresh Meadows	State/Province NY
Country USA	Zip 11365
Owner Classification: Federal	State
Municipal	* Corporation/Partnership
Individual	
Owner/Firm Contact Information	
Name Christopher Johnson	Phone 718-454-6700 x 5544
E-mail Address ChristopherJ@cammebys.com	Fax 718-454-0234
Affiliation Fresh Meadows Development LLC	Title Chief Engineer
Street Address 67-10 192nd Street	
City Fresh Meadows	State/Province NY
Country USA	Zip 11365
Facility Contact Information	
Name Christopher Johnson	Phone 718-454-6700 x 5544
E-mail Address ChristopherJ@cammebys.com	Fax 718-454-0234
Affiliation Fresh Meadows Development LLC	Title Chief Engineer
Street Address 67-10 192nd Street	
City Fresh Meadows	State/Province NY
Country USA	Zip 11365

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Project Description	<input type="checkbox"/> Continuation Sheet(s)

Section III - Facility Information

Facility Classification					
<input type="checkbox"/> Hospital	<input type="checkbox"/> Residential	<input type="checkbox"/> Educational/Institutional	<input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial	<input type="checkbox"/> Utility

Affected States (Title V Applications Only)	
<input type="checkbox"/> Vermont <input type="checkbox"/> Massachusetts <input type="checkbox"/> Rhode Island <input type="checkbox"/> Pennsylvania Tribal Land: _____ <input type="checkbox"/> New Hampshire <input type="checkbox"/> Connecticut <input type="checkbox"/> New Jersey <input type="checkbox"/> Ohio Tribal Land: _____	

SIC Code(s)			NAICS Code(s)			

Facility Description	<input type="checkbox"/> Continuation Sheet(s)

Compliance Statements (Title V Applications Only)
<p>I certify that as of the date of this application the facility is in compliance with all applicable requirements. <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If one or more emission units at the facility are not in compliance with all applicable requirements at the time of signing this application (the 'NO' box must be checked), the noncomplying units must be identified in the "Compliance Plan" block on page 8 of this form along with the compliance plan information required. For all emission units at the facility that are operating <u>in compliance</u> with all applicable requirements, complete the following:</p> <p><input type="checkbox"/> This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those emission units referenced in the compliance plan portion of this application.</p> <p><input type="checkbox"/> For all emission units subject to any applicable requirements that will become effective during the term of the permit, this facility will meet such requirements on a timely basis.</p> <p><input type="checkbox"/> Compliance certification reports will be submitted at least once per year. Each report will certify compliance status with respect to each applicable requirement, and the method used to determine the status.</p>

Facility Applicable Federal Requirements										<input type="checkbox"/> Continuation Sheet(s)
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause	

Facility State Only Requirements										<input type="checkbox"/> Continuation Sheet(s)
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause	

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Section III - Facility Information

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Facility Compliance Certification										<input type="checkbox"/> Continuation Sheet(s)
Rule Citation										
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause	
<input type="checkbox"/> Applicable Federal Requirement			<input type="checkbox"/> Capping		CAS Number		Contaminant Name			
<input type="checkbox"/> State Only Requirement										
Monitoring Information										
<input type="checkbox"/> Work Practice Involving Specific Operations <input type="checkbox"/> Ambient Air Monitoring <input type="checkbox"/> Record Keeping/Maintenance Procedures										
Compliance Activity Description										
Work Practice Type Code	Process Material				Reference Test Method					
	Code	Description								
Monitored Parameter					Manufacturer's Name/Model Number					
Code	Description									
Limit			Limit Units							
Upper	Lower		Code	Description						
Averaging Method			Monitoring Frequency				Reporting Requirements			
Code	Description		Code	Description		Code	Description			

Facility Emissions Summary				<input type="checkbox"/> Continuation Sheet(s)
CAS Number	Contaminant Name	Potential to Emit (tons/yr)	Actual Emissions (pounds/yr)	
ONY075 - 00 - 5	PM-10			
ONY750 - 02 - 5	PM-2.5			
007446 - 09 - 5	Sulfur Dioxide			
ONY210 - 00 - 0	Oxides of Nitrogen			
000630 - 08 - 0	Carbon Monoxide			
007439 - 92 - 1	Lead (elemental)			
ONY998 - 00 - 0	Total Volatile Organic Compounds			
ONY100 - 00 - 0	Total Hazardous Air Pollutants			
ONY750 - 00 - 0	Carbon Dioxide Equivalents			

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Section IV - Emission Unit Information

Emission Unit Description										<input type="checkbox"/> Continuation Sheet(s)
Emission Unit	-									

Building Information					<input type="checkbox"/> Continuation Sheet(s)
Building ID	Building Name	Length (ft)	Width (ft)	Orientation	

Emission Unit	Emission Unit Emissions Summary				<input type="checkbox"/> Continuation Sheet(s)
-					
CAS Number	Contaminant Name				
ERP (lbs/yr)	Potential to Emit		Actual Emissions		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS Number	Contaminant Name				
ERP (lbs/yr)	Potential to Emit		Actual Emissions		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS Number	Contaminant Name				
ERP (lbs/yr)	Potential to Emit		Actual Emissions		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS Number	Contaminant Name				
ERP (lbs/yr)	Potential to Emit		Actual Emissions		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	

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Section III - Facility Information

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Emission Point Information							<input type="checkbox"/> Continuation Sheet(s)
Emission Point							
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	
Emission Point							
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	
Emission Point							
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	

Emission Source/Control Information								<input type="checkbox"/> Continuation Sheet(s)
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model Number	
ID	Type				Code	Description		
Design Capacity	Design Capacity Units			Waste Feed		Waste Type		
	Code	Description			Code	Description	Description	
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model Number	
ID	Type				Code	Description		
Design Capacity	Design Capacity Units			Waste Feed		Waste Type		
	Code	Description			Code	Description	Description	
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model Number	
ID	Type				Code	Description		
Design Capacity	Design Capacity Units			Waste Feed		Waste Type		
	Code	Description			Code	Description	Description	

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Air Permit Application Form



DEC ID									
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Section IV - Emission Unit Information

Emission Point Information (continuation)									
Emission Unit					Emission Point				
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section				
					Length (in)		Width (in)		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (km)	NYTM (N) (km)	Building	Distance to Property Line (ft)		Date of Removal		
Emission Unit					Emission Point				
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section				
					Length (in)		Width (in)		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (km)	NYTM (N) (km)	Building	Distance to Property Line (ft)		Date of Removal		
Emission Unit					Emission Point				
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section				
					Length (in)		Width (in)		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (km)	NYTM (N) (km)	Building	Distance to Property Line (ft)		Date of Removal		
Emission Unit					Emission Point				
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section				
					Length (in)		Width (in)		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (km)	NYTM (N) (km)	Building	Distance to Property Line (ft)		Date of Removal		

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Section IV - Emission Unit Information

Emission Source/Control (continuation)									
Emission Unit		-							
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model No.		
ID	Type				Code	Description			
Design Capacity	Design Capacity Units				Waste Feed		Waste Type		
	Code	Description			Code	Description	Code	Description	
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model No.		
ID	Type				Code	Description			
Design Capacity	Design Capacity Units				Waste Feed		Waste Type		
	Code	Description			Code	Description	Code	Description	
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model No.		
ID	Type				Code	Description			
Design Capacity	Design Capacity Units				Waste Feed		Waste Type		
	Code	Description			Code	Description	Code	Description	
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model No.		
ID	Type				Code	Description			
Design Capacity	Design Capacity Units				Waste Feed		Waste Type		
	Code	Description			Code	Description	Code	Description	
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model No.		
ID	Type				Code	Description			
Design Capacity	Design Capacity Units				Waste Feed		Waste Type		
	Code	Description			Code	Description	Code	Description	

Continuation Sheet 5A-2 of ____

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DEC ID																			
-																			
Process Information <input type="checkbox"/> Continuation Sheet(s)																			
Emission Unit	-							Process											
Process Description																			
Source Classification Code (SCC)		Total Throughput		Throughput Quantity Units															
		Quantity/Hr	Quantity/Yr	Code	Description														
<input type="checkbox"/> Confidential <input type="checkbox"/> Operating at Maximum Capacity		Operating Schedule		Building	Floor/Location														
		Hours/Day	Days/Year																
Emission Point Identifier(s)																			
Emission Source/Control Identifier(s)																			
Emission Unit	-							Process											
Process Description																			
Source Classification Code (SCC)		Total Throughput		Throughput Quantity Units															
		Quantity/Hr	Quantity/Yr	Code	Description														
<input type="checkbox"/> Confidential <input type="checkbox"/> Operating at Maximum Capacity		Operating Schedule		Building	Floor/Location														
		Hours/Day	Days/Year																
Emission Point Identifier(s)																			
Emission Source/Control Identifier(s)																			

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Process Emissions Summary										<input type="checkbox"/> Continuation Sheet(s)			
Emission Unit	-									Process			
CAS Number	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined					
Potential to Emit				Standard Units	Potential to Emit How Determined	Actual Emissions							
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)							
Emission Unit	-									Process			
CAS Number	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined					
Potential to Emit				Standard Units	Potential to Emit How Determined	Actual Emissions							
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)							
Emission Unit	-									Process			
CAS Number	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined					
Potential to Emit				Standard Units	Potential to Emit How Determined	Actual Emissions							
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)							

Emission Source Emissions Summary										<input type="checkbox"/> Continuation Sheet(s)			
Emission Source										Process			
CAS Number	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined					
Potential to Emit				Standard Units	Potential to Emit How Determined	Actual Emissions							
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)							
Emission Source										Process			
CAS Number	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined					
Potential to Emit				Standard Units	Potential to Emit How Determined	Actual Emissions							
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)							
Emission Source										Process			
CAS Number	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined					
Potential to Emit				Standard Units	Potential to Emit How Determined	Actual Emissions							
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)							

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Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements							<input type="checkbox"/> Continuation Sheet(s)		
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Cl.	Subcl.

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements							<input type="checkbox"/> Continuation Sheet(s)		
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Cl.	Subcl.

Emission Unit Compliance Certification										<input type="checkbox"/> Continuation Sheet(s)
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Rule Citation									
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause

<input type="checkbox"/> Applicable Federal Requirement	<input type="checkbox"/> State Only Requirement	<input type="checkbox"/> Capping
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Emission Unit	Emission Point	Process	Emission Source	CAS Number	Contaminant Name

Monitoring Information	
<input type="checkbox"/> Continuous Emission Monitoring	<input type="checkbox"/> Monitoring of a Process or Control Device Parameters as a Surrogate
<input type="checkbox"/> Intermittent Emission Testing	<input type="checkbox"/> Work Practice Involving Specific Operations
<input type="checkbox"/> Ambient Air Monitoring	<input type="checkbox"/> Record Keeping/Maintenance Procedures

Compliance Activity Description

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Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

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Section IV - Emission Unit Information

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Determination of Non-Applicability (Title V Applications Only) ☐ Continuation Sheet(s)

Rule Citation									
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
Emission Unit		Emission Point		Process	Emission Source		<input type="checkbox"/> Applicable Federal Requirement <input type="checkbox"/> State Only Requirement		

Non-Applicability Description

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Rule Citation									
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
Emission Unit		Emission Point		Process	Emission Source		<input type="checkbox"/> Applicable Federal Requirement <input type="checkbox"/> State Only Requirement		

Non-Applicability Description

--	--	--	--	--	--	--	--	--	--

Compliance Plan ☐ Continuation Sheet(s)

For any emission units which are not in compliance at the time of permit application, the applicant shall complete the following:

Consent Order		Certified progress reports are to be submitted every 6 months beginning	/	/
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Emission Unit	Process	Emission Source	Applicable Federal Requirement										
			Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Clause	Subcl.	

Remedial Measures and Intermediate Milestones										R/I	Date Scheduled

New York State Department of Environmental Conservation Air Permit Application



Department of
Environmental
Conservation

DEC ID									
-									
Request for Emission Reduction Credits									
<input type="checkbox"/> Continuation Sheet(s)									
Emission Source 									
Emission Reduction Description									
Contaminant Emission Reduction Data									
Baseline Period ____ / ____ / ____ to ____ / ____ / ____						Reduction			
						Date		Method	
CAS Number		Contaminant Name				ERC (lbs/yr)			
						Netting		Offset	
Facility to Use Future Reduction									
Name						Application ID			
						<div style="display: flex; justify-content: space-between;"> - - / </div>			
Location Address									
<input type="checkbox"/> City/ <input type="checkbox"/> Town / <input type="checkbox"/> Village						State		Zip	
Use of Emission Reduction Credits									
<input type="checkbox"/> Continuation Sheet(s)									
Emission Source 									
Proposed Project Description									
Contaminant Emissions Increase Data									
CAS Number		Contaminant Name				Project Emission Potential (lbs/yr)			
Statement of Compliance									
<input type="checkbox"/> All facilities under the ownership of this "owner/firm" are operating <u>in compliance</u> with all applicable requirements and state regulations including any compliance certification requirements under Section 114(a)(3) of the Clean Air Act Amendments of 1990, or are meeting the schedule of a consent order.									
Source of Emission Reduction Credit - Facility									
Name						Permit ID			
						<div style="display: flex; justify-content: space-between;"> - - / </div>			
Location Address									
<input type="checkbox"/> City/ <input type="checkbox"/> Town / <input type="checkbox"/> Village						State		Zip	
Emission Source		CAS Number		Contaminant Name		ERC (lbs/yr)			
						Netting		Offset	

New York State Department of Environmental Conservation Air Permit Application



Department of
Environmental
Conservation

DEC ID									
-					-				

Supporting Documentation and Attachments	
Required Supporting Documentation	Date of Document
<input type="checkbox"/> List of Exempt Activities (attach form)	
<input type="checkbox"/> Plot Plan	
<input type="checkbox"/> Process Flow Diagram	
<input type="checkbox"/> Methods Used to Determine Compliance (attach form)	
<input type="checkbox"/> Emissions Calculations	
Optional Supporting Documentation	Date of Document
<input type="checkbox"/> Air Quality Model	
<input type="checkbox"/> Confidentiality Justification	
<input type="checkbox"/> Ambient Air Quality Monitoring Plan or Reports	
<input type="checkbox"/> Stack Test Protocol	
<input type="checkbox"/> Stack Test Report	
<input type="checkbox"/> Continuous Emissions Monitoring Plan	
<input type="checkbox"/> Lowest Achievable Emission Rate (LAER) Demonstration	
<input type="checkbox"/> Best Available Control Technology (BACT) Demonstration	
<input type="checkbox"/> Reasonably Available Control Technology (RACT) Demonstration	
<input type="checkbox"/> Toxic Impact Assessment (TIA)	
<input type="checkbox"/> Environmental Rating Demonstration	
<input type="checkbox"/> Operational Flexibility Protocol/Description of Alternate Operating Scenarios	
<input type="checkbox"/> Title IV Permit Application	
<input type="checkbox"/> Emission Reduction Credit (ERC) Quantification (attach form)	
<input type="checkbox"/> Baseline Period Demonstration	
<input type="checkbox"/> Use of Emission Reduction Credits (attach form)	
<input type="checkbox"/> Analysis of Contemporaneous Emissions Increase/Decrease	
Other Supporting Documentation	Date of Document

Attachment 2

Queens Fresh Meadows

Facility ID# 2-6306-00071/00003

Air State Facility Permit Application

Facility Emission Calculations

Table 1 – Equipment Ratings / Annual Fuel Consumption

Table 2 – Facility Wide PTE Rates

Table 3 – Actual Emissions – 2011 / 2021

Table 4A – PTE and Max Actual Emission Rates Gas Firing

Table 4B – PTE and Max Actual Emission Rates Oil Firing

Table 5 – PBT Compound Emission Rates – Gas Firing Actual

Table 6A – GHG Emissions – Actual 2011 / 2021 Average

Table 6B – GHG Emissions – PTE Gas Firing

Table 7 – Annual Fuel Consumption 2011 / 2021

Table 8 – Annual Fuel Consumption with trend

Table 1

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

COMBUSTION EQUIPMENT RATINGS
Annual Fuel Consumption Rates

Fuel Oil and Gas Parameters (AP-42, Appendix A)

Natural Gas:	1,020	Btu/scf
Residual Oil:	150,000	Btu/gal
Distillate Oil:	140,000	Btu/gal
Diesel Oil:	138,500	Btu/gal
hp:	2,542.5	Btu/hr
kW:	1.341	hp

EQUIPMENT SOURCES

BOILERS		MBH (gas)	GPH (#2-oil)	Heat Input X 10 ⁶ Btu/hr	Natural Gas SCFH
1	Cleaver Brooks MD7197.	16,700	119.3	16.7	16,373
2	Cleaver Brooks MD7197.	16,700	119.3	16.7	16,373
3	Cleaver Brooks MD7197.	16,700	119.3	16.7	16,373
4	Cleaver Brooks MD7197.	16,700	119.3	16.7	16,373
5	Cleaver Brooks MD3531.	23,400	167.1	23.40	22,941
6	Cleaver Brooks MD3531.	23,400	167.1	23.40	22,941
7	Cleaver Brooks MD3531.	23,400	167.1	23.40	22,941
8	Cleaver Brooks MD3531.	23,400	167.1	23.40	22,941
Total		160,400	1,146	160	157,255

Annual Fuel Consumption Rates		
	#2-Oil	Nat'l Gas
Year	gallons	X 10 ⁶ SCF
2011	48916	264.3
2012	11685	243.0
2013	45636	231.4
2014	290763	255.4
2015	228088	268.8
2016	63616	273.2
2017	61145	250.4
2018	78361	281.9
2019	71460	286.8
2020	13898	198.9
2021	14308	285.5
Average	84352	258
Maximum	290763	287

X 10⁶ Btu/yr X 10⁶ SCF/yr Oil- X10³ gal/yr
1377552941 1377.55 10036

Capacity Factor	
Nat'l Gas	#2 oil
19%	0.5%
18%	0.1%
17%	0.5%
19%	2.9%
20%	2.3%
20%	0.6%
18%	0.6%
20%	0.8%
21%	0.7%
14%	0.1%
21%	0.1%
19%	1%
21%	3%

Table 1- Equipment Sources

Table 2

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

FACILITY-WIDE POTENTIAL TO EMIT

Emission Unit	Air Contaminant					
	Particulate Matter (PM ₁₀)	Nitrogen Oxides (NO _x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO ₂)	Volatile Organic Compounds (VOC)	Hazardous Air Pollutants (HAPs)
	<i>Facility-wide Thresholds (tpy) - Nonattainment area</i>					
	100	25	100	100	25	10/25
<u>Boilers</u>						
Natural Gas	3.93	68.9	57.86	0.41	3.79	1.30
#2-Oil	5.02	100.36	25.09	1.07	1.71	0.034
<u>Chillers</u>						
NA						
<u>EMERGENCY GENERATORS</u>						
NA						
Maximum Facility PTE (tpy)	5.02	100.36	57.86	1.07	3.79	1.30

NOTES:

Bold denotes exceedance of applicable threshold.

tpy = tons per year

PTE totals for the facility represent the worst case scenario - eight boilers operating at full capacity for 8760 hours

HAP emissions threshold of 10/25 tpy means 10 tpy of any single HAP or 25 tpy of all HAPs.

Table 2- PTE Calcs (tpy)

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5_5_22

Table 3

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

Maximum Gas / Oil ACTUAL EMISSIONS Years 2011 - 2021

Emission Unit	Air Contaminant					
	Particulate Matter (PM ₁₀)	Nitrogen Oxides (NO _x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO ₂)	Volatile Organic Compounds (VOC)	Hazardous Air Pollutants (HAPs)
	Facility-wide Thresholds (tpy) - Nonattainment area					
	100	25	100	100	25	10/25
<u>Boilers</u>						
Natural Gas [Max]	0.82	14.34	12.04	0.09	0.79	0.2708
#2-Oil [Max]	0.15	2.91	0.73	0.03	0.05	0.0010
<u>CHILLERS</u>						
NA						
<u>EMERGENCY GENERATORS</u>						
NA						
Total Facility Emissions (tpy) *	0.96	17.25	12.77	0.12	0.84	0.27

NOTES:

* Total facility emissions include operation of the boilers at maximum fuel consumption for nat'l gas and #2 oil for years 2011 through 2021

Bold denotes exceedance of applicable threshold.

tpy = tons per year

HAP emissions threshold of 10/25 tpy means 10 tpy of any single HAP or 25 tpy of all HAPs.

Table 3- Actual Emissions 2019

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Calculations - 5_5_22

Table 4A

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

PTE and Maximum Annual Fuel Consumption Emissions

Boilers - Natural Gas		PTE 160		MMBtu/hr	Actual 286.778	#REF!
Compound	CAS No.	Emission Factor ¹ (lb/10 ⁶ scf)	Potential to Emit (lb/yr) ²	Potential to Emit (tpy) ²	Actual Emissions (lb/yr) ³	Actual Emissions (tpy) ³
PM	NY075-00-0	7.6	10469	5.23	2180	1.09
PM-2.5	NY075-02-5	1.9	2617	1.31	545	0.27
PM-10	NY075-00-5	5.7	7852	3.93	1635	0.82
NOx ⁴	NY210-00-0	100	137755	68.88	28678	14.34
CO	00630-08-0	84	115714	57.86	24089	12.04
CO2	00124-38-9	120,000	165306353	82,653	34413412	17,207
SO2	07446-09-5	0.6	827	0.41	172	0.09
VOC	NY998-00-0	5.5	7577	3.79	1577	0.79
Total HAPs*	-	-	2601	1.30	542	0.27
2-Methylnaphthalene*	00091-57-6	2.40E-05	0.033	1.65E-05	0	3.44E-06
Acenaphthene*	00083-32-9	1.80E-06	0.002	1.24E-06	0	2.58E-07
Acenaphthylene*	00203-96-8	1.80E-06	0.002	1.24E-06	0	2.58E-07
Anthracene*	00120-12-7	2.40E-06	0.003	1.65E-06	0	3.44E-07
Arsenic*	07440-38-2	2.00E-04	0.276	1.38E-04	0	2.87E-05
Barium	07440-39-3	4.40E-03	6	3.03E-03	1	6.31E-04
Benzene*	00071-43-2	2.10E-03	3	1.45E-03	1	3.01E-04
Benzo(a)anthracene*	00056-55-3	1.80E-06	0.002	1.24E-06	0	2.58E-07
Benzo(a)pyrene*	00050-32-8	1.20E-06	0.002	8.27E-07	0	1.72E-07
Benzo(b,k)fluoranthene*	00205-99-2	1.80E-06	0.002	1.24E-06	0	2.58E-07
Benzo(g,h,i)perylene*	00191-24-2	1.20E-06	0.002	8.27E-07	0	1.72E-07
Beryllium*	07440-41-7	1.20E-05	0.017	8.27E-06	0	1.72E-06
Butane	00106-97-8	2.10E+00	2893	1.45	602	0.30
Cadmium*	07440-43-9	1.10E-03	2	7.58E-04	0	1.58E-04
Chromium*	07440-47-3	1.40E-03	2	9.64E-04	0	2.01E-04
Chrysene	00218-01-9	1.80E-06	0.0	1.24E-06	0	2.58E-07
Cobalt*	07440-48-4	8.40E-05	0.1	5.79E-05	0	1.20E-05
Copper	07440-50-8	8.50E-04	1	5.85E-04	0	1.22E-04
Dibenzo(a,h)anthracene*	00053-70-3	1.20E-06	0	8.27E-07	0	1.72E-07
Dichlorobenzene*	25321-22-6	1.20E-03	2	8.27E-04	0	1.72E-04
Ethane	00074-84-0	3.10E+00	4270	2.14	889	0.44
Fluoranthene*	00206-44-0	3.00E-06	0.004	2.07E-06	0	4.30E-07
Fluorene*	00086-73-7	2.80E-06	0.004	1.93E-06	0	4.01E-07
Formaldehyde*	00050-00-0	7.50E-02	103.32	0.05	22	1.08E-02
Hexane*	00110-54-3	1.80E+00	2480	1.24	516	0.26
Indeno(1,2,3-cd)pyrene*	00193-39-5	1.80E-06	0.0	1.24E-06	0	2.58E-07
Lead*	07439-92-1	5.00E-04	0.7	3.44E-04	0.143	7.17E-05
Manganese*	07439-96-5	3.80E-04	0.5	2.62E-04	0	5.45E-05
Mercury*	07439-97-6	2.60E-04	0.4	1.79E-04	0	3.73E-05
Methane	00074-82-8	2.30E+00	3168	1.58	660	0.33
Molybdenum	07439-98-7	1.10E-03	2	7.58E-04	0	1.58E-04
Naphthalene*	00091-20-3	6.10E-04	0.8	4.20E-04	0	8.75E-05
Nickel*	07440-02-0	2.10E-03	3	1.45E-03	1	3.01E-04
Nitrous Oxide	10024-97-2	6.40E-01	882	0.44	184	0.09
Pentane	00109-66-0	2.60E+00	3582	1.79	746	0.37
Phenanthrene*	00085-01-8	1.70E-05	0.0	1.17E-05	0	2.44E-06
Propane	00074-98-6	1.60E+00	2204	1.10	459	0.23

Table 4A-Boilers Natural Gas

Table 4A

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

PTE and Maximum Annual Fuel Consumption Emissions

Boilers - Natural Gas			PTE 160	MMBtu/hr	Actual 286.778	#REF!
Compound	CAS No.	Emission Factor ¹ (lb/10 ⁶ scf)	Potential to Emit (lb/yr) ²	Potential to Emit (tpy) ²	Actual Emissions (lb/yr) ³	Actual Emissions (tpy) ³
Pyrene*	00129-00-0	5.00E-06	0.007	3.44E-06	0	7.17E-07
Selenium*	07782-49-2	2.40E-05	0.03	1.65E-05	0	3.44E-06
Toluene*	00108-88-3	3.40E-03	5	2.34E-03	1	4.88E-04
Vanadium	07440-62-2	2.30E-03	3	1.58E-03	1	3.30E-04
Zinc	07440-66-6	2.90E-02	40	2.00E-02	8	4.16E-03

Notes:

* Hazardous Air Pollutants (HAPs); Total HAPs is the sum of all HAP compounds.

¹ Source: USEPA AP-42; Section 1.4 Natural Gas Combustion.

² Potential emissions based on annual operation of 8 boilers for 8,760 hours per year.

³ Actual emissions based on maximum nat'l gas fuel consumption for years 2011 through 2021

⁴ NOx emission factor is based on uncontrolled - emission factor :

100 lbs NOx per million cubic feet natural gas fired.

Table 4B- Boilers Firing #2-Oil

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

PTE and Maximum Annual Fuel Consumption Emissions

Boilers - No. 2 Oil (For Boilers less than 100 MMBtu/hr) **PTE** 1,146 gal/hr ⁺ **Actual** 290,763 gallons/year

Compound	CAS No.	Emission Factor ¹ (lb/10 ³ gal)	Potential to Emit (lb/yr) ²	Potential to Emit (tpy) ²	Actual Emissions (lb/yr) ³	Actual Emissions (tpy) ³
PM	NY075-00-0	2.00	20,073	10.04	582	0.29
PM-10	NY075-00-5	1.00	10,036	5.02	291	0.15
NOx	NY210-00-0	20	200,729	100.36	5,815	2.91
CO	00630-08-0	5	50,182	25.09	1,454	0.73
CO ₂	00124-38-9	22,300	223,812,994	111,906	6,484,015	3,242
SO ₂ ⁴	07446-09-5	0.21	2,138	1.07	62	0.03
SO ₃	07446-11-9	0.003	30.11	0.015	1	4.36E-04
VOC ⁵	NY998-00-0	0.34	3,412	1.71	99	0.05
Total HAPs*	-	-	68.9	0.034	2.0	9.97E-04
Trace Elements from Distillate Fuel Oil Combustion (lb/10¹² BTU)						
Arsenic*	07440-38-2	4	5.62	2.81E-03	0.16	8.14E-05
Beryllium*	07440-41-7	3	4.22	2.11E-03	0.12	6.11E-05
Cadmium*	07440-43-9	3	4.22	2.11E-03	0.12	6.11E-05
Chromium*	07440-47-3	3	4.22	2.11E-03	0.12	6.11E-05
Copper	07440-50-8	6	8.43	4.22E-03	0.24	1.22E-04
Lead*	07439-92-1	9	12.65	6.32E-03	0.37	1.83E-04
Manganese*	07439-96-5	6	8.43	4.22E-03	0.24	1.22E-04
Mercury*	07439-97-6	3	4.22	2.11E-03	0.12	6.11E-05
Nickel*	07440-02-0	3	4.22	2.11E-03	0.12	6.11E-05
Selenium*	07782-49-2	15	21.08	1.05E-02	0.61	3.05E-04
Zinc	07440-66-6	4	5.62	2.81E-03	0.16	8.14E-05

Notes:

+ Potential emissions are based on the maximum operation of 8 boilers at one time (at 100% load) for 8760 hours per year.

* Hazardous Air Pollutants (HAPs); Total HAPs is the sum of all HAP compounds.

¹ Source: USEPA AP-42; Section 1.3 Fuel Oil Combustion.

² Potential emissions based on annual operation of 8 boilers (based on operational design limitations) for 8,760 hours per year.

³ Actual emissions are based on actual maximum annual fuel consumption for the years 2011 - 2021

⁴ Based on a maximum fuel oil sulfur content of 0.0015% as per 6 NYCRR Part 225-1.2(f).

NOx emission factor is based on controlled - Low NOx burners with flue gas recirculation.

Sulfur Content of Residual Oil: 0.0015

⁵ Reported as total non-methane hydrocarbon; assumed entire fraction as VOC.

⁶ Heating Value of No. 2 Fuel Oil 140,000 BTU/gal

Table 5

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

ACTUAL EMISSION ESTIMATES - GAS FIRING

Subpart 201-9

Significant Mass Emission Rates for Persistent, Bioaccumulative and Toxic Compounds

CAS Number	Contaminant Name	Allowable Emissions	Actual Emissions (1)
		(pounds per year)	
000050-00-0	Formaldehyde	100	21.51
000056-23-5	Carbon tetrachloride	100	--
000062-53-3	Aniline	1000	--
000064-67-5	Diethyl sulfate	100	--
000067-66-3	Chloroform	100	--
000071-43-2	Benzene	100	0.60
000074-90-8	Hydrogen cyanide	500	--
000075-01-4	Vinyl chloride	100	--
000075-07-0	Acetaldehyde	1,000	--
000075-09-2	Dichloromethane	5000	--
000075-21-8	Ethylene oxide	25	--
000075-36-5	Acetyl chloride	1000	--
000077-78-1	Dimethyl sulfate	250	--
000078-87-5	Propylene dichloride	1000	--
000079-00-5	1,1,2 Trichloroethane	100	--
000079-01-6	Trichloroethylene	1000	--
000079-06-1	Acrylamide	1	--
000079-11-8	Chloroacetic acid	1000	--
000079-34-5	1,1,2,2-tetrachloroethane	1000	--
000079-46-9	2-nitropropane	5000	--
000091-22-5	Quinoline	25	--
000091-94-1	3,3'-dichlorobenzidine	25	--
000092-87-5	Benzidine	1	--

Table 5

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

ACTUAL EMISSION ESTIMATES - GAS FIRING

Subpart 201-9

Significant Mass Emission Rates for Persistent, Bioaccumulative and Toxic Compounds

CAS Number	Contaminant Name	Allowable Emissions	Actual Emissions (1)
		(pounds per year)	
000095-53-4	O-toluidine	5000	--
000096-09-3	Styrene oxide	1	--
000096-45-7	Ethylene thiourea	100	--
000097-93-8	Triethylaluminum	1000	--
000100-44-7	Benzyl chloride	25	--
000106-93-4	1,2-dibromoethane	5	--
000106-99-0	1,3-butadiene	25	--
000107-02-8	Acrolein	5	--
000107-06-2	1,2-dichloroethane	100	--
000107-13-1	Acrylonitrile	25	--
000107-18-6	Allyl alcohol	1000	--
000109-86-4	2-methoxy ethanol	5000	--
000120-82-1	1,2,4 trichlorobenzene	5000	--
000122-66-7	Diphenyl hydrazine	5	--
000127-18-4	Perchloroethylene	1000	--
000302-01-2	Hydrazine	0.1	--
000542-75-6	1,3-dichloropropene	500	--
000593-60-2	Vinyl bromide	500	--
000625-31-0	4-penten-2-ol	500	--
001336-36-3	Polychlorinated biphenyls (PCBs)**	0.1	--
001395-21-7	Subtilisins	0	--

Table 5

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

ACTUAL EMISSION ESTIMATES - GAS FIRING

Subpart 201-9

Significant Mass Emission Rates for Persistent, Bioaccumulative and Toxic Compounds

CAS Number	Contaminant Name	Allowable Emissions	Actual Emissions (1)
		(pounds per year)	
001746-01-6	2,3,7,8 TCDD TEF* Polychlorinated Dibenzo-dioxins** Polychlorinated Dibenzo-furans**	0.0001	--
002465-27-2	Auramine	0.1	--
007440-62-2	Vanadium	25	--
007550-45-0	Titanium tetrachloride	0.1	--
007632-00-0	Sodium nitrite	1000	--
007784-42-1	Arsine	25	--
009014-01-1	Subtilisins, fermentation product	0	--
018540-29-9	Chromium (VI)	0.1	--
	Pesticide, herbicide, rotenticide, insecticide***	0	--
	Polycyclic organic matter (POM)**	1	--
	Cadmium compounds	25	0.24
	Manganese compounds	10	0.49
	Beryllium compounds	1	0.24
	Nickel compounds	10	0.24
	Diisocyanate compounds	25	--
	Mercury compounds	5	0.24
	Arsenic compounds	1	0.33
	Chromium compounds	250	0.24
	PTFE (decomposition)	0	--

* Toxic equivalency factor for dibenzodioxin and dibenzofuran defined by the USEPA.

Table 5

Queens Fresh Meadows Facility
67-10 192nd St., Flushing, NY 11365

ACTUAL EMISSION ESTIMATES - GAS FIRING**Subpart 201-9****Significant Mass Emission Rates for Persistent, Bioaccumulative and Toxic Compounds**

CAS Number	Contaminant Name	Allowable Emissions	Actual Emissions (1)
		(pounds per year)	

** See the definition in Part 200 of this Title.

*** Aldrin/Dieldrin (000309-00-2), Chlordane (000191-24-2 and 012789-03-6), DDE (000072-55-9), DDT (000050-29-3), Heptachlor (000076-44-8), Hexachlorobenzene (000118-74-1), Isodrin (000465 73-6), Methoxychlor (000072-43-5), Octachlorostyrene (029082-74-4), Pendimethalin (040487-42-1), Pentachlorobenzene (000608-93-5), Tetrabromobisphenol A

(1) Based on Actual for natural gas and #2-oil firing

Table 6 A
Fresh Meadows
Greenhouse Gas (GHG)
40 CFR Part 98
Actual Emissions
Average Gas and Oil Consumption: 2011 - 2021

Pollutant	CAS #	Table C1 EF Natural Gas	Distillate Oil kg CO ₂ /mmBtu	Residual Oil	Note 1 Global Warming Potential (100 years)
Carbon Dioxide	124-38-9	5.30E+01	7.40E+01	75.1	1
Nitrous Oxide	10024-97-2				310
Methane	74-82-8				21

40CFR Part 98

	Table C1			Table C2					
	Carbon Dioxide (CO ₂)			Nitrous Oxide (N ₂ O)			Methane (CH ₄)		
	Natural Gas	#6-oil	#2-oil	Natural Gas	#6-oil	#2-oil	Natural Gas	#6-oil	#2-oil
HHV 10 ⁶ Btu/ scf	0.001028			0.001028			0.001028		
EF kg [Contam.] / 10 ⁶ Btu	53.02	75.1	73.96	0.0001	0.006	0.006	0.001	0.003	0.006
HHV 10 ⁶ Btu/ gallon		0.15	0.138		0.15	0.15		0.15	0.15

Conversion Factor Table A-2

				Lbs/Kg	Metric Tons /Short Tons				2000
				2.20462	0.90718				2204.63414
EF lbs [Contam.] / 10 ⁶ Btu	116.9	165.6	163.1	0.00022	0.0132	0.0132	0.0022	0.00661	0.01323

PTE Fuel Use

Nat Gas (SCF) - Actual Firing Rate	258,141,444
Distillate Oil (Gal)-Emergency Generators	
Distillate #2 Oil (Gal) - Boilers	84,352

PTE Annual Emissions (Metric Tons)			
CO ₂		N ₂ O	CH ₄
17096		0.03	0
0		0.00000	0.0000
1155		0.092	0.00
Totals	18251	0	0

(Metric Tons/yr)				Notes
CO ₂	N ₂ O	CH ₄	Annual Total	
17096	10	7	17113	2
0	0.00	0.000	0	3
1155	29	0.013	1183	2
18251	39	6.78	18296	

2204.6 lbs/metric ton
40236489 lbs CO₂e/yr

40336528
40.34 X10⁶ lbs.

Notes:

- Global warming potentials are from Table A-1 Subpart A of Part 98.
- Part 98 Subpart C-98.30(a): Stationary Steam Generating Boilers
- Part 98 Subpart C-98.30(b)(2): Emergency Generators are Exempt



Table 6 B
Gresh Meadows
Greenhouse Gas (GHG)
40 CFR Part 98
PTE Emissions -Gas

Facility ID # 2-6306-00071/00004

Pollutant	CAS #	Table C1 EF Natural Gas	Distillate Oil kg CO ₂ /mmBtu	Residual Oil	Note 1 Global Warming Potential (100 years)
Carbon Dioxide	124-38-9	5.30E+01	7.40E+01	75.1	1
Nitrous Oxide	10024-97-2				310
Methane	74-82-8				21

40CFR Part 98

Table C1		
Carbon Dioxide (CO ₂)		
Natural Gas	#6-oil	#2-oil

Table C2					
Nitrous Oxide (N ₂ O)			Methane (CH ₄)		
Natural Gas	#6-oil	#2-oil	Natural Gas	#6-oil	#2-oil

HHV 10 ⁶ Btu/ scf	0.001028			0.001028			0.001028		
EF kg [Contam.] / 10 ⁶ Btu	53.02	75.1	73.96	0.0001	0.006	0.006	0.001	0.003	0.006
HHV 10 ⁶ Btu/ gallon		0.15	0.138		0.15	0.15		0.15	0.15

Conversion Factor Table A-2

Lbs/Kg Metric Tons /Short Tons
2.20462 0.90718

2000
2204.63414

EF lbs [Contam.] / 10 ⁶ Btu	116.9	165.6	163.1	0.00022	0.0132	0.0132	0.0022	0.00661	0.01323
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PTE Fuel Use

Nat Gas (SCF) - PTE Firing Rate	1,377,552,941
Distillate Oil (Gal)-Emergency Generators	
Distillate #2 Oil (Gal) - Boilers	

PTE Annual Emissions (Metric Tons)			
CO ₂		N ₂ O	CH ₄
91233		0.17	2
0		0.00000	0.0000
0		0.000	0.00
Totals	91233	0	2

Nat Gas (SCF)
Distillate Oil (Gal)
#2-Oil (Gal)

(Metric Tons/yr)				Notes
CO ₂	N ₂ O	CH ₄	Annual Total	
91233	53	36	91322	2
0	0.00	0.000	0	3
0	0	0.000	0	2
91233	53	36.14	91322	

2204.6 lbs/metric ton
201135137 lbs CO₂e/yr

201332403
201.33 X10⁶ lbs.

Notes:

- Global warming potentials are from Table A-1 Subpart A of Part 98.
- Part 98 Subpart C-98.30(a): Stationary Steam Generating Boilers
- Part 98 Subpart C-98.30(b)(2): Emergency Generators are Exempt



Table 7
Fresh Meadows
Actual Annual Fuel Consumption
Years: 2011 - 2021

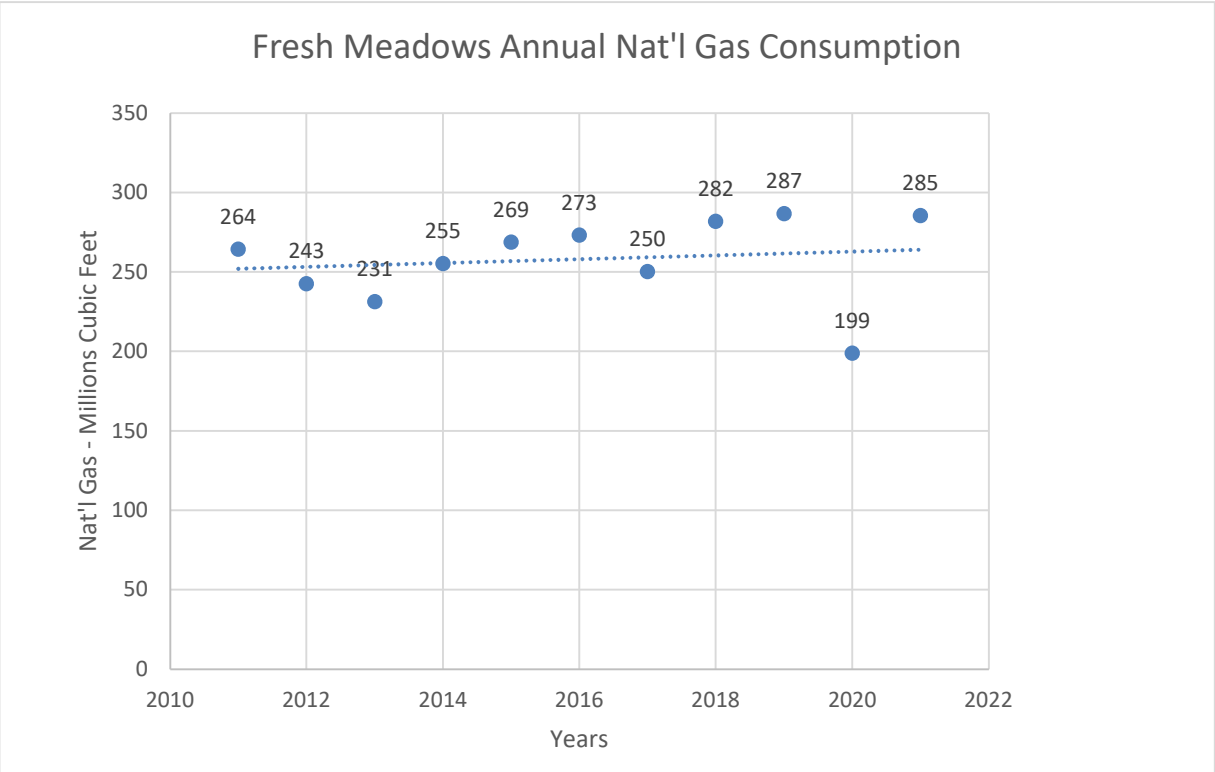
Facility ID# 2-6306-00071/00003

	Nat'l Gas				Natural Gas:	1,020	Btu/scf		NOx
	DKT	therm							Oil
		1							
Year	1	10							

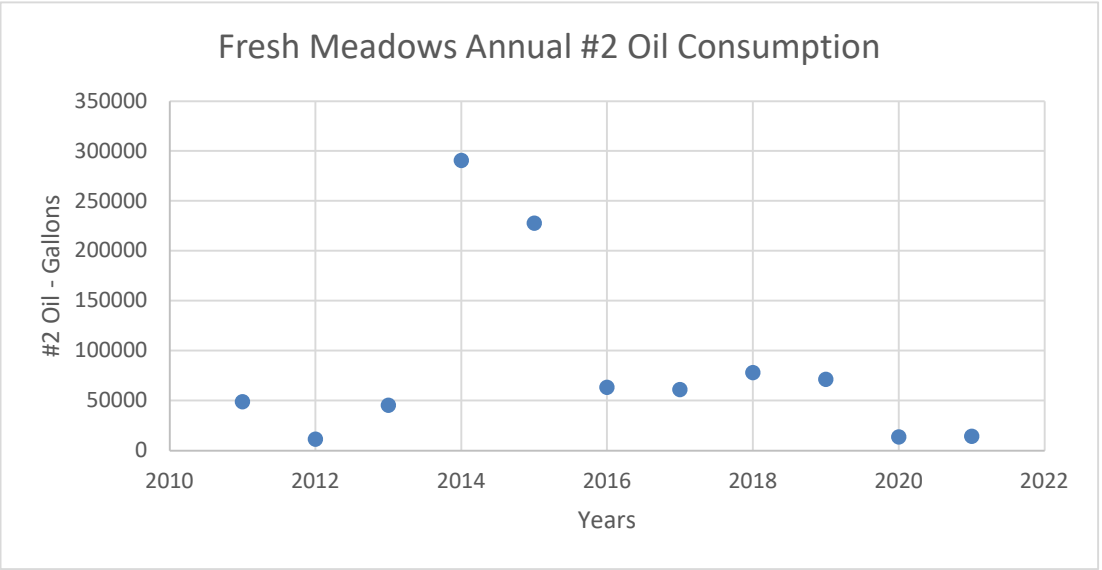
Fuel Rates -T7

Table 8
Fresh Meadows
Fuel Consumption Data

Year	X 10 ⁶ SCF
2011	264
2012	243
2013	231
2014	255
2015	269
2016	273
2017	250
2018	282
2019	287
2020	199
2021	285
Average	258
Maximum	287



Year	#2-Oil Gallons
2011	48916
2012	11685
2013	45636
2014	290763
2015	228088
2016	63616
2017	61145
2018	78361
2019	71460
2020	13898
2021	14308
Average	84352
Maximum	290763



Attachment 3

Queens Fresh Meadows
Facility ID# 2-6306-00071/00003

List of Exempt Activities

New York State Department of Environmental Conservation
Air Permit Application



NEW YORK
STATE OF
OPPORTUNITY
Department of
Environmental
Conservation

DEC ID										
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Date of Form
2/28/2022

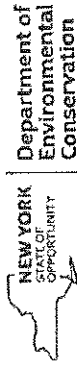
List of Exempt Activities

Instructions

Applicants for Title V facility permits must provide a listing of each exempt activity, as described in 6 NYCRR Part 201-3.2(c), that is currently operated at the facility. This form must be provided with each application for a new Title V facility permit and Title V facility permit renewal, or whenever changes are necessary. In order to complete this form, enter the number and building location of each exempt activity conducted. Building IDs used on this form should match those used in the Title V permit application. Provide all additional information where requested. If a listed activity is not operated at the facility, leave the corresponding information blank.

Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
Combustion			
(1)	Stationary or portable combustion installations where the furnace has a maximum rated heat input capacity less than 10 MMBtu/hr burning liquid or gaseous fuels; or a maximum heat input capacity of less than 1 MMBtu/hr burning solid fuels. This activity does not include combustion installations burning any material classified as solid waste, as defined in 6 NYCRR Part 360, hazardous waste, as defined in 6 NYCRR Part 371, or waste oil, as defined in 6 NYCRR Subpart 225-2. <u>For each activity listed, attach documentation indicating the date of construction, heat input (MMBtu/hr), and the type of fuel combusted. See Attached Copies of each Heaters Boiler Plate</u>	2	64-19 186 Lane. Heat input gas only, max 1.5 mmBtu/hr each. installed 2013
(2)	Space heaters burning waste oil at eligible facilities, as defined in 6 NYCRR Subpart 225-2, generated on-site or at a facility under common control, alone or in conjunction with used oil generated by a do-it-yourself oil changer as described in 6 NYCRR Subpart 374-2.	0	
(3)(i)	Stationary or portable internal combustion engines that are liquid or gaseous fuel powered and located within the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury, and have a maximum mechanical power rating of less than 200 brake horsepower. <u>For each activity listed, attach documentation indicating the date of construction, engine model year, engine rating (hp), displacement (L/cylinder), type of fuel combusted, and EPA issued certificate of conformity.</u>	0	

New York State Department of Environmental Conservation
Air Permit Application

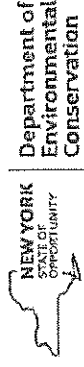


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Rule Citation	Description	Number of Activities	Building Location
201-3.2(c)			
(3)(ii)	Stationary or portable internal combustion engines that are liquid or gaseous fuel powered and located outside of the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury, and have a maximum mechanical power rating of less than 400 brake horsepower. <u>For each activity listed, attach documentation indicating the date of construction, engine model year, engine rating (hp), displacement (L/cylinder), type of fuel combusted, and EPA issued certificate of conformity.</u>	0	
(3)(iii)	Stationary or portable internal combustion engines that are gasoline powered and have a maximum mechanical power rating of less than 50 brake horsepower.	0	
(4)	Reserved.		
(5)	Gas turbines with a heat input at peak load less than 10 MMBtu/hour <i>Each CapStone Turbine is rated 223 mmBtu/hr</i> Emergency power generating stationary internal combustion engines, as defined in 6 NYCRR Part 200.1(cq). Stationary internal combustion engines used for peak shaving and/or demand response programs are not exempt.	3	64-45 188 st
(6)	<u>For each activity listed, attach documentation indicating the date of construction, engine model year, engine rating (hp), displacement (L/cylinder), type of fuel combusted, and EPA issued certificate of conformity.</u>	0	
Combustion Related			
(7)	Non-contact water cooling towers and water treatment systems for process cooling water and other water containers designed to cool, store or otherwise handle water that has not been in direct contact with gaseous or liquid process streams.	0	
Agricultural			
(8)	Feed and grain milling, cleaning, conveying, drying and storage operations including grain storage silos, where such silos exhaust to an appropriate emissions control device, excluding grain terminal elevators with permanent storage capacities over 2.5 million U.S. bushels, and grain storage elevators with capacities above one million bushels.	0	

New York State Department of Environmental Conservation Air Permit Application

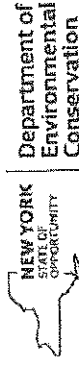


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Date of Form	
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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(9)	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.	0	
Commercial - Food Service Industries			
(10)	Flour silos at bakeries, provided all such silos are exhausted through an appropriate emission control device.	0	
(11)	Emissions from flavorings added to a food product where such flavors are manually added to the product.	0	
Commercial - Graphic Arts			
(12)	Screen printing inks/coatings or adhesives which are applied by a hand-held squeegee. A hand-held squeegee is one that is not propelled through the use of mechanical conveyance and is not an integral part of the screen printing process.	0	
(13)	Graphic arts processes at facilities located outside the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury whose facility-wide total emissions of volatile organic compounds from inks, coatings, adhesives, fountain solutions and cleaning solutions are less than three tons during any 12-month period.	0	
(14)	Graphic label and/or box labeling operations where the inks are applied by stamping or rolling.	0	
(15)	Graphic arts processes which are specifically exempted from regulation under 6 NYCRR Part 234, with respect to emissions of volatile organic compounds which are not given an A rating as described in 6 NYCRR Part 212.	0	
Commercial - Other			
(16)	Gasoline dispensing sites registered with the department pursuant to 6 NYCRR Part 613.	0	

New York State Department of Environmental Conservation
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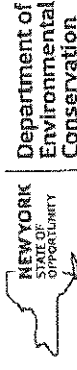


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Rule Citation	Description	Number of Activities	Building Location
201-3.2(c)	Surface coating and related activities at facilities which use less than 25 gallons per month of total coating materials, or with actual volatile organic compound emissions of 1,000 pounds or less from coating materials in any 12-month period. Coating materials include all paints and paint components, other materials mixed with paints prior to application, and cleaning solvents, combined. This exemption is subject to the following:	0	
(17)	(i) The facility is located outside of the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury; and		
	(ii) All abrasive cleaning and surface coating operations are performed in an enclosed building where such operations are exhausted into appropriate emission control devices.	0	
(18)	Abrasive cleaning operations which exhaust to an appropriate emission control device.	0	
(19)	Ultraviolet curing operations.	0	
Municipal/Public Health Related			
(20)	Landfill gas ventilating systems at landfills with design capacities less than 2.5 million megagrams (3.3 million tons) and 2.5 million cubic meters (2.75 million cubic yards), where the systems are vented directly to the atmosphere, and the ventilating system has been required by, and is operating under, the conditions of a valid 6 NYCRR Part 360 permit, or order on consent.	0	
Storage Vessels			
(21)	Distillate fuel oil, residual fuel oil, and biodiesel storage tanks with storage capacities below 300,000 barrels.	0	
(22)	Pressurized fixed roof tanks which are capable of maintaining a working pressure at all times to prevent emissions of volatile organic compounds to the outdoor atmosphere.	0	
(23)	External floating roof tanks which are of welded construction and are equipped with a metallic-type shoe primary seal and a secondary seal from the top of the shoe seal to the tank wall.	0	

New York State Department of Environmental Conservation Air Permit Application

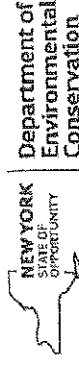


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Date of Form
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Rule Citation	Description	Number of Activities	Building Location
201-3.2(c)	External floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure less than 4.0 psi (27.6 kPa), are of welded construction and are equipped with one of the following:		
(24)	(i) a metallic-type shoe seal;	0	
	(ii) a liquid-mounted foam seal;		
	(iii) a liquid-mounted liquid-filled type seal; or		
	(iv) equivalent control equipment or device.		
(25)	Storage tanks, including petroleum liquid storage tanks as defined in 6 NYCRR Part 229, and liquid asphalt storage tanks with capacities less than 10,000 gallons, except those subject to 6 NYCRR Part 229 or Part 233.	0	
(26)	Horizontal petroleum or volatile organic liquid storage tanks.	0	
(27)	Storage of solid materials, provided all such storage is exhausted through an appropriate emission control device. This exemption does not include raw material, clinker, or finished product storage at Portland cement plants.	0	
Industrial			
(28)	Processing equipment at existing sand and gravel and stone crushing plants which were installed or constructed before August 31, 1983, where water is used for operations such as wet conveying, separating, and washing. This exemption does not include processing equipment at existing sand and gravel and stone crushing plants where water is used for dust suppression.	0	
(29)(i)	Sand and gravel, crushed stone, concrete, or recycled asphalt processing lines at non-metallic mineral processing facilities that are a permanent or fixed installation with a maximum rated processing capacity of 25 tons of minerals per hour or less.	0	
(29)(ii)	Sand and gravel, crushed stone, concrete, or recycled asphalt processing lines at non-metallic mineral processing facilities that are a portable emission source with a maximum rated processing capacity of 150 tons of minerals per hour or less.	0	

New York State Department of Environmental Conservation Air Permit Application



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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(29)(iii)	Sand and gravel, crushed stone, concrete, or recycled asphalt processing lines at non-metallic mineral processing facilities that are used exclusively to screen minerals at a facility where no crushing or grinding takes place.	0	
(30)	Reserved.		
(31)	Surface coating operations which are specifically exempted from regulation under 6 NYCRR Subparts 228-1 and 228-2, with respect to emissions of volatile organic compounds which are not given an A rating pursuant to 6 NYCRR Part 212.	0	
(32)	Pharmaceutical tablet branding operations.	0	
(33)	Thermal packaging operations, including, but not limited to, thermimage labeling, blister packing, shrink wrapping, shrink banding, and carton gluing.	0	
(34)	Powder coating operations.	0	
(35)	All tumblers used for the cleaning and/or deburring of metal products without abrasive blasting.	0	
(36)	Presses used exclusively for molding or extruding plastics except where halogenated polymers are used or where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents.	0	
(37)	Concrete batch plants where the cement weigh hopper and all bulk storage silos are exhausted through fabric filters, and the batch drop point is controlled by a shroud or other emission control device.	0	
(38)	Cement storage operations not located at Portland cement plants where materials are transported by screw or bucket conveyors.	0	
(39)(i)	Cold cleaning degreasers with an open surface area of 11 square feet or less and an internal volume of 93 gallons or less or, having an organic solvent loss of 3 gallons per day or less.	0	
39(ii)	Conveyorized degreasers with an air/vapor interface smaller than 22 square feet (2 square meters), unless subject to the requirements of 40 CFR 63 Subpart T.	0	
(39)(iii)	Open-top vapor degreasers with an open-top area smaller than 11 square feet (1.0 square meter), unless subject to the requirements in 40 CFR 63, Subpart T.	0	
Miscellaneous			
(40)	Ventilating and exhaust systems for laboratory operations. This exemption does not include laboratory operations used to produce products for sale except in a de minimis manner.	0	

New York State Department of Environmental Conservation Air Permit Application



NEW YORK
STATE OF
OPPORTUNITY

Department of
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Conservation

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2/28/2022

Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(41)	Exhaust or ventilating systems for the melting of gold, silver, platinum and other precious metals.	0	
(42)	Exhaust systems for paint mixing, transfer, filling or sampling and/or paint storage rooms or cabinets, provided the paints stored within these locations are stored in closed containers when not in use.	0	
(43)	Exhaust systems for solvent transfer, filling or sampling, and/or solvent storage rooms provided the solvents are stored in closed containers when not in use.	0	
(44)	Reserved		
(45)	The application of odor counteractants and/or neutralizers.	0	
(46)	Hydrogen, natural gas, and methane fuel cells.	0	
(47)	Dry cleaning equipment that uses only water-based cleaning processes or those using liquid carbon dioxide.	0	
(48)	Manure spreading, handling and storage at farms and agricultural facilities.	0	
(49)	Covered manure storage at farms that exhausts to a flare or other appropriate emission control device. This activity does not include anaerobic digestion processes operating with or without stationary or portable combustion installations.	0	
(50)	Coffee roasting processes which have a maximum operating capacity of 3 kilograms or less of green coffee beans per batch and no greater than 25 tons of green coffee beans per year, that are vented through an unobstructed, vertical stack that ensures proper dispersion of air contaminants.	0	
(51)	Process emission sources at breweries with total combined beer and/or malt liquor production of 60,000 barrels per year or less.	0	
(52)	Process emission sources at wineries with total combined wine and/or brandy production of 700,000 gallons per year or less.	0	
(53)	Process emission sources at distilleries with 10,000 distiller's bushels of grain input per year or less.	0	
(54)	Process emission sources at wood and lumber drying kilns with an annual throughput of untreated wood of 275,000 board feet or less.	0	

Attachment 4

Queens Fresh Meadows

Facility ID# 2-6306-00071/00003

Methods Used to Determine Compliance

Methods Used to Determine Compliance

DEC ID
2-6306-00071

Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Method used to determine Compliance	Compliance Status, Continuous/Intermittent?
1	6NYCRR 200.6	Federally Enforceable	Acceptable Ambient Air Quality.	No air contaminate is emitted in quantities which contravene applicable air quality standards.	Continuous
2	6NYCRR 201-6.4(a)(7)	Federally Enforceable	Permittee shall pay the required fees associated with this permit.	Applicable fees have been paid.	Continuous
3	6NYCRR 201-6.4(c)	Federally Enforceable	Recordkeeping and reporting of compliance monitoring	Submittal of required monitoring reports to regulatory authorities.	Continuous
4	6NYCRR 201-6.4(c)(2)	Federally Enforceable	Monitoring, related recordkeeping, and reporting requirements.	Compliance monitoring and recordkeeping shall be conducted in accordance with this permit. Records shall be maintained for at least 5 years.	Continuous
5	6NYCRR 201-6.4(c)(3)(ii)	Federally Enforceable	Submit required monitoring reports at least every 6 months, results of required testing, statement that "upon request..." monitoring was conducted.	Filing of required reports, test results and statement that "upon request..." monitoring was conducted. Due 30 days after report period.	Continuous
6	6NYCRR 201-6.4(e)	Federally Enforceable	Submit Annual Compliance Report listing terms and condition of permit and compliance status.	Filing of Annual Compliance report.	Continuous
7	6NYCRR 202-2.1	Federally Enforceable	Emission Statement shall be submitted on or before April 15 of each year	File Annual Fuel Use Report. Due April 15 th for previous calendar year.	Continuous
8	6NYCRR 202-2.5	Federally Enforceable	Recordkeeping Requirements	Each facility shall maintain for at least five years a copy of each emission statement, records indicating how the information was determined and calculated.	Continuous
9	6NYCRR 215.2	General Permittee Obligation	Open Fires	No open burning of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities shall be conducted at this facility.	Continuous
10	6NYCRR 200.7	Federally Enforceable	Maintenance of Equipment	Emission control devices at this facility are operated and maintained in accordance with ordinary and necessary practices, standards and procedures.	Continuous
11	6NYCRR 201-1.7	Federally Enforceable	Recycling and Salvage	When practical, collected air contaminants shall be recycled or salvaged.	Continuous
12	6NYCRR 201-1.8	Federally Enforceable	Prohibition of Reintroduction of Collected Contaminants to the Air	No person has unnecessarily removed, handled, or caused to be handled, collected air contaminants in a manner that would reintroduce them to the atmosphere.	Continuous
13	6NYCRR 201-3.2(a)	Federally Enforceable	Proof of Eligibility as an exempt source	This facility is operated within the criteria of 6NYCRR 201-3 and the terms of this Condition.	Continuous
14	6NYCRR 201-3.3(a)	Federally Enforceable	Proof of Eligibility as a trivial source	This facility is operated within the criteria of 6NYCRR 201-3 and the terms of this Condition.	Continuous
15	6NYCRR 201-6.4(a)(4)	Federally Enforceable	Providing Information Upon Request	Any information about this facility requested by the Department shall be provided within a reasonable time.	Continuous

Methods Used to Determine Compliance

DEC ID
2-6306-00071

Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Method used to determine Compliance	Compliance Status, Continuous/Intermittent?
16	6NYCRR 201-6.4(a)(8)	Federally Enforceable	Right To Inspect	The Permittee acknowledges the right of a Department representative to conduct an inspection of this facility under the terms of this Condition.	Continuous
17	6NYCRR 201-6.4(f)(6)	Federally Enforceable	Off Permit Changes	No permit revision is required for operating changes that contravene an express permit term, provided such changes do not violate applicable requirements under this part and the Department is notified within a minimum of 7 days prior to the operational change.	Continuous
18	6NYCRR 202-1.1	Federally Enforceable	Required Emission Tests	Required emission tests are conducted and reports submitted in accordance with permit requirements.	Continuous
19	40 CFR Part 68	Federally Enforceable	Accidental release provisions	This facility does not use or store listed chemicals under this regulation above threshold levels. General Duty Clause requirements are included in the facilities SPCC Plan.	Continuous
20	40 CFR 82, Subpart F	Federally Enforceable	Recycling and Emissions Reductions	The Permittee is in compliance with the standards for recycling and emissions reductions for stratospheric ozone depleting chemicals.	Continuous
21	6NYCRR 201-6	Federally Enforceable	Emission Unit Definition	This is an accurate description of the emission units at this facility.	Continuous
22	6NYCRR 201-6.4(d)(5)	Federally Enforceable	Compliance Requirements, Progress Reports	Progress reports consistent with an applicable schedule of compliance shall be submitted semi-annually or more frequently if requested.	Continuous
23	6NYCRR 202-1.2	Federally Enforceable	Notification	Permittee will notify the Department at least 30 days prior to any stack testing	Continuous
24	6NYCRR 202-1.3	Federally Enforceable	Acceptable Procedures	Permittee will conduct stack testing in accordance with test procedures approved by the Department	Continuous
25	6NYCRR 211.2	State Only Enforceable	Air Pollution Prohibited	This facility has not caused or allowed emission of air contaminants which unreasonable interfere with the comfortable enjoyment of life or property.	Continuous
26	6NYCRR 201-6	Federally Enforceable	Emission Point Definition by Emission Unit	This is an accurate definition of each emissions unit	Continuous
27	6NYCRR 201-6	Federally Enforceable	Emission Process definition by Emission Unit	This is an accurate definition of each emission process	Continuous
28	6NYCRR 227-1.6(b)	Federally Enforceable	Corrective Action	If the facility is found to be in violation of the provisions of this part, corrective actions shall be taken in accordance with this regulatory citation.	Continuous

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Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Method used to determine Compliance	Compliance Status, Continuous/Intermittent?
29	6NYCRR 227-1.6(c)	Federally Enforceable	Corrective Action	If corrective action is not taken in accordance with the directions of the Commissioner the Department may take actions to prevent operation of the facility.	Continuous
30	6NYCRR 227-1.6(d)	Federally Enforceable	Corrective Action	Sources sealed by the Commissioner will not be operated.	Continuous
31	6NYCRR 227-2.4(d)	Federally Enforceable	Compliance Certification	Filing of compliance report. Annual boiler tune-ups are performed and recorded in accordance with the requirements of this regulatory citation.	Continuous
32	6 NYCRR 227.2(b) (1)	Federally Enforceable	Conduct stack sampling for particulates once during the term of the permit. Not to exceed 0.1 lb/mmBtu.	Conduct stack sampling once during the term of the permit. Stack sampling not due or conducted this reporting period.	Continuous
33	40 CFR 60.9, NSPS Subpart A	Federally Enforceable	Availability of Information	The Permittee understands that the Administrator may provide information about this facility to the public upon request.	Continuous
34	40 CFR 60.9.14, NSPS Subpart A	Federally Enforceable	Modifications	Within 180 days of any physical or operational change to this facility compliance with applicable standards must be achieved.	Continuous
35	40 CFR 60.9.15, NSPS Subpart A	Federally Enforceable	Reconstruction	As least 60 days prior to reconstruction the Permittee shall notify the Administrator of the proposed actions and provide the information requested in this regulatory citation.	Continuous
36	40 CFR 60.42c(d) NSPS Dc	Federally Enforceable	Fuel sulfur content shall not exceed 0.5% by weight. [This limit superseded by another condition limiting sulfur to 0.2% by weight.]	All fuels are purchased on specification.	Continuous
37	40 CFR 60.42c(H) NSPS Dc	Federally Enforceable	Compliance Certification	Compliance shall be based on a certification from the fuel supplier.	Continuous
38	40 CFR 60.48c(e) (2) NSPS Dc	Federally Enforceable	Compliance Certification	Upon request of the Regulatory Agency, documentation the 30 average SO2 emission rate shall be provided to the Department.	Continuous
39	40 CFR 60.48c(e) (9) NSPS Dc	Federally Enforceable	Compliance Certification	Upon request of the Regulatory Agency, documentation the SO2 emissions shall be provided to the Department.	Continuous
40	40 CFR 60.48c(i) NSPS Dc	Federally Enforceable	All records required by this permit shall be retained for a minimum of 2 years.	Recordkeeping. Required records are maintained on site for the required duration.	Continuous
41	6 NYCRR 227-1.3	Federally Enforceable	Opacity shall not exceed 20% except for 1 six-minute period per hour not to exceed 27%.	Observe stack daily to verify that no visible plume is visible. If plume is visible for two consecutive days conduct Method 9 reading within 48 hours and report to the RAPCE.	Continuous

Methods Used to Determine Compliance

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Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Method used to determine Compliance	Compliance Status, Continuous/Intermittent?
A	6NYCRR 201-5	State Only Enforceable	General Provisions, Terms and Conditions Owner shall operate facility in accordance with regulatory requirements.	All required records are maintained on-site for a period of 5 years.	Continuous
B	6NYCRR 201-5	State Only Enforceable	General Provisions, Terms and Conditions Owner shall operate facility in accordance with regulatory requirements.	All required records are maintained on-site for a period of 5 years.	Continuous
42	ECL 19-0301	State Only Enforceable	Contaminant List	This facility is operated in accordance with contaminant specific requirements for particulates and sulfur dioxide.	Continuous
43	6NYCRR 201-1.4	State Only Enforceable	Unavoidable Noncompliance and violations	When a violation of an applicable emission standard due to scheduled maintenance, start-up/shutdown or malfunctions or upsets at this facility has occurred the procedures set forth in this Condition are followed.	Continuous