NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Modification to a
Part 70 Operating Permit

for Albanese Confectionery Group, Inc. in Lake County

Significant Source Modification No.: 089-41447-00006
Significant Permit Modification No.: 089-41625-00006

The Indiana Department of Environmental Management (IDEM) has received an application from Albanese Confectionery Group, Inc., located at 5441 E Lincoln Hwy, Merrillville, IN 46410, for a significant modification of its Part 70 Operating Permit issued on June 22, 2018. If approved by IDEM’s Office of Air Quality (OAQ), this proposed modification would allow Albanese Confectionery Group, Inc. to make certain changes at its existing source. Albanese Confectionery Group, Inc. has applied to construct two (2) new gummi manufacturing lines, two (2) natural gas-fired boilers, two (2) finished product packaging lines, three (3) 24,000 gallon corn syrup tanks, and one (1) regenerative thermal oxidizer.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g. changes that add or modify synthetic minor emission limits). IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

A copy of the permit application and IDEM’s preliminary findings are available at:

Lake County Public Library - Merrillville Branch
1919 W 81st Ave
Merrillville, IN 46410

and

IDEM Northwest Regional Office
330 W. US Highway 30, Suites E & F
Valparaiso, IN 46385

A copy of the preliminary findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

A copy of the preliminary findings is also available via IDEM’s Virtual File Cabinet (VFC.) Please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

How can you participate in this process?

The date that this notice is posted on IDEM’s website (https://www.in.gov/idem/5474.htm) marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.
You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the air pollution impact of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM’s mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SSM 089-41447-00006 and SPM 089-41625-00006 in all correspondence.

Comments should be sent to:

Natalie Moore
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for Natalie Moore or (317) 233-8279
Or dial directly: (317) 233-8279
Fax: (317) 232-6749 attn: Natalie Moore
E-mail: nmoore@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: [http://www.in.gov/idem/airquality/2356.htm](http://www.in.gov/idem/airquality/2356.htm); and the Citizens' Guide to IDEM on the Internet at: [http://www.in.gov/idem/6900.htm](http://www.in.gov/idem/6900.htm).

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM’s response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM’s decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, at the IDEM Regional Office indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.
If you have any questions, please contact Natalie Moore of my staff at the above address.

Madhurima Das
Madhurima D. Moulak, Ph.D., Section Chief
Permits Branch
Office of Air Quality
Mr. James Dragon
Albanese Confectionery Group, Inc.
5441 E Lincoln Hwy
Merrillville, IN 46410

Re: 089-41625-00006
Significant Permit Modification

Dear Mr. Dragon:

Albanese Confectionery Group, Inc. was issued Part 70 Operating Permit Renewal No. T089-39670-00006 on June 22, 2018 for a stationary candy manufacturing facility located at 5441 E Lincoln Hwy, Merrillville, Indiana 46410. An application requesting changes to this permit was received on May 10, 2019. Pursuant to the provisions of 326 IAC 2-7-12, a Significant Permit Modification to this permit is hereby approved as described in the attached Technical Support Document.

Please find attached the entire Part 70 Operating Permit as modified. The permit references the below listed attachment(s). Since this attachment has been provided in previously issued approvals for this source, IDEM OAQ has not included a copy of this attachment with this modification:

Attachment A: 40 CFR 60, Subpart Dc, New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units

Previously issued approvals for this source containing this attachment are available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

Previously issued approvals for this source are also available via IDEM's Virtual File Cabinet (VFC.) Please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.


A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. A copy of the permit is also available via IDEM's Virtual File Cabinet (VFC.) Please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the Citizens’ Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.
If you have any questions regarding this matter, please contact Natalie Moore, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 233-8279 or (800) 451-6027, and ask for Natalie Moore or (317) 233-8279.

Sincerely,

Madhurima D. Moulik, Ph.D., Section Chief Permits Branch Office of Air Quality

Attachments: Modified Permit and Technical Support Document

cc: File - Lake County
Lake County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch
IDEM Northwest Regional Office
Part 70 Operating Permit
OFFICE OF AIR QUALITY

Albanese Confectionery Group, Inc.
5441 E Lincoln Hwy
Merrillville, Indiana 46410

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T089-39670-00006
Master Agency Interest ID.: 25688
Issued by: Original signed by:
Nathan C. Bell, Section Chief
Permits Branch, Office of Air Quality
Issuance Date: June 22, 2018
Expiration Date: June 22, 2023

Significant Permit Modification No.: 089-41625-00006
Issued by:
Madhurima D. Moulik, Ph.D., Section Chief
Permits Branch
Office of Air Quality
Issuance Date: June 22, 2018
Expiration Date: June 22, 2023
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Attachment A: 40 CFR 60, Subpart Dc
SECTION A  SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)][40 CFR 81.315][326 IAC 2-1.1-4(a)]

The Permittee owns and operates a stationary candy manufacturing facility.

Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
General Source Phone Number: 219-942-1877
SIC Code: 2064 (Candy and Other Confectionery Products)
5441 (Candy, Nut, and Confectionery Stores)
County Location: Lake
Source Location Status: Nonattainment for 8-hour ozone standard
Attainment for all other criteria pollutants
Source Status: Part 70 Operating Permit Program
Major Source, under Emission Offset Rules
Minor Source, Section 112 of the Clean Air Act
Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

This stationary source consists of the following emission units and pollution control devices:

(a) Two (2) 12,000 gallon corn syrup tanks, identified as CST1 and CST2, shared by Gummi Lines 1 through 6;
(b) Completely enclosed piping for transport of corn syrup to Kitchens 1 through 6.
(c) One (1) Gummi Manufacturing Line, identified as Gummi Line 1 (EU-01), constructed in 2009, having a maximum throughput capacity of 7,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 1, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 5,460 pounds of dry ingredients and minor ingredients per hour, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;
(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 6,000 gallon liquid sugar-free syrup tank (SfST).

(ii) One (1) 150 gallon mixing vessel, identified as gelatin hydration tank (GHT).

(iii) One (1) 150 gallon mixing vessel, identified as High Shear Tank (HiShTk), for mixing special order recipes.

(iv) One (1) 200 gallon mixing vessel, identified as Pre-Mix Tank (PMT1), for mixing the basic gummi recipe.

(v) One (1) 200 gallon storage kettle, identified as buffer tank 1 (BT1).

(vi) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 1 (VT1).

(vii) One (1) 150 gallon holding tank, identified as Surge Tank (ST); and

(viii) Six (6) 50 gallon mixing kettles, identified as Flavor Kettles #1 - #6 (KTL1), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH1, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 1, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH1, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC1, which exhausts inside the building;

(D) One (1) completely enclosed screw conveyor/auger, used to transport starch from the hopper to the Mogul mold preparation unit;

(E) One (1) Mogul, identified as Mogul #1, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 1, with a maximum throughput capacity of 15,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC1, to capture suspended conditioned starch from within the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD1, for dispensing liquid gummi material into the starch molds; and
(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS1, with a maximum throughput capacity of 15,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC1, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS1.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 1, including:

(A) One (1) sugar sanding operation, identified as SSO1, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr1, with a maximum sugar usage rate of 600 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr1, for application of food-grade oil to formed gummi candy.

(d) One (1) Gummi Manufacturing Line, identified as Gummi Line 2 (EU-02), constructed in 2012, having a maximum throughput capacity of 7,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 2, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 5,460 pounds of dry ingredients and minor ingredients per hour, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT2), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT2).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 2 (VT2); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #7 - #12 (KTL2), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH2, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 2, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH2, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC2, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #2, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 2, with a maximum throughput capacity of 15,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC2, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD2, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS2, with a maximum throughput capacity of 15,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC2, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS2.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 2, including:

(A) One (1) sugar sanding operation, identified as SSO2, consisting of:

(i) One (1) enclosed conveyor/steamer unit;
(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr2, with a maximum sugar usage rate of 600 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr2, for application of food-grade oil to formed gummi candy.

(e) One (1) Gummi Manufacturing Line, identified as Gummi Line 3 (EU-04), constructed in 2015, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 3, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT3), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT3).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT3); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #13 - #18 (KTL3), for mixing in micro ingredients.
(F) One (1) flavor kettle weigh hopper, identified as FKWH3, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 3, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH3, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC3, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #3, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 3, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC3, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD3, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS3, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC3, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS3.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 3, including:

(A) One (1) sugar sanding operation, identified as SSO3, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr3, with a maximum sugar usage rate of 860 pounds per hour, with
particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr3, for application of food-grade oil to formed gummi candy.

(f) One (1) Gummi Manufacturing Line, identified as Gummi Line 4 (EU-05), constructed in 2018, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, controlled by RTO-1, and including:

(1) One (1) kitchen, identified as Kitchen 4, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT4), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT4).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT4); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #19-#24 (KTL3), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH4, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 4, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH4, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions
controlled by a hood and routed to the starch reclaim dust collector, identified as RC4, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #4, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 4, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC4, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD4, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS4, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC4, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS4.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 4, including:

(A) One (1) sugar sanding operation, identified as SSO4, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr4, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr4, for application of food-grade oil to formed gummi candy.

(g) One (1) Chocolate Panning Line, including the following:

(1) Manual hand additions of raw materials, such as liquid chocolate, polishes, nuts, and soft centers;

(2) Two (2) natural gas-fired boilers for melting chocolate for use in the engrossing process, identified as Lochinvar Melting Boilers #1 & 2, constructed in 2007, with
maximum heat input capacities of 0.21 MMBtu per hour, each, uncontrolled and exhausting outside the building to stacks LDBS1 and LDBS2 [326 IAC 6.8];

(3) One (1) chocolate engrossing process, consisting of three (3) chocolate belt coaters, identified as BC1, BC2, BC3, constructed in 1990, 2007, 2010, for the application of liquefied chocolate to roasted nuts and soft candy centers, with a combined maximum throughput capacity of 1200 pounds of engrossed candy per hour, utilizing VOC and HAP-free ingredients, uncontrolled and exhausting inside the building; and

(4) One (1) candy polishing process, identified as Polishing, having a maximum batch process rate of 1500 pounds of candy per hour, adding a maximum of 9.92 pounds of candy polish per hour containing a maximum of 70 percent (%) by weight of VOC, uncontrolled and exhausting inside the building.

(5) Manual loading and unloading of intermediate and finished products;

(h) Two (2) natural gas-fired, indirect-fired heaters/boilers, identified as Boiler #3 and Boiler #4, constructed in 2015, serving Gummi Lines 1 through 6, each having a maximum heat input capacity of 11.54 MMBtu/hr, uncontrolled and exhausting to stacks GFBS1 and GFBS2, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #3 and Boiler #4 are considered affected units.

(i) Two (2) natural gas-fired boilers, identified as Boilers #5 and #6, approved in 2019 for construction, serving Gummi Lines 1 through 6, with a maximum heat input capacity of 11.54 MMBtu/hr, each, uncontrolled, and exhausting to stacks GFBS3 and GFBS4, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #5 and Boiler #6 are considered affected units.

(j) One (1) Gummi Manufacturing Line, identified as Gummi Line 5 (EU-06), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 5, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT5), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 5 (BT5).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 5 (VT5); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #25 - #30 (KTL5), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH5, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 5, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH5, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC5, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #5, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 5, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC5, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD5, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS5, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC5, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS5.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 5, including:

(A) One (1) sugar sanding operation, identified as SSO5, consisting of:

(i) One (1) enclosed conveyor/steamer unit;
(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr5, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr5, for application of food-grade oil to formed gummi candy.

(k) One (1) Gummi Manufacturing Line, identified as Gummi Line 6 (EU-07), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 6, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT6), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 6 (BT6).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 6 (VT6); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #31 - #36 (KTL6), for mixing in micro ingredients.
(F) One (1) flavor kettle weigh hopper, identified as FKWH6, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 6, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH6, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC6, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #6, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 6, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC6, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD6, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS6, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC6, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS6.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 6, including:

(A) One (1) sugar sanding operation, identified as SSO6, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr6, with a maximum sugar usage rate of 860 pounds per hour, with
particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr6, for application of food-grade oil to formed gummi candy.

(l) Three (3) 24,000 gallon corn syrup tanks, identified as CST3 through CST5, shared by Gummi Lines 1 through 6.

(m) One (1) regenerative thermal oxidizer, identified as RTO-1, approved in 2019 for construction, with a burner maximum heat input capacity of 1.1 MMBtu/hr, used to control the kitchen areas associated with Gummi Lines 3 through 6.

A.3 Specifically Regulated Insignificant Activities

- Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, as follows:

<table>
<thead>
<tr>
<th>Emission Unit ID</th>
<th>Year Installed</th>
<th>Capacity (MMBtu/hr)</th>
<th>Stack ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muira Boiler 2</td>
<td>1999</td>
<td>5.88</td>
<td>MBS2</td>
</tr>
<tr>
<td>State 75gal. Water Heater #1</td>
<td>2007</td>
<td>0.08</td>
<td>SWHS1</td>
</tr>
<tr>
<td>State 75gal. Water Heater #2</td>
<td>2007</td>
<td>0.08</td>
<td>SWHS2</td>
</tr>
</tbody>
</table>

- One (1) cold cleaner degreasing unit, constructed in 1999, with a maximum annual replacement volume of 20 gallons of HAP-free solvent per year, uncontrolled and exhausting inside the building;

- One (1) natural gas-fired nut roaster, identified as Nut Roaster, constructed in 2007, with a maximum heat input capacity of 0.30 MMBtu per hour, and a maximum throughput capacity of 250 pounds of nuts per hour, uncontrolled and exhausting through stack NRS1;

- Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, as follows:

<table>
<thead>
<tr>
<th># of Units</th>
<th>Emission Unit Type</th>
<th>EU ID</th>
<th>Year Installed</th>
<th>Capacity (MMBtu/hr)</th>
<th>Stack ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>25-Ton Trane RTU heaters</td>
<td>RTU1 - 4</td>
<td>1999</td>
<td>0.400</td>
<td>RTUS1 - 4</td>
</tr>
<tr>
<td>18</td>
<td>25-Ton Trane RTU heaters</td>
<td>RTU5 - 22</td>
<td>1999</td>
<td>0.250</td>
<td>RTUS5 - 22</td>
</tr>
<tr>
<td>1</td>
<td>17.5-Ton Trane RTU heater</td>
<td>RTU23</td>
<td>1999</td>
<td>0.350</td>
<td>RTUS23</td>
</tr>
<tr>
<td>1</td>
<td>10-Ton Trane RTU heater</td>
<td>RTU24</td>
<td>1999</td>
<td>0.250</td>
<td>RTUS24</td>
</tr>
<tr>
<td>2</td>
<td>7.5-Ton Trane RTU heaters</td>
<td>RTU25 &amp; 26</td>
<td>1999</td>
<td>0.120</td>
<td>RTUS25 &amp; 26</td>
</tr>
<tr>
<td>1</td>
<td>6-Ton Aaron RTU heater</td>
<td>RTU27</td>
<td>1999</td>
<td>0.180</td>
<td>RTUS27</td>
</tr>
<tr>
<td>1</td>
<td>4-Ton Trane RTU heater</td>
<td>RTU28</td>
<td>1999</td>
<td>0.080</td>
<td>RTUS28</td>
</tr>
<tr>
<td>1</td>
<td>Cambridge Make-up Air heater</td>
<td>RTU29</td>
<td>1999</td>
<td>0.770</td>
<td>RTU29</td>
</tr>
</tbody>
</table>

- Paved roads and parking lots with public access.

A.4 Non-specifically Regulated Insignificant Activities

- Paved roads and parking lots with public access.
(a) Six (6) finished product packaging lines, with a bottlenecked throughput capacity of 7,000 pounds of finished candy per hour each for Gummi Lines 1 & 2, and 10,000 pounds of finished candy per hour for Gummi Lines 3, 4, 5, & 6, or 54,000 pounds per hour combined; including:

(1) Enclosed finished product conveying systems;
(2) Finished product packaging operations;
(3) Package/label marking, using inkjet printers, with potential VOC uncontrolled emissions from ink usage meeting the exemption levels under 326 IAC 2-7-1(21)(A) and (B).
(4) Manual loading and unloading of packaged finished product;
(5) Finished product shipping;

(b) Air compressors and pneumatically operated equipment associated with production.

(c) Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.

(d) Boiler blowdown.

A.5 Part 70 Permit Applicability [326 IAC 2-7-2][40 CFR 81.315] [326 IAC 2-1.1-4(a)]
This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);
(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).
SECTION B  GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]
Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]
(a) This permit, T089-39670-00006, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]
Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7][IC 13-17-12]
Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]
The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.
B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(35).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source’s compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee’s control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

The permitted facility was at the time being properly operated;

During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 464-0233; fax: (219) 464-0553.

For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee immediately took all reasonable steps to correct the emergency.

In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

1. The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

2. The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

3. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T089-39670-00006 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source’s existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]. The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source’s failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs
[326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

   Indiana Department of Environmental Management
   Permit Administration and Support Section, Office of Air Quality
   100 North Senate Avenue
   MC 61-53 IGCN 1003
   Indianapolis, Indiana 46204-2251

   and

   United States Environmental Protection Agency, Region 5
   Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
   77 West Jackson Boulevard
   Chicago, Illinois 60604-3590

   in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee’s copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

   Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1).
(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(37)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

1. A brief description of the change within the source;
2. The date on which the change will occur;
3. Any change in emissions; and
4. Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]
A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]
Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee’s right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee’s premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.
SECTION C  SOURCE OPERATION CONDITIONS

Emission Limitations and Standards  [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity  [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning  [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration  [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.5 Fugitive Dust Emissions  [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Asbestos Abatement Projects  [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.7 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:
no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

(a) For new units:

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
C.10 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than ninety (90) days after the date of issuance of this permit.

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.12 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.13 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual
manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

1. initial inspection and evaluation;
2. recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
3. any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

1. monitoring results;
2. review of operation and maintenance procedures and records; and/or
3. inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.15 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), the Permittee shall submit by July 1 an emission statement covering the previous calendar year as follows:

1. starting in 2004 and every three (3) years thereafter, and
(2) any year not already required under (1) if the source emits volatile organic compounds or oxides of nitrogen into the ambient air at levels equal to or greater than twenty-five (25) tons during the previous calendar year.

(b) The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(33) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:

(AA) All calibration and maintenance records.
(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:

(AA) The date, place, as defined in this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

(c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other
than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.
the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

(e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

1. The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and

2. The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:

1. The name, address, and telephone number of the major stationary source.

2. The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.

3. The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

4. Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:
Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.
SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(c) One (1) Gummi Manufacturing Line, identified as Gummi Line 1 (EU-01), constructed in 2009, having a maximum throughput capacity of 7,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 1, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 5,460 pounds of dry ingredients and minor ingredients per hour, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 6,000 gallon liquid sugar-free syrup tank (SfST).

(ii) One (1) 150 gallon mixing vessel, identified as gelatin hydration tank (GHT).

(iii) One (1) 150 gallon mixing vessel, identified as High Shear Tank (HiShTk), for mixing special order recipes.

(iv) One (1) 200 gallon mixing vessel, identified as Pre-Mix Tank (PMT1), for mixing the basic gummi recipe.

(v) One (1) 200 gallon storage kettle, identified as buffer tank 1 (BT1).

(vi) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 1 (VT1).

(vii) One (1) 150 gallon holding tank, identified as Surge Tank (ST); and

(viii) Six (6) 50 gallon mixing kettles, identified as Flavor Kettles #1 - #6 (KTL1) for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH1, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 1, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;
(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH1, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC1, which exhausts inside the building;

(D) One (1) completely enclosed screw conveyor/auger, used to transport starch from the hopper to the Mogul mold preparation unit;

(E) One (1) Mogul, identified as Mogul #1, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 1, with a maximum throughput capacity of 15,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC1, to capture suspended conditioned starch from within the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD1, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS1, with a maximum throughput capacity of 15,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC1, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS1.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 1, including:

(A) One (1) sugar sanding operation, identified as SSO1, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr1, with a maximum sugar usage rate of 600 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr1, for application of food-grade oil to formed gummi candy.

(d) One (1) Gummi Manufacturing Line, identified as Gummi Line 2 (EU-02), constructed in 2012, having a maximum throughput capacity of 7,000 pounds of finished gummi candy per hour, and including:
(1) One (1) kitchen, identified as Kitchen 2, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 5,460 pounds of dry ingredients and minor ingredients per hour, and including:

(A) Dry ingredient and minor ingredient storage, including:
   (i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and
   (ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
   (i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT2), for mixing the basic gummi recipe.
   (ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT2).
   (iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 2 (VT2);
        and
   (iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #7 - #12 (KTL2), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH2, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 2, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH2, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC2, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #2, consisting of:
   (i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 2, with a maximum throughput capacity of 15,000 pounds of starch per hour, equipped with an integral starch reclaim collector,
identified as RC2, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD2, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS2, with a maximum throughput capacity of 15,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC2, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS2.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 2, including:

(A) One (1) sugar sanding operation, identified as SSO2, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr2, with a maximum sugar usage rate of 600 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr2, for application of food-grade oil to formed gummi candy.

(e) One (1) Gummi Manufacturing Line, identified as Gummi Line 3 (EU-04), constructed in 2015, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 3, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;
(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT3), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT3).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT3); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #13 - #18 (KTL3), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH3, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 3, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH3, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC3, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #3, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 3, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC3, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD3, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS3, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC3, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS3.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 3, including:

(A) One (1) sugar sanding operation, identified as SSO3, consisting of:

(i) One (1) enclosed conveyor/steamer unit;
(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr3, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr3, for application of food-grade oil to formed gummi candy.

(f) One (1) Gummi Manufacturing Line, identified as Gummi Line 4 (EU-05), constructed in 2018, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 4, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT4), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT4).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT4); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #19-#24 (KTL3), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH4, for measuring micro ingredients.
(2) One (1) Mogul Line, identified as Mogul Line 4, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH4, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC4, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #4, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 4, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC4, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD4, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS4, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC4, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS4.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 4, including:

(A) One (1) sugar sanding operation, identified as SSO4, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr4, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr4, for application of food-grade oil to formed gummi candy.
One (1) Gummi Manufacturing Line, identified as Gummi Line 5 (EU-06), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 5, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT5), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 5 (BT5).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 5 (VT5); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #25 - #30 (KTL5), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH5, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 5, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH5, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC5, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #5, consisting of:
(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 5, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC5, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD5, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS5, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC5, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS5.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 5, including:

(A) One (1) sugar sanding operation, identified as SSO5, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr5, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr5, for application of food-grade oil to formed gummi candy.

(k) One (1) Gummi Manufacturing Line, identified as Gummi Line 6 (EU-07), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 6, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;
(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
   (i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT6), for mixing the basic gummi recipe.
   (ii) One (1) 200 gallon storage kettle, identified as buffer tank 6 (BT6).
   (iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 6 (VT6); and
   (iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #31 - #36 (KTL6), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH6, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 6, including:
   (A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;
   (B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;
   (C) One (1) starch hopper, identified as StH6, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC6, which exhausts inside the building;
   (D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;
   (E) One (1) Mogul, identified as Mogul #6, consisting of:
      (i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 6, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC6, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.
      (ii) One (1) Mogul Depositor, identified as MD6, for dispensing liquid gummi material into the starch molds; and
      (iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS6, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC6, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS6.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 6, including:
(A) One (1) sugar sanding operation, identified as SSO6, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr6, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr6, for application of food-grade oil to formed gummi candy.

(m) One (1) regenerative thermal oxidizer, identified as RTO-1, approved in 2019 for construction, with a burner maximum heat input capacity of 1.1 MMBtu/hr, used to control the kitchen areas associated with Gummi Lines 3 through 6.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Volatile Organic Compounds (VOCs) Limits [326 IAC 2-3] [326 IAC 8-1-6] [40 CFR 81.315] [326 IAC 2-1.1-4(a)] [40 CFR 51.165] 

(a) Pursuant to F089-36134-00006, issued on August 7, 2015, in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration), 326 IAC 2-3 (Emission Offset) and 326 IAC 8-1-6 (BACT) not applicable, the Permittee shall comply with the following:

(1) VOC emissions from Gummi Line 1 shall not exceed 24.5 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(2) VOC emissions from Gummi Line 2 shall not exceed 24.5 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit VOCs from all other emission units at this source, shall limit the source-wide total potential to emit of VOCs to less than 100 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) not applicable.

Additionally, compliance with these limits, shall limit VOC emissions from Gummi Lines 1 and 2, each, to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) not applicable.

(b) In order to render the requirements of 326 IAC 2-3 (Emission Offset) and 326 IAC 8-1-6 (BACT) not applicable to the 2019 modification, the Permittee shall comply with the following:
VOC emissions from the Gummi Line 3 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

VOC emissions from the Gummi Line 4 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

VOC emissions from the Gummi Line 5 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

VOC emissions from the Gummi Line 6 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits shall limit the net emissions increase VOC of the 2019 modification to less than 25 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) not applicable to the 2019 Modification permitted under SSM No. 089-41447-00006.

Additionally, compliance with these limits shall limit potential VOC emissions from Gummi Lines 3 through 6 to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements) not applicable.

D.1.2 Particulate Emissions Limitations [326 IAC 6.8]

Pursuant to 326 IAC 6.8-1-2(a) (Limitations for Lake County), particulate matter (PM) emissions from the six (6) pre-mix tanks (PMT1 through PMT6), Gelatin Hydration Tank (GHT1), Hi Shear Tank (HiShTk), six (6) Flavor Kettle Weigh Hoppers (FKWH1 through FKWH6), Flavor kettles (#1-36), and starch storage, conveying, and handling (Mogul 1 through 6), Mogul mold processing units (Starch Buck 1 through 6), Mogul starch reconditioning system (SRS1 through SRS6), six (6) sugar sanding tumblers (Stublers), six (6) oiling tumblers, and regenerative thermal oxidizer (RTO-1) shall each not exceed 0.03 grains per dry standard cubic foot (gr/dscf).

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and any associated control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-7-5(1)]

\[
VOC_t = \frac{\sum_{j=1}^{m} VOC_j}{2000} * (1 - r)
\]

Where:

- \(VOC_t\) = Total VOC emissions (tons/month) for each gummi line;
- \(VOC_j\) = VOC content in flavor (%) * Flavor Usage (pounds/month);
- \(m\) = Number of VOC-containing flavors; and
- \(j\) = A given flavoring.
\[ r = \text{Overall VOC efficiency of the capture system and control device} \]

The Permittee shall determine the overall VOC efficiency of the regenerative thermal oxidizer (RTO-1) from the most recent valid stack test. From the date of startup until the stack test results are available, the Permittee shall use an overall VOC efficiency of 76.33% for the regenerative thermal oxidizer (RTO-1).

**D.1.5 VOC Control**

In order to comply with Condition D.1.1(b), the regenerative thermal oxidizer (RTO-1) shall be in operation and control emissions from the Kitchens 3 through 6, at all times Kitchens 3 through 6 are in operation.

**D.1.6 Testing Requirements [326 IAC 2-1.1-11]**

Not later than 180 days after startup of RTO-1, in order to demonstrate compliance with Condition D.1.1(b), the Permittee shall perform VOC (including overall control efficiency of the regenerative thermal oxidizer (RTO-1)) testing for the regenerative thermal oxidizer (RTO-1), utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee’s obligation with regard to the performance testing required by this condition.

**D.1.7 Particulate Control**

(a) In order to assure compliance with Condition D.1.2, the integral starch reclaim collectors, identified as RC1, RC2, RC3, RC4, RC5, and RC6, serving the Mogul mold processing units (Starch Buck 1, Starch Buck 2, Starch Buck 3, Starch Buck 4, Starch Buck 5, and Starch Buck 6) and the integral dryer starch collectors, identified as DC1, DC2, DC3, DC4, DC5, and DC6, serving the Mogul starch reconditioning systems, identified as SRS1, SRS2, SRS3, SRS4, SRS5, and SRS6, shall each operate and control particulate emissions at all times that the respective Mogul mold processing unit (Starch Buck 1, Starch Buck 2, Starch Buck 3, Starch Buck 4, Starch Buck 5, and Starch Buck 6) and Mogul starch reconditioning system (SRS1, SRS2, SRS3, SRS4, SRS5, and SRS6) is in operation.

(b) In order to assure compliance with Condition D.1.2, the integral starch reclaim collectors, identified as RC1, RC2, RC3, RC4, RC5, and RC6, shall operate and control particulate emissions at all times that the respective Mogul mold processing unit (Starch Buck 1, Starch Buck 2, Starch Buck 3, Starch Buck 4, Starch Buck 5, and Starch Buck 6), is in operation.

(c) In order to assure compliance with Condition D.1.2, the integral dryer starch collectors, identified as DC1, DC2, DC3, DC4, DC5, and DC6, shall operate and control particulate emissions at all times that the respective Mogul starch reconditioning systems, identified as SRS1, SRS2, SRS3, SRS4, SRS5, and SRS6, are in operation.

**Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]**

**D.1.8 Thermal Oxidizer Temperature**

(a) A continuous monitoring system shall be calibrated, maintained, and operated on the regenerative thermal oxidizer (RTO-1) for measuring operating temperature. For the purpose of this condition, continuous means no less often than once per fifteen (15) minutes. The output of this system shall be recorded as 3-hour average. From the date of startup until the stack test results are available, the Permittee shall operate the regenerative thermal oxidizer (RTO-1) at or above the 3-hour average temperature of 1,500°F.
(b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits in Condition D.1.1(b).

(c) On and after the date the stack test results are available, the Permittee shall operate the regenerative thermal oxidizer (RTO-1) at or above the 3-hour average temperature as observed during the compliant stack test.

(d) If the 3-hour average temperature falls below the above mentioned 3-hour average temperature, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. A 3-hour average temperature reading below the above mentioned 3-hour average temperature is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

D.1.9 Parametric Monitoring

(a) The Permittee shall determine the appropriate duct pressure or fan amperage from the most recent valid stack test that demonstrates compliance with limits in Condition D.1.1(b).

(b) The duct pressure or fan amperage shall be observed at least once per day when the regenerative thermal oxidizer (RTO-1) is in operation. On and after the date the stack test results are available, the duct pressure or fan amperage shall be maintained within the normal range as established in most recent compliant stack test.

(c) When, for any one reading, the duct pressure or fan amperage is outside the above mentioned range, the Permittee shall take a reasonable response. Section C - Response to Excursions and Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. A reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.10 Volatile Organic Liquid Storage Vessels [326 IAC 8-9]

Pursuant to 326 IAC 8-9-1(b), the two (2) 12,000 gallon liquid corn syrup tanks, the three (3) 24,000 gallon corn syrup tanks, the 6,000 gallon liquid sugar-free syrup tank, the 150 gallon gelatin hydration tank, the 150 gallon high shear tank, the six (6) 200 gallon pre-mix tanks, the six (6) 200 gallon buffer tanks, the six (6) 150 gallon vacuum tanks, the 150 gallon surge tank, the six (6) 50 gallon flavor kettles, and the thirty (30) 10 gallon flavor kettles, are each subject to the reporting and recordkeeping provisions of this rule, as follows:

(a) Pursuant to 326 IAC 8-9-6(a), the Permittee shall keep all records required by this section, for each of the storage tanks, for three (3) years unless specified otherwise. Records required by subsection (b) shall be maintained for the life of the vessel.

(b) Pursuant to 326 IAC 8-9-6(b), the Permittee shall maintain a record for each of the storage tanks, and submit to the department a report containing the following information for each vessel:

1. The vessel identification number.
2. The vessel dimensions.
3. The vessel capacity.
D.1.11 Record Keeping Requirements

(a) To document the compliance status with Conditions D.1.1(a) and D.1.1(b), the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC emissions limits established in Condition D.1.1.

(1) Total number of VOC-containing flavors used during each month and each twelve (12) consecutive month compliance period;

(2) The total amount (in lbs) of each flavoring used during each month and each twelve (12) consecutive month compliance period;

(3) The effective percent by weight VOC content of each flavoring used during each month and each twelve (12) consecutive month compliance period;

(4) Total VOC emissions for each gummi line each month and each twelve (12) consecutive month compliance period;

All calculations used to determine any of the above-listed parameters should be kept as part of the monthly record.

(b) To document the compliance status with Condition D.1.8, the Permittee shall maintain continuous temperature records for the regenerative thermal oxidizer (RTO-1) and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test.

(c) To document the compliance status with Condition D.1.9, the Permittee shall maintain daily records of the duct pressure or fan amperage for the regenerative thermal oxidizer (RTO-1). The Permittee shall include in its daily record when the readings are not taken and the reason for the lack of the readings (e.g. the process did not operate that day).

(d) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the record keeping required by this condition.

D.1.12 Reporting Requirements

Quarterly summaries of the information to document the compliance status with Conditions D.1.1(a) and D.1.1(b) shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
Emission Unit Description:

(g) One (1) Chocolate Panning Line, including the following:

2) Two (2) natural gas-fired boilers for melting chocolate for use in the engrossing process, identified as Lochinvar Melting Boilers #1 & 2, constructed in 2007, with maximum heat input capacities of 0.21 MMBtu per hour, each, uncontrolled and exhausting outside the building to stacks LDBS1 and LDBS2 [326 IAC 6.8];

(h) Two (2) natural gas-fired, indirect-fired heaters/boilers, identified as Boiler #3 and Boiler #4, constructed in 2015, serving Gummi Lines 1 through 6, each having a maximum heat input capacity of 11.54 MMBtu/hr, uncontrolled and exhausting to stacks GFBS1 and GFBS2, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #3 and Boiler #4 are considered affected units.

(i) Two (2) natural gas-fired boilers, identified as Boilers #5 and #6, approved in 2019 for construction, serving Gummi Lines 1 through 6, with a maximum heat input capacity of 11.54 MMBtu/hr, each, uncontrolled, and exhausting to stacks GFBS3 and GFBS4, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #5 and Boiler #6 are considered affected units.

Specifically Regulated Insignificant Activities

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, as follows:

<table>
<thead>
<tr>
<th>Emission Unit ID</th>
<th>Year Installed</th>
<th>Capacity (MMBtu/hr)</th>
<th>Stack ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muira Boiler 2</td>
<td>1999</td>
<td>5.88</td>
<td>MBS2</td>
</tr>
<tr>
<td>State 75gal. Water Heater #1</td>
<td>2007</td>
<td>0.08</td>
<td>SWHS1</td>
</tr>
<tr>
<td>State 75gal. Water Heater #2</td>
<td>2007</td>
<td>0.08</td>
<td>SWHS2</td>
</tr>
</tbody>
</table>

(d) One (1) natural gas-fired nut roaster, identified as Nut Roaster, constructed in 2007, with a maximum heat input capacity of 0.30 MMBtu per hour, and a maximum throughput capacity of 250 pounds of nuts per hour, uncontrolled and exhausting through stack NRS1;

(e) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, as follows:

<table>
<thead>
<tr>
<th># of Units</th>
<th>Emission Unit Type</th>
<th>EU ID</th>
<th>Year Installed</th>
<th>Capacity (MMBtu/hr)</th>
<th>Stack ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>25-Ton Trane RTU heaters</td>
<td>RTU1 - 4</td>
<td>1999</td>
<td>0.400</td>
<td>RTUS1 - 4</td>
</tr>
<tr>
<td>18</td>
<td>25-Ton Trane RTU heaters</td>
<td>RTU5 - 22</td>
<td>1999</td>
<td>0.250</td>
<td>RTUS5 - 22</td>
</tr>
<tr>
<td>1</td>
<td>17.5-Ton Trane RTU heater</td>
<td>RTU23</td>
<td>1999</td>
<td>0.350</td>
<td>RTUS23</td>
</tr>
<tr>
<td>1</td>
<td>10-Ton Trane RTU heater</td>
<td>RTU24</td>
<td>1999</td>
<td>0.250</td>
<td>RTUS24</td>
</tr>
<tr>
<td>2</td>
<td>7.5-Ton Trane RTU heaters</td>
<td>RTU25 &amp; 26</td>
<td>1999</td>
<td>0.120</td>
<td>RTUS25 &amp; 26</td>
</tr>
<tr>
<td>1</td>
<td>6-Ton Aaron RTU heater</td>
<td>RTU27</td>
<td>1999</td>
<td>0.180</td>
<td>RTUS27</td>
</tr>
<tr>
<td>1</td>
<td>4-Ton Trane RTU heater</td>
<td>RTU28</td>
<td>1999</td>
<td>0.080</td>
<td>RTUS28</td>
</tr>
<tr>
<td>1</td>
<td>Cambridge Make-up Air heater</td>
<td>RTU29</td>
<td>1999</td>
<td>0.770</td>
<td>RTU29</td>
</tr>
</tbody>
</table>

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)
Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate Emissions Limitations [326 IAC 6.8]

(a) Pursuant to 326 IAC 6.8-1-2(b)(3) (Limitations for Lake County), particulate matter (PM) emissions from the one (1) 5.88 MMBtu per hour natural gas-fired boiler (Muira Boiler 2), two (2) 0.21 MMBtu per hour natural gas-fired melting boilers (Lochinvar Melting Boilers #1 & #2), four (4) 11.54 MMBtu per hour natural gas-fired boilers (Boiler #3, Boiler #4, Boiler #5, and Boiler #6), and the two (2) 0.08 MMBtu per hour natural gas-fired water heaters (State 75gal. Water Heaters #1 & #2) shall each not exceed 0.01 grains per dry standard cubic foot (gr/dscf).

(b) Pursuant to 326 IAC 6.8-1-2(a) (Limitations for Lake County), particulate matter (PM) emissions from each of the above-listed natural gas-fired direct heaters (Nut Roaster, RTUs, & Make-up Air heater) shall each not exceed 0.03 grains per dry standard cubic foot (gr/dscf).

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.
SECTION D.3  EMISSION UNIT OPERATION CONDITIONS

Specifically Regulated Insignificant Activities

(b) One (1) cold cleaner degreasing unit, constructed in 1999, with a maximum annual replacement volume of 20 gallons of HAP-free solvent per year, uncontrolled and exhausting inside the building;

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold cleaner degreaser control equipment and operating requirements), for cold cleaning operations constructed after January 1, 1980, the Permittee shall comply with the following:

(a) The Permittee shall ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover;

(2) Equip the degreaser with a device for draining cleaned parts;

(3) Close the degreaser cover whenever parts are not being handled in the degreaser;

(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(5) Provide a permanent, conspicuous label that lists the operation requirements in subdivisions (3), (4), (6), and (7);

(6) Store waste solvent only in closed containers.

(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) The Permittee shall ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent used is insoluble in, and heavier than, water.

(C) A refrigerated chiller.

(D) Carbon adsorption.
(E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:

(A) must be a solid, fluid stream; and

(B) shall be applied at a pressure that does not cause excessive splashing.

D.3.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for this facility. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

D.3.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), on and after January 1, 2015, the Permittee shall not operate a cold cleaner degreaser with a solvent that has a VOC composite partial vapor pressure than exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.4 Record Keeping Requirements

(a) Pursuant to 326 IAC 8-3-8(c)(2), on and after January 1, 2015, the following records shall be maintained for each purchase of cold cleaner degreaser solvent:

(1) The name and address of the solvent supplier.

(2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).

(3) The type of solvent purchased.

(4) The total volume of the solvent purchased

(5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligation with regard to the records required by this condition.
**SECTION E.1 NSPS**

**Emissions Unit Description:**

**(h)** Two (2) natural gas-fired, indirect-fired heaters/boilers, identified as Boiler #3 and Boiler #4, constructed in 2015, serving Gummi Lines 1 through 6, each having a maximum heat input capacity of 11.54 MMBtu/hr, uncontrolled and exhausting to stacks GFBS1 and GFBS2, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #3 and Boiler #4 are considered affected units.

**(i)** Two (2) natural gas-fired boilers, identified as Boilers #5 and #6, approved in 2019 for construction, serving Gummi Lines 1 through 6, with a maximum heat input capacity of 11.54 MMBtu/hr, each, uncontrolled, and exhausting to stacks GFBS3 and GFBS4, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #5 and Boiler #6 are considered affected units.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

---

### New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

**E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

**(a)** Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart Dc.

**(b)** Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

---

**E.1.2 New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12] [40 CFR Part 60, Subpart Dc]**

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Dc (included as Attachment A to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit(s) listed above:

1. 40 CFR 60.40c(a), (b), (c)
2. 40 CFR 60.41c
3. 40 CFR 60.42c(h)(4)
4. 40 CFR 60.48(a), (e)(1), (e)(2), (e)(3), (e)(4), (e)(11), (f)(4), (g), (i), (j)

---

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

**E.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]**

A Preventive Maintenance Plan is required for these facilities and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter
☐ Test Result (specify) ________________________________
☐ Report (specify) ________________________________
☐ Notification (specify) ________________________________
☐ Affidavit (specify) ________________________________
☐ Other (specify) ________________________________

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature: ________________________________
Printed Name: ________________________________
Title/Position: ________________________________
Phone: ________________________________
Date: ________________________________
PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006

This form consists of 2 pages

☐ This is an emergency as defined in 326 IAC 2-7-1(12)
  • The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
  • The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:
If any of the following are not applicable, mark N/A

<table>
<thead>
<tr>
<th>Date/Time Emergency started:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date/Time Emergency was corrected:</td>
</tr>
<tr>
<td>Was the facility being properly operated at the time of the emergency?</td>
</tr>
<tr>
<td>Type of Pollutants Emitted: TSP, PM-10, SO₂, VOC, NOₓ, CO, Pb, other:</td>
</tr>
<tr>
<td>Estimated amount of pollutant(s) emitted during emergency:</td>
</tr>
<tr>
<td>Describe the steps taken to mitigate the problem:</td>
</tr>
<tr>
<td>Describe the corrective actions/response steps taken:</td>
</tr>
<tr>
<td>Describe the measures taken to minimize emissions:</td>
</tr>
<tr>
<td>If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:</td>
</tr>
</tbody>
</table>

Form Completed by: ________________________________
Title / Position: ________________________________
Date: ________________________________
Phone: ________________________________
**Part 70 Quarterly Report**

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006
Facility: Gummi Line 1
Parameter: **Volatile Organic Compounds (VOCs)**
Limit: VOC emissions from Gummi Line 1 shall not exceed 24.50 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

<table>
<thead>
<tr>
<th>QUARTER:</th>
<th>YEAR:</th>
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<thead>
<tr>
<th>Month</th>
<th>Column 1</th>
<th>Column 2</th>
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<tbody>
<tr>
<td></td>
<td>VOC Emissions (tons)</td>
<td>VOC Emissions (tons)</td>
<td>VOC Emissions (tons)</td>
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<tr>
<td></td>
<td>This Month</td>
<td>Previous 11 Months</td>
<td>12 Month Total</td>
</tr>
</tbody>
</table>

- [ ] No deviation occurred in this quarter.
- [ ] Deviation/s occurred in this quarter.
  Deviation has been reported on: ___________________

Submitted by: _______________________________________________________
Title / Position: ____________________________________________________
Signature: _________________________________________________________
Date: _____________________________________________________________
Phone: ___________________________________________________________
#### Part 70 Quarterly Report

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006
Facility: Gummi Line 2
Parameter: Volatile Organic Compounds (VOCs)
Limit: VOC emissions from Gummi Line 2 shall not exceed 24.50 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

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<thead>
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<th>QUARTER:</th>
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<tr>
<th>Month</th>
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<tr>
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<td>VOC Emissions (tons)</td>
<td>VOC Emissions (tons)</td>
<td>VOC Emissions (tons)</td>
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☐ No deviation occurred in this quarter.
☐ Deviation/s occurred in this quarter.

Deviation has been reported on: ___________________

Submitted by: _____________________________________________________
Title / Position: ____________________________________________________
Signature: ________________________________________________________
Date: ____________________________________________________________
Phone: ___________________________________________________________
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006
Facility: Gummi Line 3
Parameter: **Volatile Organic Compounds (VOCs)**
Limit: VOC emissions from Gummi Line 3 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

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<thead>
<tr>
<th>QUARTER:</th>
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<tr>
<td>Month</td>
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<td>This Month</td>
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<td>No deviation occurred in this quarter.</td>
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<td>Deviation/s occurred in this quarter.</td>
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Deviation has been reported on: ___________________

Submitted by: _____________________________________________________
Title / Position: ___________________________________________________
Signature: ________________________________________________________
Date: ____________________________________________________________
Phone: ___________________________________________________________
### Part 70 Quarterly Report

**Source Name:** Albanese Confectionery Group, Inc.  
**Source Address:** 5441 E Lincoln Hwy, Merrillville, Indiana 46410  
**Part 70 Permit No.:** T089-39670-00006  
**Facility:** Gummi Line 4  
**Parameter:** Volatile Organic Compounds (VOCs)  
**Limit:** VOC emissions from Gummi Line 4 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

#### QUARTER: ______________________    YEAR: ______________________

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<td>This Month</td>
<td>Previous 11 Months</td>
<td>12 Month Total</td>
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</tbody>
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- □ No deviation occurred in this quarter.  
- □ Deviation/s occurred in this quarter.  
  Deviation has been reported on: ___________________

Submitted by: ________________________________________________________________

Title / Position: ______________________________________________________________

Signature: ________________________________________________________________

Date: ______________________________________________________________

Phone: ________________________________________________________________

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF AIR QUALITY**  
**COMPLIANCE AND ENFORCEMENT BRANCH**
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  

Part 70 Quarterly Report

Source Name: Albanese Confectionery Group, Inc.  
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410  
Part 70 Permit No.: T089-39670-00006  
Facility: Gummi Line 5  
Parameter: **Volatile Organic Compounds (VOCs)**  
Limit: VOC emissions from Gummi Line 5 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

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<td>This Month</td>
<td>Previous 11 Months</td>
<td>12 Month Total</td>
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☐ No deviation occurred in this quarter.  
☐ Deviation/s occurred in this quarter.  
   Deviation has been reported on: ________________

Submitted by: ________________________________________________________________

Title / Position: ______________________________________________________________

Signature: _________________________________________________________________

Date: _____________________________________________________________________

Phone: ___________________________________________________________________
## Part 70 Quarterly Report

**Source Name:** Albanese Confectionery Group, Inc.  
**Source Address:** 5441 E Lincoln Hwy, Merrillville, Indiana 46410  
**Part 70 Permit No.:** T089-39670-00006  
**Facility:** Gummi Line 6  
**Parameter:** Volatile Organic Compounds (VOCs)  
**Limit:** VOC emissions from Gummi Line 6 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

### QUARTER: _______________ YEAR: _______________

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<td>VOC Emissions (tons)</td>
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<td>Previous 11 Months</td>
<td>12 Month Total</td>
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- [ ] No deviation occurred in this quarter.  
- [ ] Deviation/s occurred in this quarter.  
  Deviation has been reported on: _______________

Submitted by: ____________________________________________

Title / Position: ____________________________________________

Signature: ________________________________________________

Date: ____________________________________________________

Phone: ____________________________________________________
This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C - General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked “No deviations occurred this reporting period”.

<table>
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<tr>
<th>Permit Requirement</th>
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<th>Duration of Deviation</th>
<th>Number of Deviations</th>
<th>Probable Cause of Deviation</th>
<th>Response Steps Taken</th>
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<td>Probable Cause of Deviation:</td>
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<td>Response Steps Taken:</td>
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<td>Probable Cause of Deviation:</td>
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<td>Response Steps Taken:</td>
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<td>Probable Cause of Deviation:</td>
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<tr>
<td>Response Steps Taken:</td>
<td></td>
</tr>
</tbody>
</table>

Form Completed by: _______________________________________________________

Title / Position: ___________________________________________________________

Date: ___________________________________________________________________

Phone: _________________________________________________________________
Source Description and Location

Source Name: Albanese Confectionery Group, Inc.
Source Location: 5441 E Lincoln Hwy, Merrillville, IN 46410
County: Lake (Ross Township)
SIC Code: 2064 (Candy and Other Confectionery Products)
5441 (Candy, Nut, and Confectionery Stores)
Operation Permit No.: T089-39670-00006
Operation Permit Issuance Date: June 22, 2018
Significant Source Modification No.: 089-41447-00006
Significant Permit Modification No.: 089-41625-00006
Permit Reviewer: Natalie Moore

Existing Approvals

The source was issued Part 70 Operating Permit No. T089-39670-00006 on June 22, 2018. There have been no subsequent approvals issued.

County Attainment Status

The source is located in Lake County, Ross Township.

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO₂</td>
<td>Better than national standards.</td>
</tr>
<tr>
<td>CO</td>
<td>Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.</td>
</tr>
<tr>
<td>O₃</td>
<td>Serious nonattainment effective September 23, 2019, for the 2008 8-hour ozone standard.¹</td>
</tr>
<tr>
<td>PM₂.₅</td>
<td>Unclassifiable effective April 15, 2015, for the 2012 annual PM₂.₅ standard.</td>
</tr>
<tr>
<td>PM₁₀</td>
<td>Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM₂.₅ standard.</td>
</tr>
<tr>
<td>NO₂</td>
<td>Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.</td>
</tr>
<tr>
<td>Pb</td>
<td>Unclassifiable or attainment effective December 15, 2005. The U.S. EPA has acknowledged in both the proposed and final rulemaking for this redesignation that the anti-backsliding provisions for the 1-hour ozone standard no longer apply as a result of the redesignation under the 8-hour ozone standard. Therefore, permits in Lake County are no longer subject to review pursuant to Emission Offset, 326 IAC 2-3 for the 1-hour standard.</td>
</tr>
</tbody>
</table>

¹Nonattainment Severe 17 effective November 15, 1990, for the Chicago-Gary-Lake County area for the 1-hour ozone standard, which was revoked effective June 15, 2005. The U.S. EPA has acknowledged in both the proposed and final rulemaking for this redesignation that the anti-backsliding provisions for the 1-hour ozone standard no longer apply as a result of the redesignation under the 8-hour ozone standard. Therefore, permits in Lake County are no longer subject to review pursuant to Emission Offset, 326 IAC 2-3 for the 1-hour standard.

Ozone Standards

U.S. EPA, in the Federal Register Notice 84 FR 44238 dated August 23, 2019, designated Lake County as serious nonattainment for the 2008 8-hour ozone standard effective September 23, 2019. An emergency rulemaking for 326 IAC 1-4 is in process to adopt the U.S. EPA’s serious nonattainment designation for Lake and Porter County. The OAQ will rely on the serious nonattainment designation under 40 CFR 81.315 until the emergency rulemaking for 326 IAC 1-4
is effective. Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Therefore, VOC and NOx emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3.

(b) PM$_{2.5}$
Lake County has been classified as attainment for PM$_{2.5}$. Therefore, direct PM$_{2.5}$, SO$_2$, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants
Lake County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

<table>
<thead>
<tr>
<th>Fugitive Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.</td>
</tr>
</tbody>
</table>

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).

<table>
<thead>
<tr>
<th>Greenhouse Gas (GHG) Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>On June 23, 2014, in the case of Utility Air Regulatory Group v. EPA, cause no. 12-1146, (available at <a href="http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf">http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf</a>) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court’s decision. U.S. EPA’s guidance states that U.S. EPA will no longer require PSD or Title V permits for sources “previously classified as ‘Major’ based solely on greenhouse gas emissions.”</td>
</tr>
</tbody>
</table>

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

<table>
<thead>
<tr>
<th>Source Status - Existing Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits. If the control equipment</td>
</tr>
</tbody>
</table>
has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

<table>
<thead>
<tr>
<th>Source-Wide Emissions Prior to Modification (ton/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PM</strong></td>
</tr>
<tr>
<td>----------</td>
</tr>
<tr>
<td><strong>Total PTE of Entire Source Excluding Fugitive Emissions</strong></td>
</tr>
<tr>
<td><strong>Title V Major Source Thresholds</strong></td>
</tr>
<tr>
<td><strong>PSD Major Source Thresholds</strong></td>
</tr>
<tr>
<td><strong>Emission Offset Major Source Thresholds</strong></td>
</tr>
</tbody>
</table>

1Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant."
2PM2.5 listed is direct PM2.5.
*Fugitive HAP emissions are always included in the source-wide emissions.
Starch molding and starch reconditioning potential emissions are considered after integral controls. See the "Integral Part of Process" Determination section of the TSD below for further information.

(a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
(b) This existing source is a major stationary source, under Emission Offset (326 IAC 2-3), because VOC, a nonattainment regulated pollutant(s), is emitted at a rate of 100 tons per year or more.
(c) This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
(d) These emissions are based on the TSD of Part 70 Operating Permit No. T089-39670-00006, issued on June 22, 2018.

**Description of Proposed Modification**

The Office of Air Quality (OAQ) has reviewed an application, submitted by Albanese Confectionery Group, Inc. on May 10, 2019, relating to the construction of two (2) new gummi manufacturing lines, two (2) natural gas-fired boilers, two (2) finished product packaging lines, and three (3) 24,000 gallon corn syrup tanks. As part of this modification, certain emission unit descriptions have also been updated.

The following is a list of the new emission units and pollution control devices:

(a) Two (2) natural gas-fired boilers, identified as Boilers #5 and #6, approved in 2019 for construction, serving Gummi Lines 1 through 6, with a maximum heat input capacity of 11.54 MMBtu/hr, each, uncontrolled, and exhausting to stacks GFBS3 and GFBS4, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #5 and Boiler #6 are considered affected units.

(b) One (1) Gummi Manufacturing Line, identified as Gummi Line 5 (EU-06), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:
(1) One (1) kitchen, identified as Kitchen 5, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:
   (i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and
   (ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
   (i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT5), for mixing the basic gummi recipe.
   (ii) One (1) 200 gallon storage kettle, identified as buffer tank 5 (BT5).
   (iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 5 (VT5); and
   (iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #25 - #30 (KTL5), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH5, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 5, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as STh5, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC5, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #5, consisting of:
   (i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 5, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector,
identified as RC5, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD5, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS5, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC5, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS5.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 5, including:

(A) One (1) sugar sanding operation, identified as SSO5, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr5, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr5, for application of food-grade oil to formed gummi candy.

(c) One (1) Gummi Manufacturing Line, identified as Gummi Line 6 (EU-07), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 6, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;
(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT6), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 6 (BT6).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 6 (VT6); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #31 - #36 (KTL6), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH6, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 6, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH6, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC6, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #6, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 6, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC6, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD6, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS6, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC6, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS6.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 6, including:

(A) One (1) sugar sanding operation, identified as SSO6, consisting of:

(i) One (1) enclosed conveyor/steamer unit;
(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr6, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr6, for application of food-grade oil to formed gummi candy.

(d) Two (2) finished product packaging lines, with a bottlenecked throughput capacity of 10,000 pounds of finished candy per hour for Gummi Lines 5 & 6, or 20,000 pounds per hour combined; including:

(1) Enclosed finished product conveying systems;

(2) Finished product packaging operations;

(3) Package/label marking, using inkjet printers, with potential VOC uncontrolled emissions from ink usage meeting the exemption levels under 326 IAC 2-7-1(21)(A) and (B).

(4) Manual loading and unloading of packaged finished product;

(5) Finished product shipping;

(e) Three (3) 24,000 gallon corn syrup tanks, identified as CST3 through CST5, shared by Gummi Lines 1 through 6.

(f) One (1) regenerative thermal oxidizer, identified as RTO-1, approved in 2019 for construction, with a burner maximum heat input capacity of 1.1 MMBtu/hr, used to control the kitchen areas associated with Gummi Lines 3 through 6.

Note: The source has not yet finalized the RTO design. In order to represent the worst case scenario, the larger RTO design has been included in this modification.

The following unit descriptions have been updated to include their relationships to the new Gummi Lines and RTO-1.

(a) Two (2) 12,000 gallon corn syrup tanks, identified as CST1 and CST2, shared by Gummi Lines 1 through 6;

(b) Completely enclosed piping for transport of corn syrup to Kitchens 1 through 6.

(c) Two (2) natural gas-fired, indirect-fired heaters/boilers, identified as Boiler #3 and Boiler #4, constructed in 2015, serving Gummi Lines 1 through 6, each having a maximum heat input capacity of 11.54 MMBtu/hr, uncontrolled and exhausting to stacks GFBS1 and GFBS2, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #3 and Boiler #4 are considered affected units.
(d) One (1) kitchen, identified as Kitchen 3, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(1) Dry ingredient and minor ingredient storage, including:
   (A) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and
   (B) Smaller bags and containers of minor ingredients.

(2) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(3) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(4) Manual hand additions of minor ingredients;

(5) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
   (A) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT3), for mixing the basic gummi recipe.
   (B) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT3).
   (C) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT3); and
   (D) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #13 - #18 (KTL3), for mixing in micro ingredients.

(6) One (1) flavor kettle weigh hopper, identified as FKWH3, for measuring micro ingredients.

(e) One (1) kitchen, identified as Kitchen 4, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(1) Dry ingredient and minor ingredient storage, including:
   (A) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and
   (B) Smaller bags and containers of minor ingredients.

(2) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(3) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(4) Manual hand additions of minor ingredients;

(5) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
   (A) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT4), for mixing the basic gummi recipe.
(B) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT4).

(C) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT4); and

(D) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #19-#24 (KTL3), for mixing in micro ingredients.

(6) One (1) flavor kettle weigh hopper, identified as FKWH4, for measuring micro ingredients.

“Integral Part of the Process” Determination

Dryer Starch Collectors (DC5 and DC6)

Dryer starch collectors DC5 and DC6 are associated with proposed Mogul starch reconditioning systems SRS5 (Mogul Line 5) and SRS6 (Mogul Line 6). The Mogul starch reconditioning systems are enclosed, and the captured starch is returned to the Mogul mold preparation unit.

The source submitted the following information to justify why the two (2) Dryer Starch Collectors (DC5 and DC6) should be considered integral parts of the starch reconditioning processes:

(a) The Control Equipment Serves a Primary Purpose Other Than Pollution Control:

“Conditioned” or “seasoned” starch is critical to the successful molding of the gummi candy. New starch does not have the proper physical characteristics to allow the gummi candies to mold and unmold properly, so the capture and reuse of all starch is critical to maintaining the proper ratio of conditioned starch to new starch in the production process. Therefore, the majority of starch that circulates through a Mogul is “conditioned” or “seasoned” starch.

The Mogul starch reconditioning systems’ dryers are equipped with integrated starch collectors that use baghouse technology to capture airborne starch within the dryers and return it to the Mogul lines. The dryer and starch collector are each a part of a single process unit designed to accomplish starch reconditioning/drying and air/process material separation. The dryer technology uses hot air to “blow” the starch dry within the units. The air must exit the units without taking the starch (raw material) with it. Thus, a starch dust collector is a part of the dryer process unit where the starch is separated from the process air stream. The primary purpose of the starch collector is not as an air emission control device, but as an air/process material separator. The dryer starch collectors would be in place if no air quality regulations were in place.

IDEM, OAQ evaluated the information submitted and agrees that the Dryer Starch Collectors (DC5 and DC6) should be considered integral parts of the starch reconditioning processes. Therefore, the potential to emit PM, PM10, and PM2.5 from the starch reconditioning processes were calculated after the Dryer Starch Collectors (DC5 and DC6) for purposes of determining permitting level and applicability of 326 IAC 2-2, 326 IAC 6-3, and 326 IAC 6.8. Operating conditions in the proposed permit will specify that these Dryer Starch Collectors (DC5 and DC6) shall operate at all times the starch reconditioning processes are in operation. This determination is similar to the initial determination made under FESOP No. F089-36134-00006, issued on November 23, 2015.

Starch Reclaim Collectors (RC5 and RC6)

Starch reclaim dust collector RC5 and RC6 are associated with proposed starch hoppers StH5 (Mogul Line 5 in Gummi Line 5) and StH6 (Mogul Line 6 in Gummi Line 6).

The source submitted the following information to justify why the two (2) Starch Reclaim Collectors (RC5 and RC6) should be considered integral parts of the associated starch molding, candy molding, and starch reclamation processes:
The Control Equipment Serves a Primary Purpose Other Than Pollution Control:
The starch reclaim collectors capture all airborne starch dust that is generated within the Mogul lines (the candy molding parts of the lines). Without enclosures around the Mogul lines molding processes and the associated starch reclaim collectors, excessive starch would be lost to the manufacturing floor. The starch reclaim collectors are critical to the capture and return of starch to the production lines.

The Control Equipment Would Be Installed If No Air Quality Regulations Were in Place:
The starch reclaim collectors collect starch dust from the Mogul lines and return it to the lines for reuse. The majority of the starch that circulates through the processes is "conditioned" or "seasoned" starch. Only a small amount of "new starch" is added to the lines per day. "Conditioned" or "seasoned" starch is critical to the successful molding of the gummi candy. New starch does not have the proper physical characteristics to allow the gummies to mold and unmold properly, so the capture and reuse of all starch is critical to maintaining the proper ratio of conditioned starch to new starch in the production process.

The Control Equipment Has an Overwhelming Positive Net Economic Effect:
The starch reclaim collectors collect starch dust from each Mogul line and return it to the line for reuse. As such, there is a significant cost savings from recovering/recycling "conditioned" or "seasoned" starch as compared to the cost of installing and operating each starch reclaim collector as shown below:

<table>
<thead>
<tr>
<th>Affected Process</th>
<th>Starch Reclaim 5</th>
<th>Starch Reclaim 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reclaim Collector ID</td>
<td>Starch RC5</td>
<td>Starch RC6</td>
</tr>
<tr>
<td><strong>Initial Investment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reclaim Collector (including installation and bags/filters)</td>
<td>$100,000.00</td>
<td>$100,000.00</td>
</tr>
<tr>
<td>Total Investment Costs</td>
<td>$100,000.00</td>
<td>$100,000.00</td>
</tr>
<tr>
<td>Anticipated Life of the Equipment</td>
<td>15 yrs</td>
<td>15 yrs</td>
</tr>
<tr>
<td><strong>Total Initial Investment annualized over anticipated life of equipment</strong></td>
<td>$/yr 6,666.67</td>
<td>$/yr 6,666.67</td>
</tr>
<tr>
<td><strong>Maintenance Operations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bags/Filters (Annual Replacement Cost)</td>
<td>$/yr</td>
<td></td>
</tr>
<tr>
<td>Estimated repairs</td>
<td>$/yr</td>
<td>20,000.00</td>
</tr>
<tr>
<td>Electrical demand</td>
<td>$/yr</td>
<td></td>
</tr>
<tr>
<td>Labor @ $25/HR *160Hrs</td>
<td>$/yr</td>
<td></td>
</tr>
<tr>
<td><strong>Total Annual Operations/Maintenance Costs</strong></td>
<td>$/yr 20,000.00</td>
<td>$/yr 20,000.00</td>
</tr>
<tr>
<td><strong>Total Annual Costs</strong></td>
<td>$/yr 26,666.67</td>
<td>$/yr 26,666.67</td>
</tr>
<tr>
<td><strong>Savings: Raw Material Recovery</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated amount of starch used in associated process</td>
<td>lbs/yr</td>
<td>115,200,000.00</td>
</tr>
<tr>
<td>Amount of starch recovered by the reclaim collectors</td>
<td>%</td>
<td>1.095</td>
</tr>
<tr>
<td>Estimated amount of starch recovered by the reclaim collectors</td>
<td>lbs/yr</td>
<td>1,261,440.00</td>
</tr>
<tr>
<td>Cost of recovered starch</td>
<td>$/lb</td>
<td>0.28</td>
</tr>
<tr>
<td>Annual value of recovered starch</td>
<td>$/yr</td>
<td>353,203.20</td>
</tr>
<tr>
<td><strong>Total Annual Costs</strong></td>
<td>$/yr 26,666.67</td>
<td>$/yr 26,666.67</td>
</tr>
<tr>
<td><strong>Total Annual Savings from Starch Recovery</strong></td>
<td>$/yr 379,869.87</td>
<td>$/yr 379,869.87</td>
</tr>
</tbody>
</table>

IDEM, OAQ evaluated the information submitted and agrees that the Starch Reclaim Collectors (RC5 and RC6) should be considered integral parts of the associated starch molding, candy molding, and starch reclamation processes. Therefore, the potential to emit PM, PM10, and PM2.5 from the starch molding, candy molding, and starch reclamation processes were calculated after the Starch Reclaim Collectors (RC5 and RC6) for purposes of determining permitting level and applicability of 326 IAC 2-2, 326 IAC 6-3, and 326 IAC 6.8. Operating conditions in the proposed permit will specify that these Starch Reclaim Collectors (RC5 and RC6) shall operate at all times the associated starch molding, candy molding, and starch reclamation processes are in operation. This determination is similar to the initial determinations.

**Starch Reclaim Collector (RC4)**

As part of Significant Source Modification No. 089-39641-00006, issued on May 30, 2018, IDEM, OAQ previously determined that the starch reclaim collector (RC4) is an integral part of the Mogul mold processing unit (Starch Buck 4).

IDEM, OAQ is not reevaluating this integral justification at this time. Therefore, the potential to emit PM, PM10, and PM2.5 from the Mogul mold processing unit (Starch Buck 4) will continue to be calculated after the starch reclaim collector (RC4) for purposes of determining permitting level and applicability of 326 IAC 2-2, 326 IAC 6-3, and 326 IAC 6.8. Operating conditions in the proposed permit will specify that the starch reclaim 4 (RC4) shall operate at all times when the Mogul mold processing unit (Starch Buck 4) are in operation.

**Dryer Starch Collectors (DC1, DC2, and DC3) and Starch Reclaim Collectors (RC1, RC2, and RC3)**

As part of FESOP No. F089-36134-00006, issued on November 23, 2015, IDEM, OAQ previously determined that the three (3) Dryer Starch Collectors (DC1, DC2, and DC3) and the three (3) Starch Reclaim Collectors (RC1, RC2, and RC3) are integral parts of the starch reconditioning processes and starch molding, candy molding, and starch reclamation processes.

IDEM, OAQ is not reevaluating these integral justifications at this time. Therefore, the potential to emit PM, PM10, and PM2.5 from the starch reconditioning processes and the starch molding, candy molding, and starch reclamation processes will continue to be calculated after the three (3) Dryer Starch Collectors (DC1, DC2, and DC3) and the three (3) Starch Reclaim Collectors (RC1, RC2, and RC3) for purposes of determining permitting level and applicability of 326 IAC 2-2, 326 IAC 6-3, and 326 IAC 6.8. Operating conditions in the proposed permit will specify that the three (3) Dryer Starch Collectors (DC1, DC2, and DC3) and the three (3) Starch Reclaim Collectors (RC1, RC2, and RC3) shall operate at all times when the starch reconditioning processes and starch molding, candy molding, and starch reclamation processes are in operation.

**Enforcement Issues**

There are no pending enforcement actions related to this modification.

**Emission Calculations**

See Appendix A of this Technical Support Document for detailed emission calculations.

**Permit Level Determination – Part 70 Modification to an Existing Source**

Pursuant to 326 IAC 2-1.1-1(12), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.
<table>
<thead>
<tr>
<th>Process / Emission Unit</th>
<th>PM</th>
<th>PM₁₀</th>
<th>PM₂.₅⁽¹⁾</th>
<th>SO₂</th>
<th>NOₓ</th>
<th>VOC</th>
<th>CO</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiler #5</td>
<td>0.09</td>
<td>0.38</td>
<td>0.38</td>
<td>0.03</td>
<td>4.96</td>
<td>0.27</td>
<td>4.16</td>
<td>0.09</td>
</tr>
<tr>
<td>Boiler #6</td>
<td>0.09</td>
<td>0.38</td>
<td>0.38</td>
<td>0.03</td>
<td>4.96</td>
<td>0.27</td>
<td>4.16</td>
<td>0.09</td>
</tr>
<tr>
<td>RTO-1</td>
<td>0.01</td>
<td>0.04</td>
<td>0.04</td>
<td>0.003</td>
<td>0.47</td>
<td>0.03</td>
<td>0.40</td>
<td>0.01</td>
</tr>
<tr>
<td>Ink jet printers</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Gummi Line 5 - Pre-mix Tank</td>
<td>3.63</td>
<td>0.99</td>
<td>0.99</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Kitchen 5 - Flavor Kettle Weigh Hopper</td>
<td>1.64E-3</td>
<td>9.20E-4</td>
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<td>-</td>
<td>342.95</td>
</tr>
<tr>
<td>Kitchen 5 - Flavor Kettles (#25-30)</td>
<td>-</td>
<td>-</td>
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<tr>
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<td>-</td>
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<tr>
<td>Mogul 5 - Starch hopper</td>
<td>2.19E-3</td>
<td>1.23E-3</td>
<td>1.23E-3</td>
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<tr>
<td>Gummi Finishing 5 - Sanding tumbler</td>
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<td>1.68E-3</td>
<td>-</td>
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<td>Mogul 6 - Starch Reconditioning</td>
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<tr>
<td>Gummi Finishing 6 - Sanding tumbler</td>
<td>3.56E-3</td>
<td>1.68E-3</td>
<td>1.68E-3</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
</tbody>
</table>

| Total PTE Before Controls of the New Emission Units: | 15.44 | 10.74 | 10.74 | 0.06 | 10.38 | 687 | 8.72 | 0.20 |

⁽¹⁾PM₂.₅ listed is direct PM₂.₅.  
Starch molding and starch reconditioning potential emissions are considered after integral controls. See the "Integral Part of the Process" Determination section of this TSD for more detail.

Appendix A of this TSD reflects the detailed potential emissions of the modification.
(a) Approval to Construct
Pursuant to 326 IAC 2-7-10.5(g)(4), a Significant Source Modification is required because this modification has the potential to emit VOC at greater than or equal to twenty-five (25) tons per year.

(b) Approval to Operate
Pursuant to 326 IAC 2-7-12(d)(1), this change to the permit is being made through a Significant Permit Modification because this modification does not qualify as a Minor Permit Modification or as an Administrative Amendment.

Permit Level Determination – PSD

The table below summarizes the potential to emit of the modification, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the Part 70 source and permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

<table>
<thead>
<tr>
<th>Process / Emission Unit</th>
<th>PM</th>
<th>PM&lt;sub&gt;10&lt;/sub&gt;</th>
<th>PM&lt;sub&gt;2.5&lt;/sub&gt;&lt;sup&gt;1&lt;/sup&gt;</th>
<th>SO&lt;sub&gt;2&lt;/sub&gt;</th>
<th>NO&lt;sub&gt;x&lt;/sub&gt;</th>
<th>VOC</th>
<th>CO</th>
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<td>0.38</td>
<td>0.38</td>
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<tr>
<td>Kitchen 5 - Pre-mix Tank</td>
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<td>0.99</td>
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<td>-</td>
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<tr>
<td>Kitchen 5 - Flavor Kettle Weigh Hopper</td>
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<td>9.20E-4</td>
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<tr>
<td>Gummi Finishing 5 - Sanding tumbler</td>
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<td>5.80</td>
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<tr>
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<td>Process / Emission Unit</td>
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<td>PM_{10}</td>
<td>PM_{2.5}(^1)</td>
<td>SO(_2)</td>
<td>NO(_X)</td>
<td>VOC</td>
<td>CO</td>
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<tr>
<td>-------------------------</td>
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</tr>
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<td><strong>Total for Modification</strong></td>
<td>15.44</td>
<td>10.74</td>
<td>10.74</td>
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<td>NA</td>
<td>50</td>
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\(^1\)PM\(_{2.5}\) listed is direct PM\(_{2.5}\).

Starch molding and starch reconditioning potential emissions are considered after integral controls. See the "Integral Part of the Process" Determination section of this TSD for more detail.

The source opted to take limits in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable to this modification. See Technical Support Document (TSD) State Rule Applicability - Entire Source section, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) for more information regarding the limits.

(a) This modification to an existing minor PSD stationary source is not major because the emissions increase of each PSD regulated pollutant is less than the PSD major source threshold. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

### Permit Level Determination – Emission Offset Emissions Increase

(a) Actual to Potential (ATP) Applicability Test

Since this project only involves the construction of new emissions units and/or emissions units considered new for this evaluation, an Actual to Potential (ATP) applicability test, specified in 326 IAC 2-3-2(c)(4), is used to determine if the project results in an increase.

The following proposed emissions units are considered as new emissions units for this evaluation.

(1) Two (2) natural gas-fired boilers, identified as Boilers #5 and #6, approved in 2019 for construction, serving Gummi Lines 1 through 6, with a maximum heat input capacity of 11.54 MMBtu/hr, each, uncontrolled, and exhausting to stacks GFBS3 and GFBS4, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #5 and Boiler #6 are considered affected units.

(2) One (1) Gummi Manufacturing Line, identified as Gummi Line 5 (EU-06), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(A) One (1) kitchen, identified as Kitchen 5, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(i) Dry ingredient and minor ingredient storage, including:

1) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

2) Smaller bags and containers of minor ingredients.

(ii) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;
(iii) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(iv) Manual hand additions of minor ingredients;

(v) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

1) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT5), for mixing the basic gummi recipe.

2) One (1) 200 gallon storage kettle, identified as buffer tank 5 (BT5).

3) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 5 (VT5); and

4) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #25 - #30 (KTL5), for mixing in micro ingredients.

(vi) One (1) flavor kettle weigh hopper, identified as FKWH5, for measuring micro ingredients.

(B) One (1) Mogul Line, identified as Mogul Line 5, including:

(i) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(ii) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(iii) One (1) starch hopper, identified as StH5, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC5, which exhausts inside the building;

(iv) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(v) One (1) Mogul, identified as Mogul #5, consisting of:

1) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 5, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC5, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

2) One (1) Mogul Depositor, identified as MD5, for dispensing liquid gummi material into the starch molds; and

3) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS5, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified
as DC5, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS5.

(C) One (1) Gummi Finishing Operation, identified as Gummi Finishing 5, including:

(i) One (1) sugar sanding operation, identified as SSO5, consisting of:

1) One (1) enclosed conveyor/steamer unit;

2) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

3) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

4) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

5) One (1) sugar sanding tumbler, identified as Stublr5, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(ii) One (1) oiling tumbler, identified as Otublr5, for application of food-grade oil to formed gummi candy.

(3) One (1) Gummi Manufacturing Line, identified as Gummi Line 6 (EU-07), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(A) One (1) kitchen, identified as Kitchen 6, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(i) Dry ingredient and minor ingredient storage, including:

1) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

2) Smaller bags and containers of minor ingredients.

(ii) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(iv) Manual hand additions of minor ingredients;

(v) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

1) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT6), for mixing the basic gummi recipe.
2) One (1) 200 gallon storage kettle, identified as buffer tank 6 (BT6).

3) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 6 (VT6); and

4) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #31 - #36 (KTL6), for mixing in micro ingredients.

(vi) One (1) flavor kettle weigh hopper, identified as FKWH6, for measuring micro ingredients.

(B) One (1) Mogul Line, identified as Mogul Line 6, including:

(i) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(ii) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(iii) One (1) starch hopper, identified as StH6, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC6, which exhausts inside the building;

(iv) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(v) One (1) Mogul, identified as Mogul #6, consisting of:

1) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 6, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC6, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

2) One (1) Mogul Depositor, identified as MD6, for dispensing liquid gummi material into the starch molds; and

3) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS6, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC6, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS6.

(C) One (1) Gummi Finishing Operation, identified as Gummi Finishing 6, including:

(i) One (1) sugar sanding operation, identified as SSO6, consisting of:

1) One (1) enclosed conveyor/steamer unit;

2) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;
3) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

4) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

5) One (1) sugar sanding tumbler, identified as Stublr6, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(ii) One (1) oiling tumbler, identified as Otublr6, for application of food-grade oil to formed gummi candy.

(4) Two (2) finished product packaging lines, with a bottlenecked throughput capacity of 10,000 pounds of finished candy per hour for Gummi Lines 5 & 6, or 20,000 pounds per hour combined; including:

(A) Enclosed finished product conveying systems;

(B) Finished product packaging operations;

(C) Package/label marking, using inkjet printers, with potential VOC uncontrolled emissions from ink usage meeting the exemption levels under 326 IAC 2-7-1(21)(A) and (B).

(D) Manual loading and unloading of packaged finished product;

(E) Finished product shipping;

(5) Three (3) 24,000 gallon corn syrup tanks, identified as CST3 through CST5, shared by Gummi Lines 1 through 6.

(6) One (1) regenerative thermal oxidizer, identified as RTO-1, approved in 2019 for construction, with a burner maximum heat input capacity of 1.1 MMBtu/hr, used to control the kitchen areas associated with Gummi Lines 3 through 6.

(b) Actual to Potential (ATP) Summary

The Emissions Increase of the project is the sum of the difference between the potential to emit (PTE) from each new emissions unit following completion of the project and the baseline actual emissions of these units before the project.

\[
\text{ATP}_{\text{new unit}} = \text{PTE}_{\text{new unit}} - \text{Baseline Emissions}_{\text{new unit}}
\]

See Appendix A of this Technical Support Document for detailed emission calculations.
### Project Emissions Increase (tons/year)

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<tr>
<th>Process/Emissions Unit</th>
<th>NOx</th>
<th>VOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kitchen 5 - Flavor Kettle Weigh Hopper</td>
<td>-</td>
<td>5.80</td>
</tr>
<tr>
<td>Kitchen 5 - Flavor kettles (#25-30)</td>
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</tr>
<tr>
<td>Mogul 5 - Depositor</td>
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<td>-</td>
</tr>
<tr>
<td>Mogul 5 - Starch hopper</td>
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<td>-</td>
</tr>
<tr>
<td>Mogul 5 - Starch Molding</td>
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<tr>
<td>Mogul 5 - Starch Molding</td>
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<tr>
<td>Gummi Finishing 5 - Sanding Tumbler</td>
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<td>Gummi Line 6</td>
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<td>Kitchen 6 - Pre-mix Tank</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Gummi Finishing 6 - Sanding Tumbler</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Project Emissions Increase</strong></td>
<td><strong>10.38</strong></td>
<td><strong>12.32</strong></td>
</tr>
</tbody>
</table>

(c) Lake County is designated as a serious nonattainment area for the 2008 ozone National Ambient Air Quality Standards (NAAQS), effective September 23, 2019. Since Albanese Confectionery Group, Inc. is located in Lake County, the proposed modification must be evaluated to determine whether it is a minor modification under 326 IAC 2-3 by determining if the VOC and NOx emissions increases are each de minimis, as defined by 326 IAC 2-3-1(p). “De minimis” means an increase that does not exceed twenty-five (25) tons per year when the net emissions increases from the proposed modification are aggregated on a pollutant specific basis with all other net emissions increases from the source over a five (5) consecutive calendar year period prior to, and including, the year of the modification.

The following tables show all net emission increases and decreases for Albanese Confectionery Group, Inc. for calendar years 2016 to 2020. The de minimis period covers the eighteen (18) month period after the issuance of this modification.
### VOC Net Emission Changes 2016 to 2020 (tons/year)

<table>
<thead>
<tr>
<th>Units</th>
<th>Year of Change</th>
<th>Baseline Emissions</th>
<th>Emissions After Issuance</th>
<th>Net Emission Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gummi Line 3</td>
<td>2016</td>
<td>0</td>
<td>18.50</td>
<td>18.50</td>
</tr>
<tr>
<td>Gummi Line 4</td>
<td>2018</td>
<td>0</td>
<td>24.50</td>
<td>PTE (Limited)</td>
</tr>
<tr>
<td>Boiler 3</td>
<td>2018</td>
<td>0</td>
<td>0.27</td>
<td>PTE</td>
</tr>
<tr>
<td>Boiler 4</td>
<td>2018</td>
<td>0</td>
<td>0.27</td>
<td>PTE</td>
</tr>
<tr>
<td>Boiler 5</td>
<td>2019</td>
<td>0</td>
<td>0.27</td>
<td>PTE</td>
</tr>
<tr>
<td>Boiler 6</td>
<td>2019</td>
<td>0</td>
<td>0.27</td>
<td>PTE</td>
</tr>
<tr>
<td>Gummi Line 3</td>
<td>2019</td>
<td>18.50</td>
<td>5.80</td>
<td>PTE (Limited)</td>
</tr>
<tr>
<td>Gummi Line 4</td>
<td>2019</td>
<td>24.50</td>
<td>5.80</td>
<td>PTE (Limited)</td>
</tr>
<tr>
<td>Inkjet Printers</td>
<td>2019</td>
<td>0</td>
<td>0.15</td>
<td>PTE</td>
</tr>
<tr>
<td>Gummi Line 5</td>
<td>2020</td>
<td>0</td>
<td>5.80</td>
<td>PTE (Limited)</td>
</tr>
<tr>
<td>RTO-1</td>
<td>2020</td>
<td>0</td>
<td>0.03</td>
<td>PTE</td>
</tr>
<tr>
<td>Gummi Line 6</td>
<td>2021</td>
<td>0</td>
<td>5.80</td>
<td>PTE (Limited)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td>24.46</td>
</tr>
</tbody>
</table>

*Actual Emissions tons/yr 2017-2018 (average of 24 month period)

### NOx Net Emission Changes 2016 to 2020 (tons/year)

<table>
<thead>
<tr>
<th>Year of Change</th>
<th>Baseline Emissions</th>
<th>Emissions After Issuance</th>
<th>Net Emission Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiler 3</td>
<td>2018</td>
<td>0</td>
<td>4.96</td>
</tr>
<tr>
<td>Boiler 4</td>
<td>2018</td>
<td>0</td>
<td>4.96</td>
</tr>
<tr>
<td>Boiler 5</td>
<td>2019</td>
<td>0</td>
<td>4.96</td>
</tr>
<tr>
<td>Boiler 6</td>
<td>2019</td>
<td>0</td>
<td>4.96</td>
</tr>
<tr>
<td>RTO-1</td>
<td>2020</td>
<td>0</td>
<td>0.47</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>20.29</td>
</tr>
</tbody>
</table>

The source opted to take limits in order to render the requirements of 326 IAC 2-3 not applicable to this modification.

See Technical Support Document (TSD) State Rule Applicability - Entire Source section, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) applicability determination for more information regarding the limits.

**d) Conclusion**

This modification to an existing major EO stationary source is not major because the Emissions Increase of each EO regulated pollutant is less than the EO significant level (i.e., the modification does not cause a Significant Emissions Increase). Therefore, pursuant to 326 IAC 2-3, the EO requirements do not apply.

### PTE of the Entire Source After Issuance of the Part 70 Modification

The table below summarizes the after issuance source-wide potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the Part 70 source and permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.
<table>
<thead>
<tr>
<th>Source-Wide Emissions After Issuance (ton/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PM</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td>Total PTE of Entire Source Excluding Fugitives*</td>
</tr>
<tr>
<td>Title V Major Source Thresholds</td>
</tr>
<tr>
<td>PSD Major Source Thresholds</td>
</tr>
<tr>
<td>Emission Offset Major Source Thresholds</td>
</tr>
</tbody>
</table>

<sup>1</sup>Under the Part 70 Permit program (40 CFR 70), PM<sub>10</sub> and PM<sub>2.5</sub>, not particulate matter (PM), are each considered as a “regulated air pollutant.”

<sup>2</sup>PM<sub>2.5</sub> listed is direct PM<sub>2.5</sub>.

*Fugitive HAP emissions are always included in the source-wide emissions.

Starch molding and starch reconditioning potential emissions are considered after integral controls. See the "Integral Part of the Process" Determination section of this TSD for more detail.

The source opted to take limits in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable to this source. See Technical Support Document (TSD) State Rule Applicability - Entire Source section, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) for more information regarding the limits.

(a) This existing minor PSD stationary source will continue to be minor under 326 IAC 2-2 because the emissions of each PSD regulated pollutant will continue to be less than the PSD major source thresholds.

(b) This existing major Emission Offset stationary source will continue to be major under 326 IAC 2-3 because the emissions of the nonattainment pollutant, VOC, will continue to be equal to or greater than the Emission Offset threshold.

(c) This existing area source of HAP will continue to be an area source of HAP, as defined in 40 CFR 63.2, because HAP emissions will continue to be less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Federal Rule Applicability Determination

Due to the modification at this source, federal rule applicability has been reviewed as follows:

**New Source Performance Standards (NSPS):**

(a) The requirements of the New Source Performance Standard for Fossil-Fuel-Fired Steam Generators, 40 CFR 60, Subpart D (326 IAC 12), are not included in the permit for the two natural gas-fired boilers and RTO-1, because each unit has a heat input capacity of less than two hundred and fifty (250) MMBtu per hour.

(b) The requirements of the New Source Performance Standard for Electric Utility Steam Generating Units, 40 CFR 60, Subpart Da (326 IAC 12), are not included in the permit for the two natural gas-fired boilers and RTO-1, because each unit has a heat input capacity of less than two hundred and fifty (250) MMBtu per hour.

(c) The requirements of the New Source Performance Standard for Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Db (326 IAC 12), are not included in
the permit for the two natural gas-fired boilers and RTO-1, because each unit has a heat input capacity of less than one hundred (100) MMBtu per hour.

(d) The requirements of the New Source Performance Standard for Small Industrial - Commercial - Institutional Steam Generating Units, 40 CFR 60, Subpart Dc (326 IAC 12), are not included in the permit for the RTO-1, because each unit has a heat input capacity of less than ten (10) MMBtu per hour.

The two (2) 11.54 MMBtu/hr natural gas-fired boilers (Boiler #5 and Boiler #6) are subject to the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units, 40 CFR 60, Subpart Dc and 326 IAC 12, because each unit meets the definition of a steam generating unit under 40 CFR 60.41c (Definitions), construction of the units will commence after June 9, 1989, and each boiler has a maximum design heat input capacity of greater than 2.9 MW (10 MMBtu/hr) and less than 29 MW (100 MMBtu/hr).

The natural gas-fired boilers are subject to the following portions of Subpart Dc.

(1) 40 CFR 60.40c(a), (b), (c)
(2) 40 CFR 60.41c
(3) 40 CFR 60.42c(h)(4)
(4) 40 CFR 60.48c(a), (e)(1), (e)(2), (e)(3), (e)(4), (e)(11), (f)(4), (g), (i), (j)

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the natural gas-fired boilers except as otherwise specified in 40 CFR 60, Subpart Dc.

(e) The requirements of 326 IAC 12 or 40 CFR 60, Subpart DD, (60.300 through 60.304), New Source Performance Standards (NSPS) for Grain Elevators, are not included in the permit, since there are no storage facilities meeting the definition of a "grain terminal elevator", as defined under 40 CFR 60.301(c), or a "grain storage elevator", as defined under 40 CFR 60.301(f).

(f) The requirements of the New Source Performance Standard for Volatile Organic Liquid Storage Vessels, 40 CFR 60, Subpart Kb (326 IAC 12), are not included in the permit for the two (2) 200 gallon pre-mix tanks, the two (2) 200 gallon buffer tanks, the two (2) 150 gallon vacuum tanks, the twelve (12) 10 gallon flavor kettles, because although each tank was constructed after the rule applicability date of July 23, 1984, each tank has a maximum storage capacity of less than seventy-five cubic meters (75 m³) (19,813 gallons), and the liquid stored in each tank has a maximum true vapor pressure of less than fifteen kiloPascals (15.0 kPa).

(g) The requirements of the New Source Performance Standard for the Graphic Arts Industry: Publication Rotogravure Printing, 40 CFR 60, Subpart QQ (326 IAC 12), are not included in the permit for the package/label marking, using inkjet printers, since the printers used to print the labels each do not meet the definition of a rotogravure printing unit, in that an engraved cylinder (AKA "Gravure cylinder") is not used, and the ink is not applied to a continuous web or substrate.

(h) The requirements of the New Source Performance Standard for Pressure Sensitive Tape and Label Surface Coating Operations, 40 CFR 60, Subpart RR (326 IAC 12), are not included in the permit for the package/label marking, using inkjet printers, since this source does not manufacture of pressure sensitive tape and/or label materials.

(i) The requirements of the New Source Performance Standard for Flexible Vinyl and Urethane Coating and Printing, 40 CFR 60, Subpart FFF (326 IAC 12), are not included in the permit for the package/label marking, using inkjet printers, since the printers used to print the labels each do not meet the definition of a rotogravure printing unit, in that an engraved cylinder (AKA "Gravure cylinder") is not used, and the ink is not used to print or coat flexible vinyl or urethane products.
(j) The requirements of the New Source Performance Standard for Polymeric Coating of Supporting Substrates Facilities, 40 CFR 60, Subpart VVV (326 IAC 12), are not included in the permit for the package/label marking, using inkjet printers, since this source applies ink to paper or plastic, and not elastomers, polymers, or prepolymers to a supporting web other than paper, plastic film, metallic foil, or metal coil.

(k) There are no other New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included in the permit for this proposed modification.

**National Emission Standards for Hazardous Air Pollutants (NESHAP):**

(a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for the Printing and Publishing Industry, 40 CFR 63, Subpart KK (2K) (326 IAC 20-18), are not included in the permit for the package/label marking, using inkjet printers, since the printers used to print the labels each do not meet the definition of a publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses, as defined under §63.822, and is not a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.2.

(b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for the Printing and Publishing Industry, 40 CFR 63, Subpart JJJJJ (4J) (326 IAC 20-65), are not included in the permit for the package/label marking, using inkjet printers, since this source is not a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.2.

(c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs): Printing, Coating, and Dyeing of Fabrics and Other Textiles, 40 CFR 63, Subpart OOOO (4O) (326 IAC 20-77), are not included in the permit for the package/label marking, using inkjet printers, since this source applies ink to paper or plastic, and not fabric and other textiles, and is not a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.2.

(d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart DDDDDD (326 IAC 20-95) are not included in the permit for the two natural gas-fired boilers and RTO-1, because this source is not a major source of HAPs as defined in §63.2.

(e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR 63, Subpart JJJJJJJ are not included in the permit for the two natural gas-fired boilers, since although this source is an area source of HAPs as defined in §63.2, pursuant to §63.11195(e), the two natural gas-fired boilers are not subject to the requirements of 40 CFR 63, Subpart JJJJJJJ. The requirements of 40 CFR 63, Subpart JJJJJJJ are not included in the permit for the RTO-1, since although this source is an area source of HAPs as defined in §63.2, the RTO-1 is not a boiler as defined in §63.11237.

(f) There are no National Emission Standards for Hazardous Air Pollutants under 40 CFR 63, 326 IAC 14 and 326 IAC 20 included for this proposed modification.

**Compliance Assurance Monitoring (CAM):**

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each pollutant-specific emission unit that meets the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the regulated pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant (or a surrogate thereof); and
uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

(b) Pursuant to 40 CFR 64.2(b)(1)(i), emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act are exempt from the requirements of CAM. Therefore, an evaluation was not conducted for any emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act.

The following table is used to identify the applicability of CAM to new and modified emission unit and each emission limitation or standard for a specified pollutant based on the criteria specified under 40 CFR 64.2:

<table>
<thead>
<tr>
<th>Emission Unit/Pollutant</th>
<th>Control Device</th>
<th>Applicable Emission Limitation</th>
<th>Uncontrolled PTE (tons/year)</th>
<th>Controlled PTE (tons/year)</th>
<th>CAM Applicable (Y/N)</th>
<th>Large Unit (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mogul 5 - Starch Molding PM*</td>
<td>RC5</td>
<td>326 IAC 6.8</td>
<td>77.53</td>
<td>0.78</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Mogul 5 - Starch Reconditioning PM*</td>
<td>DC5</td>
<td>326 IAC 6.8</td>
<td>320.62</td>
<td>3.21</td>
<td>N 1, 2</td>
<td>N</td>
</tr>
<tr>
<td>Mogul 6 - Starch Molding PM*</td>
<td>RC6</td>
<td>326 IAC 6.8</td>
<td>77.53</td>
<td>0.78</td>
<td>N 1, 2</td>
<td>N</td>
</tr>
<tr>
<td>Mogul 6 - Starch Reconditioning PM*</td>
<td>DC6</td>
<td>326 IAC 6.8</td>
<td>320.62</td>
<td>3.21</td>
<td>N 1, 2</td>
<td>N</td>
</tr>
<tr>
<td>Kitchen 3 - VOC</td>
<td>RTO-1</td>
<td>326 IAC 2-3</td>
<td>342.95</td>
<td>5.80</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Kitchen 4 - VOC</td>
<td>RTO-1</td>
<td>326 IAC 2-3</td>
<td>342.95</td>
<td>5.80</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Kitchen 5 - VOC</td>
<td>RTO-1</td>
<td>326 IAC 2-3</td>
<td>342.95</td>
<td>5.80</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Kitchen 6 - VOC</td>
<td>RTO-1</td>
<td>326 IAC 2-3</td>
<td>342.95</td>
<td>5.80</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>

Uncontrolled PTE (tpy) and controlled PTE (tpy) are evaluated against the Major Source Threshold for each pollutant. Major Source Threshold for criteria pollutants (PM10, PM2.5, SO2, and CO) is 100 tpy, for NOx and VOC 50 tpy, for a single HAP ten (10) tpy, and for total HAPs twenty-five (25) tpy.

Under the Part 70 Permit program (40 CFR 70), PM is not a regulated pollutant.

PM* For limitations under 326 IAC 6-3-2, 326 IAC 6.5, and 326 IAC 6.8, IDEM OAQ uses PM as a surrogate for the regulated air pollutant PM10. Therefore, uncontrolled PTE and controlled PTE reflect the emissions of the regulated air pollutant PM10.

N 1 CAM does not apply for PM10 because the uncontrolled PTE of PM10 is less than the major source threshold.

N 2 Pursuant to 40 CFR Part 64.1, the control devices are considered to be inherent process equipment. Therefore, based on the evaluation, the requirements of 40 CFR Part 64, CAM, are not applicable.

Controls: BH = Baghouse, C = Cyclone, DC = Dust Collection System, RTO = Regenerative or Recuperative Thermal Oxidizer, WS = Wet Scrubber, ESP = Electrostatic Precipitator

Emission units without air pollution controls are not subject to CAM. Therefore, they are not listed.

Inherent Process Equipment
Pursuant to 40 CFR Part 64.1, the definition of inherent process equipment is "equipment that is necessary for the proper or safe functioning of the process, or material recovery equipment that the owner or operator documents is installed and operated primarily for purposes other than compliance with air pollution regulations. Equipment that must be operated at an efficiency higher than that achieved during normal process operations in order to comply with the applicable emission limitation or standard is not inherent process equipment. For the purposes of this part, inherent process equipment is not considered subject to CAM."

The dryer starch collectors (DC5 and DC6) and starch reclaim collectors (RC5 and RC6) are determined to be necessary for the normal and proper operation of the Mogul Lines 5 and 6 (see the "Integral Part of the Process" Determination section above for more detail). Therefore, the dryer starch collectors (DC5 and DC6) and starch reclaim collectors (RC5 and RC6) meet the criteria for the inherent to the process for the purpose of determining CAM applicability, and are not considered control devices. Therefore, the
requirements of 40 CFR Part 64.2, CAM, do not apply to the dryer starch collectors (DC5 and DC6) and starch reclaim collectors (RC5 and RC6).

Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are applicable to Kitchens 3 through 6, which are each considered as an "other unit," for VOC upon issuance of the Part 70 Permit Renewal. A CAM plan must be submitted as part of the Part 70 Operating Permit Renewal application.

<table>
<thead>
<tr>
<th>State Rule Applicability - Entire Source</th>
</tr>
</thead>
</table>
Due to this modification, state rule applicability has been reviewed as follows:

**326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset)**
PSD and Emission Offset applicability is discussed under the Permit Level Determination - PSD section and the Permit Level Determination - Emission Offset Emissions Increase section of this document.

**2019 Modification**
In order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable to the 2019 Modification permitted under SSM No. 089-41447-00006, the Permittee shall comply with the following:

(a) VOC emissions from the Gummi Line 3 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) VOC emissions from the Gummi Line 4 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(c) VOC emissions from the Gummi Line 5 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(d) VOC emissions from the Gummi Line 6 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, shall limit net emissions increase of VOC of the 2019 modification to less than 25 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) not applicable to the 2019 Modification permitted under SSM No. 089-41447-00006.

**326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))**
The provisions of 326 IAC 2-4.1 apply to any owner or operator who constructs or reconstructs a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.41, after July 27, 1997, unless the major source has been specifically regulated under or exempted from regulation under a NESHAP that was issued pursuant to Section 112(d), 112(h), or 112(j) of the Clean Air Act (CAA) and incorporated under 40 CFR 63. On and after June 29, 1998, 326 IAC 2-4.1 is intended to implement the requirements of Section 112(g)(2)(B) of the Clean Air Act (CAA).

The operation of this source will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

**326 IAC 2-6 (Emission Reporting)**
Since this source is located in Lake County, and has a potential to emit VOC and NOx greater than or equal to twenty-five (25) tons per year, an emission statement covering the previous calendar year must be submitted by July 1 of each year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

**326 IAC 2-7-6(D) (Annual Compliance Certification)**
The U.S. EPA Federal Register 79 FR 54978 notice does not exempt Title V Permittees from the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(D), but the submittal of the Title V annual
compliance certification to IDEM satisfies the requirement to submit the Title V annual compliance certifications to EPA. IDEM does not intend to revise any permits since the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D) still apply, but Permittees can note on their Title V annual compliance certifications that submission to IDEM has satisfied reporting to EPA per Federal Register 79 FR 54978. This only applies to Title V Permittees and Title V compliance certifications.

326 IAC 5-1 (Opacity Limitations)
This source is subject to the opacity limitations specified in 326 IAC 5-1-2(2).

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), the source is not subject to the requirements of 326 IAC 6-3, since this source is subject to the requirements of 326 IAC 6.8.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)
The source is subject to the requirements of 326 IAC 6-4, because the paved roads have the potential to emit fugitive particulate emissions. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
This source is not subject to the requirements of 326 IAC 6-5, because the source has potential fugitive particulate emissions of less than twenty-five (25) tons per year.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-1(a), this source (located in Lake County) is not subject to the requirements of 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)
This source (located in Lake County) is not one of the sources specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, or 326 IAC 6.8-8 through 326 IAC 6.8-11. The source-wide PTE of PM is 10 tons per year or more. Therefore, this source is subject to the requirements of 326 IAC 6.8-1-2 because the source-wide actual emissions of PM can be 10 tons per year or more.

326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter)
Pursuant to 326 IAC 6.8-10-1, this source (located in Lake County) is not subject to the requirements of 326 IAC 6.8-10 because is not one of the sources specifically listed in 326 IAC 6.8-10-1(2)(A) through (V) and the source-wide PTE of fugitive PM and PM10 is less than 5 tons per year, each.

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**State Rule Applicability – Individual Facilities**

Due to this modification, state rule applicability has been reviewed as follows:

**Gummi Lines 5 and 6**

326 IAC 6.8 (Particulate Matter Limitations for Lake County)
As discussed in the State Rule Applicability - Entire Source, this source is subject to the requirements of 326 IAC 6.8. Pursuant to 326 IAC 6.8-1-2(a) (Limitations for Lake County), particulate matter (PM) emissions from the two (2) pre-mix tanks (PMT5 and PMT6), two (2) Flavor Kettle Weigh Hoppers (FKWH5 and FKWH6), Flavor kettles (#25-36), and starch storage, conveying, and handling (Mogul 5 through 6), Mogul mold processing units (Starch Buck 5 and 6), Mogul starch reconditioning system (SRS5 and SRS6), two (2) sugar sanding tumblers (Stumblr5 and Stumblr6), and two (2) oiling tumblers (Otumblr5 and Otumblr6) shall each not exceed 0.03 grains per dry standard cubic foot (gr/dscf).

The integral starch reclaim collectors (RC5 and RC6) and integral dryer starch collectors (DC5 and DC6) shall be in operation and control particulate emissions from the Mogul mold processing units (Starch Buck 5 and 6) and Mogul starch reconditioning system (SRS5 and SRS6) at all times that the Mogul mold
processing units (Starch Buck 5 and 6) and Mogul starch reconditioning system (SRS5 and SRS6) are in operation, in order to comply with this limit.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
This Gummi Lines 5 and 6 were constructed after January 1, 1980, and their unlimited VOC potential emissions are equal to or greater than twenty-five (25) tons per year, each, and the Gummi Lines 6 and 6 are not regulated by other rules in 326 IAC 8. The source has opted to limit the potential to emit VOC from the Gummi Lines 5 and 6 to less than twenty-five (25) tons per twelve (12) consecutive month period, each, in order to render the requirements of 326 IAC 8-1-6 not applicable. Therefore, the Gummi Lines 5 and 6 are not subject to the requirements of 326 IAC 8-1-6.

In order to render the requirements of 326 IAC 8-1-6 not applicable, Permittee shall comply with the following:

(a) VOC emissions from the Gummi Line 5 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) VOC emissions from the Gummi Line 6 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits shall limit VOC emissions from Gummi Lines 3 through 6 to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements) not applicable.

326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)
The gummi line storage tanks each have a maximum storage capacity of less than 39,000 gallons and will not be used to store petroleum liquids. Therefore, the requirements of 326 IAC 8-4-3 do not apply to any of these tanks, and are not included in the permit.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)
This stationary source is located in Lake County. Therefore, pursuant to 326 IAC 8-9-1(b), the gummi line storage tanks and flavor kettles are each subject to reporting and recordkeeping provisions of section 6(a) and 6(b) of this rule, and are exempt from all other provisions of the rule.

(a) Pursuant to 326 IAC 8-9-6(b), the Permittee shall maintain a record and submit to IDEM, OAQ a report containing the following information for each of the storage tanks:

   (1) the vessel identification number;
   (2) the vessel dimensions; and
   (3) the vessel capacity.

(b) Pursuant to 326 IAC 8-9-6(a), these records shall be maintained for the life of the vessel.

Product Packaging Lines - Package/label marking - Inkjet Printers - Ink Usage (Surface Coating)

326 IAC 6.8 (Particulate Matter Limitations for Lake County)
Pursuant to 326 IAC 6.8-1-1(b)(3), the inkjet printers are not subject to the requirements of 326 IAC 6.8 since the printers use flow coating.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The unlimited VOC potential emissions from the package/label marking, using inkjet printers, are less than twenty-five (25) tons per year, each. Therefore, the requirements of 326 IAC 8-1-6 do not apply to the package/label marking, and are not included in the permit.

326 IAC 8-2-5 (Paper Coating Operations)
Potential and actual uncontrolled VOC potential emissions from the package/label marking, using inkjet printers, and associated solvent clean-up activities are less than fifteen (15) pounds per day. Therefore,
pursuant to 326 IAC 8-2-1(a)(5), the requirements of 326 IAC 8-2-5 do not apply to the package/label marking, and are not included in the permit.

326 IAC 8-2-9 (Miscellaneous Metal Coating Operations)
The package/label marking, using inkjet printers, is not subject to the requirements of 326 IAC 8-2-9, since it does not consist of applying surface coatings to metal or plastic parts or products.

326 IAC 8-5-5 (Graphic Arts Operations)
The package/label marking, using inkjet printers, is not subject to the requirements of 326 IAC 8-5-5 because the package/label marking has a potential to emit VOC of less than one hundred (100) tons per year and the printers are not packaging rotogravure, publishing rotogravure, or flexographic printing facilities.

Two Natural Gas-Fired Boilers (Boilers #5 and #6) and Regenerative Thermal Oxidizer (RTO-1)

326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)
Pursuant to 326 IAC 6-2-1(h), the two natural gas-fired boilers are not subject to the requirements of 326 IAC 6-2, since they are each subject to the requirements of 326 IAC 6.8 (PM Limitations for Lake County). The RTO-1 is not subject to the requirements of 326 IAC 6-2 because it is not a source of indirect heating.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)
As discussed in the State Rule Applicability - Entire Source, this source is subject to the requirements of 326 IAC 6.8. Pursuant to 326 IAC 6.8-1-2(b)(3), the two natural gas-fired boilers and RTO-1 are subject to the requirements of 326 IAC 6.8. Pursuant to 326 IAC 6.8-1-2(b)(3) (Limitations for Lake County), particulate matter (PM) emissions from the two (2) 11.54 MMBtu per hour natural gas-fired boilers (Boiler #5 and Boiler #6) shall each not exceed 0.01 grains per dry standard cubic foot (gr/dscf). Pursuant to 326 IAC 6.8-1-2(a) (Limitations for Lake County), particulate matter (PM) emissions from the RTO-1 shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf).

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)
These emission units are not subject to 326 IAC 326 IAC 7-1.1 because they each have a potential to emit (or limited potential to emit) sulfur dioxide (SO2) of less than 25 tons per year or 10 pounds per hour.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Even though the two natural gas-fired boilers and RTO-1 were constructed after January 1, 1980, they are not subject to the requirements of 326 IAC 8-1-6 because their unlimited VOC potential emissions are less than twenty-five (25) tons per year, each.

326 IAC 9-1 (Carbon Monoxide Emission Limits)
The requirements of 326 IAC 9-1 do not apply to the two natural gas-fired boilers and RTO-1, because this source does not operate a catalyst regeneration petroleum cracking system or a petroleum fluid coker, grey iron cupola, blast furnace, basic oxygen steel furnace, or other ferrous metal smelting equipment.

326 IAC 10-3 (Nitrogen Oxide Reduction Program for Specific Source Categories)
The requirements of 326 IAC 10-3 do not apply to the two natural gas-fired boilers and RTO-1, since these units are each not a blast furnace gas-fired boiler, a Portland cement kiln, or a facility specifically listed under 326 IAC 10-3-1(a)(2).

Three (3) 24,000 Gallon Corn Syrup Tanks, Identified as CST3 through CST5

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The unlimited VOC potential emissions from the three (3) 24,000 gallon corn syrup tanks are less than twenty-five (25) tons per year, each. Therefore, the requirements of 326 IAC 8-1-6 do not apply to the corn syrup tanks, and are not included in the permit.
326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)
The three (3) 24,000 gallon corn syrup tanks each have a maximum storage capacity of less than 39,000 gallons and will not be used to store petroleum liquids. Therefore, the requirements of 326 IAC 8-4-3 do not apply to any of these tanks, and are not included in the permit.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)
This stationary source is located in Lake County. Therefore, pursuant to 326 IAC 8-9-1(b), the three (3) 24,000 gallon corn syrup tanks are each subject to reporting and recordkeeping provisions of section 6(a) and 6(b) of this rule, and are exempt from all other provisions of the rule.

(a) Pursuant to 326 IAC 8-9-6(b), the Permittee shall maintain a record and submit to IDEM, OAQ a report containing the following information for each of the storage tanks:

(1) the vessel identification number;
(2) the vessel dimensions; and
(3) the vessel capacity.

(b) Pursuant to 326 IAC 8-9-6(a), these records shall be maintained for the life of the vessel.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to assure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source’s failure to take the appropriate corrective actions within a specific time period.

(a) The Compliance Determination Requirements applicable to this modification are as follows:

The Gummi Lines 5 and 6 have applicable compliance determination conditions as specified below:

(1) Compliance with the VOC emissions limits contained in the permit shall be determined using the following equation:

\[ VOC_t = \frac{\left( \sum_{j=1}^{m} VOC_j \right)}{2000} * (1 - r) \]

Where:

- \( VOC_t \) = Total VOC emissions (tons/month) for each gummi line;
- \( VOC_j \) = VOC content in flavor (%) * Flavor Usage (pounds/month);
- \( m \) = Number of VOC-containing flavors; and
- \( j \) = A given flavoring.
- \( r \) = Overall VOC efficiency of the capture system and control device.
The Permittee shall determine the overall VOC efficiency of the regenerative thermal oxidizer (RTO-1) from the most recent valid stack test that demonstrates compliance with limits in Condition D.1.1(b). From the date of startup until the stack test results are available, the Permittee shall use an overall VOC efficiency of 76.33% for the regenerative thermal oxidizer (RTO-1).

(2) In order to comply with the permit, the regenerative thermal oxidizer (RTO-1) shall be in operation and control emissions from the Kitchens 3 through 6, at all times Kitchens 3 through 6 are in operation.

(3) In order to assure compliance with the permit, the integral starch reclaim collectors, identified as RC5 and RC6, serving the Mogul mold processing units (Starch Buck 5 and Starch Buck 6) and the integral dryer starch collectors, identified as DC5 and DC6, serving the Mogul starch reconditioning systems, identified as SRS5 and SRS6, shall each operate and control particulate emissions at all times that the respective Mogul mold processing unit (Starch Buck 5 and Starch Buck 6) and Mogul starch reconditioning system (SRS5 and SRS6) is in operation.

(4) In order to assure compliance with the permit, the integral starch reclaim collectors, identified as RC5 and RC6, shall operate and control particulate emissions at all times that the respective Mogul mold processing unit (Starch Buck 5 and Starch Buck 6), is in operation.

(5) In order to assure compliance with the permit, the integral dryer starch collectors, identified as DC5 and DC6, shall operate and control particulate emissions at all times that the respective Mogul starch reconditioning systems, identified as SRS5 and SRS6, are in operation.

Testing Requirements:

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Control Device</th>
<th>Timeframe for Testing or Date of Initial Valid Demonstration</th>
<th>Pollutant/Parameter</th>
<th>Frequency of Testing</th>
<th>Authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kitchen 3</td>
<td>RTO-1</td>
<td>180*</td>
<td>VOC and Overall VOC Control Efficiency</td>
<td>Every 5 years</td>
<td>326 IAC 2-3 326 IAC 8-1-6</td>
</tr>
<tr>
<td>Kitchen 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kitchen 5</td>
<td></td>
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<tr>
<td>Kitchen 6</td>
<td></td>
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</tr>
</tbody>
</table>

* No later than 180 days after startup of the emission unit or completion of the modification.

(b) The Compliance Monitoring Requirements applicable to this proposed modification are as follows:
<table>
<thead>
<tr>
<th>Control Device</th>
<th>Type of Parametric Monitoring</th>
<th>Frequency</th>
<th>Range or Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regenerative Thermal Oxidizer (RTO-1)</td>
<td>3-hour average oxidizer temperature monitoring</td>
<td>Continuous</td>
<td>At or above 1,500°F from startup until stack test results are available, then at or above the value established in the most recent compliant stack test</td>
</tr>
<tr>
<td></td>
<td>Duct pressure of fan amperage monitoring</td>
<td>Daily</td>
<td>Within normal range from startup until stack test results are available, then within the normal range established in the most recent compliant stack test</td>
</tr>
</tbody>
</table>

These monitoring conditions are necessary because the regenerative thermal oxidizer (RTO-1) for the Kitchens 3 through 6 must operate properly to assure compliance with 326 IAC 8-1-6 (BACT), and 326 IAC 2-3 (Emission Offset).

**Proposed Changes**

As part of this permit approval, the permit may contain new or different permit conditions and some conditions from previously issued permits/approvals may have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes.

The following changes listed below are due to the proposed modification. Deleted language appears as strikethrough text and new language appears as **bold** text (these changes may include Title I changes):

1. **Condition A.1** has been modified to include SIC Code 5441 (Candy, Nut, and Confectionery Stores) as a secondary SIC Code.

2. Based on the reclassification of Lake County to serious nonattainment for the 2008 ozone standard, changes to the language in Section A - General Information of the permit are necessary to clarify the attainment status of Lake County.

3. Sections A.2, A.4, D.1, D.2, and E.1 and the reporting forms have been modified to include the new emission units and to update emission unit descriptions to include references to the Gummi Manufacturing Lines 5 and 6 approved for construction with this modification.

4. **Section A.2** has been modified to include the updated Gummi Manufacturing Lines emission unit descriptions, since IDEM, OAQ has determined that the Gummi Finishing Operations are part of the Gummi Manufacturing Lines.

5. **Section A.3** has been modified to remove the independent Gummi Finishing Operation emission unit description, since IDEM, OAQ has determined that the Gummi Finishing Operations are part of the Gummi Manufacturing Lines.

6. Based on the reclassification of Lake County to serious nonattainment for the 2008 ozone standard, IDEM added the rule citations 40 CFR 81.315 and 326 IAC 2-1.1-4(a) to Section A - Part 70 Permit Applicability to clarify the authority of this condition.

7. **Condition E.1.2** has been modified to remove requirements that do not apply to the natural gas-fired boilers.
A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)][40 CFR 81.315]

The Permittee owns and operates a stationary candy manufacturing facility.

| Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410 |
| General Source Phone Number: 219-942-1877 |
| SIC Code: 2064 (Candy and Other Confectionery Products) |
| County Location: Lake |
| Source Location Status: Nonattainment for 8-hour ozone standard |
| Source Status: Part 70 Operating Permit Program |

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

This stationary source consists of the following emission units and pollution control devices:

(a) Two (2) 12,000 gallon corn syrup tanks, identified as CST1 and CST2, shared by Gummi Lines 1, Gummi Line 2, and Gummi Line 3 through 6;

(b) Completely enclosed piping for transport of corn syrup to Kitchens 1, Kitchen 2, and Kitchen 3 through 6.

(c) One (1) Gummi Manufacturing Line, identified as Gummi Line 1 (EU-01), constructed in 2009, having a maximum throughput capacity of 7,000 pounds of finished gummi candy per hour, and including:

*****

(2) One (1) Mogul Line, identified as Mogul Line 1, including:

*****

(E) One (1) Mogul, identified as Mogul #1, consisting of:

*****

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS1, with a maximum throughput capacity of 15,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC1, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS1.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 1, including:

(A) One (1) sugar sanding operation, identified as SSO1, consisting of:

(i) One (1) enclosed conveyor/steamer unit;
(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr1, with a maximum sugar usage rate of 600 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr1, for application of food-grade oil to formed gummi candy.

(d) One (1) Gummi Manufacturing Line, identified as Gummi Line 2 (EU-02), constructed in 2012, having a maximum throughput capacity of 7,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 2, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 5,460 pounds of dry ingredients and minor ingredients per hour, and including:

*****

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT2), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT2).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 2 (VT2); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #7 - #12 (KTL2), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH2, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 2, including:

*****

(E) One (1) Mogul, identified as Mogul #2, consisting of:

*****

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS2, with a maximum throughput capacity of
15,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC2, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS2.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 2, including:

(A) One (1) sugar sanding operation, identified as SSO2, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr2, with a maximum sugar usage rate of 600 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr2, for application of food-grade oil to formed gummi candy.

(e) One (1) Gummi Manufacturing Line, identified as Gummi Line 3 (EU-04), constructed in 2015, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 3, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

*****

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT3), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT3).

(vi iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT3); and

(viii iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #13 - #18 (KTL3), for mixing in micro ingredients.
(F) One (1) flavor kettle weigh hopper, identified as FKWH3, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 3, including:

*****

(E) One (1) Mogul, identified as Mogul #3, consisting of:

*****

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS3, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC3, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS3.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 3, including:

(A) One (1) sugar sanding operation, identified as SSO3, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr3, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr3, for application of food-grade oil to formed gummi candy.

(f) One (1) Gummi Manufacturing Line, identified as Gummi Line 4 (EU-05), approved in 2018 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 4, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

*****

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT4), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT4).

(vi iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT4); and

(viii iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #19-#24 (KTL3), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH4, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 4, including:

*****

(E) One (1) Mogul, identified as Mogul #4, consisting of:

*****

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS4, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC4, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS4.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 4, including:

(A) One (1) sugar sanding operation, identified as SSO4, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr4, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr4, for application of food-grade oil to formed gummi candy.

(g) One (1) Chocolate Panning Line, including the following:
(h) Two (2) natural gas-fired, indirect-fired heaters/boilers, identified as Boiler #3 and Boiler #4, constructed in 2015, serving Gummi Lines 1, 2, 3, and 4 through 6, each having a maximum heat input capacity of 11.54 MMBtu/hr, uncontrolled and exhausting to stacks GFBS1 and GFBS2, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #3 and Boiler #4 are considered affected units.

(i) Two (2) natural gas-fired boilers, identified as Boilers #5 and #6, approved in 2019 for construction, serving Gummi Lines 1 through 6, with a maximum heat input capacity of 11.54 MMBtu/hr, each, uncontrolled, and exhausting to stacks GFBS3 and GFBS4, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #5 and Boiler #6 are considered affected units.

(j) One (1) Gummi Manufacturing Line, identified as Gummi Line 5 (EU-06), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 5, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT5), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 5 (BT5).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 5 (VT5); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #25 - #30 (KTL5), for mixing in micro ingredients.
(F) One (1) flavor kettle weigh hopper, identified as FKWH5, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 5, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH5, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC5, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #5, consisting of:

   (i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 5, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC5, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

   (ii) One (1) Mogul Depositor, identified as MD5, for dispensing liquid gummi material into the starch molds; and

   (iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS5, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC5, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS5.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 5, including:

(A) One (1) sugar sanding operation, identified as SSO5, consisting of:

   (i) One (1) enclosed conveyor/steamer unit;

   (ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

   (iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;
(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr5, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr5, for application of food-grade oil to formed gummi candy.

(k) One (1) Gummi Manufacturing Line, identified as Gummi Line 6 (EU-07), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 6, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT6), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 6 (BT6).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 6 (VT6); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #31 - #36 (KTL6), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH6, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 6, including:
(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH6, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC6, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #6, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 6, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC6, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD6, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS6, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC6, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS6.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 6, including:

(A) One (1) sugar sanding operation, identified as SSO6, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr6, with a maximum sugar usage rate of 860 pounds per hour, with
particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr6, for application of food-grade oil to formed gummi candy.

(l) Three (3) 24,000 gallon corn syrup tanks, identified as CST3 through CST5, shared by Gummi Lines 1 through 6.

(m) One (1) regenerative thermal oxidizer, identified as RTO-1, approved in 2019 for construction, with a burner maximum heat input capacity of 1.1 MMBtu/hr, used to control the kitchen areas associated with Gummi Lines 3 through 6.

A.3 Specifically Regulated Insignificant Activities

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

*****

(c) One (1) Gummi Finishing Operation, constructed in 2009 and approved in 2015 for modification, with a combined bottlenecked throughput capacity of 24,000 pounds of formed gummi candy per hour, and including:

(1) One (1) sugar sanding operation, identified as SSO, consisting of:

(A) Three (3) enclosed conveyor/steamer units;

(B) Three (3) Super Sack® bulk bag sour blend sugar unloading stations, with a maximum super sack storage capacity of 2,000 pounds, each;

(C) Three (3) sugar hoppers, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour, each, or 1,200 pounds per hour, combined;

(D) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hoppers to the sanding tumblers; and

(E) Three (3) sugar sanding tumblers, collectively identified as Stublrs, with a maximum sugar usage rate of 600 pounds per hour, each, or 1,800 pounds per hour, combined, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(2) Three (3) oiling tumblers, collectively identified as Otublrs, for application of food-grade oil to formed gummi candy.

(dc) One (1) natural gas-fired nut roaster, identified as Nut Roaster, constructed in 2007, with a maximum heat input capacity of 0.30 MMBtu per hour, and a maximum throughput capacity of 250 pounds of nuts per hour, uncontrolled and exhausting through stack NRS1;

(ed) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, as follows:
### A.4 Non-specifically Regulated Insignificant Activities

This stationary source also includes the following non-specifically regulated insignificant activities, as defined in 326 IAC 2-7-1(21):

- **Four (4) Six (6)** finished product packaging lines, with a bottlenecked throughput capacity of 7,000 pounds of finished candy per hour each for Gummi Lines 1 & 2, and 10,000 pounds of finished candy per hour for Gummi Lines 3 & 4, 5 & 6, or 354,000 pounds per hour combined; including:

- **Six (6)** finished product packaging lines, with a bottlenecked throughput capacity of 7,000 pounds of finished candy per hour each for Gummi Lines 1 & 2, and 10,000 pounds of finished candy per hour for Gummi Lines 3 & 4, 5 & 6, or 354,000 pounds per hour combined; including:

### A.5 Part 70 Permit Applicability

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- It is a major source, as defined in 326 IAC 2-7-1(22);

- It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

### SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

#### Emissions Unit Description:

- **One (1) Gummi Manufacturing Line**, identified as Gummi Line 1 (EU-01), constructed in 2009, having a maximum throughput capacity of 7,000 pounds of finished gummi candy per hour, and including:

- **One (1) Gummi Finishing Operation**, identified as Gummi Finishing 1, including:
  
  - **One (1) sugar sanding operation**, identified as SSO1, consisting of:
    
    - **One (1) enclosed conveyor/steamer unit**;
    
    - **One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds**;
    
    - **One (1) sugar hopper, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour**;
Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

One (1) sugar sanding tumbler, identified as Stublr1, with a maximum sugar usage rate of 600 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

One (1) oiling tumbler, identified as Otublr1, for application of food-grade oil to formed gummi candy.

One (1) Gummi Manufacturing Line, identified as Gummi Line 2 (EU-02), constructed in 2012, having a maximum throughput capacity of 7,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 2, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 5,460 pounds of dry ingredients and minor ingredients per hour, and including:

*****

One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT2), for mixing the basic gummi recipe.

One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT2).

One (1) 150 gallon vacuum tank, identified as vacuumizer tank 2 (VT2); and

Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #7 - #12 (KTL2), for mixing in micro ingredients.

One (1) flavor kettle weigh hopper, identified as FKWH2, for measuring micro ingredients.

One (1) Mogul Line, identified as Mogul Line 2, including:

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One (1) Gummi Finishing Operation, identified as Gummi Finishing 2, including:

(2) One (1) sugar sanding operation, identified as SSO2, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and
(v) **One (1) sugar sanding tumbler**, identified as Stublr2, with a maximum sugar usage rate of 600 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) **One (1) oiling tumbler**, identified as Otublr2, for application of food-grade oil to formed gummi candy.

(e) **One (1) Gummi Manufacturing Line**, identified as Gummi Line 3 (EU-04), constructed in 2015, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

1. **One (1) kitchen**, identified as Kitchen 3, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, **controlled by RTO-1**, and including:

   *****

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

   (i) **One (1) 200 gallon holding tank**, identified as Pre-Mix Tank (PMT3), for mixing the basic gummi recipe.

   (ii) **One (1) 200 gallon storage kettle**, identified as buffer tank 2 (BT3).

   (iii) **One (1) 150 gallon vacuum tank**, identified as vacuumizer tank 3 (VT3); and

   (iv) **Six (6) 10 gallon mixing kettles**, identified as Flavor Kettles #13 - #18 (KTL3), for mixing in micro ingredients.

(F) **One (1) flavor kettle weigh hopper**, identified as FKWH3, for measuring micro ingredients.

(2) **One (1) Mogul Line**, identified as Mogul Line 3, including:

   *****

(3) **One (1) Gummi Finishing Operation**, identified as Gummi Finishing 3, including:

(A) **One (1) sugar sanding operation**, identified as SSO3, consisting of:

   (i) **One (1) enclosed conveyor/steamer unit**;

   (ii) **One (1) Super Sack® bulk bag sour blend sugar unloading station**, with a maximum super sack storage capacity of 2,000 pounds;

   (iii) **One (1) sugar hopper**, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

   (iv) **Completely enclosed screw conveyors/augers**, used to transport sour blend sugar from the hopper to the sanding tumbler; and

   (v) **One (1) sugar sanding tumbler**, identified as Stublr3, with a maximum sugar usage rate of 860 pounds per hour, with
particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr3, for application of food-grade oil to formed gummi candy.

(f) One (1) Gummi Manufacturing Line, identified as Gummi Line 4 (EU-05), approved in construction in 2018 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 4, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

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(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT4), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 2 (BT4).

(ü) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 3 (VT4); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #19-#24 (KTL3), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH4, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 4, including:

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(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 4, including:

(A) One (1) sugar sanding operation, identified as SSO4, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr4, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;
(B) One (1) oiling tumbler, identified as Otublr4, for application of food-grade oil to formed gummi candy.

(j) One (1) Gummi Manufacturing Line, identified as Gummi Line 5 (EU-06), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 5, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and

(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:

(i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT5), for mixing the basic gummi recipe.

(ii) One (1) 200 gallon storage kettle, identified as buffer tank 5 (BT5).

(iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 5 (VT5); and

(iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #25 - #30 (KTL5), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH5, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 5, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH5, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC5, which exhausts inside the building;
(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #5, consisting of:

(i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 5, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC5, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.

(ii) One (1) Mogul Depositor, identified as MD5, for dispensing liquid gummi material into the starch molds; and

(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS5, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC5, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS5.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 5, including:

(A) One (1) sugar sanding operation, identified as SSO5, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr5, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr5, for application of food-grade oil to formed gummi candy.

(k) One (1) Gummi Manufacturing Line, identified as Gummi Line 6 (EU-07), approved in 2019 for construction, having a maximum throughput capacity of 10,000 pounds of finished gummi candy per hour, and including:

(1) One (1) kitchen, identified as Kitchen 6, for the compounding and mixing of gummi candy, having a maximum throughput capacity of 6,960 pounds of dry ingredients and minor ingredients per hour, controlled by RTO-1, and including:

(A) Dry ingredient and minor ingredient storage, including:

(i) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and
(ii) Smaller bags and containers of minor ingredients.

(B) One (1) Super Sack® bulk bag dry ingredient unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(C) Completely enclosed screw conveyors/augers, used to transport dry ingredients from the bulk bags to the mixing vessels;

(D) Manual hand additions of minor ingredients;

(E) Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
   (i) One (1) 200 gallon holding tank, identified as Pre-Mix Tank (PMT6), for mixing the basic gummi recipe.
   (ii) One (1) 200 gallon storage kettle, identified as buffer tank 6 (BT6).
   (iii) One (1) 150 gallon vacuum tank, identified as vacuumizer tank 6 (VT6); and
   (iv) Six (6) 10 gallon mixing kettles, identified as Flavor Kettles #31 - #36 (KTL6), for mixing in micro ingredients.

(F) One (1) flavor kettle weigh hopper, identified as FKWH6, for measuring micro ingredients.

(2) One (1) Mogul Line, identified as Mogul Line 6, including:

(A) Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;

(B) Manual transfer of process material (starch) by hand and by shovel to the hoppers;

(C) One (1) starch hopper, identified as StH6, with a bottlenecked throughput capacity of 200 pounds of starch per hour, with particulate emissions controlled by a hood and routed to the starch reclaim dust collector, identified as RC6, which exhausts inside the building;

(D) Two (2) completely enclosed screw conveyors/augers, used to transport starch from the hoppers to the Mogul mold preparation units;

(E) One (1) Mogul, identified as Mogul #6, consisting of:
   (i) One (1) completely enclosed Mogul mold processing unit, identified as Starch Buck 6, with a maximum throughput capacity of 20,000 pounds of starch per hour, equipped with an integral starch reclaim collector, identified as RC6, to capture suspended conditioned starch from the Mogul unit, exhausting inside the building.
   (ii) One (1) Mogul Depositor, identified as MD6, for dispensing liquid gummi material into the starch molds; and
(iii) One (1) completely enclosed Mogul starch reconditioning system, identified as SRS6, with a maximum throughput capacity of 20,000 pounds of starch per hour, consisting of a sifter, dryer, and cooler, equipped with an integral dryer starch collector, identified as DC6, to capture reconditioned starch for return to the Mogul mold preparation unit, exhausting through stack DCS6.

(3) One (1) Gummi Finishing Operation, identified as Gummi Finishing 6, including:

(A) One (1) sugar sanding operation, identified as SSO6, consisting of:

(i) One (1) enclosed conveyor/steamer unit;

(ii) One (1) Super Sack® bulk bag sour blend sugar unloading station, with a maximum super sack storage capacity of 2,000 pounds;

(iii) One (1) sugar hopper, with a bottlenecked throughput capacity of 860 pounds of sugar per line per hour;

(iv) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hopper to the sanding tumbler; and

(v) One (1) sugar sanding tumbler, identified as Stublr6, with a maximum sugar usage rate of 860 pounds per hour, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;

(B) One (1) oiling tumbler, identified as Otublr6, for application of food-grade oil to formed gummi candy.

(m) One (1) regenerative thermal oxidizer, identified as RTO-1, approved in 2019 for construction, with a burner maximum heat input capacity of 1.1 MMBtu/hr, used to control the kitchen areas associated with Gummi Lines 3 through 6.

Specifically Regulated Insignificant Activities

(c) One (1) Gummi Finishing Operation, constructed in 2009 and approved in 2015 for modification, with a combined bottlenecked throughput capacity of 24,000 pounds of formed gummi candy per hour, and including:

(1) One (1) sugar sanding operation, identified as SSO, consisting of:

(A) Three (3) enclosed conveyor/steamer units;

(B) Three (3) Super Sack® bulk bag sour blend sugar unloading stations, with a maximum super sack storage capacity of 2,000 pounds, each;

(C) Three (3) sugar hoppers, with a bottlenecked throughput capacity of 600 pounds of sugar per line per hour, each, or 1,200 pounds per hour, combined;

(D) Completely enclosed screw conveyors/augers, used to transport sour blend sugar from the hoppers to the sanding tumblers; and

(E) Three (3) sugar sanding tumblers, collectively identified as Stublrs, with a maximum sugar usage rate of 600 pounds per hour, each, or 1,800 pounds per hour, combined, with particulate emissions controlled by hoods and routed to the scrap dust collector, which exhausts inside the building;
(2) Three (3) oiling tumblers, collectively identified as Otubls, for application of food-grade oil to formed gummi candy.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards  [326 IAC 2-7-5(1)]

D.1.1 Volatile Organic Compounds (VOCs) Limits [326 IAC 2-3] [326 IAC 8-1-6][40 CFR 81.315][326 IAC 2-1.1-4(a)] [40 CFR 51.165]

(a) Pursuant to F089-36134-00006, issued on August 7, 2015, in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration), 326 IAC 2-3 (Emission Offset) and 326 IAC 8-1-6 (BACT) not applicable, the Permittee shall comply with the following:

1. VOC emissions from Gummi Line 1 shall not exceed 24.5 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

2. VOC emissions from Gummi Line 2 shall not exceed 24.5 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

3. VOC emissions from Gummi Line 3 shall not exceed 24.5 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit VOCs from all other emission units at this source, shall limit the source-wide total potential to emit of VOCs to less than 100 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) not applicable.

Additionally, compliance with these limits, shall limit VOC emissions from Gummi Lines 1, and 2 and 3, each, to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) not applicable.

(b) In order to render the requirements of 326 IAC 2-3 (Emission Offset) and 326 IAC 8-1-6 (BACT) not applicable to the 2018 modification, VOC emissions from Gummi Line 4 shall not exceed 24.5 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit, shall limit the potential to emit of VOCs of the 2018 modification to less than 100 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) applicable.

Additionally, compliance with this limit, shall limit VOC emissions from Gummi Line 4 to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) not applicable.

(b) In order to render the requirements of 326 IAC 2-3 (Emission Offset) and 326 IAC 8-1-6 (BACT) not applicable to the 2019 modification, the Permittee shall comply with the following:

1. VOC emissions from the Gummi Line 3 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
(2) VOC emissions from the Gummi Line 4 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(3) VOC emissions from the Gummi Line 5 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(4) VOC emissions from the Gummi Line 6 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, shall limit the net emissions increase of VOC of the 2019 modification to less than 25 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) not applicable to the 2019 Modification permitted under SSM No. 089-41447-00006.

Additionally, compliance with these limits shall limit potential VOC emissions from Gummi Lines 3 through 6 to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements) not applicable.

D.1.2 Particulate Emissions Limitations [326 IAC 6.8]

Pursuant to 326 IAC 6.8-1-2(a) (Limitations for Lake County), particulate matter (PM) emissions from the four (4) six (6) pre-mix tanks (PMT1 through PMT46), Gelatin Hydration Tank (GHT1), Hi Shear Tank (HiShTk), four (4) six (6) Flavor Kettle Weigh Hoppers (FKWH1 through FKWH46), Flavor kettles (#1-2436), and starch storage, conveying, and handling (Mogul 1 through 46), Mogul mold processing units (Starch Buck 1 through 46), Mogul starch reconditioning system (SRS1 through SRS46), three (3) six (6) sugar sanding tumblers (Stublrs), and three (3) six (6) oiling tumblers, and regenerative thermal oxidizer (RTO-1) shall each not exceed 0.03 grains per dry standard cubic foot (gr/dscf).

Compliance Determination Requirements [326 IAC 2-7-5(1)]

D.1.4 Volatile Organic Compounds

Compliance with the VOC emissions limits contained in Conditions D.1.1(a) and D.1.1(b) shall be determined using the following equation:

\[
VOC_t = \frac{\sum_{j=1}^{m} VOC_j}{2000} \times (1 - r)
\]

Where:
- \( VOC_t \) = Total VOC emissions (tons/month) for each gummi line;
- \( VOC_j \) = VOC content in flavor (%) * Flavor Usage (pounds/month);
- \( m \) = Number of VOC-containing flavors; and
- \( j \) = A given flavoring.
- \( r \) = Overall VOC efficiency of the capture system and control device.

The Permittee shall determine the overall VOC efficiency of the regenerative thermal oxidizer (RTO-1) from the most recent valid stack test. From the date of startup until the stack test results are available, the Permittee shall use an overall VOC efficiency of 76.33% for the regenerative thermal oxidizer (RTO-1).
D.1.5 VOC Control

In order to comply with Condition D.1.1(b), the regenerative thermal oxidizer (RTO-1) shall be in operation and control emissions from the Kitchens 3 through 6, at all times Kitchens 3 through 6 are in operation.

D.1.6 Testing Requirements [326 IAC 2-1.1-11]

Not later than 180 days after startup of RTO-1, in order to demonstrate compliance with Condition D.1.1(b), the Permittee shall perform VOC (including overall control efficiency of the regenerative thermal oxidizer (RTO-1)) testing for the regenerative thermal oxidizer (RTO-1), utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

D.1.7 Particulate Control

(a) In order to assure compliance with Condition D.1.2, the integral starch reclaim collectors, identified as RC1, RC2, RC3, and RC4, RC5, and RC6, serving the Mogul mold processing units (Starch Buck 1, Starch Buck 2, Starch Buck 3 and Starch Buck 4, Starch Buck 5 and Starch Buck 6) and the integral dryer starch collectors, identified as DC1, DC2, DC3, and DC4, DC5, and DC6, serving the Mogul starch reconditioning systems, identified as SRS1, SRS2, SRS3, and SRS4, SRS5, and SRS6, shall each operate and control particulate emissions at all times that the respective Mogul mold processing unit (Starch Buck 1, Starch Buck 2, Starch Buck 3, and Starch Buck 4, Starch Buck 5, and Starch Buck 6) and Mogul starch reconditioning system (SRS1, SRS2, SRS3, and SRS4, SRS5, and SRS6) is in operation.

(b) In order to assure compliance with Condition D.1.2, the integral starch reclaim collectors, identified as RC1, RC2, RC3, and RC4, RC5, and RC6, shall operate and control particulate emissions at all times that the respective Mogul mold processing unit (Starch Buck 1, Starch Buck 2, Starch Buck 3, and Starch Buck 4, Starch Buck 5, and Starch Buck 6), is in operation.

(c) In order to assure compliance with Condition D.1.2, the integral dryer starch collectors, identified as DC1, DC2, DC3, and DC4, DC5, and DC6, shall operate and control particulate emissions at all times that the respective Mogul starch reconditioning systems, identified as SRS1, SRS2, SRS3, and SRS4, SRS5, and SRS6, are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.8 Thermal Oxidizer Temperature

(a) A continuous monitoring system shall be calibrated, maintained, and operated on the regenerative thermal oxidizer (RTO-1) for measuring operating temperature. For the purpose of this condition, continuous means no less often than once per fifteen (15) minutes. The output of this system shall be recorded as 3-hour average. From the date of startup until the stack test results are available, the Permittee shall operate the regenerative thermal oxidizer (RTO-1) at or above the 3-hour average temperature of 1,500°F.

(b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits in Condition D.1.1(b).

(c) On and after the date the stack test results are available, the Permittee shall operate the regenerative thermal oxidizer (RTO-1) at or above the 3-hour average temperature as observed during the compliant stack test.
(d) If the 3-hour average temperature falls below the above mentioned 3-hour average temperature, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. A 3-hour average temperature reading below the above mentioned 3-hour average temperature is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

D.1.9 Parametric Monitoring

(a) The Permittee shall determine the appropriate duct pressure or fan amperage from the most recent valid stack test that demonstrates compliance with limits in Condition D.1.1(b).

(b) The duct pressure or fan amperage shall be observed at least once per day when the regenerative thermal oxidizer (RTO-1) is in operation. On and after the date the stack test results are available, the duct pressure or fan amperage shall be maintained within the normal range as established in most recent compliant stack test.

(c) When, for any one reading, the duct pressure or fan amperage is outside the above mentioned range, the Permittee shall take a reasonable response. Section C - Response to Excursions and Exceedances contains the Permittee’s obligation with regard to the reasonable response steps required by this condition. A reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements  [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.6 Volatile Organic Liquid Storage Vessels [326 IAC 8-9]

Pursuant to 326 IAC 8-9-1(b), the two (2) 12,000 gallon liquid corn syrup tanks, the three (3) 24,000 gallon corn syrup tanks, the six (6) 200 gallon pre-mix tanks, the six (6) 200 gallon buffer tanks, the six (6) 200 gallon vacuum tanks, the 150 gallon surge tank, the six (6) 50 gallon flavor kettles, and the eighteen (18) thirty (30) 10 gallon flavor kettles, are each subject to the reporting and recordkeeping provisions of this rule, as follows:

(a) Pursuant to 326 IAC 8-9-6(a), the Permittee shall keep all records required by this section, for each of the storage tanks, for three (3) years unless specified otherwise. Records required by subsection (b) shall be maintained for the life of the vessel.

(b) Pursuant to 326 IAC 8-9-6(b), the Permittee shall maintain a record for each of the storage tanks, and submit to the department a report containing the following information for each vessel:

   (1) The vessel identification number.
   (2) The vessel dimensions.
   (3) The vessel capacity.

D.1.7 Record Keeping Requirements

(a) To document the compliance status with Conditions D.1.1(a) and D.1.1(b), the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC emissions limits established in Condition D.1.1.
(1) Total number of VOC-containing flavors used during each month and each twelve (12) consecutive month compliance period;

(2) The total amount (in lbs) of each flavoring used during each month and each twelve (12) consecutive month compliance period;

(3) The effective percent by weight VOC content of each flavoring used during each month and each twelve (12) consecutive month compliance period;

(4) Total VOC emissions for each gummi line each month and each twelve (12) consecutive month compliance period;

All calculations used to determine any of the above-listed parameters should be kept as part of the monthly record.

(b) To document the compliance status with Condition D.1.8, the Permittee shall maintain continuous temperature records for the regenerative thermal oxidizer (RTO-1) and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test.

(c) To document the compliance status with Condition D.1.9, the Permittee shall maintain daily records of the duct pressure or fan amperage for the regenerative thermal oxidizer (RTO-1). The Permittee shall include in its daily record when the readings are not taken and the reason for the lack of the readings (e.g. the process did not operate that day).

(bd) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the record keeping required by this condition.

D.1.8 Reporting Requirements

Quarterly summaries of the information to document the compliance status with Conditions D.1.1(a) and D.1.1(b) shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

SECTION D.2 EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description:

(g) One (1) Chocolate Panning Line, including the following:

(2) Two (2) natural gas-fired boilers for melting chocolate for use in the engrossing process, identified as Lochinvar Melting Boilers #1 & 2, constructed in 2007, with maximum heat input capacities of 0.21 MMBtu per hour, each, uncontrolled and exhausting outside the building to stacks LDBS1 and LDBS2 [326 IAC 6.8];

(h) Two (2) natural gas-fired, indirect-fired heaters/boilers, identified as Boiler #3 and Boiler #4, approved in 2015 for construction constructed in 2015, serving Gummi Lines 1, 2, 3, and 4 through 6, each having a maximum heat input capacity of 11.54 MMBtu/hr, uncontrolled and exhausting to stacks GFBS1 and GFBS2, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #3 and Boiler #4 are considered affected units.
Two (2) natural gas-fired boilers, identified as Boilers #5 and #6, approved in 2019 for construction, serving Gummi Lines 1 through 6, with a maximum heat input capacity of 11.54 MMBtu/hr, each, uncontrolled, and exhausting to stacks GFBS3 and GFBS4, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #5 and Boiler #6 are considered affected units.

*****

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate Emissions Limitations [326 IAC 6.8]

(a) Pursuant to 326 IAC 6.8-1-2(b)(3) (Limitations for Lake County), particulate matter (PM) emissions from the one (1) 5.88 MMBtu per hour natural gas-fired boiler (Muira Boiler 2), two (2) 0.21 MMBtu per hour natural gas-fired melting boilers (Lochinvar Melting Boilers #1 & 2), two (2) four (4) 11.54 MMBtu per hour natural gas-fired boilers (Boiler #3, and Boiler #4, Boiler #5, and Boiler #6), and the two (2) 0.08 MMBtu per hour natural gas-fired water heaters (State 75gal. Water Heaters #1 & 2) shall each not exceed 0.01 grains per dry standard cubic foot (gr/dscf).

*****

SECTION E.1 NSPS

(h) Two (2) natural gas-fired, indirect-fired heaters/boilers, identified as Boiler #3 and Boiler #4, constructed in 2015, serving Gummi Lines 1, 2, 3, and 4 through 6, each having a maximum heat input capacity of 11.54 MMBtu/hr, uncontrolled and exhausting to stacks GFBS1 and GFBS2, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #3 and Boiler #4 are considered affected units.

(i) Two (2) natural gas-fired boilers, identified as Boilers #5 and #6, approved in 2019 for construction, serving Gummi Lines 1 through 6, with a maximum heat input capacity of 11.54 MMBtu/hr, each, uncontrolled, and exhausting to stacks GFBS3 and GFBS4, respectively.

Under NSPS for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc], Boiler #5 and Boiler #6 are considered affected units.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]
E.1.2 New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12] [40 CFR Part 60, Subpart Dc]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Dc (included as Attachment A to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit(s) listed above:

1. 40 CFR 60.40c(a), (b), (c);
2. 40 CFR 60.41c;
3. 40 CFR 60.42c(h)(4), (i);
4. 40 CFR 60.44c(h);
5. 40 CFR 60.46c(e);
6. 40 CFR 60.48(a), (b), (d), (e)(1), (e)(2), (e)(3), (e)(4), (e)(11), (f)(4), (g), (i), (j), (k).

*****
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  

Part 70 Quarterly Report  

Source Name: Albanese Confectionery Group, Inc.  
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410  
Part 70 Permit No.: T089-39670-00006  
Facility: Gummi Line 3  
Parameter: Volatile Organic Compounds (VOCs)  
Limit: VOC emissions from Gummi Line 3 shall not exceed 24.50.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.  

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Submitted by: _____________________________________________________  
Title / Position: ____________________________________________________  
Signature: ________________________________________________________  
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Phone: ___________________________________________________________
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006
Facility: Gummi Line 4
Parameter: Volatile Organic Compounds (VOCs)

Limit: VOC emissions from Gummi Line 4 shall not exceed $24.505.80$ tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

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Signature: ____________________________________________________________
Date: ________________________________________________________________
Phone: ______________________________________________________________
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006
Facility: Gummi Line 5
Parameter: Volatile Organic Compounds (VOCs)
Limit: VOC emissions from Gummi Line 5 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF AIR QUALITY**  
**COMPLIANCE AND ENFORCEMENT BRANCH**

**Part 70 Quarterly Report**

- **Source Name:** Albanese Confectionery Group, Inc.  
- **Source Address:** 5441 E Lincoln Hwy, Merrillville, Indiana 46410  
- **Part 70 Permit No.:** T089-39670-00006  
- **Facility:** Gummi Line 6  
- **Parameter:** Volatile Organic Compounds (VOCs)  
- **Limit:** VOC emissions from Gummi Line 6 shall not exceed 5.80 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

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Deviations reported on: ______________________

Submitted by: ____________________________________________________

Title / Position: _________________________________________________

Signature: _______________________________________________________

Date: ___________________________________________________________

Phone: _________________________________________________________
**Additional Changes**

IDEM, OAQ made additional changes to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

These permit changes include model updates to standard permit language that are applicable to this source,

1. IDEM, OAQ has made model updates to standard permit language in Section B of the permit to help clarify the intent of these requirements.
2. IDEM, OAQ has corrected the standard permit language in Conditions D.1.3 and D.2.2, since this source does not have a registration; it has a permit.
3. IDEM, OAQ has made model updates to standard permit language in the reporting forms to help clarify the nature and units of the pollutant reported.

**B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]**

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source’s compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

*****

**B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]**

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:

*****

(4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
and

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

*****

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]
A Preventive Maintenance Plan is required for these facilities and any associated control devices. Section B - Preventive Maintenance Plan contains the Registrant's Permittee's obligation with regard to the preventive maintenance plan required by this condition.

*****

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]
A Preventive Maintenance Plan is required for these facilities. Section B - Preventive Maintenance Plan contains the Registrant's Permittee's obligation with regard to the preventive maintenance plan required by this condition.

*****
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006
Facility: Gummi Line 1
Parameter: Volatile Organic Compounds (VOCs)
Limit: VOC emissions from Gummi Line 1 shall not exceed 24.50 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

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Submitted by: ____________________________________________________
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Part 70 Quarterly Report

Source Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, Indiana 46410
Part 70 Permit No.: T089-39670-00006
Facility: Gummi Line 2
Parameter: Volatile Organic Compounds (VOCs)
Limit: VOC emissions from Gummi Line 2 shall not exceed 24.50 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.1.4.

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Deviation has been reported on: ____________

Submitted by: ________________________________________________________
Title / Position: ______________________________________________________
Signature: ___________________________________________________________
Date: ____________________________
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Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on May 10, 2019. Additional information was received on July 15, 2019.

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 089-41447-00006. The operation of this proposed modification shall be subject to the conditions of the attached proposed Significant Permit Modification No. 089-41625-00006.

The staff recommends to the Commissioner that the Part 70 Significant Source Modification and Significant Permit Modification be approved.

IDEM Contact

(a) If you have any questions regarding this permit, please contact Natalie Moore, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 233-8279 or (800) 451-6027, and ask for Natalie Moore or (317) 233-8279.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.
### Appendix A: Emissions Calculations

#### Summary Emissions

**Company Name:** Abesense Confectionary Group, Inc.

**Source Address:** 5441 E Lincoln Hwy, Merrillville, IN 46410

**Source Modification Number:** 060-3167-000000

**Permit Modification Number:** 060-3167-00006

**Preparer:** Natalie Moore

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**Unlimited Uncontrolled Potential to Emit of the Entire Source Before Integral Controls (per year):**

- Total emissions based on rated capacity at 8760 hours per year.
- VOC emissions denoted as the volatiles weigted (VW) and flavor kettles. To form a conservative estimate, it is assumed that 100% of the VOCs added are emitted at the weigh hopper, flavor kettles, and depositors.
- Emissions have determined the dust collectors serving the starch molding and starch reconditioning processes are integral to the process (see the "Integral Part of the Process" Determination Section of the TSC for more detail). Consequently, the potential to emit after controls has been used in determining the permitting level for this source (following table). However, this integral determination does not negate any requirement for a test to comply with 333 NEC, 2.12 (labeled Significant Determination), if applicable. Therefore, the emissions in the table above are not considered an exemption of this TSC. Table 17-316 contains source level information.
- **Activities** for which the potential to emit criteria and hazardous air pollutants is assumed negligible. See page 17 of 16 of this TSC Appendix A for more detail.
### Table: Emissions Calculations

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<td>Kitchen 4 - Fiber Tank</td>
<td>FT4</td>
<td>3.57</td>
<td>0.97</td>
<td>0.97</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
<td>0</td>
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<td>0</td>
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<td>Maqui 4 - Depositor*</td>
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<td>0</td>
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<td>0.97</td>
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<td>Dairy Finishing</td>
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<td>Kitchen 6 - Flavor kettle (M)</td>
<td>FK6M</td>
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<td>0</td>
<td>0</td>
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<tr>
<td></td>
<td>Maqui 6 - Depositor*</td>
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<td>0</td>
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<td>Maqui 6 - Starch Molding</td>
<td>RC6</td>
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<td>0.56</td>
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<td>0</td>
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</tr>
</tbody>
</table>

**Note:**
- **NA:** Not applicable
- **neg:** negligible
- Total emissions based on rated capacity at 8760 hours/year.
- VOC emissions account for the emitted species listed (in tons/year).
- VOC emissions are assumed to be emitted at the process unit(s) listed.
- All emissions are subject to the permit requirements.
- **Activities for which the potential is nil:** The emissions listed are assumed negligible. See page 17 of this TSD Appendix A for more detail.
Appendix A: Emissions Calculations

Summary Emissions

Company Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410
Permit Modification Number: 006-1467-00000

Reviewer: Natalie Moore

Limited or Controlled Potential to Emit level of the Entire Source After issuance of the Permit (ton/year)

<table>
<thead>
<tr>
<th>Emission Units</th>
<th>Source Address</th>
<th>Unit ID</th>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
<th>SO2</th>
<th>NOx</th>
<th>VOC</th>
<th>CO</th>
<th>HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kitchen 1 - Starch Reconditioning</td>
<td>5441 E Lincoln Hwy, Merrillville, IN 46410</td>
<td>500</td>
<td>0.48</td>
<td>0.16</td>
<td>0.16</td>
<td>0.00</td>
<td>0.00</td>
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</tr>
<tr>
<td>Kitchen 2 - Chocolate Polishing Process</td>
<td>5441 E Lincoln Hwy, Merrillville, IN 46410</td>
<td>500</td>
<td>1.13</td>
<td>0.37</td>
<td>0.37</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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<td>0.00</td>
</tr>
<tr>
<td>Kitchen 3 - Chocolate Polishing Process</td>
<td>5441 E Lincoln Hwy, Merrillville, IN 46410</td>
<td>500</td>
<td>1.41</td>
<td>0.66</td>
<td>0.66</td>
<td>0.00</td>
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</tr>
<tr>
<td>Kitchen 4 - Starch Hopper</td>
<td>5441 E Lincoln Hwy, Merrillville, IN 46410</td>
<td>500</td>
<td>0.64</td>
<td>0.64</td>
<td>0.64</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Kitchen 5 - Starch Hopper</td>
<td>5441 E Lincoln Hwy, Merrillville, IN 46410</td>
<td>500</td>
<td>0.64</td>
<td>0.64</td>
<td>0.64</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

All values are based on the rated capacity of 8,760 hour/year.

100% of the VOCs added are emitted at the weigh hopper, flavor kettles, and depositor.

**Limited PIC based upon annual VOC emissions limits (264 IC 2-2 (PMR), 326 IC 2-3 (Emission Offset) and 326 IC 9-1-6 (BACT) not applicable.

Total emissions are based on the rated capacity of 8,760 hour/year.

100% of the VOCs added are emitted at the weigh hopper, flavor kettles, and depositor.

A VOC exceeding annual emissions at the weigh hopper, flavor kettles and depositor.

**Starch molding and starch reconditioning potential emissions considered after integral for the purpose of determining the permitting level for the source.

See the above table, and the "volatile Part of the Process Determination" section of the TSD for more detail.

This integral determination does not negate the requirement for a limit to comply with 326 IC 2-2 (Prevention of Significant Deterioration).

Addressed for the potential to emit criteria and hazardous air pollutants is assumed negligible. See page 17 of the TSD Appendix A for more detail.
# Appendix A: Emissions Calculations

## Modification Summary

**Company Name:** Albanese Confectionery Group, Inc.  
**Source Address:** 5441 E Lincoln Hwy, Merrillville, IN 46410  
**Source Modification Number:** 089-41447-00006  
**Permit Modification Number:** 089-41625-00006  
**Reviewer:** Natalie Moore

### Unlimited Potential to Emit of the Modification After Integral Controls (tons/year)

<table>
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<tr>
<th>Emission Units</th>
<th>Unit ID</th>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
<th>SO2</th>
<th>NOx</th>
<th>VOC</th>
<th>CO</th>
<th>Combined HAPs</th>
<th>Highest Single HAP</th>
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<tr>
<td>Boiler #5</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td>0.05</td>
</tr>
<tr>
<td>Regenerative Thermal Ozonizer</td>
<td>RT1-1</td>
<td>0.01</td>
<td>0.04</td>
<td>0.04</td>
<td>0.00</td>
<td>0.47</td>
<td>0.03</td>
<td>0.40</td>
<td>0.01</td>
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<td>Ink jet printers</td>
<td>Ink jet printer</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.15</td>
<td>-</td>
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</table>

### Limited/Controlled Potential to Emit of the Modification After Issuance of the Modification (tons/year)

<table>
<thead>
<tr>
<th>Emission Units</th>
<th>Unit ID</th>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
<th>SO2</th>
<th>NOx</th>
<th>VOC</th>
<th>CO</th>
<th>Combined HAPs</th>
<th>Highest Single HAP</th>
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</thead>
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<td>0.04</td>
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<td>0.47</td>
<td>0.03</td>
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<tr>
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<td>Ink jet printer</td>
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<td>0.15</td>
<td>-</td>
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<td>-</td>
</tr>
</tbody>
</table>

---

* VOC emitting materials added at the weigh hopper and flavor kettle. To form a conservative estimate, it is assumed that 100% of the VOCs added are emitted at the weigh hopper, flavor kettle, and depositor.

** Limited PTE based upon annual VOC emissions limits to render 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset) and 326 IAC 8-1-6 (BACT) not applicable.

*** Starch molding and starch reconditioning potential emissions considered after integral controls for the purpose of determining the permitting level for this source. See the above table, and the "Integral Part of the Process’s Determination section of the TSD for more detail. This integral determination does not negate the requirement for a limit to comply with 326 IAC 2-2 Prevention of Significant Deterioration."
Appendix A: Emissions Calculations
Particulate (PM/PM10/PM2.5) Emissions from Dry Ingredient Handling
(loading into tanks, kettles, hoppers, and tumblers)

Company Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410
Source Modification Number: 089-41477-00006
Permit Modification Number: 089-41625-00006
Reviewer: Natalie Moore

The uncontrolled potential emissions of particulate from dry ingredient storage and conveying before controls are estimated using Ap-42 emission factors.

### Process Area

<table>
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<tr>
<th>Process Area</th>
<th>Emission Unit**</th>
<th>Unit ID</th>
<th># of Units</th>
<th>Activity or Conveyance type</th>
<th>Potential Raw Material/Dry Ingredient Throughput (lbs/hr)</th>
<th>Potential Raw Material/Dry Ingredient Throughput (tons/hr)</th>
<th>PTE of PM (lbs/hour)</th>
<th>PTE of PM (tons/yr)</th>
<th>PTE of PM10/PM2.5 (tons/yr)**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gummi Line 1</td>
<td>Kitchen 1 - Gelatin Hydration Tank</td>
<td>GHT1</td>
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<td>hand dump</td>
<td>460</td>
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<td>hand dump</td>
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<td>0.7700</td>
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<td>3.75E-04</td>
<td>1.64E-03</td>
<td>3.90E-04</td>
</tr>
<tr>
<td></td>
<td>Mogul 1 - Starch hopper</td>
<td>SH1</td>
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<td>hand dump &amp; shovel</td>
<td>200</td>
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<td>0.0005</td>
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<td>automated</td>
<td>150</td>
<td>0.08</td>
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<td>Mogul 3 - Starch hopper</td>
<td>SH3</td>
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<td>hand dump &amp; shovel</td>
<td>200</td>
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<td>0.0005</td>
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<td>1.23E-03</td>
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<td>PMT4</td>
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<td>0.8294</td>
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<td>FKWH4</td>
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<td>3.75E-04</td>
<td>1.64E-03</td>
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<td>Mogul 4 - Starch hopper</td>
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<td>hand dump &amp; shovel</td>
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<td>0.8294</td>
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<td>3.75E-04</td>
<td>1.64E-03</td>
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</tr>
<tr>
<td></td>
<td>Mogul 5 - Starch hopper</td>
<td>SH5</td>
<td>1</td>
<td>hand dump &amp; shovel</td>
<td>200</td>
<td>0.10</td>
<td>0.0005</td>
<td>2.19E-03</td>
<td>1.23E-03</td>
</tr>
<tr>
<td>Gummi Line 6</td>
<td>Kitchen 6 - Pre-mix Tank</td>
<td>PMT6</td>
<td>1</td>
<td>automated</td>
<td>2,900</td>
<td>1.45</td>
<td>0.8294</td>
<td>3.63</td>
<td>0.99</td>
</tr>
<tr>
<td></td>
<td>Kitchen 6 - Flavor Kettle Weigh Hopper</td>
<td>FKWH6</td>
<td>1</td>
<td>automated</td>
<td>150</td>
<td>0.08</td>
<td>3.75E-04</td>
<td>1.64E-03</td>
<td>3.90E-04</td>
</tr>
<tr>
<td></td>
<td>Mogul 6 - Starch hopper</td>
<td>SH6</td>
<td>1</td>
<td>hand dump &amp; shovel</td>
<td>200</td>
<td>0.10</td>
<td>0.0005</td>
<td>2.19E-03</td>
<td>1.23E-03</td>
</tr>
<tr>
<td>Gummi Finishing</td>
<td>Sanding tumblers</td>
<td>Stublrs</td>
<td>6</td>
<td>hand dump</td>
<td>4,640</td>
<td>2.32</td>
<td>0.0049</td>
<td>2.13E-02</td>
<td>1.01E-02</td>
</tr>
</tbody>
</table>

**Notes**

No dry ingredients are added at the flavor kettles (#1 - #18).

* No emission factors exist for the storage and handling of food-based raw materials/ingredients. Therefore, to form a conservative estimate, the following AP-42 Emission Factors have been used:

<table>
<thead>
<tr>
<th>Source Classification Code (SCC)</th>
<th>Associated Process</th>
<th>Emission Factor (lbs/ton)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-05-011-09</td>
<td>Mixer Loading</td>
<td>0.072</td>
</tr>
<tr>
<td>3-05-011-08</td>
<td>Weigh hopper Loading</td>
<td>0.0005</td>
</tr>
<tr>
<td>3-05-011-05</td>
<td>Sand Transfer</td>
<td>0.0021</td>
</tr>
</tbody>
</table>

** The High Shear Tank and sanding tumblers are each equipped with a hood and duct work that vents to the scrap dust collector. Additionally, the Mogul Starch Hoppers are each equipped with a hood and duct work that vents to the starch reclaim collectors.

*** In the absence of valid PM2.5 emission factors, it is assumed that PM2.5 emissions are equal to PM10 emissions.

**Methodology**  
Potential Raw Material/Dry Ingredient Throughput (tons/hr) = [Potential Raw Material/Dry Ingredient Throughput (lbs/hr)] * [1 ton/2000 lbs]
Uncontrolled PTE (lbs/hour) = [Potential Raw Material/Dry Ingredient Throughput (tons/hr)] * [Emission Factor (lbs/ton)]
Uncontrolled PTE (tons/year) = [Uncontrolled PTE (lbs/hour)] / [2000 lbs/ton]
## Volatile Organic Compound (VOC) Emissions From Flavoring Usage

### Company Name: Albanese Confectionery Group, Inc.
**Source Address:** 5441 E Lincoln Hwy, Merrillville, IN 46410
**Source Modification Number:** 089-41447-00006
**Permit Modification Number:** 089-41625-00006  
**Reviewer:** Natalie Moore

### Process Area | Maximum Flavoring Usage (lbs/hr) | Weight % Volatiles | VOC Emissions (lbs/hr) | VOC Emissions (ton/yr) | Control Efficiency | Controlled VOC Emissions (lbs/hr) | Controlled VOC Emissions (tons/yr) |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gummi Line 1</td>
<td>63</td>
<td>97.8%</td>
<td>61.61</td>
<td>269.87</td>
<td>0.00%</td>
<td>61.61</td>
<td>269.87</td>
</tr>
<tr>
<td>Gummi Line 2</td>
<td>63</td>
<td>87.0%</td>
<td>54.81</td>
<td>240.07</td>
<td>0.00%</td>
<td>54.81</td>
<td>240.07</td>
</tr>
<tr>
<td>Gummi Line 3</td>
<td>90</td>
<td>87.0%</td>
<td>78.30</td>
<td>342.95</td>
<td>76.33%</td>
<td>18.54</td>
<td>81.19</td>
</tr>
<tr>
<td>Gummi Line 4</td>
<td>90</td>
<td>87.0%</td>
<td>78.30</td>
<td>342.95</td>
<td>76.33%</td>
<td>18.54</td>
<td>81.19</td>
</tr>
<tr>
<td>Gummi Line 5</td>
<td>90</td>
<td>87.0%</td>
<td>78.30</td>
<td>342.95</td>
<td>76.33%</td>
<td>18.54</td>
<td>81.19</td>
</tr>
<tr>
<td>Gummi Line 6</td>
<td>90</td>
<td>87.0%</td>
<td>78.30</td>
<td>342.95</td>
<td>76.33%</td>
<td>18.54</td>
<td>81.19</td>
</tr>
<tr>
<td><strong>Potential VOC Emissions:</strong></td>
<td><strong>429.62</strong></td>
<td></td>
<td><strong>1881.75</strong></td>
<td></td>
<td></td>
<td><strong>190.57</strong></td>
<td><strong>834.69</strong></td>
</tr>
</tbody>
</table>

### NOTES
- Flavorings are only added at the flavor kettles (#1 - #36).
- 1. The flavorings used in the Gummi manufacturing operations are liquid in nature and added via flow. Particulate emissions are assumed negligible.
- 2. To form a conservative estimate, the Maximum Flavoring Usage (lbs/hr) is the worst-case hourly flavoring usage rate (the flavoring hourly rate varies by flavoring).
- 3. Some special flavorings are only used on Line 1; therefore, the maximum VOC content is different for Line 1.
- 4. Gummi Lines 3 through 6 are controlled by an RTO with a combined capture and control efficiency of 76.33%.

### METHODOLOGY
- VOC Emission rate (lbs/hr) = [Maximum Flavoring Usage (lbs/hr) * Weight % Volatiles]
- VOC Emission rate (tons/yr) = [VOC Emission rate (lbs/hr) * 8760 hrs/yr * 1 ton/2000 lbs]
### Appendix A: Emissions Calculations

**Particulate (PM/PM10/PM2.5) Emissions from Mogul Lines - Starch Molding and Reconditioning**

**Company Name:** Albanese Confectionery Group, Inc.

**Source Address:** 5441 E Lincoln Hwy, Merrillville, IN 46410

**Source Modification Number:** 089-41447-00006

**Permit Modification Number:** 089-41625-00006

**Reviewer:** Natalie Moore

#### Emission Unit | Unit ID | Process | Maximum Production Rate (lbs starch/hr) | Emission Rate (lb/lb of Starch)* | Uncontrolled PTE of PM (lbs/hour)** | Uncontrolled PTE of PM (tons/yr)** | Control Device ID | Control Efficiency | Controlled PTE of PM (lbs/hour)** | Controlled PTE of PM (tons/yr)**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Mogul Line 1 | EU1 | Starch Molding | 15,000 | 8.85E-06 | 13.28 | 58.14 | Starch RC1 | 99% | 0.13 | 0.58
 | Starch Reconditioning | 15,000 | 3.66E-05 | 54.90 | 240.46 | Starch DC1 | 99% | 0.55 | 2.40
Mogul Line 2 | EU2 | Starch Molding | 15,000 | 8.85E-06 | 13.28 | 58.14 | Starch RC2 | 99% | 0.13 | 0.58
 | Starch Reconditioning | 15,000 | 3.66E-05 | 54.90 | 240.46 | Starch DC2 | 99% | 0.55 | 2.40
Mogul Line 3 | EU4 | Starch Molding | 20,000 | 8.85E-06 | 17.70 | 77.53 | Starch RC3 | 99% | 0.18 | 0.78
 | Starch Reconditioning | 20,000 | 3.66E-05 | 73.20 | 320.62 | Starch DC3 | 99% | 0.73 | 3.21
Mogul Line 4 | EU5 | Starch Molding | 20,000 | 8.85E-06 | 17.70 | 77.53 | Starch RC4 | 99% | 0.18 | 0.78
 | Starch Reconditioning | 20,000 | 3.66E-05 | 73.20 | 320.62 | Starch DC4 | 99% | 0.73 | 3.21
Mogul Line 5 | EU6 | Starch Molding | 20,000 | 8.85E-06 | 17.70 | 77.53 | Starch RC5 | 99% | 0.18 | 0.78
 | Starch Reconditioning | 20,000 | 3.66E-05 | 73.20 | 320.62 | Starch DC5 | 99% | 0.73 | 3.21
Mogul Line 6 | EU7 | Starch Molding | 20,000 | 8.85E-06 | 17.70 | 77.53 | Starch RC6 | 99% | 0.18 | 0.78
 | Starch Reconditioning | 20,000 | 3.66E-05 | 73.20 | 320.62 | Starch DC6 | 99% | 0.73 | 3.21

**Totals** | | | 499.95 | 2,189.78 | | 5.00 | 21.90

**Notes**

* The emission factor for the starch molding is from the emission test on the Mogul Line 3 RC3 Collector, tested on July 19, 2016, VFC #80370986. The emission factor for the starch reconditioning is from the emission test on the Mogul Starch Reconditioning System DC2, tested on February 18, 2016, VFC #80333903.

**Methodology**

Max Production Rate (lbs starch/hr) provided by the source.

\[
\text{Emission Rate (lb/lb of Starch)} = \frac{\text{source-specific emission rate (lb/lb)}}{\text{(see note above)}}
\]

\[
\text{Uncontrolled PTE (lbs/hour)} = \left[\text{Max Production Rate (lbs starch/hr)} \times \frac{\text{Emission Rate (lb/lb of Starch)}}{\text{tons/yr}}\right]
\]

\[
\text{Uncontrolled PTE (tons/yr)} = \frac{\text{Uncontrolled PTE (lbs/hour)}}{\text{8760 hours/year}} \times \frac{\text{2000 lbs/ton}}{\text{Control efficiency}}
\]

\[
\text{Controlled PTE (tons/yr)} = \frac{\text{Controlled PTE (lbs/hour)}}{\text{8760 hours/year}} \times \frac{\text{2000 lbs/ton}}{\text{1 - Control Efficiency}}
\]

**In the absence of valid PM10 and PM2.5 emission factors, it is assumed that PM10 and PM2.5 emissions are equal to PM emissions.**
Appendix A: Emissions Calculations
Indirect-fired Unit Combustion Emissions
Lochinvar Melting Boilers # 1 & 2
Natural Gas Combustion Only
MMBtu/hr <100

Company Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410
Source Modification Number: 089-41447-00006
Permit Modification Number: 089-41625-00006
Reviewer: Natalie Moore

<table>
<thead>
<tr>
<th>Heat Input Capacity</th>
<th>HHV</th>
<th>Potential Throughput</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMBtu/hr</td>
<td>mmBtu</td>
<td>MMCF/yr</td>
</tr>
<tr>
<td>0.42</td>
<td>1020</td>
<td>3.6</td>
</tr>
</tbody>
</table>

(2 @ 210,000 btu/hr)

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emission Factor in lb/MMCF</th>
<th>Potential Emission in tons/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM*</td>
<td>1.9</td>
<td>3.43E-03</td>
</tr>
<tr>
<td>PM10*</td>
<td>7.6</td>
<td>0.014</td>
</tr>
<tr>
<td>direct PM2.5*</td>
<td>7.6</td>
<td>0.014</td>
</tr>
<tr>
<td>SO2</td>
<td>0.6</td>
<td>1.08E-03</td>
</tr>
<tr>
<td>NOx</td>
<td>100</td>
<td>0.18</td>
</tr>
<tr>
<td>VOC</td>
<td>5.5</td>
<td>9.92E-03</td>
</tr>
<tr>
<td>CO</td>
<td>84</td>
<td>0.15</td>
</tr>
</tbody>
</table>

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
PM2.5 emission factor is filterable and condensable PM2.5 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Hazardous Air Pollutants (HAPs)

<table>
<thead>
<tr>
<th>HAPs - Organics</th>
<th>Emission Factor in lb/MMcf</th>
<th>Potential Emission in tons/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>2.1E-03</td>
<td>3.79E-06</td>
</tr>
<tr>
<td>Dichlorobenzene</td>
<td>1.2E-03</td>
<td>2.16E-06</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>7.5E-02</td>
<td>1.35E-04</td>
</tr>
<tr>
<td>Hexane</td>
<td>1.8E+00</td>
<td>3.25E-03</td>
</tr>
<tr>
<td>Toluene</td>
<td>3.4E-03</td>
<td>6.13E-06</td>
</tr>
<tr>
<td>Total Organics</td>
<td></td>
<td>3.39E-03</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAPs - Metals</th>
<th>Emission Factor in lb/MMcf</th>
<th>Potential Emission in tons/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>5.0E-04</td>
<td>9.02E-07</td>
</tr>
<tr>
<td>Cadmium</td>
<td>1.1E-03</td>
<td>1.98E-06</td>
</tr>
<tr>
<td>Chromium</td>
<td>1.4E-03</td>
<td>2.52E-06</td>
</tr>
<tr>
<td>Manganese</td>
<td>3.8E-04</td>
<td>6.85E-07</td>
</tr>
<tr>
<td>Nickel</td>
<td>2.1E-03</td>
<td>3.79E-06</td>
</tr>
<tr>
<td>Total Metals</td>
<td></td>
<td>9.88E-06</td>
</tr>
</tbody>
</table>

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Methodology
All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
Appendix A: Emissions Calculations
Volatile Organic Compound (VOC) Emissions
From the Chocolate Polishing Process

Company Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410
Source Modification Number: 089-41447-00006
Permit Modification Number: 089-41625-00006
Reviewer: Natalie Moore

<table>
<thead>
<tr>
<th>Material Used</th>
<th>Maximum Material Usage (grams/hr)</th>
<th>Maximum Material Usage (lb/hr)</th>
<th>Weight % VOC Content of the polish</th>
<th>PTE of VOC (lbs/hour)</th>
<th>PTE VOC (tons/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polish #1</td>
<td>2,700</td>
<td>5.95</td>
<td>5%</td>
<td>0.30</td>
<td>1.30</td>
</tr>
<tr>
<td>Polish #2</td>
<td>1,800</td>
<td>3.97</td>
<td>65%</td>
<td>2.58</td>
<td>11.30</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>9.92</strong></td>
<td><strong>70%</strong></td>
<td></td>
<td><strong>2.88</strong></td>
<td><strong>12.60</strong></td>
</tr>
</tbody>
</table>

**Notes**
- Total emissions based on rated capacity at 8,760 hours/year.
- Based on information submitted by the source, particulate emissions from the chocolate coating process have been determined negligible.
- The polishing operation is a batch process, which takes 20 minutes for candy, and 3-10 minutes for nuts, to complete.
- The source can process a maximum of 40 batches per workday.
- Maximum Material Usage provided by the source as grams/hr. This has been converted to lbs/hr.
- Constants: 1 gram = 2.205x10^{-3} lbs
  - The density of water is 8.4 lbs/gal, and the specific gravity is 1.0.
- Specific Gravity (lb/gal) and Weight % VOC Content obtained from product MSDS sheets.
- The polishing agents used in this process are in liquid form and are applied using flow coating. Particulate emissions are assumed negligible.
- The liquid polishing agents used in this process are HAP-Free.

**Methodology**
- Maximum Material Usage (lbs/hr) = [(Maximum Material Usage (grams/hr) * Constant (2.205x10^{-3} lbs/gram))
- VOC PTE (lbs/hr) = [Maximum Material Usage (lbs/hr) * Weight % VOC Content of the polish]
- VOC PTE (tons/yr) = [VOC PTE (lbs/hr) * 8760 hrs/yr * 1 ton/2000 lbs]
## Appendix A: Emissions Calculations

### Particulate (PM/PM10/PM2.5) and Volatile Organic Compound (VOC) Emissions from the Nut Roasting Process

**Company Name:** Albanese Confectionery Group, Inc.  
**Source Address:** 5441 E Lincoln Hwy, Merrillville, IN 46410  
**Source Modification Number:** 089-41447-00006  
**Permit Modification Number:** 089-41625-00006  
**Reviewer:** Natalie Moore

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Maximum Throughput Capacity of Nut Roaster (lbs nuts/hr)</th>
<th>PM*</th>
<th>Potential Emissions (lbs/hr)</th>
<th>Potential Emissions (tons/yr)</th>
<th>PM10/PM2.5*</th>
<th>Potential Emissions (lbs/hr)</th>
<th>Potential Emissions (tons/yr)</th>
<th>VOC**</th>
<th>Potential Emissions (lbs/hr)</th>
<th>Potential Emissions (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nut Roaster</td>
<td>333.33</td>
<td>0.28</td>
<td>0.05</td>
<td>0.20</td>
<td>0.40</td>
<td>0.29</td>
<td>0.63</td>
<td></td>
<td>0.86</td>
<td>0.14</td>
</tr>
</tbody>
</table>

**Notes**
- Total emissions based on rated capacity at 8,760 hours/year.
- The nut roasting operation is a batch process, which takes 36 minutes to complete.
- The source can process a maximum of 40 batches per workday (Daily Maximum Capacity).
- Maximum Batch Weight = 200 lbs.
- Source has reported the annual operating schedule as 24 hrs/day, 5 days/week, and 49 weeks/yr, which is equivalent to 120 hrs/week and 5,880 hrs/yr.

- AP 42 - 9.10.2.1 (Almond Processing), Section 9.10.2.1.3 Emissions And Controls, the dialogue on page 9.10.2.1-5 states that "almond roasting is a potential source of volatile organic compound (VOC) emissions. However, no chemical characterization data are available to hypothesize what compounds might be emitted, and no emission source test data are available to quantify these potential emissions." Additionally, Table 9.10.2.1-1 Emission Factors For Almond Processing, note (a), indicates that no data was available to characterize particulate emissions from almond roasting (page 9.10.2.1-6).

- AP 42 - 9.10.2.2 (Peanut Processing), Section 9.10.2.2.3 (Emissions And Controls) states that "No information is currently available on emissions or emission control devices for the peanut processing industry. However, the similarities of some of the processes to those in the almond processing industry make it is reasonable to assume that emissions would be comparable. No data are available, however, to make any comparisons about relative quantities of these emissions".

- * AP 42 Emission Factors for Snack Chip Deep Fat Frying (AP 42-9.13.3) have been used to form a conservative estimate of particulate emissions. PM emission factor is filterable PM only. PM10/PM2.5 emission factor is filterable and condensable PM combined.

- ** AP 42 Emission Factors for Coffee Roasting (AP 42-9.13.2) have been used to form a conservative estimate of VOC emissions.

**Methodology**

\[
\text{Maximum Throughput Capacity (lbs/hr)} = [(\text{Daily Maximum Capacity (Batches/day)} \times 1 \text{day/24 hrs}) \times \text{Maximum Batch weight (lbs/batch)}]
\]

\[
\text{Potential Emissions (lbs/hour)} = [(\text{Maximum Throughput Capacity of Nut Roaster (lbs nuts/hr)} \times 1 \text{ton/2000 lbs}) \times \text{VOC Emission Factor (lbs/ton)}]
\]

\[
\text{Potential Emissions (tons/yr)} = [(\text{VOC Potential Emissions (lbs/hour)} \times 8760 \text{ hrs/yr}) \times 1 \text{ton/2000 lbs}]
\]
Appendix A: Emissions Calculations
Nut Roaster Combustion Emissions
Natural Gas Combustion Only
MM BTU/HR <100

Company Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410
Source Modification Number: 089-41447-00006
Permit Modification Number: 089-41625-00006
Reviewer: Natalie Moore

Heat Input Capacity

<table>
<thead>
<tr>
<th>MM Btu/hr</th>
<th>MMCF/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.30</td>
<td>1020</td>
</tr>
</tbody>
</table>

Potential Throughput

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emission Factor in lb/MMCF</th>
<th>Potential Emission in tons/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM*</td>
<td>1.9</td>
<td>2.45E-03</td>
</tr>
<tr>
<td>PM10*</td>
<td>7.6</td>
<td>9.79E-03</td>
</tr>
<tr>
<td>direct PM2.5*</td>
<td>7.6</td>
<td>9.79E-03</td>
</tr>
<tr>
<td>SO2</td>
<td>0.6</td>
<td>7.73E-04</td>
</tr>
<tr>
<td>NOx</td>
<td>100</td>
<td>0.13</td>
</tr>
<tr>
<td>VOC</td>
<td>5.5</td>
<td>7.09E-03</td>
</tr>
<tr>
<td>CO</td>
<td>84</td>
<td>0.11</td>
</tr>
</tbody>
</table>

**see below

- PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
- PM2.5 emission factor is filterable and condensable PM2.5 combined.
- Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Hazardous Air Pollutants (HAPs)

Hazardous Air Pollutants (HAPs) - Organics

<table>
<thead>
<tr>
<th>Emission Factor in lb/MMcf</th>
<th>Benzene</th>
<th>Dichlorobenzene</th>
<th>Formaldehyde</th>
<th>Hexane</th>
<th>Toluene</th>
<th>Total - Organics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emission Factor in tons/yr</td>
<td>2.1E-03</td>
<td>1.2E-03</td>
<td>7.5E-02</td>
<td>1.8E+00</td>
<td>3.4E-03</td>
<td>2.42E-03</td>
</tr>
</tbody>
</table>

Hazardous Air Pollutants (HAPs) - Metals

<table>
<thead>
<tr>
<th>Emission Factor in lb/MMcf</th>
<th>Lead</th>
<th>Cadmium</th>
<th>Chromium</th>
<th>Manganese</th>
<th>Nickel</th>
<th>Total - Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emission Factor in tons/yr</td>
<td>5.0E-04</td>
<td>1.1E-03</td>
<td>1.4E-03</td>
<td>3.8E-04</td>
<td>2.1E-03</td>
<td>7.06E-06</td>
</tr>
</tbody>
</table>

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Methodology
All emission factors are based on normal firing.

- MMBtu = 1,000,000 Btu
- MMCF = 1,000,000 Cubic Feet of Gas
- Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
- Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
- Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
Appendix A: Emission Calculations
Volatile Organic Compound (VOC) and Hazardous Air Pollutants (HAPs) Emissions From Package/Label Marking (Inkjet Printers)

Company Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410
Source Modification Number: 089-41447-00006
Permit Modification Number: 089-41625-00006
Reviewer: Natalie Moore

<table>
<thead>
<tr>
<th>Material</th>
<th>Density (lb/gal)</th>
<th>Actual Material Usage (gal/yr)</th>
<th>Estimated Annual Hours of Operation (hrs/yr)</th>
<th>Maximum Material Usage (lbs/hr)</th>
<th>Weight % VOC Content</th>
<th>Potential VOC Emissions (lb/hr)</th>
<th>Potential VOC Emissions (lbs/day)</th>
<th>Potential VOC Emissions (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ink</td>
<td>7.34</td>
<td>100</td>
<td>5,880</td>
<td>0.12</td>
<td>7%</td>
<td>0.009</td>
<td>0.21</td>
<td>0.038</td>
</tr>
<tr>
<td>Ink thinner</td>
<td>7.50</td>
<td>39.00</td>
<td>5,880</td>
<td>0.050</td>
<td>100%</td>
<td>0.05</td>
<td>1.19</td>
<td>0.22</td>
</tr>
</tbody>
</table>

Notes:
- Constant: The density of water is 8.343 lbs/gal @ 50 °F, and the specific gravity is 1.0.
- Actual Material Usage and Estimated Annual Hours of Operation were provided by the source.
  - Actual Usage provided by source, represents actual usage for 2014 as 100 cans of thinner per year at 0.39 quarts/can.
  - Source has reported the annual operating schedule as 24 hrs/day * 5 days/week = 120 hrs/week * 49 weeks/yr = 5,880 hrs/yr
  - Original material usage from 2014 was based on the production rates of Lines 1 & 2. Current material usage represents a 400% increase in original production rate
- VOC Contents of ink and thinner obtained from product MSDS sheet. Both the ink and thinner are HAP-Free.
- Source has indicated that this is is an inkjet printing operation with no overspray; therefore the transfer efficiency is assumed to be 100% and particulate emissions are assumed negligible.

Methodology:
- Density (lb/gal) = Specific Gravity of Material * Density of Water (lb/gal)
- Actual Ink Usage (gal/yr) = Actual Ink Thinner Usage (gal/yr) = [100 cans/yr * 0.39 quarts/can * 1 gal/4 quarts]
- Maximum Material Usage (lbs/hr) = [(Density (lbs/gal) * Actual Material Usage (gal/yr)) / (Estimated Annual Hours of Operation (hrs/year))]}
- Potential VOC Emissions (lb/hr) = [Maximum Material Usage (lbs/hr) * Weight % VOC Content]
- Potential VOC Emissions (lb/day) = [Potential VOC Emissions (lb/hr) * 24 hrs]
- Potential VOC Emissions (tons/yr) = [Potential VOC Emissions (lb/hr) * 8760 hrs/yr * 1 ton / 2,000 lbs]
Appendix A: Emissions Calculations

Indirect-fired Unit Combustion Emissions
Natural Gas Combustion Only

<table>
<thead>
<tr>
<th>Combustion Source</th>
<th>Max. Heat Input per unit (MMBtu/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muira Boiler 2</td>
<td>5.88</td>
</tr>
<tr>
<td>State 75gal. Water Heater 1</td>
<td>0.08</td>
</tr>
<tr>
<td>State 75gal. Water Heater 2</td>
<td>0.08</td>
</tr>
<tr>
<td>Boiler #3</td>
<td>11.54</td>
</tr>
<tr>
<td>Boiler #4</td>
<td>11.54</td>
</tr>
<tr>
<td>Boiler #5</td>
<td>11.54</td>
</tr>
<tr>
<td>Boiler #6</td>
<td>11.54</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>52.20</strong></td>
</tr>
</tbody>
</table>

Company Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410
Source Modification Number: 089-41447-00006
Permit Modification Number: 089-41625-00006
Reviewer: Natalie Moore

<table>
<thead>
<tr>
<th>Heat Input Capacity</th>
<th>HHV</th>
<th>Potential Throughput</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMBtu/hr</td>
<td></td>
<td>MMCF/yr</td>
</tr>
<tr>
<td>52.20</td>
<td></td>
<td>1020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emission Factor in lb/MMCF</th>
<th>Potential Emission in tons/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM*</td>
<td>1.9</td>
<td>0.43</td>
</tr>
<tr>
<td>PM10*</td>
<td>7.6</td>
<td>1.70</td>
</tr>
<tr>
<td>direct PM2.5*</td>
<td>7.6</td>
<td>0.13</td>
</tr>
<tr>
<td>SO2</td>
<td>0.6</td>
<td>22.42</td>
</tr>
<tr>
<td>NOx</td>
<td>100</td>
<td>1.23</td>
</tr>
<tr>
<td>VOC</td>
<td>5.5</td>
<td>18.83</td>
</tr>
<tr>
<td>CO</td>
<td>84</td>
<td><strong>see below</strong></td>
</tr>
</tbody>
</table>

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined. PM2.5 emission factor is filterable and condensable PM2.5 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Hazardous Air Pollutants (HAPs)

<table>
<thead>
<tr>
<th>Hazardous Air Pollutants (HAPs) - Organics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emission Factor in lb/MMcf</td>
</tr>
<tr>
<td>Benzene</td>
</tr>
<tr>
<td>Dichlorobenzene</td>
</tr>
<tr>
<td>Formaldehyde</td>
</tr>
<tr>
<td>Hexane</td>
</tr>
<tr>
<td>Toluene</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Air Pollutants (HAPs) - Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emission Factor in lb/MMcf</td>
</tr>
<tr>
<td>Lead</td>
</tr>
<tr>
<td>Cadmium</td>
</tr>
<tr>
<td>Chromium</td>
</tr>
<tr>
<td>Manganese</td>
</tr>
<tr>
<td>Nickel</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

The five highest organic and metal HAPs emission factors are provided above.

Methodology
All emission factors are based on normal firing.

**Methodology continued**

Additional HAPs emission factors are available in AP-42, Chapter 1.4.
## Appendix A: Emissions Calculations

### Direct-fired Unit Combustion Emissions

**Natural Gas Combustion Only**

**MMBtu/hr <100**

<table>
<thead>
<tr>
<th>Combustion Source</th>
<th># of units</th>
<th>Max. Heat Input per unit (MMBtu/hr)</th>
<th>Total Heat Input (MMBtu/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-Ton Trane RTU</td>
<td>4</td>
<td>0.400</td>
<td>1.60</td>
</tr>
<tr>
<td>25-Ton Trane RTU</td>
<td>18</td>
<td>0.250</td>
<td>4.50</td>
</tr>
<tr>
<td>17.5-Ton Trane RTU</td>
<td>1</td>
<td>0.350</td>
<td>0.35</td>
</tr>
<tr>
<td>10-Ton Trane RTU</td>
<td>1</td>
<td>0.250</td>
<td>0.25</td>
</tr>
<tr>
<td>7.5-Ton Trane RTU</td>
<td>2</td>
<td>0.120</td>
<td>0.24</td>
</tr>
<tr>
<td>5-Ton Aaon RTU</td>
<td>1</td>
<td>0.180</td>
<td>0.18</td>
</tr>
<tr>
<td>4-Ton Trane RTU</td>
<td>1</td>
<td>0.080</td>
<td>0.08</td>
</tr>
<tr>
<td>Cambridge Make-up Air</td>
<td>1</td>
<td>0.770</td>
<td>0.77</td>
</tr>
<tr>
<td>RTO-1</td>
<td>1</td>
<td>1.000</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
<td><strong>9.07</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Emission Factors

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emission Factor in lb/MMCF</th>
<th>Potential Emission in tons/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PM</strong></td>
<td>1.9</td>
<td>0.07</td>
</tr>
<tr>
<td><strong>PM10</strong></td>
<td>7.6</td>
<td>0.30</td>
</tr>
<tr>
<td><strong>direct PM2.5</strong></td>
<td>7.6</td>
<td>0.30</td>
</tr>
<tr>
<td><strong>SO2</strong></td>
<td>0.6</td>
<td>0.02</td>
</tr>
<tr>
<td><strong>NOx</strong></td>
<td>100</td>
<td>3.89</td>
</tr>
<tr>
<td><strong>VOC</strong></td>
<td>5.5</td>
<td>0.21</td>
</tr>
<tr>
<td><strong>CO</strong></td>
<td>84</td>
<td>3.27</td>
</tr>
</tbody>
</table>

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined. PM2.5 emission factor is filterable and condensable PM2.5 combined.*

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32**

### Hazardous Air Pollutants (HAPs)

#### Organics

<table>
<thead>
<tr>
<th>Emission Factor in lb/MMcf</th>
<th>Total Organics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous Air Pollutants (HAPs) - Organics</td>
<td>0.073</td>
</tr>
</tbody>
</table>

#### Metals

<table>
<thead>
<tr>
<th>Emission Factor in lb/MMcf</th>
<th>Total Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous Air Pollutants (HAPs) - Metals</td>
<td>2.13E-04</td>
</tr>
</tbody>
</table>

The five highest organic and metal HAPs emission factors are provided above. Additional HAPs emission factors are available in AP-42, Chapter 1.4.

### Methodology

- All emission factors are based on normal firing.
- MMBtu = 1,000,000 Btu
- MMCF = 1,000,000 Cubic Feet of Gas
- Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
- Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
- Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
### Solvent Used

<table>
<thead>
<tr>
<th>Solvent Used</th>
<th>VOC content of Solvent (Density) (lbs/gal)</th>
<th>Annual Material Usage (replacement volume) (gal/yr)</th>
<th>Estimated Annual Hours of Operation (hrs/yr)</th>
<th>Maximum Material Usage (lbs/hr)</th>
<th>Weight % VOCs</th>
<th>VOC PTE (lbs/hr)</th>
<th>VOC PTE (tons/year)</th>
<th>Weight % Toluene</th>
<th>Toluene Emissions (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Kleen Premium Gold Solvent</td>
<td>6.70</td>
<td>20.0</td>
<td>4,800</td>
<td>0.03</td>
<td>100%</td>
<td>0.03</td>
<td>0.12</td>
<td>0.10%</td>
<td>1.22E-04</td>
</tr>
</tbody>
</table>

**Notes**
- Total emissions based on rated capacity at 8,760 hours/year.
- Solvent is applied using flow coating methods, therefore particulate emissions are assumed negligible.
- Annual Material Usage and Estimated Annual Hours of Operation were provided by the source.
- Material Density and VOC Content (weight %) obtained from product MSDS sheets, where applicable, else from the source.
- The Safety Kleen Premium Gold Solvent consists of 100% petroleum distillates, hydrotreated light (CAS 64742-47-8), which contain 0.1% toluene. Reference: Table 1. Default Organic HAP Mass Fraction for Solvents and Solvent Blends (Source: 40 CFR 63).

**Methodology**
- Maximum Material Usage (lbs/hr) = \( \frac{(\text{VOC Content (lbs/gal)} \times \text{Annual Material Usage (gal/yr)})}{(\text{Estimated Annual Hours of Operation (hrs/year)})} \)
- VOC PTE (lbs/hr) = \( \frac{(\text{Maximum Material Usage (lbs/hr)} \times \text{Weight % VOCs})}{\text{Estimated Annual Hours of Operation (hrs/year)}} \)
- VOC PTE (tons/year) = \( \frac{(\text{VOC PTE (lbs/hr)} \times 8760 \text{ hrs/yr} \times 1 \text{ ton/2000 lbs})}{\text{Weight % VOCs}} \)
- HAPs PTE (tons/year) = \( \frac{(\text{Maximum Material Usage (lbs/hr)} \times \text{Weight % HAP} \times 8760 \text{ hrs/yr} \times 1 \text{ ton/2000 lbs})}{\text{Weight % HAP} \times \text{Estimated Annual Hours of Operation (hrs/year)}} \)
### Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

#### Vehicle Information (provided by source)

<table>
<thead>
<tr>
<th>Type</th>
<th>Maximum one-way trips per day</th>
<th>Number of one-way trips per vehicle</th>
<th>Maximum trips per day (trip/day)</th>
<th>Maximum Weight Loaded (lbs/trip)</th>
<th>Maximum one-way distance (feet/trip)</th>
<th>Maximum one-way distance (miles/day)</th>
<th>Maximum one-way distance (miles/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semi/Tanker Truck (leaving plant)</td>
<td>40</td>
<td>1.0</td>
<td>40</td>
<td>10.0</td>
<td>1600</td>
<td>600</td>
<td>6000</td>
</tr>
<tr>
<td>Employee vehicle (entering plant)</td>
<td>400</td>
<td>1.0</td>
<td>400</td>
<td>2.0</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Semi/Tanker Truck (entering plant)</td>
<td>40</td>
<td>1.0</td>
<td>40</td>
<td>2.0</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Semi/Tanker Truck (leaving plant)</td>
<td>40</td>
<td>1.0</td>
<td>40</td>
<td>2.0</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Employee vehicle (entering plant)</td>
<td>400</td>
<td>1.0</td>
<td>400</td>
<td>2.0</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Semi/Tanker Truck (leaving plant)</td>
<td>40</td>
<td>1.0</td>
<td>40</td>
<td>2.0</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
</tbody>
</table>

#### Methodology

**Equations**

- \[ \text{PTE} = \frac{\text{Weight driven per day (ton/day)}}{\text{Miles driven per day (miles/day)}} \]
- \[ \text{Weight driven per day (ton/day)} = \text{Maximum one-way weight (provided by source)} \]
- \[ \text{Miles driven per day (miles/day)} = \text{Maximum one-way distance (mi/trip)} \]
- \[ \text{Average Vehicle Weight Per Trip} = \frac{\text{Total Weight driven per hour (ton/yr)}}{\text{Maximum one-way trips per year (trip/day)}} \]
- \[ \text{Average Miles Per Trip} = \frac{\text{Maximum one-way miles (miles/yr)}}{\text{Maximum one-way trips per year (trip/day)}} \]

**Abbreviations**

- PM: Particulate Matter
- PM10: PM particle size multiplier
- PM2.5: PM particle size multiplier
- Eext: Mitigated Emission Factor
- Ef: Unmitigated Emission Factor
- TSM: Total Suspended Matter
- PM: PM particle size multiplier
- W: Average vehicle weight
- sL: Average Vehicle Weight Per Trip
- N: Number of days
- k: Dust Control Efficiency

**Additional Calculations**

- \[ \text{Unmitigated PTE of PM} = \text{Maximum one-way weight (tons/day)} \]
- \[ \text{Mitigated PTE of PM} = \text{Mitigated one-way weight (tons/day)} \]
- \[ \text{Controlled PTE of PM} = \text{Controlled one-way weight (tons/day)} \]

**Totals**

- Unmitigated PTE of PM (tons/yr): 7.42
- Mitigated PTE of PM (tons/yr): 0.14
- Controlled PTE of PM (tons/yr): 0.01

**Reviews**

- Reviewer: Natalie Moore

---

*Company Name: Albanese Confectionery Group, Inc.*
*Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410*
*Source Modification Number: 089-41447-00006*
*Permit Modification Number: 089-41625-00006*
*Reviewer: Natalie Moore*
Exempt Activities

Company Name: Albanese Confectionery Group, Inc.
Source Address: 5441 E Lincoln Hwy, Merrillville, IN 46410
Source Modification Number: 089-41447-00006
Permit Modification Number: 089-41625-00006
Reviewer: Natalie Moore

The potential to emit criteria and hazardous air pollutants is assumed negligible for each of the following:

1. Completely enclosed screw conveyors/augers, used to transport dry ingredients and starch.
2. Dry ingredient and minor ingredient storage, including:
   - (A) Super Sack® bulk bags, pallet totes, and 50 lb bags of dry ingredients; and
   - (B) Smaller bags and containers of minor ingredients.
3. Storage tanks, vessels, and containers holding or storing liquid substances that do not contain any VOC or HAP, including:
   - (A) Two (2) 12,000 gallon liquid corn syrup tanks.
   - (B) Three (3) 24,000 gallon liquid corn syrup tanks.
   - (C) One (1) 6,000 gallon liquid sugar-free syrup tank (SfST).
   - (D) One (1) 150 gallon mixing vessel, identified as gelatin hydration tank (GHT).
   - (E) One (1) 150 gallon mixing vessel, identified as High Shear Tank (HiShTk), for mixing special order recipes.
   - (F) Six (6) 200 gallon mixing vessels, identified as Pre-Mix Tank (PMT1) through Pre-Mix Tank (PMT6) for mixing the basic gummi recipe.
   - (G) Six (6) 200 gallon storage kettles, identified as buffer tank 1 (BT1) through buffer tank (BT6).
   - (H) Six (6) 150 gallon vacuum tanks, identified as vacuumizer tank 1 (VT1) through vacuumizer tank 6 (VT6); and
   - (I) One (1) 150 gallon holding tank, identified as Surge Tank (ST).
4. Starch storage, including Super Sack® bulk bags, pallet totes, and 50 lb bags;
5. Eleven (11) enclosed conveyor/steamer units.
6. Nut storage and handling activities.
7. Six (6) oiling tumblers, collectively identified as Otublrs, for application of food-grade oil to formed gummi candy.
10. Enclosed finished product conveying systems.
11. Manual loading and unloading of packaged finished product; and
12. Finished product shipping.

Any VOC emissions from the flavorings used in the Gummi base/candy that occur during the manufacture, processing, packaging, and storage of the Gummi base/candy are assumed already emitted at the weigh hopper, flavor kettles, and depositor.
### Appendix A: Emissions Calculations

**326 IAC Article 6-2 Particulate Emission Limitations for Sources of Indirect Heating**

**Company Name:** Albanese Confectionery Group, Inc.  
**Source Address:** 5441 E Lincoln Hwy, Merrillville, IN 46410  
**Source Modification Number:** 089-41447-00006  
**Permit Modification Number:** 089-41625-00006  
**Reviewer:** Natalie Moore

#### ID#  
<table>
<thead>
<tr>
<th>Year Constructed</th>
<th>Year Removed</th>
<th>Fuel Combusted</th>
<th>Maximum Heat Input Capacity (MMBtu/hr) (Q)</th>
<th>$Q_T$ (MMBtu/hr)</th>
<th>Calculated Pt (lb/MMBtu)</th>
<th>Particulate Limitation, (Pt) (lb/MMBtu)</th>
<th>Applicability Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muira Boiler 2</td>
<td>1999</td>
<td>NG</td>
<td>5.88</td>
<td>7.96</td>
<td>0.64</td>
<td>0.60</td>
<td>QT &lt; 10</td>
</tr>
<tr>
<td>Lochinvar Melting Boiler #1</td>
<td>2007</td>
<td>NG</td>
<td>0.21</td>
<td>Q1</td>
<td>8.33</td>
<td>0.63</td>
<td>QT &lt; 10</td>
</tr>
<tr>
<td>Lochinvar Melting Boiler #2</td>
<td>2007</td>
<td>NG</td>
<td>0.21</td>
<td>Q2</td>
<td>0.63</td>
<td>0.60</td>
<td>QT &lt; 10</td>
</tr>
<tr>
<td>State 75gal. Water Heater # 1</td>
<td>2007</td>
<td>NG</td>
<td>0.08</td>
<td>Q3</td>
<td>0.63</td>
<td>0.60</td>
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<td>State 75gal. Water Heater # 2</td>
<td>2007</td>
<td>NG</td>
<td>0.08</td>
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<td>2011</td>
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<td>NG</td>
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<td>Muira Boiler 1</td>
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<td>NG</td>
<td>11.54</td>
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<td>Boiler #4</td>
<td>2015</td>
<td>NG</td>
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<td>Boiler #5</td>
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<td>NG</td>
<td>11.54</td>
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<td>0.39</td>
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<td>QT &gt; 10</td>
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#### Methodology

NG = natural gas  
For the 1999 Boiler, the sourcewide $Q_T(1999) = Q1$  
For the 2007 Boilers, the sourcewide $Q_T(2007) = Q_T(1999) + SUM(Q2+Q3+Q4+Q5)$  
For the 2011 Boilers, the sourcewide $Q_T(2011) = Q_T(2007) + SUM(Q6+Q7+Q8)$  
For the 2016 Boilers, the sourcewide $Q_T(2015) = Q_T(2011) + SUM(Q9+Q10)$  
For the 2019 Boilers, the sourcewide $Q_T(2019) = Q_T(2007) + SUM(Q9 + Q10 + Q11 + Q12)$  
If $Q_T < 10$ MMBtu/hr, Pt shall not exceed 0.6.  
If $Q_T > 10$ MMBtu/hr, then:  
\[ Pt = \frac{1.09}{Q_T^{0.26}} \]

Note: Pursuant to 326 IAC 6-2-1(e), the particulate matter (PM) emissions from the one (1) 5.88 MMBtu per hour natural gas-fired boiler (Muira Boiler 2), two (2) 0.21 MMBtu per hour natural gas-fired melting boilers (Lochinvar Melting Boilers #1 & 2), two (2) 11.54 MMBtu per hour natural gas-fired boilers (Boiler #3 and Boiler #4), and the two (2) 0.08 MMBtu per hour natural gas-fired water heaters (State 75gal. Water Heaters #1 & 2) are not subject to 326 IAC 6-2 because they are regulated under 326 IAC 6.8.
## VOC De Minimis

Gummi Line 3 was started up in 2016. In the De Minimis test, in 2016, the baseline was 0 tons per year for a new unit. The projected actual is the average 24-month actual emissions (2017 and 2018 calendar years). For the proposed 2019 project, baseline = 24-month average and projected actual is based on the controlled (limited) PTE (the Permittee shall install an RTO as part of this project).

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<tr>
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<th>Actual (tons/year)</th>
<th>Limited PTE (tons/yr)</th>
<th>Net Emission Changes (tons/yr)</th>
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<td>Gummi Line 3 (2016)</td>
<td>8.11</td>
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<td>Gummi Line 3 (2019)</td>
<td>8.11</td>
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Gummi Line 4 started operations in 2018 and is considered a new unit. Therefore in 2018, baseline emissions = 0. Since 24 month total actual emissions are unavailable, the projected actual is = limited PTE (24.5 tpy). As part of the 2019 project, the Permittee shall install an RTO. In 2019, baseline = allowable emissions = 24.5 tons/yr. The projected actual is based on the controlled (limited) PTE. Since Boilers 3 & 4 started operations in 2018 they are also considered new units. Therefore, baseline emissions = 0. Since 24 month total actual emissions are unavailable, the projected actual are = PTE.

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<thead>
<tr>
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<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018 (partial)</th>
<th>Baseline (tons/yr)</th>
<th>PTE (tons/yr)</th>
<th>Changes (tons/yr)</th>
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<tr>
<td>Gummi Line 4 (2018)*</td>
<td>-</td>
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<td>1.93</td>
<td>10.66</td>
<td>24.50</td>
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<td>-</td>
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<td>1.93</td>
<td>10.66</td>
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<td>0.07</td>
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<td>Boiler 4 (2018)</td>
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<td>0.07</td>
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**De Minimis (tons/year)**

24.45

## NOx De Minimis

Since Boilers 3 & 4 started operations in 2018 they are considered new units. Therefore, baseline emissions = 0. Since 24 month total actual emissions are unavailable, the projected actual are = PTE.

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<th>2016</th>
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<th>2018 (partial)</th>
<th>Baseline (tons/yr)</th>
<th>PTE (tons/yr)</th>
<th>Changes (tons/yr)</th>
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<tbody>
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<td>Boiler 3</td>
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<td>1.27</td>
<td>1.27</td>
<td>4.96</td>
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<td>Boiler 4</td>
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<td>1.27</td>
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<td>4.96</td>
<td>4.96</td>
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</table>

**De Minimis (tons/year)**

20.29
October 25, 2019

Mr. James Dragon
Albanese Confectionery Group, Inc.
5441 East Lincoln Highway
Merrillville, Indiana 46410

Re: Public Notice
Albanese Confectionery Group, Inc.
Permit Level: Title V SSM (Minor PSD) and Title V SPM
Permit Number: 089-41447-00006 and 089-41625-00006

Dear Mr. Dragon:

Enclosed is a copy of your draft Title V Significant Source Modification (Minor PSD) and your draft Title V Significant Permit Modification, Technical Support Document, emission calculations, and the Public Notice.

The Public Notice period will begin the date the Notice is published on the IDEM Official Public Notice website. Publication has been requested and is expected within 2-3 business days. You may check the exact Public Notice begins and ends date here: https://www.in.gov/idem/5474.htm

Please note that as of April 17, 2019, IDEM is no longer required to publish the notice in a newspaper.

OAQ has submitted the draft permit package to the Lake County Public Library – Merrillville Branch, 1919 West 81st Avenue in Merrillville, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Ms. Natalie Moore, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 3-8279 or dial (317) 233-8279.

Sincerely,

John F. Jackson
John F. Jackson
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover Letter 4/12/19
October 25, 2019

To: Lake County Public Library – Merrillville Branch

From: Jenny Acker, Branch Chief
       Permits Branch
       Office of Air Quality

Subject: Important Information to Display Regarding a Public Notice for an Air Permit

Applicant Name: Albanese Confectionery Group, Inc.
Permit Number: 089-41447-00006 and 089-41625-00006

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. Please make this information readily available until you receive a copy of the final package.

If you have any questions concerning this public review process, please contact Joanne Smiddle-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library updated 4/2019
Notice of Public Comment

October 25, 2019
Albanese Confectionery Group, Inc.
089-41447-00006 and 089-41625-00006

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has posted on IDEM’s Public Notice website at https://www.in.gov/idem/5474.htm.

The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana’s Air Permitting Program.

Please Note: If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.

Enclosure
PN AAA Cover Letter 4/12/2019
AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD
DRAFT INDIANA AIR PERMIT

October 25, 2019

A 30-day public comment period has been initiated for:

Permit Number: 089-41447-00006 and 089-41625-00006
Applicant Name: Albanese Confectionery Group, Inc.
Location: Merrillville, Lake County, Indiana

The public notice, draft permit and technical support documents can be accessed via the IDEM Air Permits Online site at:
http://www.in.gov/ai/appfiles/idem-caats/

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, IN 46204

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Affected States Notification 1/9/2017
### Mail Code 61-53

#### IDEM Staff
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#### Remarks
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- **Listed by Sender:**
- **Received at Post Office:**

### Postmaster, Per (Name of Receiving employee)

- The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50,000 per occurrence. The maximum indemnity payable on Express mail merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See *Domestic Mail Manual* R900, S913, and S921 for limitations of coverage on insured and COD mail. See *International Mail Manual* for limitations of coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.