

**Division of Air Resources  
Permit Review Report**

**Permit ID: 7-0552-00004/00019**  
**Renewal Number: 3**  
**03/22/2024**

**Facility Identification Data**

Name: OWENS-BROCKWAY GLASS CONTAINER INC  
Address: 7134 COUNTY HOUSE RD  
AUBURN, NY 13021

**Owner/Firm**

Name: OWENS-BROCKWAY GLASS CONTAINER INC  
Address: 1 MICHAEL OWENS WAY  
PERRYSBURG, OH 43551-2999, USA  
Owner Classification: Corporation/Partnership

**Permit Contacts**

Division of Environmental Permits:  
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SYRACUSE, NY 13214-1867  
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Division of Air Resources:  
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Phone:3154267470

Air Permitting Facility Owner Contact:  
Name: Dennis J Beunger  
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Auburn, NY 13021  
Phone:4194506114

**Permit Description  
Introduction**

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

**Summary Description of Proposed Project**

The facility has applied for a renewal of the current Title V permit.

**Attainment Status**

OWENS-BROCKWAY GLASS CONTAINER INC is located in the town of SENNETT in the county of

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CAYUGA.

The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	TRANSPORT REGION (NON-ATTAINMENT)
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

\* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

\*\* NOx has a separate ambient air quality standard in addition to being an ozone precursor.

**Facility Description:**

The facility produces glass containers. Air emission sources include raw material handling, two glass furnaces and associated systems.

**Permit Structure and Description of Operations**

The Title V permit for OWENS-BROCKWAY GLASS CONTAINER INC is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:  
 combustion - devices which burn fuel to generate heat, steam or power  
 incinerator - devices which burn waste material for disposal  
 control - emission control devices  
 process - any device or contrivance which may emit air contaminants that is not included in the above categories.

OWENS-BROCKWAY GLASS CONTAINER INC is defined by the following emission unit(s):

Emission unit AFURNC - Two regenerative glass furnaces, furnace A and furnace B. The furnaces are natural gas fired. Each furnace has a single stack. Each furnace has a refiner in which the molten glass is

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heat conditioned for delivery to the forming process. Each furnace has alcoves and forehearths which transport the refined glass to the forming process. The forehearths vent inside the glass manufacturing area. The refiners and forehearths are fueled by natural gas.

Emission unit AFURNC is associated with the following emission points (EP):

00002, 00003

Process: FRN is located at First Floor, Building MAIN - The facility has two continuous furnaces (A & B) which melt the raw materials, or "batch." Natural gas is the fuel for the furnace burners. Each furnace has a single stack. Each furnace has a refiner in which the molten glass is heat conditioned for delivery to the forming process. Each furnace also has alcoves and forehearths which transport the refined glass to the forming process. The refiners, alcoves, and forehearths vent inside the glass manufacturing area. The refiners, alcoves, and forehearths are fueled by natural gas.

Emission unit ARAWMT - Raw material receive/storage (RMRS) - 4 unloading pits, 2 conveyors, 2 elevators, 15 bins, silo, and dust collector for the sand unloading elevator (DC022). Raw material blend/mix (RMBM) - 1 conveyor, 1 elevator, 1 12,000-lb bin (A bin), 1 5-yd mixer, 2 batch chargers, and 1 minor ingredient mixer. A dust collector for RMBM weigh bin (DC005). Cullet processing system (CULLT) - dust collector for the processed cullet conveyor (DC021). A central vacuum system for RMRS, RMBM, and CULLT housekeeping (RMCVS). A dust collector (DC023) for the central vacuum system.

Emission unit ARAWMT is associated with the following emission points (EP):

00005, 00021, 00022, 00023

Process: BHK Batch plant housekeeping. Batch house operation (raw material receive/storage and raw material blend/mix) and maintenance activities result in small accumulations of off-specification raw materials. So as to not rely on manual sweeping and shoveling, a central vacuum system is used for housekeeping. The central vacuum system is equipped with a baghouse.

Process: RAW is located at 1, Building BATCHHOUSE - Raw material receive/storage. The facility receives raw materials via truck and rail, and stores them in designated areas. The large quantity raw materials (e.g. sand, salt cake, limestone, soda ash and cullet) are conveyed from the truck or rail unloading area to an elevator which deposits them into silos. Raw material blend/mix. Conveyors transport the raw materials from their respective silo(s) to a weigh bin/hopper (A bin). The weigh bin is equipped with a baghouse. Collected particulate is recycled back into the system. Raw materials used in small quantities (e.g. color additives) are stored in containers and are manually fed into the mixers when needed. The raw materials are blended in mixers. The raw materials from the A bin enter the mixer along with liquid which is pumped from the glass cooling water system. Batch cans then transport the mixed raw materials into the batch chargers which feed the glass melting furnaces. There are also dust collectors located at the processed cullet conveyor and the sand unloading elevator.

Emission unit ABOTTL - Five (5) bottle forming machines. One (1) coating booth for applying a glass release coating to molds as part of the mold preparation process. Five (5) hot end surface treatment (HEST) processes. The HEST units vent to a common abatement system. Five (5) cold end treatment processes. Seven (7) bottle coders.

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Emission unit ABOTTL is associated with the following emission points (EP):  
 00013

Process: BTL is located at 1, Building MAIN - Refined glass from the furnace is sheared and gobbled and placed in a prepared mold. Mold swabbing with a graphite/oil solution is performed periodically as part of the continual mold maintenance process.

Process: FNL is located at 1, Building MAIN - The final bottle treatment can include cold end treatment (various coatings which help protect the bottles), bottle coding and packaging. The DFE (1,1-difluoroethane) unit treats the inside of the glass bottles and containers. The process consists of applying a pulse of DFE/Air mixture into each glass container shortly after it is made in order to achieve the desired glass properties. A bottle coder prints identification numbers on the glass containers. This device uses methyl ethyl ketone (MEK) as a solvent and as a major component in the ink. These sources use very little solvent.

Process: HST is located at 1, Building MAIN - Following the forming process, hot molded glass is treated in the hot end surface treatment (HEST) process. Liquid monobutyltin trichloride (MBTT) is received at the plant and pumped into the five (5) coating hoods at a maximum rate of 3.0 pounds per hour per hood. Each coating hood is heated causing the MBTT to vaporize upon introduction into the hoods. This forms a "tin rich" atmosphere inside the hoods. It is believed that approximately 1/3 of the MBTT reacts with the glass bottle creating a thin layer of tin on the bottle. The exhaust is combined with a controlled amount of ammonia. The ammonia forms a precipitate that will be captured as particulate in the dust collector baghouse. Unreacted ammonia vents with the baghouse exhaust.

**Title V/Major Source Status**

OWENS-BROCKWAY GLASS CONTAINER INC is subject to Title V requirements. This determination is based on the following information:

The facility is a major source of NOx and Sulfur Dioxide.

**Program Applicability**

The following chart summarizes the applicability of OWENS-BROCKWAY GLASS CONTAINER INC with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	YES
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES

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SIP	YES
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**NOTES:**

**PSD** Prevention of Significant Deterioration (40 CFR 52.21, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NSR** New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NESHAP** National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

**MACT** Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

**NSPS** New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

**Title IV Acid Rain Control Program** (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

**Title VI Stratospheric Ozone Protection** (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

**RACT** Reasonably Available Control Technology (6 NYCRR Parts 212-3, 220-1.6, 220-1.7, 220-2.3, 220-2.4, 226, 227-2, 228, 229, 230, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

**SIP** State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as

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the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

**Compliance Status**

Facility is in compliance with all requirements.

**SIC Codes**

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

<b>SIC Code</b>	<b>Description</b>
3221	GLASS CONTAINERS

**SCC Codes**

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information. Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

<b>SCC Code</b>	<b>Description</b>
3-05-014-02	MINERAL PRODUCTS MINERAL PRODUCTS - GLASS MANUFACTURE Container Glass: Melting Furnace
3-05-014-06	MINERAL PRODUCTS MINERAL PRODUCTS - GLASS MANUFACTURE Container Glass: Forming/Finishing
3-05-014-10	MINERAL PRODUCTS MINERAL PRODUCTS - GLASS MANUFACTURE Raw Material Handling (All Types of Glass)

**Facility Emissions Summary**

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total

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emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

<b>Cas No.</b>	<b>Contaminant</b>	<b>PTE lbs/yr</b>	<b>PTE tons/yr</b>	<b>Actual lbs/yr</b>	<b>Actual tons/yr</b>
000112-80-1	9-OCTADECANOIC ACID C18H34O2		0.022	30	
001344-28-1	ALUMINUM OXIDE		0.36	593	
007664-41-7	AMMONIA		1.4	2368	
012125-02-9	AMMONIUM CHLORIDE		0.29	483	
007440-38-2	ARSENIC		0.015	26	
007440-41-7	BERYLLIUM		0.000015	0.026	
000106-97-8	BUTANE		5.8	9687	
007440-43-9	CADMIUM		0.011	19	
000124-38-9	CARBON DIOXIDE		121386	166794423	
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS		121388	166912149	
000630-08-0	CARBON MONOXIDE		69	88156	
007440-47-3	CHROMIUM		0.00028	0.47	
007440-48-4	COBALT		0.00023	0.004	
065997-17-3	GLASS OXIDE		3.5	6568	
007647-01-0	HYDROGEN CHLORIDE		0.27	452	
007664-39-3	HYDROGEN FLUORIDE		0.052	104	
001332-37-2	IRON OXIDE		0.042	70	
007439-92-1	LEAD		0.1	174	
001317-65-3	LIMESTONE		2.5	4473	
007439-96-5	MANGANESE		0.015	26	
007439-97-6	MERCURY		0.0025	0.43	
000074-82-8	METHANE		1.81	2359	
064742-53-6	NAPHTHA (PETROLEUM) HYDROTREATED LIGHT		2.63	3629	
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS		0.0047	8.2	
010024-97-2	NITROUS OXIDE		0.018	236	
0NY210-00-0	OXIDES OF NITROGEN		358	557132	
0NY075-00-0	PARTICULATES		48	75836	
064741-88-4	PETROLEUM DISTILLATES (HEAVY, PARAFFINIC)		0.24	328	
0NY075-00-5	PM-10		48	75836	
0NY075-02-5	PM-2.5		48	75836	
001310-58-3	POTASSIUM HYDROXIDE		0.0043	6	
014808-60-7	QUARTZ		7.4	12917	
007782-49-2	SELENIUM		0.0048	7.5	
000497-19-8	SODIUM CARBONATE		2.5	4473	
002273-43-0	STANNE, BUTYL HYDROXYOXO		1.1	1885	

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007446-09-5	SULFUR DIOXIDE	216	365060
007664-93-9	SULFURIC ACID	11	18248
007757-82-6	SULFURIC ACID DISODIUM SALT	88	146720
007778-18-9	SULFURIC ACID, CALCIUM SALT CA.H2O4S	12	20141
0NY100-00-0	TOTAL HAP	2.4	3481
0NY998-00-0	VOC	14	19482

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Item B: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**



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It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item G: Property Rights - 6 NYCRR 201-6.4(a)(6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

**Item H: Severability - 6 NYCRR Part 201-6.4(a)(9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

**Item I: Permit Shield - 6 NYCRR Part 201-6.4(g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Item J: Reopening for Cause - 6 NYCRR Part 201-6.4(i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a

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material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item K: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item L: Federally Enforceable Requirements - 40 CFR 70.6(b)**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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- (a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - (1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
  - (2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
  - (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
  - (4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- (b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.
- (c) This provision is in addition to any emergency or upset provision contained in any applicable requirement. item\_02

**Item B: General Provisions for State Enforceable Permit Terms and Condition - 6  
NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Regulatory Analysis**

<b>Location Facility/EU/EP/Process/ES</b>	<b>Regulation</b>	<b>Condition</b>	<b>Short Description</b>
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FACILITY	ECL 19-0301	42	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 60-A	27	General provisions
A-	40CFR 60-CC.292	41	Glass melting

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FURNC/00003/FRN/FRNA2			furnaces - standards for particulate matter
FACILITY	40CFR 63-A	28	Subpart A - General Provisions apply to all NESHAP affected sources
FACILITY	40CFR 63-ZZZZ	29	Reciprocating Internal Combustion Engine (RICE) NESHAP
FACILITY	40CFR 68	17	Chemical accident prevention provisions
FACILITY	40CFR 82-F	18	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
A-FURNC/00002/FRN/FURNB	6NYCRR 200.6	32	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	9	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	43, 44	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	10	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	11	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	12	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	13	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	19, 30, 31	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (4)	14	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4 (a) (7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (a) (8)	15	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4 (c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4 (c) (2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4 (c) (3) (ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (d) (4)	20	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4 (f)	21	Operational Flexibility
FACILITY	6NYCRR 201-6.4 (f) (2)	22	Operational Flexibility - Protocol
FACILITY	6NYCRR 201-6.5 (a)	45	State Enforceable

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FACILITY	6NYCRR 202-1.1	16	Requirements Required emissions tests.
FACILITY	6NYCRR 202-2.4 (a) (3)	23	Emission statement methods and procedures
FACILITY	6NYCRR 202-2.5	7	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	46	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	24	General Prohibitions - visible emissions limited.
A- FURNC/00002/FRN/FURNB	6NYCRR 212-1.5 (d)	33	BACT or T-BACT for process emission sources
A- FURNC/00003/FRN/FRNA2	6NYCRR 212-1.5 (d)	37	BACT or T-BACT for process emission sources
A- FURNC/00003/FRN/FRNA2	6NYCRR 212-1.5 (e) (1)	38	Demonstrating compliance with Part 212 through the federal NSPS
FACILITY	6NYCRR 212-1.6 (a)	25	Limiting of Opacity
A- FURNC/00002/FRN/FURNB	6NYCRR 212-1.6 (a)	34	Limiting of Opacity
FACILITY	6NYCRR 212-2.4 (b)	26	Control of Particulate from New and Modified Process Emission Sources
A- FURNC/00002/FRN/FURNB	6NYCRR 212-2.4 (b)	35	Control of Particulate from New and Modified Process Emission Sources
A- FURNC/00003/FRN/FRNA2	6NYCRR 212-2.4 (b)	39	Control of Particulate from New and Modified Process Emission Sources
FACILITY	6NYCRR 215.2	8	Open Fires - Prohibitions
A- FURNC/00002/FRN/FURNB	6NYCRR 220-2.4 (b)	36	Furnace NOx monitoring.
A- FURNC/00003/FRN/FRNA2	6NYCRR 220-2.4 (b)	40	Furnace NOx monitoring.

**Applicability Discussion:**

**Mandatory Requirements:** The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and

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procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

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6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (4)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or

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permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

**Facility Specific Requirements**

In addition to Title V, OWENS-BROCKWAY GLASS CONTAINER INC has been determined to be subject to the following regulations:

40 CFR 60.292

This condition sets the particulate emissions standard for glass melting furnaces which fire gaseous fuels, liquid fuels, or a combination of both.

40 CFR Part 60, Subpart A

This regulation contains the General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements

40 CFR Part 63, Subpart A

The General Provisions in 40 CFR Part 63, Subpart A apply to facilities subject to other National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAP) regulations in 40 CFR Part 63. These rules are also known as MACT rules since they are based on attaining Maximum Achievable Control Technology. Each MACT rule has a table or section that describe which portions of the General Provisions apply to facilities covered by that particular rule and which portions are overridden or do not apply. Note that NESHAP regulations found in 40 CFR Part 61 do not trigger the general provisions of 40 CFR Part 63.

40 CFR Part 63, Subpart ZZZZ

Subpart ZZZZ applies to reciprocating internal combustion engines. Sources subject to Subpart ZZZZ must limit emissions of carbon monoxide and formaldehyde. Sources must also comply with work practice standards and operating limits.

6 NYCRR 201-6.4 (f)



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This section describes the potential for certain operational changes to be made by the facility owner or operator without first obtaining a permit modification. Changes made pursuant to this provision must meet all of the criteria described in this section to qualify for consideration as operational flexibility. The Department reserves the right to require the facility owner or operator to obtain a permit modification prior to making any changes at the facility pursuant to this section.

6 NYCRR 201-6.4 (f) (2)

This section describes the requirements for operational flexibility protocols included in Title V permits. The facility owner or operator may make certain changes to the facility that have been reviewed and approved pursuant to the protocol without first obtaining a permit modification for those changes.

6 NYCRR 201-6.5 (a)

This section identifies state enforceable requirements for Title V permits.

6 NYCRR 202-2.4 (a) (3)

Once a facility is required to submit annual emission statements electronically, emission statements must be submitted to the department per the specified schedule, in this regulation beginning the reporting year that a Title V permit containing a condition mandating electronic submittal is issued.

6 NYCRR 211.1

This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 212-1.5 (d)

This provision allows for the department to specify a less restrictive permissible emission rate or degree of air cleaning for the process emission source or emission point than required under Subpart 212-2 in instances where a facility owner or operator can demonstrate to the satisfaction of the department that the facility owner will apply the Best Available Control Technology (BACT) for that criteria air contaminant or the Best Available Control Technology for a toxic air contaminant (T- BACT).

6 NYCRR 212-1.5 (e) (1)

A process emission source subject to a Federal New Source performance Standard satisfies the requirements of Part 212 for the respective air contaminant regulated by the Federal standard.

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6 NYCRR 212-1.6 (a)

This provisions requires that the facility owner or operator not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water.

6 NYCRR 212-2.4 (b)

Particulate emissions from any process emission source, which received a B or C Environmental Rating, and for which an application was received by the department after July 1, 1973 are restricted to 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

6 NYCRR 220-2.4 (b)

Compliance with the NO<sub>x</sub> RACT emission limit(s) established in subdivision 220-2.3(a) shall be demonstrated by measuring NO<sub>x</sub> emissions with a CEMS. The CEMS shall comply with the requirements of subdivision 220-2.4(c) or with equivalent requirements approved by the department.

**Compliance Certification**

**Summary of monitoring activities at OWENS-BROCKWAY GLASS CONTAINER INC:**

<b>Location Facility/EU/EP/Process/ES</b>	<b>Cond No.</b>	<b>Type of Monitoring</b>
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A-FURNC/00003/FRN/FRNA2	41	intermittent emission testing
A-FURNC/00002/FRN/FURNB	32	intermittent emission testing
FACILITY	44	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	22	record keeping/maintenance procedures
A-FURNC/00002/FRN/FURNB	33	work practice involving specific operations
A-FURNC/00003/FRN/FRNA2	37	continuous emission monitoring (cem)
FACILITY	25	monitoring of process or control device parameters as surrogate
A-FURNC/00002/FRN/FURNB	34	monitoring of process or control device parameters as surrogate
FACILITY	26	monitoring of process or control device parameters as surrogate
A-FURNC/00002/FRN/FURNB	35	intermittent emission testing
A-FURNC/00003/FRN/FRNA2	39	intermittent emission testing
A-FURNC/00002/FRN/FURNB	36	continuous emission monitoring (cem)
A-FURNC/00003/FRN/FRNA2	40	continuous emission monitoring (cem)
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**Basis for Monitoring**

**6NYCRR 200.6 Ambient Air Quality.** The facility has submitted an approved modeling analysis showing emissions of criteria pollutants will remain below ambient air quality standards. Limits and conditions in the permit ensure compliance with specific regulations AND compliance with ambient air quality standards.

**6NYCRR 212-1.5(e)(1)** Part 212 particulate emission standards do apply to a source (Furnace A) that is regulated for particulates by an NSPS in Part 60.

**6NYCRR 212-1.6(a): Opacity.** The facility performs daily visible emissions observations on all emissions points. In October 2018, the facility was issued a warning notice for repeated opacity exceedances and a failure to perform daily observations and maintain the log book was discovered at the August, 2018 FCE inspection. As a result, the facility was mandated to have certified Method 9 opacity readers at the facility and perform daily method 9 readings on emission points 00001 and 00002 for glass furnaces A and B respectively.

**6NYCRR 212-2.4 and 2.5**– The facility has demonstrated through modeling that emissions of all contaminants are acceptable and below state standards, annual guideline concentrations and short term guideline concentrations. Operation of the emission sources as described in the permit ensures continued compliance.

**6NYCRR 212-2.4 and 2.5**– The facility is considered a new or modified facility which commenced operations in 1978. It is listed as category ‘G’ glass production furnaces under Table 5. The facility’s production rate is not listed under Table 6. The facility should use the equation

$E = 0.24P^{0.67}$  for all process sources up to 100,000 lb/hr to determine their particulate emission limits where P= process rate in lb/hr and E = permissible emission rate (lb/hr).

**6NYCRR 220-2: Glass Plants** NOx RACT for a newly rebuilt furnace, Furnace A2, is 1.2 pounds of NOx/ton of glass produced. Owens will achieve this limitation through the use of an oxy-fuel furnace, and demonstrate continued compliance by use of a continuous emissions NOx monitor. NOx RACT for an existing furnace, Furnace B, is 4.0 pounds of NOx/ton of glass produced. Owens will lower the limit to the newly rebuilt limit upon the next rebuild of Furnace B, in approximately 5 years.