



Maryland
Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor
Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

Ms. Valeria Ezipke, Plant Manager
Bimbo Bakeries USA, Inc.
S.B. Thomas Facility
7110 English Muffin Way
Frederick, MD 21704

Dear Ms. Ezipke:

Re: Renewal Part 70/ Title V Operating Permit # 24-021-0234

Enclosed, please find the renewal Part 70/Title V Operating Permit and Fact Sheet for the Bimbo Bakeries USA, Inc.'s S.B. Thomas Facility located in Frederick, MD. The permit will expire on May 31, 2025.

The Code of Maryland Regulations (COMAR) 26.11.03.11 states the following:

If the Department denies a Part 70 permit or issues it with terms and conditions that are objectionable to the applicant, the applicant may request that a contested case hearing be held regarding the permit. This request shall be made to the Department in writing not later than 15 days after the applicant receives notice that the permit has been denied or of the objectionable terms and conditions. The request shall include the basis for the request and refer to any objectionable terms and conditions.

Please note the following revised condition in the Permit under Section II, General Conditions, Number 5, Permit Renewal:

The Permittee shall submit to the Department a completed application for renewal of this Part 70 permit 12 months before the expiration of the permit. Upon submitting a complete application, the Permittee may continue to operate this facility pending final action by the Department on the renewal.

If you have any questions, please feel free to contact Ms. Sarah Wells, the permit manager for this facility, at (410) 537-3230 or at sarah.wells@maryland.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Suna Yi Sariscak".

Suna Yi Sariscak, Manager
Air Quality Permits Program
Air & Radiation Administration

SYS/jm

Enclosures

cc: EPA Region III (w/encl)



Larry Hogan
Governor

DEPARTMENT OF THE ENVIRONMENT

Ben Grumbles
Secretary

Air and Radiation Administration
1800 Washington Boulevard, Suite 720
Baltimore, MD 21230

Construction Permit

Operating Permit

PERMIT NO. 24-021-0234

DATE ISSUED June 1, 2020

PERMIT FEE To Be Paid in Accordance
With COMAR 26.11.02.19B

EXPIRATION DATE May 31, 2025

LEGAL OWNER & ADDRESS

Bimbo Bakeries USA, Inc.
7110 English Muffin Way
Frederick, MD 21704
Attn: Ms. Valeria Ezipke, Plant Manager

SITE

Bimbo Bakeries USA, Inc.
7110 English Muffin Way
Frederick, MD 21704
AI # 325

SOURCE DESCRIPTION

One (1) bakery facility consisting of two (2) boilers, four (4) commercial baking ovens, two (2) vacuum systems for reclaiming farina, and ten (10) Silos for storage of white flour, wheat flour, and farina.

This source is subject to the conditions described on the attached pages.

[Signature]
Program Manager

[Signature]
Director, Air and Radiation Administration

BIMBO BAKERIES USA, INC. – S. B. THOMAS FACILITY
7110 ENGLISH MUFFIN WAY
FREDERICK, MD 21704
PART 70 OPERATING PERMIT NO. 24-021-0234

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SECTION I SOURCE IDENTIFICATION

1. DESCRIPTION OF FACILITY

Bimbo Bakeries USA, Inc. – S. B. Thomas facility is located in Frederick, MD, and is a commercial baking facility utilizing a sponge dough process to produce several varieties of English Muffins.

Flour, water and yeast are mixed and allowed to ferment for 2 hours. Additional ingredients, such as fruit, are added to the fermented dough and the mixture is charged into a hopper. Dough pieces are cut from a divider and the pieces are dropped onto trays that are covered with farina (coarsely ground wheat). The loaded tray is then transferred to a proof box for a half an hour. The proofed dough pieces are transferred to an oven where they are baked for approximately 5 minutes. Each production line has its own oven, and each oven is vented to atmosphere. Finished muffins are transferred to a spiral cooler for 25 minutes and then packaged for shipment. The primary SIC code for the facility is 2051.

The facility operates a wastewater pre-treatment plant that uses an aerobic and anaerobic process in plant wastewater before the wastewater is discharged to the Frederick County wastewater treatment plant. The Plant discharges approximately 10,000 gallons per day to the Frederick County wastewater treatment plant.

2. FACILITY INVENTORY LIST

Emissions Unit Number	ARA Registration Number	Emissions Unit Name and Description	Date of Installation
A-01	5-0293	One (1) Johnston Boiler Company model PFTA250-4G150S boiler, 9.8 MMBtu/hr maximum heat input, burns natural gas only	10/2003
A-02	5-0333	One (1) Johnston Boiler Company model PFTA250-4G150S boiler, 9.8 MMBtu/hr maximum heat input, burns natural gas only	12/2004
B-01	8-0081	Baking Oven No. 1, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2 MMBtu/hr maximum heat input	06/1977
B-02	8-0082	Baking Oven No. 2, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2 MMBtu/hr maximum heat input	06/1977

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B-03	8-0083	Baking Oven No. 3, APV Baker Continuous Band Baking Oven, input rate of 2520 dozen muffins per hour, 3.7 MMBtu/hr maximum heat input	02/1996
B-04	8-0084	Baking Oven No. 4, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2 MMBtu/hr maximum heat input	03/1991
E-01	8-0085	One (1) vacuum system that reclaims unburned (recyclable) farina	06/1977
F-01	8-0086	One (1) vacuum system that reclaims burnt (non-recyclable) farina for disposal	06/1977
C-01	9-0219	Ten (10) silos for storage of white flour, wheat flour, and farina; includes eight (8) silos with nominal capacities of 100,000 pounds each, and two (2) silos with nominal capacities of 80,000 pounds each	06/1977 or later

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SECTION II GENERAL CONDITIONS

1. DEFINITIONS

[COMAR 26.11.01.01] and [COMAR 26.11.02.01]

The words or terms in this Part 70 permit shall have the meanings established under COMAR 26.11.01 and .02 unless otherwise stated in this permit.

2. ACRONYMS

ARA	Air and Radiation Administration
BACT	Best Available Control Technology
Btu	British thermal unit
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEM	Continuous Emissions Monitor
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COMAR	Code of Maryland Regulations
EPA	United States Environmental Protection Agency
FR	Federal Register
gr	grains
HAP	Hazardous Air Pollutant
MACT	Maximum Achievable Control Technology
MDE	Maryland Department of the Environment
MVAC	Motor Vehicle Air Conditioner
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards
NSR	New Source Review
OTR	Ozone Transport Region
PM	Particulate Matter
PM10	Particulate Matter with Nominal Aerodynamic Diameter of 10 micrometers or less
ppm	parts per million
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PTC	Permit to construct
PTO	Permit to operate (State)
SIC	Standard Industrial Classification
SO ₂	Sulfur Dioxide

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TAP	Toxic Air Pollutant
tpy	tons per year
VE	Visible Emissions
VOC	Volatile Organic Compounds

3. EFFECTIVE DATE

The effective date of the conditions in this Part 70 permit is the date of permit issuance, unless otherwise stated in the permit.

4. PERMIT EXPIRATION

[COMAR 26.11.03.13B(2)]

Upon expiration of this permit, the terms of the permit will automatically continue to remain in effect until a new Part 70 permit is issued for this facility provided that the Permittee has submitted a timely and complete application and has paid applicable fees under COMAR 26.11.02.16.

Otherwise, upon expiration of this permit the right of the Permittee to operate this facility is terminated.

5. PERMIT RENEWAL

[COMAR 26.11.03.02B(3)] and [COMAR 26.11.03.02E]

The Permittee shall submit to the Department a completed application for renewal of this Part 70 permit at least 12 months before the expiration of the permit. Upon submitting a completed application, the Permittee may continue to operate this facility pending final action by the Department on the renewal.

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall submit such supplementary facts or corrected information no later than 10 days after becoming aware that this occurred. The Permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a completed application was submitted, but prior to the release of a draft permit. This information shall be submitted to the Department no later than 20 days after a new requirement has been adopted.

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6. CONFIDENTIAL INFORMATION

[COMAR 26.11.02.02G]

In accordance with the provisions of the State Government Article, Sec. 10-611 et seq., Annotated Code of Maryland, all information submitted in an application shall be considered part of the public record and available for inspection and copying, unless the Permittee claims that the information is confidential when it is submitted to the Department. At the time of the request for inspection or copying, the Department will make a determination with regard to the confidentiality of the information. The Permittee, when requesting confidentiality, shall identify the information in a manner specified by the Department and, when requested by the Department, promptly provide specific reasons supporting the claim of confidentiality. Information submitted to the Department without a request that the information be deemed confidential may be made available to the public. Subject to approval of the Department, the Permittee may provide a summary of confidential information that is suitable for public review. The content of this Part 70 permit is not subject to confidential treatment.

7. PERMIT ACTIONS

[COMAR 26.11.03.06E(3)] and [COMAR 26.11.03.20(A)]

This Part 70 permit may be revoked or reopened and revised for cause. The filing of an application by the Permittee for a permit revision or renewal; or a notification of termination, planned changes or anticipated noncompliance by the facility, does not stay a term or condition of this permit.

The Department shall reopen and revise, or revoke the Permittee's Part 70 permit under the following circumstances:

- a. Additional requirements of the Clean Air Act become applicable to this facility and the remaining permit term is 3 years or more;
- b. The Department or the EPA determines that this Part 70 permit contains a material mistake, or is based on false or inaccurate information supplied by or on behalf of the Permittee;

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- c. The Department or the EPA determines that this Part 70 permit must be revised or revoked to assure compliance with applicable requirements of the Clean Air Act; or
- d. Additional requirements become applicable to an affected source under the Federal Acid Rain Program.

8. PERMIT AVAILABILITY

[COMAR 26.11.02.13G]

The Permittee shall maintain this Part 70 permit in the vicinity of the facility for which it was issued, unless it is not practical to do so, and make this permit immediately available to officials of the Department upon request.

9. REOPENING THE PART 70 PERMIT FOR CAUSE BY THE EPA

[COMAR 26.11.03.20B]

The EPA may terminate, modify, or revoke and reissue a permit for cause as prescribed in 40 CFR §70.7(g)

10. TRANSFER OF PERMIT

[COMAR 26.11.02.02E]

The Permittee shall not transfer this Part 70 permit except as provided in COMAR 26.11.03.15.

11. REVISION OF PART 70 PERMITS – GENERAL CONDITIONS

[COMAR 26.11.03.14] and [COMAR 26.11.03.06A(8)]

- a. The Permittee shall submit an application to the Department to revise this Part 70 permit when required under COMAR 26.11.03.15 -.17.
- b. When applying for a revision to a Part 70 permit, the Permittee shall comply with the requirements of COMAR 26.11.03.02 and .03 except that the application for a revision need include only information listed that is related to the proposed change to the source and revision to

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the permit. This information shall be sufficient to evaluate the proposed change and to determine whether it will comply with all applicable requirements of the Clean Air Act.

- c. The Permittee may not change any provision of a compliance plan or schedule in a Part 70 permit as an administrative permit amendment or as a minor permit modification unless the change has been approved by the Department in writing.
- d. A permit revision is not required for a change that is provided for in this permit relating to approved economic incentives, marketable permits, emissions trading, and other similar programs.

12. SIGNIFICANT PART 70 OPERATING PERMIT MODIFICATIONS

[COMAR 26.11.03.17]

The Permittee may apply to the Department to make a significant modification to its Part 70 Permit as provided in COMAR 26.11.03.17 and in accordance with the following conditions:

- a. A significant modification is a revision to the federally enforceable provisions in the permit that does not qualify as an administrative permit amendment under COMAR 26.11.03.15 or a minor permit modification as defined under COMAR 26.11.03.16.
- b. This permit does not preclude the Permittee from making changes, consistent with the provisions of COMAR 26.11.03, that would make the permit or particular terms and conditions of the permit irrelevant, such as by shutting down or reducing the level of operation of a source or of an emissions unit within the source. Air pollution control equipment shall not be shut down or its level of operation reduced if doing so would violate any term of this permit.
- c. Significant permit modifications are subject to all requirements of COMAR 26.11.03 as they apply to permit issuance and renewal, including the requirements for applications, public participation, and review by affected states and EPA, except:
 - (1) An application need include only information pertaining to the proposed change to the source and modification of this permit, including a description of the change and modification, and any

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new applicable requirements of the Clean Air Act that will apply if the change occurs;

- (2) Public participation, and review by affected states and EPA, is limited to only the application and those federally enforceable terms and conditions of the Part 70 permit that are affected by the significant permit modification.
- d. As provided in COMAR 26.11.03.15B(5), an administrative permit amendment may be used to make a change that would otherwise require a significant permit modification if procedures for enhanced preconstruction review of the change are followed that satisfy the requirements of 40 CFR 70.7(d)(1)(v).
- e. Before making a change that qualifies as a significant permit modification, the Permittee shall obtain all permits-to-construct and approvals required by COMAR 26.11.02.
- f. The Permittee shall not make a significant permit modification that results in a violation of any applicable requirement of the Clean Air Act.
- g. The permit shield in COMAR 26.11.03.23 applies to a final significant permit modification that has been issued by the Department, to the extent applicable under COMAR 26.11.03.23.

13. MINOR PERMIT MODIFICATIONS

[COMAR 26.11.03.16]

The Permittee may apply to the Department to make a minor modification to the federally enforceable provisions of this Part 70 permit as provided in COMAR 26.11.03.16 and in accordance with the following conditions:

- a. A minor permit modification is a Part 70 permit revision that:
 - (1) Does not result in a violation of any applicable requirement of the Clean Air Act;
 - (2) Does not significantly revise existing federally enforceable monitoring, including test methods, reporting, record keeping, or compliance certification requirements except by:

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- (a) Adding new requirements,
 - (b) Eliminating the requirements if they are rendered meaningless because the emissions to which the requirements apply will no longer occur, or
 - (c) Changing from one approved test method for a pollutant and source category to another;
- (3) Does not require or modify a:
- (a) Case-by-case determination of a federally enforceable emissions standard,
 - (b) Source specific determination for temporary sources of ambient impacts, or
 - (c) Visibility or increment analysis;
- (4) Does not seek to establish or modify a federally enforceable permit term or condition for which there is no corresponding underlying applicable requirement of the Clean Air Act, but that the Permittee has assumed to avoid an applicable requirement to which the source would otherwise be subject, including:
- (a) A federally enforceable emissions standard applied to the source pursuant to COMAR 26.11.02.03 to avoid classification as a Title I modification; and
 - (b) An alternative emissions standard applied to an emissions unit pursuant to regulations promulgated under Section 112(i)(5) of the Clean Air Act
- (5) Is not a Title I modification; and
- (6) Is not required under COMAR 26.11.03.17 to be processed as a significant modification to this Part 70 permit.
- b. Application for a Minor Permit Modification

The Permittee shall submit to the Department an application for a minor permit modification that satisfies the requirements of COMAR 26.11.03.03 which includes the following:

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- (1) A description of the proposed change, the emissions resulting from the change, and any new applicable requirements that will apply if the change is made;
- (2) The proposed minor permit modification;
- (3) Certification by a responsible official, in accordance with COMAR 26.11.02.02F, that:
 - (a) The proposed change meets the criteria for a minor permit modification, and
 - (b) The Permittee has obtained or applied for all required permits-to-construct required by COMAR 26.11.03.16 with respect to the proposed change;
- (4) Completed forms for the Department to use to notify the EPA and affected states, as required by COMAR 26.11.03.07-.12.

c. Permittee's Ability to Make Change

- (1) For changes proposed as minor permit modifications to this permit that will require the applicant to obtain a permit to construct, the permit to construct must be issued prior to the new change.
- (2) During the period of time after the Permittee applies for a minor modification but before the Department acts in accordance with COMAR 26.11.03.16F(2):
 - (a) The Permittee shall comply with applicable requirements of the Clean Air Act related to the change and the permit terms and conditions described in the application for the minor modification.
 - (b) The Permittee is not required to comply with the terms and conditions in the permit it seeks to modify. If the Permittee fails to comply with the terms and conditions in the application during this time, the terms and conditions of both this permit and the application for modification may be enforced against it.

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- d. The Permittee is subject to enforcement action if it is determined at any time that a change made under COMAR 26.11.03.16 is not within the scope of this regulation.
- e. Minor permit modification procedures may be used for Part 70 permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, but only to the extent that the minor permit modification procedures are explicitly provided for in regulations approved by the EPA as part of the Maryland SIP or in other applicable requirements of the Clean Air Act.

14. ADMINISTRATIVE PART 70 OPERATING PERMIT AMENDMENTS

[COMAR 26.11.03.15]

The Permittee may apply to the department to make an administrative permit amendment as provided in COMAR 26.11.03.15 and in accordance with the following conditions:

- a. An application for an administrative permit amendment shall:
 - (1) Be in writing;
 - (2) Include a statement certified by a responsible official that the proposed amendment meets the criteria in COMAR 26.11.03.15 for an administrative permit amendment, and
 - (3) Identify those provisions of this part 70 permit for which the amendment is requested, including the basis for the request.
- b. An administrative permit amendment:
 - (1) Is a correction of a typographical error;
 - (2) Identifies a change in the name, address, or phone number of a person identified in this permit, or a similar administrative change involving the Permittee or other matters which are not directly related to the control of air pollution;
 - (3) requires more frequent monitoring or reporting by the Permittee;

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- (4) Allows for a change in ownership or operational control of a source for which the Department determines that no other revision to the permit is necessary and is documented as per COMAR 26.11.03.15B(4);
 - (5) Incorporates into this permit the requirements from preconstruction review permits or approvals issued by the Department in accordance with COMAR 26.11.03.15B(5), but only if it satisfies 40 CFR 70.7(d)(1)(v);
 - (6) Incorporates any other type of change, as approved by the EPA, which is similar to those in COMAR 26.11.03.15B(1)—(4);
 - (7) Notwithstanding COMAR 26.11.03.15B(1)—(6), all modifications to acid rain control provisions included in this Part 70 permit are governed by applicable requirements promulgated under Title IV of the Clean Air Act; or
 - (8) Incorporates any change to a term or condition specified as State-only enforceable, if the Permittee has obtained all necessary permits-to-construct and approvals that apply to the change.
- c. The Permittee may make the change addressed in the application for an administrative amendment upon receipt by the Department of the application, if all permits-to-construct or approvals otherwise required by COMAR 26.11.02 prior to making the change have first been obtained from the Department.
 - d. The permit shield in COMAR 26.11.03.23 applies to administrative permit amendments made under Section B(5) of COMAR 26.11.03.15 , but only after the Department takes final action to revise the permit.
 - e. The Permittee is subject to enforcement action if it is determined at any time that a change made under COMAR 26.11.03.15 is not within the scope of this regulation.

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15. OFF-PERMIT CHANGES TO THIS SOURCE

[COMAR 26.11.03.19]

The Permittee may make off-permit changes to this facility as provided in COMAR 26.11.03.19 and in accordance with the following conditions:

- a. The Permittee may make a change to this permitted facility that is not addressed or prohibited by the federally enforceable conditions of this Part 70 permit without obtaining a Part 70 permit revision if:
 - (1) The Permittee has obtained all permits and approvals required by COMAR 26.11.02 and .03;
 - (2) The change is not subject to any requirements under Title IV of the Clean Air Act;
 - (3) The change is not a Title I modification; and
 - (4) The change does not violate an applicable requirement of the Clean Air Act or a federally enforceable term or condition of the permit.
- b. For a change that qualifies under COMAR 26.11.03.19, the Permittee shall provide contemporaneous written notice to the Department and the EPA, except for a change to an emissions unit or activity that is exempt from the Part 70 permit application, as provided in COMAR 26.11.03.04. This written notice shall describe the change, including the date it was made, any change in emissions, including the pollutants emitted, and any new applicable requirements of the Clean Air Act that apply as a result of the change.
- c. Upon satisfying the requirements of COMAR 26.11.03.19, the Permittee may make the proposed change.
- d. The Permittee shall keep a record describing:
 - (1) Changes made at the facility that result in emissions of a regulated air pollutant subject to an applicable requirement of the Clean Air Act , but not otherwise regulated under this permit; and
 - (2) The emissions resulting from those changes.

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- e. Changes that qualify under COMAR 26.11.03.19 are not subject to the requirements for Part 70 revisions.
- f. The Permittee shall include each off-permit change under COMAR 26.11.03.19 in the application for renewal of the part 70 permit.
- g. The permit shield in COMAR 26.11.03.23 does not apply to off-permit changes made under COMAR 26.11.03.19.
- h. The Permittee is subject to enforcement action if it is determined that an off-permit change made under COMAR 26.11.03.19 is not within the scope of this regulation.

16. ON-PERMIT CHANGES TO SOURCES

[COMAR 26.11.03.18]

The Permittee may make on-permit changes that are allowed under Section 502(b)(10) of the Clean Air Act as provided in COMAR 26.11.03.18 and in accordance with the following conditions:

- a. The Permittee may make a change to this facility without obtaining a revision to this Part 70 permit if:
 - (1) The change is not a Title I modification;
 - (2) The change does not result in emissions in excess of those expressly allowed under the federally enforceable provisions of the Part 70 permit for the permitted facility or for an emissions unit within the facility, whether expressed as a rate of emissions or in terms of total emissions;
 - (3) The Permittee has obtained all permits and approvals required by COMAR 26.11.02 and .03;
 - (4) The change does not violate an applicable requirement of the Clean Air Act;
 - (5) The change does not violate a federally enforceable permit term or condition related to monitoring, including test methods, record keeping, reporting, or compliance certification requirements;

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- (6) The change does not violate a federally enforceable permit term or condition limiting hours of operation, work practices, fuel usage, raw material usage, or production levels if the term or condition has been established to limit emissions allowable under this permit;
 - (7) If applicable, the change does not modify a federally enforceable provision of a compliance plan or schedule in this Part 70 permit unless the Department has approved the change in writing; and
 - (8) This permit does not expressly prohibit the change under COMAR 26.11.03.18.
- b. The Permittee shall notify the Department and the EPA in writing of a proposed on-permit change under COMAR 26.11.03.18 not later than 7 days before the change is made. The written information shall include the following information:
- (1) A description of the proposed change;
 - (2) The date on which the change is proposed to be made;
 - (3) Any change in emissions resulting from the change, including the pollutants emitted;
 - (4) Any new applicable requirement of the Clean Air Act; and
 - (5) Any permit term or condition that would no longer apply.
- c. The responsible official of this facility shall certify in accordance with COMAR 26.11.02.02F that the proposed change meets the criteria for the use of on-permit changes under COMAR 26.11.03.18.
- d. The Permittee shall attach a copy of each notice required by condition b. above to this Part 70 permit.
- e. On-permit changes that qualify under COMAR 26.11.03.18 are not subject to the requirements for part 70 permit revisions.
- f. Upon satisfying the requirements under COMAR 26.11.03.18, the Permittee may make the proposed change.

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- g. The permit shield in COMAR 26.11.03.23 does not apply to on-permit changes under COMAR 26.11.03.18.
- h. The Permittee is subject to enforcement action if it is determined that an on-permit change made under COMAR 26.11.03.18 is not within the scope of the regulation or violates any requirement of the State air pollution control law.

17. FEE PAYMENT

[COMAR 26.11.02.16A(2) & (5)(b)]

- a. The fee for this Part 70 permit is as prescribed in Regulation .19 of COMAR 26.11.02.
- b. The fee is due on and shall be paid on or before each 12-month anniversary date of the permit.
- c. Failure to pay the annual permit fee constitutes cause for revocation of the permit by the Department.

18. REQUIREMENTS FOR PERMITS-TO-CONSTRUCT AND APPROVALS

[COMAR 26.11.02.09.]

The Permittee may not construct or modify or cause to be constructed or modified any of the following sources without first obtaining, and having in current effect, the specified permits-to-construct and approvals:

- a. New Source Review source, as defined in COMAR 26.11.01.01, approval required, except for generating stations constructed by electric companies;
- b. Prevention of Significant Deterioration source, as defined in COMAR 26.11.01.01, approval required, except for generating stations constructed by electric companies;
- c. New Source Performance Standard source, as defined in COMAR 26.11.01.01, permit to construct required, except for generating stations constructed by electric companies;

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- d. National Emission Standards for Hazardous Air Pollutants source, as defined in COMAR 26.11.01.01, permit to construct required, except for generating stations constructed by electric companies;
- e. A stationary source of lead that discharges one ton per year or more of lead or lead compounds measured as elemental lead, permit to construct required, except for generating stations constructed by electric companies;
- f. All stationary sources of air pollution, including installations and air pollution control equipment, except as listed in COMAR 26.11.02.10, permit to construct required;
- g. In the event of a conflict between the applicability of (a.— e.) above and an exemption listed in COMAR 26.11.02.10, the provision that requires a permit applies.
- h. Approval of a PSD or NSR source by the Department does not relieve the Permittee obtaining an approval from also obtaining all permits-to-construct required by (c.— g.) above.

19. CONSOLIDATION OF PROCEDURES FOR PUBLIC PARTICIPATION

[COMAR 26.11.02.11C] and [COMAR 26.11.03.01K]

The Permittee may request the Department to authorize special procedures for the Permittee to apply simultaneously, to the extent possible, for a permit to construct and a revision to this permit.

These procedures may provide for combined public notices, informational meetings, and public hearings for both permits but shall not adversely affect the rights of a person, including EPA and affected states, to obtain information about the application for a permit, to comment on an application, or to challenge a permit that is issued.

These procedures shall not alter any existing permit procedures or time frames.

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20. PROPERTY RIGHTS

[COMAR 26.11.03.06E(4)]

This Part 70 permit does not convey any property rights of any sort, or any exclusive privileges.

21. SEVERABILITY

[COMAR 26.11.03.06A(5)]

If any portion of this Part 70 permit is challenged, or any term or condition deemed unenforceable, the remainder of the requirements of the permit continues to be valid.

22. INSPECTION AND ENTRY

[COMAR 26.11.03.06G(3)]

The Permittee shall allow employees and authorized representatives of the Department, the EPA, and local environmental health agencies, upon presentation of credentials or other documents as may be required by law, to:

- a. Enter at a reasonable time without delay and without prior notification the Permittee's property where a Part 70 source is located, emissions-related activity is conducted, or records required by this permit are kept;
- b. Have access to and make copies of records required by the permit;
- c. Inspect all emissions units within the facility subject to the permit and all related monitoring systems, air pollution control equipment, and practices or operations regulated or required by the permit; and
- d. Sample or monitor any substances or parameters at or related to the emissions units at the facility for the purpose of determining compliance with the permit.

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23. DUTY TO PROVIDE INFORMATION

[COMAR 26.11.03.06E(5)]

The Permittee shall furnish to the Department, within a reasonable time specified by the Department, information requested in writing by the Department in order to determine whether the Permittee is in compliance with the federally enforceable conditions of this Part 70 permit, or whether cause exists for revising or revoking the permit. Upon request, the Permittee shall also furnish to the Department records required to be kept under the permit.

For information claimed by the Permittee to be confidential and therefore potentially not discloseable to the public, the Department may require the Permittee to provide a copy of the records directly to the EPA along with a claim of confidentiality.

The Permittee shall also furnish to the Department, within a reasonable time specified by the Department, information or records requested in writing by the Department in order to determine if the Permittee is in compliance with the State-only enforceable conditions of this permit.

24. COMPLIANCE REQUIREMENTS

[COMAR 26.11.03.06E(1)] and [COMAR 26.11.03.06A(11)] and [COMAR 26.11.02.05]

The Permittee shall comply with the conditions of this Part 70 permit. Noncompliance with the permit constitutes a violation of the Clean Air Act, and/or the Environment Article Title 2 of the Annotated Code of Maryland and may subject the Permittee to:

- a. Enforcement action,
- b. Permit revocation or revision,
- c. Denial of the renewal of a Part 70 permit, or
- d. Any combination of these actions.

The conditions in this Part 70 permit are enforceable by EPA and citizens under the Clean Air Act except for the State-only enforceable conditions.

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Under Environment Article Section 2-609, Annotated Code of Maryland, the Department may seek immediate injunctive relief against a person who violates this permit in such a manner as to cause a threat to human health or the environment.

25. CREDIBLE EVIDENCE

Nothing in this permit shall be interpreted to preclude the use of credible evidence to demonstrate noncompliance with any term of this permit.

26. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE

[COMAR 26.11.03.06E(2)]

The need to halt or reduce activity in order to comply with the conditions of this permit may not be used as a defense in an enforcement action.

27. CIRCUMVENTION

[COMAR 26.11.01.06]

The Permittee may not install or use any article, machine, equipment or other contrivance, the use of which, without resulting in a reduction in the total weight of emissions, conceals or dilutes emissions which would otherwise constitute a violation of any applicable air pollution control regulation.

28. PERMIT SHIELD

[COMAR 26.11.03.23]

A permit shield as described in COMAR 26.11.03.23 shall apply only to terms and conditions in this Part 70 permit that have been specifically identified as covered by the permit shield. Neither this permit nor COMAR 26.11.03.23 alters the following:

- a. The emergency order provisions in Section 303 of the Clean Air Act, including the authority of EPA under that section;

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- b. The liability of the Permittee for a violation of an applicable requirement of the Clean Air Act before or when this permit is issued or for a violation that continues after issuance;
- c. The requirements of the Acid Rain Program, consistent with Section 408(a) of the Clean Air Act;
- d. The ability of the Department or EPA to obtain information from a source pursuant to Maryland law and Section 114 of the Clean Air Act; or
- e. The authority of the Department to enforce an applicable requirement of the State air pollution control law that is not an applicable requirement of the Clean Air Act.

29. ALTERNATE OPERATING SCENARIOS

[COMAR 26.11.03.06A(9)]

For all alternate operating scenarios approved by the Department and contained within this permit, the Permittee, while changing from one approved scenario to another, shall contemporaneously record in a log maintained at the facility each scenario under which the emissions unit is operating and the date and time the scenario started and ended.

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SECTION III PLANT WIDE CONDITIONS

1. PARTICULATE MATTER FROM CONSTRUCTION AND DEMOLITION

[COMAR 26.11.06.03D]

The Permittee shall not cause or permit any building, its appurtenances, or a road to be used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne.

2. OPEN BURNING

[COMAR 26.11.07]

Except as provided in COMAR 26.11.07.04, the Permittee shall not cause or permit an open fire from June 1 through August 31 of any calendar year. Prior to any open burning, the Permittee shall request and receive approval from the Department.

3. AIR POLLUTION EPISODE

[COMAR 26.11.05.04]

When requested by the Department, the Permittee shall prepare in writing standby emissions reduction plans, consistent with good industrial practice and safe operating procedures, for reducing emissions creating air pollution during periods of Alert, Warning, and Emergency of an air pollution episode.

4. REPORT OF EXCESS EMISSIONS AND DEVIATIONS

[COMAR 26.11.01.07] and [COMAR 26.11.03.06C(7)]

The Permittee shall comply with the following conditions for occurrences of excess emissions and deviations from requirements of this permit, including those in Section VI – State-only Enforceable Conditions:

- a. Report any deviation from permit requirements that could endanger human health or the environment, by orally notifying the Department immediately upon discovery of the deviation;

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- b. Promptly report all occurrences of excess emissions that are expected to last for one hour or longer by orally notifying the Department of the onset and termination of the occurrence;
- c. When requested by the Department the Permittee shall report all deviations from permit conditions, including those attributed to malfunctions as defined in COMAR 26.11.01.07A, within 5 days of the request by submitting a written description of the deviation to the Department. The written report shall include the cause, dates and times of the onset and termination of the deviation, and an account of all actions planned or taken to reduce, eliminate, and prevent recurrence of the deviation;
- d. The Permittee shall submit to the Department semi-annual monitoring reports that confirm that all required monitoring was performed, and that provide accounts of all deviations from permit requirements that occurred during the reporting periods. Reporting periods shall be January 1 through June 30 and July 1 through December 31, and reports shall be submitted within 30 days of the end of each reporting period. Each account of deviation shall include a description of the deviation, the dates and times of onset and termination, identification of the person who observed or discovered the deviation, causes and corrective actions taken, and actions taken to prevent recurrence. If no deviations from permit conditions occurred during a reporting period, the Permittee shall submit a written report that so states.
- e. When requested by the Department, the Permittee shall submit a written report to the Department within 10 days of receiving the request concerning an occurrence of excess emissions. The report shall contain the information required in COMAR 26.11.01.07D(2).

5. ACCIDENTAL RELEASE PROVISIONS

[COMAR 26.11.03.03B(23)] and [40 CFR 68]

Should the Permittee become subject to 40 CFR 68 during the term of this permit, the Permittee shall submit risk management plans by the date specified in 40 CFR 68.150 and shall certify compliance with the requirements of 40 CFR 68 as part of the annual compliance certification as required by 40 CFR 70.

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The Permittee shall initiate a permit revision or reopening according to the procedures of 40 CFR 70.7 to incorporate appropriate permit conditions into the Permittee's Part 70 permit.

6. GENERAL TESTING REQUIREMENTS

[COMAR 26.11.01.04]

The Department may require the Permittee to conduct, or have conducted, testing to determine compliance with this Part 70 permit. The Department, at its option, may witness or conduct these tests. This testing shall be done at a reasonable time, and all information gathered during a testing operation shall be provided to the Department.

7. EMISSIONS TEST METHODS

[COMAR 26.11.01.04]

Compliance with the emissions standards and limitations in this Part 70 permit shall be determined by the test methods designated and described below or other test methods submitted to and approved by the Department.

Reference documents of the test methods approved by the Department include the following:

- a. 40 CFR 60, appendix A
- b. 40 CFR 51, appendix M
- c. The Department's Technical Memorandum 91-01 "Test Methods and Equipment Specifications for Stationary Sources", (January 1991), as amended through Supplement 3, (October 1, 1997)

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8. EMISSIONS CERTIFICATION REPORT

**[COMAR 26.11.01.05-1] and [COMAR 26.11.02.19C] and
[COMAR 26.11.02.19D]**

The Permittee shall certify actual annual emissions of regulated pollutants from the facility on a calendar year basis.

- a. The certification shall be on forms obtained from the Department and submitted to the Department not later than April 1 of the year following the year for which the certification is required;
- b. The individual making the certification shall certify that the information is accurate to the individual's best knowledge. The individual shall be:
 - (1) Familiar with each source for which the certifications forms are submitted, and
 - (2) Responsible for the accuracy of the emissions information;
- c. The Permittee shall maintain records necessary to support the emissions certification including the following information if applicable:
 - (1) The total amount of actual emissions of each regulated pollutant and the total of all regulated pollutants;
 - (2) An explanation of the methods used to quantify the emissions and the operating schedules and production data that were used to determine emissions, including significant assumptions made;
 - (3) Amounts, types and analyses of all fuels used;
 - (4) Emissions data from continuous emissions monitors that are required by this permit, including monitor calibration and malfunction information;
 - (5) Identification, description, and use records of all air pollution control equipment and compliance monitoring equipment including:
 - (a) Significant maintenance performed,

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- (b) Malfunctions and downtime, and
 - (c) Episodes of reduced efficiency of all equipment;
- (6) Limitations on source operation or any work practice standards that significantly affect emissions; and
- (7) Other relevant information as required by the Department.

9. COMPLIANCE CERTIFICATION REPORT

[COMAR 26.11.03.06G(6) and (7)]

The Permittee shall submit to the Department and EPA Region III a report certifying compliance with each term of this Part 70 permit including each applicable standard, emissions limitation, and work practice for the previous calendar year by April 1 of each year.

- a. The compliance certification shall include:
- (1) The identification of each term or condition of this permit which is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether the compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of each source, currently and over the reporting period; and
 - (5) Any other information required to be reported to the Department that is necessary to determine the compliance status of the Permittee with this permit.
- b. The Permittee shall submit the compliance certification reports to the Department and EPA simultaneously.

10. CERTIFICATION BY RESPONSIBLE OFFICIAL

[COMAR 26.11.02.02F]

All application forms, reports, and compliance certifications submitted pursuant to this permit shall be certified by a responsible official as to

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truth, accuracy, and completeness. The Permittee shall expeditiously notify the Department of an appointment of a new responsible official.

The certification shall be in the following form:

"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 who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

11. SAMPLING AND EMISSIONS TESTING RECORD KEEPING

[COMAR 26.11.03.06C(5)]

The Permittee shall gather and retain the following information when sampling and testing for compliance demonstrations:

- a. The location as specified in this permit, and the date and time that samples and measurements are taken;
- b. All pertinent operating conditions existing at the time that samples and measurements are taken;
- c. The date that each analysis of a sample or emissions test is performed and the name of the person taking the sample or performing the emissions test;
- d. The identity of the Permittee, individual, or other entity that performed the analysis;
- e. The analytical techniques and methods used; and
- f. The results of each analysis.

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12. GENERAL RECORDKEEPING

[COMAR 26.11.03.06C(6)]

The Permittee shall retain records of all monitoring data and information that support the compliance certification for a period of five (5) years from the date that the monitoring, sample measurement, application, report or emissions test was completed or submitted to the Department.

These records and support information shall include:

- a. All calibration and maintenance records;
- b. All original data collected from continuous monitoring instrumentation;
- c. Records which support the annual emissions certification; and
- d. Copies of all reports required by this permit.

13. GENERAL CONFORMITY

[COMAR 26.11.26.09]

The Permittee shall comply with the general conformity requirements of 40 CFR 93, Subpart B and COMAR 26.11.26.09.

14. ASBESTOS PROVISIONS

[40 CFR 61, Subpart M]

The Permittee shall comply with 40 CFR 61, Subpart M when conducting any renovation or demolition activities at the facility.

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15. OZONE DEPLETING REGULATIONS

[40 CFR 82, Subpart F]

The Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for MVACs in subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the prohibitions and required practices pursuant to 40 CFR 82.154 and 82.156.
- b. Equipment used during the maintenance, service, repair or disposal of appliances shall comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- c. Persons performing maintenance, service, repairs or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
- d. Persons performing maintenance, service, repairs or disposal of appliances shall certify with the Administrator pursuant to 40 CFR 82.162.
- e. Persons disposing of small appliances, MVACS, and MVAC-like appliances as defined in 40 CFR 82.152, shall comply with record keeping requirements pursuant to 40 CFR 82.166.
- f. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
- g. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

16. ACID RAIN PERMIT

Not applicable

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SECTION IV PLANT SPECIFIC CONDITIONS

This section provides tables that include the emissions standards, emissions limitations, and work practices applicable to each emissions unit located at this facility. The Permittee shall comply with all applicable emissions standards, emissions limitations and work practices included herein.

The tables also include testing, monitoring, record keeping and reporting requirements specific to each emissions unit. In addition to the requirements included here in **Section IV**, the Permittee is also subject to the general testing, monitoring, record keeping and reporting requirements included in **Section III – Plant Wide Conditions** of this permit.

Unless otherwise provided in the specific requirements for an emissions unit, the Permittee shall maintain at the facility for at least five (5) years, and shall make available to the Department upon request, all records that the Permittee is required under this section to establish. [Authority: COMAR 26.11.03.06C(5)(g)]

Table IV – 1 (Boilers)	
1.0	<p><u>Emissions Unit Numbers:</u></p> <p>A-01: One (1) Johnston Boiler Company Model PFTA250-4G150S Boiler, 9.8 MMBtu/hr maximum heat input, burns natural gas only (ARA Registration No. 5-0293)</p> <p>A-02: One (1) Johnston Boiler Company Model PFTA250-4G150S Boiler, 9.8 MMBtu/hr maximum heat input, burns natural gas only (ARA Registration No. 5-0333)</p>
1.1	<p><u>Applicable Standards/Limits:</u></p> <p>A. <u>Visible Emissions Limitations:</u></p> <p>COMAR 26.11.09.05A(1), which requires for installations located in Area II of the State that a person not cause or permit the discharge of emissions from any fuel burning equipment, other than water in uncombined form, which is greater than 20 percent opacity.</p> <p>Exceptions. COMAR 26.11.09.05A(3) establishes that Section A(1) does not apply “to emissions during load changing, soot blowing, start-up, or adjustments or occasional cleaning of control equipment if: (a) the visible emissions are not greater than 40 percent opacity; and (b) the visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”</p>

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	B. <u>Operational Limitation:</u> The Permittee shall burn only natural gas in the boilers unless the Permittee obtains from the Department written authorization to burn alternative fuels. [Authority: COMAR 26.11.02.09A]
1.2	<u>Testing Requirements:</u> A. & B. See monitoring, record keeping, and reporting requirements.
1.3	<u>Maintenance and Monitoring Requirements:</u> A. & B. See record keeping and reporting requirements.
1.4	<u>Record Keeping Requirements:</u> A. & B. The Permittee shall keep for at least five years a monthly record of fuel combusted or the amounts of each type of fuel delivered to the property each month.
1.5	<u>Reporting Requirements:</u> A. & B. The Permittee shall report occurrences of visible emissions from the boilers in accordance with conditions number 4 ("Report of Excess Emissions and Deviations"), and number 9 ("Compliance Certification Report") of <u>Section III – Plant Wide Conditions</u> .

*These units are covered by a Permit Shield.

Table IV – 2 (Commercial Bakery Ovens)	
2.0	<u>Emissions Unit Numbers: B-01 through B-04, Four (4) Commercial Bakery Ovens That Produce English Muffins</u> B-01: Baking Oven No. 1, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2.0 MMBtu/hr maximum heat input, installed in 1977 (ARA Registration No. 8-0081) B-02: Baking Oven No. 2, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2.0 MMBtu/hr maximum heat input, installed in 1977 (ARA Registration No. 8-0082)

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Table IV – 2 (Commercial Bakery Ovens)	
	<p>B-03: Baking Oven No. 3, APV Baker Continuous Band Baking Oven, input rate of 2520 dozen muffins per hour, 3.7 MMBtu/hr maximum heat input, installed in 1996 (ARA Registration No. 8-0083)</p> <p>B-04: Baking Oven No. 4, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2.0 MMBtu/hr maximum heat input, installed in 1991 (ARA Registration No. 8-0084)</p>
2.1	<p><u>Applicable Standards/Limits:</u></p> <p>A. <u>Visible Emissions Limitations</u></p> <p>A1. COMAR 26.11.06.02C(1), which requires that a person not cause or permit the discharge of emissions from any installation or building, other than water in uncombined form, which is greater than 20 percent opacity.</p> <p>Exceptions: COMAR 26.11.06.02A(2) establishes that “the visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modifications or adjustments, or occasional cleaning of control equipment, if: (a) The visible emissions are not greater than 40 percent opacity; and (b) The visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.”</p> <p>A2. Operational Requirement: The Permittee shall burn only natural gas in each oven unless the Permittee obtains from the Department written authorization to burn alternative fuels. [Authority: COMAR 26.11.02.09A]</p> <p>B. <u>Control of Particulate</u></p> <p>COMAR 26.11.06.03B(1)(a), which limits the concentration of particulate matter in process exhaust gases to not more than 0.05 grains per standard cubic foot of dry gas.</p> <p>C. <u>Control of VOC</u></p> <p>C1. COMAR 26.11.19.21, which establishes requirements for control of VOC from commercial bakery ovens.</p> <p>C2. In accordance with COMAR 26.11.19.21C(2) & D(1), if the facility's largest commercial bakery oven exceeds the average annual production tonnage of finished bread, rolls, or other yeast-raised</p>

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Table IV – 2 (Commercial Bakery Ovens)	
	<p>products for the corresponding Yt value listed below, then thereafter the Permittee shall be subject to COMAR 26.11.19.21D(2).</p> <p>(1) 10,000 tons with a Yt value of greater than 11.0;</p> <p>(2) 15,000 tons with a Yt value between 8.1 and 11.0;</p> <p>(3) 22,500 tons with a Yt value less between 5 and 8.0;</p> <p>(4) 28,000 tons with a Yt value less than 5.</p> <p>C3. In accordance with COMAR 26.11.19.21C(5), for any commercial bakery oven constructed on or after January 1, 1994 that satisfies the conditions in COMAR 26.11.19.21D(1) the Permittee shall comply with COMAR 26.11.19.21D(2).</p> <p>C4. In accordance with COMAR 26.11.19.21D(2), if an affected commercial bakery oven satisfies any of the conditions in COMAR 26.11.19.21D(1), the Permittee shall not cause or permit the discharge of VOC into the atmosphere unless emissions from the affected oven are exhausted directly into a control device which is installed, operated, and maintained to reduce VOC emissions from the bakery oven by 80 percent or more overall. In accordance with COMAR 26.11.19.21F(3), if an affected commercial bakery oven satisfies any of the conditions in COMAR 26.11.19.21D(1) the Permittee shall comply with the requirements of COMAR 26.11.19.21D(2) within 1 calendar year after the year in which the conditions were satisfied.</p>
2.2	<p><u>Testing Requirements:</u></p> <p>A. B. & C. See monitoring, record keeping, and reporting requirements.</p>
2.3	<p><u>Monitoring Requirements:</u></p> <p>A. & B. See record keeping, and reporting requirements.</p> <p>C. For each month of operation and for all periods of twelve consecutive months the Permittee shall determine the production of yeast raised products and weighted Yt values for the facility's largest commercial bakery oven installed before January 1, 1994, and for each commercial bakery oven installed on or after January 1, 1994. [Authority: COMAR 26.11.03.06C]</p>

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Table IV – 2 (Commercial Bakery Ovens)

2.4	<p><u>Record Keeping Requirements:</u></p> <p>A. & B. The Permittee shall maintain records of the types of fuels burned in each commercial bakery oven at the facility. [Authority: COMAR 26.11.03.06C]</p> <p>C. The Permittee shall maintain for at least 5 years the following records:</p> <ol style="list-style-type: none"> (1) annual natural gas consumption for each commercial bakery oven; (2) total weight of goods produced and weighted average Yt values for each month and for all periods of twelve consecutive months for the facility's largest commercial bakery oven installed before January 1, 1994, and for each bakery oven installed on or after January 1, 1994; and (3) annual Yt values and total annual bakery production for each commercial bakery oven. <p>[Authority: COMAR 26.11.03.06C]</p>
2.5	<p><u>Reporting Requirements:</u></p> <p>A. & B. The Permittee shall report the types of fuels burned in each commercial bakery oven in the Permittee's annual certified emissions statements as required under condition 8 of <u>Section III – Plant Wide Conditions</u> of this Part 70 permit.</p> <p>C. If the Permittee determines that the largest commercial bakery oven installed before 1994 or any commercial bakery oven installed on or after January 1, 1994 satisfies any of the conditions in COMAR 26.11.19.21D(1), the Permittee shall notify the Department of such in writing within 10 business days of determination. [Authority: COMAR 26.11.03.06C]</p>

*These units are covered by a Permit Shield.

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Table IV – 3 (Farina Recovery Systems)	
3.0	<p><u>Emissions Unit Numbers E-01 and F-01:</u> Two (2) vacuum systems: one (1) that reclaims unburned (recyclable) farina; and one (1) that captures burnt (non-recyclable) farina for disposal</p> <p>E-01: Vacuum system to recover and recycle unburned farina (ARA Registration No. 8-0085)</p> <p>F-01: Vacuum system to recover burnt farina for disposal (ARA Registration No. 8-0086)</p>
3.1	<p><u>Applicable Standards/Limits:</u></p> <p>A. <u>Visible Emissions Limitations</u></p> <p>COMAR 26.11.06.02C(1), which requires that a person not cause or permit the discharge of emissions from any installation or building, other than water in uncombined form, which is greater than 20 percent opacity.</p> <p>Exceptions: COMAR 26.11.06.02A(2) establishes that “the visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modifications or adjustments, or occasional cleaning of control equipment, if: (a) The visible emissions are not greater than 40 percent opacity; and (b) The visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.”</p> <p>B. <u>Control of Particulate</u></p> <p>COMAR 26.11.06.03B(1)(a), which limits the concentration of particulate matter in process exhaust gases to not more than 0.05 grains per standard cubic foot of dry gas.</p> <p>C. <u>Operational Requirement</u></p> <p>The Permittee shall vent exhaust gases from each vacuum system through a properly maintained and operated baghouse before discharge to atmosphere. [Authority: COMAR 26.11.02.09A]</p>
3.2	<p><u>Testing Requirements:</u></p> <p>A.B. & C. See monitoring, record keeping, and reporting requirements.</p>

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Table IV – 3 (Farina Recovery Systems)

3.3	<p><u>Monitoring Requirements:</u></p> <p>A.B. &C.</p> <p>1. The Permittee shall conduct observations for visible emissions from each baghouse used to control emissions from vacuum systems E-01 and F-01. Each required observation shall be conducted in accordance with paragraphs 1.(1) through 1.(6) of this condition:</p> <ul style="list-style-type: none">(1) Except as provided under paragraph 1.(2) of this condition, the Permittee shall conduct required observations on a monthly basis (i.e., at least once per calendar month) for each baghouse;(2) If the Permittee does not observe any visible emissions from a baghouse for a period of at least 6 consecutive months the Permittee may decrease the frequency of observation for that baghouse from a monthly basis to a quarterly basis (i.e., at least 1 observation per 3 consecutive calendar months). If visible emissions are observed during any quarterly observation, the Permittee shall revert to monthly observations until no visible emissions are again observed for at least 6 consecutive months;(3) Each required observation shall be performed when the affected vacuum system is operating in normal service;(4) Required observations shall be performed during daylight hours unless the Permittee obtains from the Department written approval to conduct observations of properly lighted emissions points during non-daylight hours;(5) Each required observation shall endure for at least 1 minute; and(6) If visible emissions exceeding 20 percent opacity are observed during an observation the Permittee shall determine the cause and, where practical, shall perform within 24 hours necessary adjustments or repairs to reduce the opacity to not more than 20 percent. If visible emissions have not been reduced to 20 percent or less opacity within 48 hours, the Permittee shall perform daily 12-minute observations for opacity in accordance with EPA Reference Method 9 until visible emissions no longer exceed 20
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Table IV – 3 (Farina Recovery Systems)	
	<p>percent opacity. [Authority: COMAR 26.11.03.06C]</p> <p>2. The Permittee shall establish in writing, revise as necessary, and implement a preventive maintenance (PM) plan for the baghouses that control emissions from the vacuum systems. The PM plan shall be designed to ensure consistent compliance with all applicable particulate and visible emissions standards, and shall include descriptions of maintenance activities to be performed and a schedule for performance of each such activity. The Permittee shall perform maintenance activities in accordance with the schedules established in the PM plan and shall maintain records of the dates on which each maintenance activity was performed. [Authority: COMAR 26.11.03.06C]</p>
3.4	<p><u>Record Keeping Requirements:</u></p> <p>A.B. &C.</p> <p>1. The Permittee shall make a written or printable electronic record of each required observation for visible emissions, and each such record shall include identification of the observer, the date of the observation, the time at the start of the observation, the time at the end of the observation if the observation endures for more than 1 minute, and an account of the observer's findings during performance of the observation. [Authority: COMAR 26.11.03.06C]</p> <p>2. The Permittee shall maintain on site a copy of the required preventive maintenance plan and records of descriptions and dates of all maintenance activities performed in accordance with the plan. The Permittee shall maintain records of all baghouse malfunctions and all corrective actions taken to return malfunctioning units to proper operation. [Authority: COMAR 26.11.03.06C]</p>
3.5	<p><u>Reporting Requirements:</u></p> <p>A.B. &C.</p> <p>1. The Permittee shall report occurrences of visible emissions in accordance with conditions number 4 ("Report of Excess Emissions and Deviations"), and number 9 ("Compliance Certification Report"), of <u>Section III – Plant Wide Conditions</u>.</p> <p>2. The Permittee shall make the required PM plan and required records concerning maintenance performed available to the Department upon request. [Authority: COMAR</p>

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Table IV – 3 (Farina Recovery Systems)	
	26.11.03.06C]

*These units are covered by a Permit Shield.

Table IV – 4 (Flour Storage Silos)	
4.0	Emissions Unit Number C-01: Ten (10) silos for storage of white flour, wheat flour, and farina (all registered under ARA Registration No. 9-0219)
4.1	<p><u>Applicable Standards/Limits:</u></p> <p>A. <u>Visible Emissions Limitations</u></p> <p>COMAR 26.11.06.02C(1), which requires that a person not cause or permit the discharge of emissions from any installation or building, other than water in uncombined form, which is greater than 20 percent opacity.</p> <p>Exceptions: COMAR 26.11.06.02A(2) establishes that “the visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modifications or adjustments, or occasional cleaning of control equipment, if: (a) The visible emissions are not greater than 40 percent opacity; and (b) The visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.”</p> <p>B. <u>Control of Particulate</u></p> <p>COMAR 26.11.06.03B(1)(a), which limits the concentration of particulate matter in process exhaust gases to not more than 0.05 grains per standard cubic foot of dry gas.</p> <p>C. <u>Operational Requirement:</u> The Permittee shall vent exhaust gases from each silo through a properly maintained baghouse before discharge to atmosphere. [Authority: COMAR 26.11.02.09A]</p>
4.2	<p><u>Testing Requirements:</u></p> <p>A.B. & C. See monitoring, record keeping, and reporting requirements.</p>

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Table IV – 4 (Flour Storage Silos)

4.3	<p><u>Maintenance and Monitoring Requirements:</u></p> <p>A.B. &C.</p> <p>1. The Permittee shall conduct observations for visible emissions from each baghouse used to control emissions from the storage silos. Each required observation shall be conducted in accordance with paragraphs 1.(1) through 1.(6) of this condition:</p> <ol style="list-style-type: none">(1) Except as provided under paragraph 1.(2) of this condition, the Permittee shall conduct required observations on a monthly basis (i.e., at least once per calendar month) for each baghouse;(2) If the Permittee does not observe any visible emissions from a baghouse for a period of at least 6 consecutive months the Permittee may decrease the frequency of observation for that baghouse from a monthly basis to a quarterly basis (i.e., at least 1 observation per 3 consecutive calendar months). If visible emissions are observed during any quarterly observation, the Permittee shall revert to monthly observations until no visible emissions are again observed for at least 6 consecutive months;(3) Each required observation shall be performed when at least 1 silo controlled by the baghouse being observed is being loaded with material at a normal rate;(4) Required observations shall be performed during daylight hours unless the Permittee obtains from the Department written approval to conduct observations of properly lighted emissions points during non-daylight hours;(5) Each required observation shall endure for at least 1 minute; and(6) If visible emissions exceeding 20 percent opacity are observed during an observation the Permittee shall determine the cause and, where practical, perform necessary adjustments or repairs to reduce the opacity to not more than 20 percent. If visible emissions have not been reduced to 20 percent or less opacity before the loading operation is completed the Permittee shall either correct the problem before again loading into any silo controlled by the
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Table IV – 4 (Flour Storage Silos)	
	<p>baghouse or shall perform daily at least one 12-minute observation for opacity in accordance with EPA Reference Method 9 when material is being loaded into a silo controlled by the baghouse. [Authority: COMAR 26.11.03.06C]</p> <p>2. The Permittee shall establish in writing, revise as necessary, and implement a preventive maintenance (PM) plan for the baghouses that control emissions from the silos. The PM plan shall be designed to ensure consistent compliance with all applicable particulate and visible emissions standards and shall include descriptions of maintenance activities to be performed and a schedule for performance of each such activity. The Permittee shall perform maintenance activities in accordance with the schedules established in the PM plan and shall maintain records of the dates on which each maintenance activity was performed. [Authority: COMAR 26.11.03.06C]</p>
4.4	<p><u>Record Keeping Requirements:</u></p> <p>A.B. &C.</p> <p>1. The Permittee shall make a written or printable electronic record of each required observation for visible emissions, and each such record shall include identification of the observer, the date of the observation, the time at the start of the observation, the time at the end of the observation if the observation endures for more than 1 minute, and an account of the observer's findings during performance of the observation. [Authority: COMAR 26.11.03.06C]</p> <p>2. The Permittee shall maintain on site a copy of the required preventive maintenance plan and records of descriptions and dates of all maintenance activities performed in accordance with the plan. The Permittee shall maintain records of all baghouse malfunctions and all corrective actions taken to return malfunctioning units to proper operation. [Authority: COMAR 26.11.03.06C]</p>
4.5	<p><u>Reporting Requirements:</u></p> <p>A.B. &C.</p> <p>1. The Permittee shall report occurrences of visible emissions in accordance with conditions number 4 ("Report of Excess Emissions and Deviations"), and number 9 ("Compliance Certification Report"), of <u>Section III – Plant Wide Conditions.</u></p>

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Table IV – 4 (Flour Storage Silos)	
	2. The Permittee shall make the required PM plan and required records concerning maintenance performed available to the Department upon request. [Authority: COMAR 26.11.03.06C]

*These units are covered by a Permit Shield.

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SECTION V INSIGNIFICANT ACTIVITIES

This section provides a list of insignificant emissions units that were reported in the Title V permit application. The applicable Clean Air Act requirements, if any, are listed below the insignificant activity.

- (1) No. 1 Stationary internal combustion engines with an output less than 500 brake horsepower (373 kilowatts) and which are not used to generate electricity for sale or for peak or load shaving;

The 25 hp natural gas-fired Kohler emergency engine is subject to the following requirements:

- (A) COMAR 26.11.09.05E(2), Emissions During Idle Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.
- (B) COMAR 26.11.09.05E(3), Emissions During Operating Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.
- (C) Exceptions:
 - (i) COMAR 26.11.09.05E(2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.
 - (ii) COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
 - (a) Engines that are idled continuously when not in service: 30 minutes
 - (b) all other engines: 15 minutes.
 - (iii) COMAR 26.11.09.05E(2) & (3) do not apply while maintenance, repair or testing is being performed by qualified mechanics.

Note: The emergency engine is subject to the 40 CFR 60, Subpart JJJJ regulations.

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- (2) First aid and emergency medical care provided at the facility, including related activities such as sterilization and medicine preparation used in support of a manufacturing or production process;
- (3) Comfort air conditioning subject to requirements of Title VI of the Clean Air Act; and
- (4) any other emissions unit at the facility which is not subject to an applicable requirement of the Clean Air Act (list and describe):

No. 1 Wastewater pre-treatment plant that reduces suspended solids and biological oxygen demand (BOD) in plant wastewater before discharge to Frederick County wastewater treatment plant. Emissions of VOC range from 100 to 150 pounds per million gallons of wastewater pre-treated. The facility pre-treats less than 3 million gallons of wastewater per year. The facility has one (1) flare to control exhaust gases from the anaerobic digester on the wastewater treatment system (ARA Registration No. 021-0234-9-0220).

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SECTION VI STATE-ONLY ENFORCEABLE CONDITIONS

The Permittee is subject to the following State-only enforceable requirements:

1. Applicable Regulations:

- (A) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
- (B) COMAR 26.11.15.05, which requires that the Permittee implement “Best Available Control Technology for Toxics” (T – BACT) to control emissions of toxic air pollutants.
- (C) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.

2. Operating Conditions: No additional requirements.

3. Testing and Monitoring: No additional requirements.

4. Record Keeping and Reporting:

The Permittee shall submit to the Department, by April 1 of each year during the term of this permit, a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee’s facility during the previous calendar year. The analysis shall include either:

- (A) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or
- (B) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.

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BACKGROUND

Name and address of owner/operator:

Bimbo Bakeries USA, Inc.
S. B. Thomas Facility
7110 English Muffin Way
Frederick, MD 21704
Plant Manager: Ms. Valeria Ezipke, (301) 694 – 8100
Environmental Contact: Mr. Josh Beall (301) 694 – 8100, ext. 130

Types of raw materials processed and final products manufactured

The facility is a commercial baking facility that manufactures several varieties of English Muffins. Raw materials include white flour, wheat flour, farina, yeast, and fruit (e.g., blueberries).

Types of Equipment:

The facility operates two (2) small natural gas-fired boilers; four (4) commercial baking ovens; 10 bulk storage silos equipped with baghouses; two (2) vacuum systems for reclaiming farina [one (1) system for reclaiming unburned (recyclable) farina, and one (1) system for reclaiming burnt farina waste for disposal]; and a small wastewater pre-treatment plant that reduces suspended solids in plant wastewater before discharging the wastewater to the Frederick County wastewater treatment plant.

Primary SIC Code for facility: **2051**

Table 1 summarizes recent actual air emissions from the facility as reported to the Department with the company's annual certified emissions statements.

Table 1: Actual Emissions

Year	NO _x (TPY)	SO _x (TPY)	PM ₁₀ (TPY)	CO (TPY)	VOC (TPY)	Total HAP (TPY)
2014	2.9	0.02	0.05	2.42	42.5	0
2015	3.1	0.02	0.06	2.64	46.9	0
2016	3.1	0.02	0.05	2.58	47.8	0
2017	3.2	0.02	0.06	2.67	47.4	0
2018	2.9	0.02	0.05	2.41	43.4	0

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The major source threshold for triggering Title V permitting requirements in Frederick County is 25 tons per year for VOC, 25 tons for NO_x, and 100 tons per year for any other criteria pollutants and 10 tons for a single HAP or 25 tons per year for total HAPS. Since the actual VOC emission from the facility are greater than the major source threshold, Bimbo Bakeries USA is required to obtain a Title V – Part 70 Operating Permit under COMAR 26.11.03.01.

Bimbo Bakeries USA, Inc. – S.B. Thomas Facility's current Title V – Part 70 Operating Permit was issued on June 1, 2015 and expires on May 31, 2020. The facility's Title V – Part 70 Operating Permit renewal application was received by the Department on May 3, 2019. An administrative completeness review was conducted, and the application was deemed administratively complete. An administrative completeness letter was sent on May 24, 2019, granting the facility an application shield.

PERMITTING ACTIVITY

In 2018, the Department issued a permit to construct to the facility for the installation of one (1) flare to control exhaust gases from the anaerobic digester on the wastewater treatment system. The installation of the flare was considered an off-permit change and the facility's operating permit was not updated at the time of issuance.

The facility also has an emergency engine that was installed in 2012 but never included in the Insignificant Activities section of the Title V permit. The permit has been updated to reflect this change for identification purposes. The emergency engine is a 25 horsepower, natural gas-fired Kohler engine subject to the applicable requirements of 40 CFR Part 60, Subpart JJJJ. The engine also meets requirements of 40 CFR Part 63, Subpart ZZZZ by meeting the Subpart JJJJ requirements.

COMPLIANCE ASSURANCE MONITORING (CAM) PLAN

Compliance assurance monitoring (CAM) is intended to provide a reasonable assurance of compliance with applicable requirements under the Clean Air Act for large emission units that rely on air pollution control (APC) equipment to achieve compliance. The CAM approach establishes monitoring for the purpose of: (1) documenting continued operation of the control measures within ranges of specified indicators of performance (such as emissions, control device parameters, and process parameters) that are designed to provide a reasonable

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assurance of compliance with applicable requirements; (2) indicating any excursions from these ranges; and (3) responding to the data so that the cause or causes of the excursions are corrected. For a unit to be subject to CAM, the unit must be located at a major source, be subject to an emission limitation or standard; use a control device to achieve compliance; have pre-control emissions of at least 100% of the major source amount; and must not otherwise be exempt from CAM. Applicability determinations are made on a pollutant-by-pollutant basis for each emissions unit.

The facility uses baghouses to control particulate matter (PM) but PM is not a major source of pollutant in this facility. The facility uses a flare to control emissions of VOC from the wastewater treatment plant. However, a CAM plan is not required since the wastewater treatment plant is not a major source of VOC emissions pre-control, and the control device is not relied upon to achieve compliance under the Clean Air Act.

No control devices are used to reduce emissions of VOC or HAPs from the major sources at the facility; therefore, CAM requirements do not apply for this Title V permit renewal.

GREENHOUSE GAS (GHG) EMISSIONS

Bimbo Bakeries USA emits the following greenhouse gases (GHGs) related to Clean Air Act requirements: carbon dioxide, methane, and nitrous oxide. The GHG originates from various processes (i.e., combustion sources such as baking ovens and boilers) contained within the facility premises applicable to Bimbo Bakeries USA. The facility has not triggered Prevention of Significant Deterioration (PSD) requirements for GHG emissions; therefore, there are no applicable GHG Clean Air Act requirements. While there may be no applicable requirements as a result of PSD, emission certification reports for the years 2014, 2015, 2016, 2017, and 2018, showed that Bimbo Bakeries USA is not a major source (threshold: 100,000tpy CO₂e) for GHG's (see Table 2 shown below). The Permittee shall quantify facility wide GHGs emissions and report them in accordance with Section 3 of the Part 70 permit.

The following table summarizes the actual emissions from Bimbo Bakeries USA based on its Annual Emission Certification Reports:

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Table 2: Greenhouse Gases Emissions Summary

GHG	Conversion factor	2014 tpy CO₂e	2015 tpy CO₂e	2016 tpy CO₂e	2017 tpy CO₂e	2018 tpy CO₂e
Carbon dioxide CO ₂	1	3,459	3,775	3,686	3,814	3,437
Methane CH ₄	25	0.06	0.07	0.07	0.07	0.06
Nitrous Oxide N ₂ O	298	0.06	0.07	0.07	0.07	0.06
Total GHG CO₂eq		3,459	3,775	3,686	3,814	3,437

EMISSION UNIT IDENTIFICATION

Bimbo Bakeries USA has identified the following emission units as being subject to Title V permitting requirements and having applicable requirements.

Table 3: Emission Unit Identification

Emissions Unit Number	ARA Registration Number	Emissions Unit Name and Description	Date of Installation
A-01	5-0293	One (1) Johnston Boiler Company model PFTA250-4G150S boiler, 9.8 MMBtu/hr maximum heat input, burns natural gas only	10/2003
A-02	5-0333	One (1) Johnston Boiler Company model PFTA250-4G150S boiler, 9.8 MMBtu/hr maximum heat input, burns natural gas only	12/2004
B-01	8-0081	Baking Oven No. 1, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2 MMBtu/hr maximum heat input	06/1977
B-02	8-0082	Baking Oven No. 2, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2 MMBtu/hr maximum heat input	06/1977
B-03	8-0083	Baking Oven No. 3, APV Baker Continuous Band Baking Oven, input rate of 2520 dozen muffins per hour, 3.7 MMBtu/hr maximum heat input	02/1996

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B-04	8-0084	Baking Oven No. 4, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2 MMBtu/hr maximum heat input	03/1991
E-01	8-0085	One (1) vacuum system that reclaims unburned (recyclable) farina	06/1977
F-01	8-0086	One (1) vacuum system that reclaims burnt (non-recyclable) farina for disposal	06/1977
C-01	9-0219	Ten (10) silos for storage of white flour, wheat flour, and farina; includes eight (8) silos with nominal capacities of 100,000 pounds each, and two (2) silos with nominal capacities of 80,000 pounds each	06/1977 or later

AN OVERVIEW OF THE PART 70 PERMIT

The Fact Sheet is an informational document. If there are any discrepancies between the Fact Sheet and the Part 70 permit, the Part 70 permit is the enforceable document.

Section I of the Part 70 Permit contains a brief description of the facility and an inventory list of the emissions units for which applicable requirements are identified in Section IV of the permit.

Section II of the Part 70 Permit contains the general requirements that relate to administrative permit actions. This section includes the procedures for renewing, amending, reopening, and transferring permits, the relationship to permits to construct and approvals, and the general duty to provide information and to comply with all applicable requirements.

Section III of the Part 70 Permit contains the general requirements for testing, record keeping and reporting; and requirements that affect the facility as a whole, such as open burning, air pollution episodes, particulate matter from construction and demolition activities, asbestos provisions, ozone depleting substance provisions, general conformity, and acid rain permit. This section includes the requirement to report excess emissions and deviations, to submit an annual emissions certification report and an annual compliance certification report, and results of sampling and testing.

Section IV of the Part 70 Permit identifies the emissions standards, emissions limitations, operational limitations, and work practices applicable to each emissions unit located at the facility. For each standard, limitation, and work

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practice, the permit identifies the basis upon which the Permittee will demonstrate compliance. The basis will include testing, monitoring, record keeping, and reporting requirements. The demonstration may include one or more of these methods.

Section V of the Part 70 Permit contains a list of insignificant activities. These activities emit very small quantities of regulated air pollutants and do not require a permit to construct or registration with the Department. For insignificant activities that are subject to a requirement under the Clean Air Act, the requirement is listed under the activity.

Section VI of the Part 70 Permit contains State-only enforceable requirements. Section VI identifies requirements that are not based on the Clean Air Act, but solely on Maryland air pollution regulations. These requirements generally relate to the prevention of nuisances and implementation of Maryland's Air Toxics Program.

REGULATORY REVIEW/TECHNICAL REVIEW/COMPLIANCE
METHODOLOGY

Permitting History:

Dates of Initial Construction/Registration, Modifications and Reconstructions:

- The dates of initial construction/registration for each registered active installation or process are shown in Table 3 above. There have been no significant reconstructions or modifications to any of the active emissions units since their respective initial installation dates.
- The facility's baking ovens and associated equipment were installed before commercial bakeries were subject to permit-to-construct requirements.
- Two (2) Cleaver Brooks CB100-200 boilers, 8.4 MMBtu/hr each, fired with natural gas only, were installed in 1977 and were registered under ARA Registration Nos. 5-0097 and 5-0098. Both boilers were removed after boilers A-01 and A-02 were installed.
- Permit-to-construct 021-5-0286 issued June 3, 2003 authorized installation of a temporary boiler (Superior Apache model 1750, 8.5-MMBtu/hr, natural gas-fired) to serve as a backup to the facility's one (1) operable boiler until the company could arrange for installation of a permanent new boiler. The temporary boiler has since been removed from service.

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- General permit-to-construct number 021-0234-5-0293 issued in September 2003 authorized installation of the facility's A-01 boiler.
- General permit-to-construct number 021-0234-5-0333 issued in December 2004 authorized installation of the facility's A-02 boiler.
- On February 21, 2014, Bimbo Bakeries USA submitted a Part 70 permit Application for Administrative amendment to change the operation division of the S.B. Thomas facility located in Frederick, MD. The plant was originally operated by Orograin Bakeries Manufacturing, Inc. The effective date of the change of operation division from Orograin Bakeries Manufacturing to Bimbo Bakeries USA was January 1, 2014.
- On December 20, 2017, Bimbo Bakeries USA applied for a Permit to Construct for the installation of one (1) flare to control exhaust gases from the anaerobic digester on the wastewater treatment system. The installation of the flare was considered an off-permit change and the facility's operating permit was not updated at the time of issuance. The permit was issued April 19, 2018 under ARA Registration No. 021-0234-9-0220.

NSR Applicability – None of the facility's installations is subject to NSR approval. The two gas-fired boilers, with less than 10 MMBtu/hr maximum heat input, are not subject to NSPS 40CFR60 Subpart Dc.

PSD Applicability – None of the facility's installations is subject to PSD approval.

NSPS Applicability – None of the facility's registered installations are subject to NSPS. The facility has an emergency generator subject to 40 CFR 60, Subpart JJJJ, and listed in insignificant activities.

NESHAP Part 61 applicability – None of the facility's installations is subject to any NESHAP established under 40 CFR 61.

NESHAP Part 63 (MACT) applicability – None of the facility's registered installations are subject to a MACT rule. The facility has an emergency generator subject to 40 CFR 63, Subpart ZZZZ, and listed in insignificant activities.

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Applicable Standards and Limits:

1. Table IV-1 – Emissions Units A-01 and A-02:

A-01: One (1) Johnston Boiler Company model PFTA250-4G150S boiler, 9.8 MMBtu/hr maximum heat input, burns natural gas only (ARA Registration No. 5-0293)

A-02: One (1) Johnston Boiler Company model PFTA250-4G150S boiler, 9.8 MMBtu/hr maximum heat input, burns natural gas only (ARA Registration No. 5-0333)

A. Visible Emissions Limitations:

COMAR 26.11.09.05A(1), which requires for installations located in Area II of the State that a person not cause or permit the discharge of emissions from any fuel burning equipment, other than water in uncombined form, which are greater than 20 percent opacity.

Exceptions. **COMAR 26.11.09.05A(3)** establishes that Section A(2) does not apply “to emissions during load changing, soot blowing, start-up, or adjustments or occasional cleaning of control equipment if: (a) the visible emissions are not greater than 40 percent opacity; and (b) the visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”

Mechanism For Demonstrating Compliance:

The Permittee is required to report occurrences of visible emissions from the boiler in accordance with conditions number 4 (“Report of Excess Emissions and Deviations”), and number 9 (“Compliance Certification Report”), of Section III – Plant Wide Conditions.

Rationale For Compliance Mechanism:

Small boilers that burn natural gas will generally have no visible emissions. Such boilers are designed to operate automatically, without oversight of an operator, and require minimal preventive maintenance to maintain a level of combustion performance that does not cause visible emissions. Although the permit imposes no specific schedule for conducting observations of stack emissions, the Permittee is required under the general reporting requirement for excess emissions and deviations to report observed

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occurrences of visible emissions that exceed the standard (20 percent opacity).

- B. Operational Limitation: The Permittee shall burn only natural gas in the boilers unless the Permittee obtains from the Department written authorization to burn alternative fuels. [Authority: COMAR 26.11.02.09A]

Mechanism For Demonstrating Compliance:

The Permittee is required to maintain records of the types and quantity of fuel burned to support the annual emissions certification report (permit condition 8 of Section III, Plant Wide Conditions "Emissions Certification Report). The annual certification report must contain the type, quantities, and analyses of all fuels burned. No additional requirements are needed to show compliance with this operational limitation.

2. Table IV-2 – Emissions Units B-01 through B-04, Four (4) Commercial Baking Ovens That Produce Varieties Of English Muffins:

B-01: Baking Oven No. 1, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2.0 MMBtu/hr maximum heat input, installed in 1977 (ARA Registration No. 8-0081)

B-02: Baking Oven No. 2, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2.0 MMBtu/hr maximum heat input, installed in 1977 (ARA Registration No. 8-0082)

B-03: Baking Oven No. 3, APV Baker Continuous Band Baking Oven, input rate of 2520 dozen muffins per hour, 3.7 MMBtu/hr maximum heat input, installed in 1996 (ARA Registration No. 8-0083)

B-04: Baking Oven No. 4, APV Baker Continuous Band Baking Oven, input rate of 1680 dozen muffins per hour, 2.0 MMBtu/hr maximum heat input, installed in 1991 (ARA Registration No. 8-0084)

A. Visible Emissions Limitations

- A1. **COMAR 26.11.06.02C(1)**, which requires for Area II of the State that a person not cause or permit the discharge of emissions from any installation or building, other than water in uncombined form, which are greater than 20 percent opacity.

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Exceptions: **COMAR 26.11.06.02A(2)** establishes that “the visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modifications or adjustments, or occasional cleaning of control equipment, if: (a) the visible emissions are not greater than 40 percent opacity; and (b) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.”

Mechanism For Demonstrating Compliance:

The Part 70 permit does not impose a specific schedule for conducting observations of stack emissions, however the Permittee is required under the general reporting requirement for excess emissions and deviations to report occurrences of observed visible emissions that exceed the standard (20 percent opacity).

Rationale For Not Requiring Periodic Observations:

The Part 70 permit requires that the ovens burn only natural gas (see A2 immediately below), which leaves little potential for visible emissions. Particulate emissions from the oven are virtually zero, and emissions of ethanol (which is the primary pollutant from the baking process) are not visible.

- A2. **Operational Requirement:** The Permittee shall burn only natural gas in each of the ovens unless the Permittee obtains from the Department written authorization to burn alternative fuels. [Authority: COMAR 26.11.02.09A]

Mechanism For Demonstrating Compliance:

The Permittee is required to maintain records of the types and quantity of fuel burned to support the annual emissions certification report (permit condition 8 of Section III, Plant Wide Conditions "Emissions Certification Report). The annual certification report must contain the type, quantities, and analyses of all fuels burned. No additional requirements are needed to show compliance with this operational limitation.

- B. Control of Particulate:

COMAR 26.11.06.03B(1)(a), which limits the concentration of particulate matter in process exhaust gases to not more than 0.05 grains per standard cubic foot of dry gas.

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Mechanism For Demonstrating Compliance:

The Permittee is required to burn only natural gas in the baking ovens (see Operational Requirement A2 above), and the facility operates two (2) vacuum reclaiming systems (emissions units E-01 and F-01) to capture potential emissions of unused farina. These measures are sufficient to ensure that particulate emissions will be minimal.

C. Control of VOC

- C1. **COMAR 26.11.19.21**, which establishes requirements for control of VOC from commercial bakery ovens.
- C2. In accordance with **COMAR 26.11.19.21C(2) & D(1)**, if the facility's largest oven (*see note below*) exceeds the average annual production tonnage of finished bread, rolls, or other yeast-raised products for the corresponding Yt value listed below, then thereafter the Permittee shall be subject to COMAR 26.11.19.21D(2).
- (1) 10,000 tons with a Yt value of greater than 11.0;
 - (2) 15,000 tons with a Yt value between 8.1 and 11.0;
 - (3) 22,500 tons with a Yt value between 5 and 8.0; (*see note below*)
 - (4) 28,000 tons with a Yt value less than 5.

Note: The Permittee previously identified the "largest oven" as oven no. 1, as determined by COMAR 26.11.19.21, which refers to an oven installed after 1942 and before January 1, 1994 and that has the highest actual annual production by weight.

This regulation has been altered in this text due to an existing error in the original regulation.

- C3. In accordance with **COMAR 26.11.19.21C(5)**, for any commercial bakery oven constructed on or after January 1, 1994 that satisfies the conditions in COMAR 26.11.19.21D(1) the Permittee shall comply with COMAR 26.11.19.21D(2).

Note: In accordance with COMAR 26.11.19.21C(5), any commercial baking oven installed on or after January 1, 1994 that exceeds the production tonnage for the

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oven's corresponding Yt value listed in §D(1) is subject to the control requirements provided under §D(2). To date the Permittee's production has not required any of the ovens to be subject to §D(2).

- C4. In accordance with **COMAR 26.11.19.21D(2)**, if the facility's largest commercial bakery oven satisfies any of the conditions in **COMAR 26.11.19.21D(1)**, the Permittee shall not cause or permit the discharge of VOC into the atmosphere unless emissions from the largest bakery oven are exhausted directly into a control device which is installed, operated, and maintained to reduce VOC emissions from the bakery oven by 80 percent or more overall. In accordance with **COMAR 26.11.19.21F(3)**, if the facility's largest oven satisfies any of the conditions in **COMAR 26.11.19.21D(1)** the Permittee shall comply with the requirements of **COMAR 26.11.19.21D(2)** within 1 calendar year after the year in which the conditions were satisfied.

Mechanism For Demonstrating Compliance:

The Permittee is required to determine and maintain records of the production of yeast raised products and weighted Yt values for the facility's largest pre-1994 oven and for each oven installed after January 1, 1994 for each month of operation and for all periods of twelve consecutive months. The average Yt value for all ovens in 2018 was 5.0. The facility uses all ovens for each product type and does not determine the Yt value per oven, instead recording the overall production and individual Yt values per bakery item. In 2018, the production for all bakery products was 34,442 tons in 2018, with ovens 1, 2, and 4 producing 7,654 tons each, and oven 3 producing 11,480 tons of bakery products. At these amounts, the facility is in compliance with the conditions of **COMAR 26.11.19.21C(2)** and **D(1)**.
[Authority: **COMAR 26.11.03.06C**]

Currently the Permittee is not required to install add-on controls. If an affected oven's production tonnage exceeds the amount associated with the pertinent Yt value provided under **COMAR 26.11.19.21D(1)** then the Permittee is required to notify the Department and install the required control device in accordance with the schedule provided under **COMAR 26.11.19.21F(3)**.

- 3. Table IV-3 – Emissions Units E-01 and F-01:** Two (2) vacuum systems: one (1) that reclaims unburned (recyclable) farina (ARA Registration No. 8-0085); and one (1) that captures burnt (non-recyclable) farina for disposal (ARA Registration No. 8-0086).

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A. Visible Emissions Limitations

COMAR 26.11.06.02C(1), which requires for Area II of the State that a person not cause or permit the discharge of emissions from any installation or building, other than water in uncombined form, which is greater than 20 percent opacity.

Exceptions: **COMAR 26.11.06.02A(2)** establishes that “the visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modifications or adjustments, or occasional cleaning of control equipment, if: (a) the visible emissions are not greater than 40 percent opacity; and (b) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.”

B. Control of Particulate:

COMAR 26.11.06.03B(1)(a), which limits the concentration of particulate matter in process exhaust gases to not more than 0.05 grains per standard cubic foot of dry gas.

C. Operational Requirement:

The Permittee shall vent exhaust gases from each vacuum system through a properly maintained and operated baghouse before discharge to atmosphere. [Authority: COMAR 26.11.02.09A]

Mechanism For Demonstrating Compliance:

The Permittee is required to perform monthly observations for visible emissions from each vacuum system when the system is operating under a normal load. If no visible emissions are observed from a vacuum system for 6 consecutive months the Permittee may then relax the frequency of observation for that system to once per quarter. The Permittee is also required to equip the vacuum systems with baghouses, and as shown under item B below the Permittee is required to implement a preventive maintenance plan that will ensure that the baghouses are properly maintained.

The Permittee is required to establish in writing, revise as necessary, and implement a preventive maintenance (PM) plan for the baghouses that control emissions from the vacuum systems. The PM plan is to be designed to ensure consistent compliance with all applicable particulate and visible

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emissions standards, and to include descriptions of maintenance activities to be performed and a schedule for performance of each activity. The Permittee is required to perform maintenance activities in accordance with the schedules established in the PM plan and is required to maintain records of the dates on which each maintenance activity was performed. [Authority: COMAR 26.11.03.06C]

Rationale For Compliance Demonstration Mechanism:

There is no history of visible emissions problems associated with either vacuum system. The combination of required observations and performance of appropriate preventive maintenance on the required baghouses will be sufficient to demonstrate compliance status with regard to the visible emissions standard.

The baghouses that control emissions from the vacuum systems are designed to reduce particulate concentration in exhaust gases to less than 0.01 gr/scfd before discharge to atmosphere. The requirement that the Permittee develop and implement a PM plan that will ensure that the baghouses are properly maintained will be sufficient to provide consistent compliance with the standard. The requirement that the Permittee maintain records of all maintenance performed on the baghouses will provide the inspector with a means for determining whether maintenance activities prescribed by the plan are being performed as frequently as the plan requires.

4. Table IV-4 – Emissions Unit C-01: Ten (1) bulk storage silos equipped with baghouses for storage of white flour, wheat flour, and farina (All registered under ARA Registration No. 9-0219).

A. Visible Emissions Limitations

COMAR 26.11.06.02C(1), which requires for Area II of the State that a person not cause or permit the discharge of emissions from any installation or building, other than water in uncombined form, which are greater than 20 percent opacity.

Exceptions: **COMAR 26.11.06.02A(2)** establishes that “the visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modifications or adjustments, or occasional cleaning of control equipment, if: (a) the visible emissions are not greater than 40 percent opacity; and (b) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.”

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B. Control of Particulate:

COMAR 26.11.06.03B(1)(a), which limits the concentration of particulate matter in process exhaust gases to not more than 0.05 grains per standard cubic foot of dry gas.

C. Operational Requirement:

The Permittee shall vent exhaust gases from each storage silo system through a properly maintained and operated baghouse before discharge to atmosphere. [Authority: COMAR 26.11.02.09A]

Mechanism For Demonstrating Compliance:

The Permittee is required to perform monthly observations for visible emissions from the silos. If no visible emissions are observed from a unit for 6 consecutive months the Permittee may then relax the frequency of observation for that unit to once per quarter. The Permittee is also required to equip the silos with baghouses, and to implement a preventive maintenance plan that will ensure that the baghouses are properly maintained.

The Permittee is required to establish in writing, revise as necessary, and implement a preventive maintenance (PM) plan for the baghouses that control emissions from the silos. The PM plan is to be designed to ensure consistent compliance with all applicable particulate and visible emissions standards, and to include descriptions of maintenance activities to be performed and a schedule for performance of each activity. The Permittee is required to perform maintenance activities in accordance with the schedules established in the PM plan and shall maintain records of the dates on which each maintenance activity was performed. [Authority: COMAR 26.11.03.06C]

Rationale For Compliance Demonstration Mechanism:

There is no history of visible emissions problems associated with any of the silos. The combination of required observations and performance of appropriate preventive maintenance on the required baghouses will be sufficient to demonstrate compliance status with regard to the visible emissions standard.

The baghouses that control emissions from the silos are designed to reduce particulate concentration in exhaust gases to less than 0.01 gr/scfd before discharge to atmosphere. The requirement that the Permittee develop and

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implement a PM plan that will ensure that the baghouses are properly maintained will be sufficient to provide consistent compliance with the standard. The requirement that the Permittee maintain records of all maintenance performed on the baghouses will provide the inspector with a means for determining whether maintenance activities prescribed by the plan are being performed as frequently as the plan requires.

COMPLIANCE SCHEDULE

S. B. Thomas Facility is currently in compliance with all applicable air quality regulations.

TITLE IV – ACID RAIN

Not Applicable

TITLE VI – OZONE DEPLETING SUBSTANCES

S. B. Thomas Facility is not subject to Title VI requirements.

SECTION 112(r) – ACCIDENTAL RELEASE

S. B. Thomas Facility is not subject to the requirements of Section 112(r).

PERMIT SHIELD

The S.B. Thomas Facility requested that a permit shield be expressly included in the Permittee's Part 70 permit. Permit shields are granted on an emission unit by emission unit basis. If an emission unit is covered by a permit shield, a permit shield statement will follow the emission unit table in Section IV - Plant Specific Conditions of the permit. In this case, a permit shield was granted for each emission unit covered by the permit.

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INSIGNIFICANT ACTIVITIES

This section provides a list of insignificant emissions units that were reported in the Title V permit application. The applicable Clean Air Act requirements, if any, are listed below the insignificant activity.

- (1) No. 1 Stationary internal combustion engines with an output less than 500 brake horsepower (373 kilowatts) and which are not used to generate electricity for sale or for peak or load shaving;

The 25 hp natural gas-fired Kohler emergency engine is subject to the following requirements:

- (A) COMAR 26.11.09.05E(2), Emissions During Idle Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.
- (B) COMAR 26.11.09.05E(3), Emissions During Operating Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.
- (C) Exceptions:
 - (i) COMAR 26.11.09.05E(2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.
 - (ii) COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
 - (a) Engines that are idled continuously when not in service: 30 minutes
 - (b) all other engines: 15 minutes.
 - (iii) COMAR 26.11.09.05E(2) & (3) do not apply while maintenance, repair or testing is being performed by qualified mechanics.

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Note: The emergency engine is subject to the 40 CFR 60, Subpart JJJJ regulations.

- (2) First aid and emergency medical care provided at the facility, including related activities such as sterilization and medicine preparation used in support of a manufacturing or production process;
- (3) Comfort air conditioning subject to requirements of Title VI of the Clean Air Act; and
- (4) any other emissions unit at the facility which is not subject to an applicable requirement of the Clean Air Act (list and describe):

No. 1 Wastewater pre-treatment plant that reduces suspended solids and biological oxygen demand (BOD) in plant wastewater before discharge to Frederick County wastewater treatment plant. Emissions of VOC range from 100 to 150 pounds per million gallons of wastewater pre-treated. The facility pre-treats less than 3 million gallons of wastewater per year. The facility has one (1) flare to control exhaust gases from the anaerobic digester on the wastewater treatment system (ARA Registration No. 021-0234-9-0220).

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SECTION VI STATE-ONLY ENFORCEABLE CONDITIONS

The Permittee is subject to the following State-only enforceable requirements:

1. Applicable Regulations:

- (A) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
- (B) COMAR 26.11.15.05, which requires that the Permittee implement “Best Available Control Technology for Toxics” (T – BACT) to control emissions of toxic air pollutants.
- (C) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.

2. Operating Conditions: No additional requirements.

3. Testing and Monitoring: No additional requirements.

4. Record Keeping and Reporting:

The Permittee shall submit to the Department, by April 1 of each year during the term of this permit, a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee’s facility during the previous calendar year. The analysis shall include either:

- (A) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or
- (B) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.

