

217/782-2113

**"RENEWAL"**  
**TITLE V - CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT**  
**and**  
**TITLE I PERMIT<sup>1</sup>**

PERMITTEE

East Balt Commissary, Inc.  
Attn: Jeff E. Dearduff  
1801 West 31st Place  
Chicago, Illinois 60608

<u>Application No.:</u> 96030148	<u>I.D. No.:</u> 031600FYB
<u>Applicant's Designation:</u> Bakery	<u>Date Received:</u> January 26, 2004
<u>Operation of:</u> Baking of Yeast-Leavened Goods	
<u>Date Issued:</u> August 30, 2004	<u>Expiration Date<sup>2</sup>:</u> August 30, 2009
<u>Source Location:</u> 1801 West 31st Place, Chicago	
<u>Responsible Official:</u> John Petenes, President, or other responsible official as designated by the Permittee	

This permit is hereby granted to the above-designated Permittee to OPERATE a bakery, pursuant to the above referenced permit application. This permit is subject to the conditions contained herein.

If you have any questions concerning this permit, please contact Jonathan Sperry at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:JS:psj

cc: Illinois EPA, FOS Region #1  
CES  
Lotus Notes

<sup>1</sup> This permit may contain terms and conditions which address the applicability, and compliance if determined applicable, of Title I of the Clean Air Act and regulations promulgated thereunder, including 40 CFR 52.21 - federal Prevention of Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Any such terms and conditions are identified within the permit.

<sup>2</sup> Except as provided in condition 8.7 of this permit.

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1.0 SOURCE IDENTIFICATION

1.1 Source

East Balt Commissary, Inc  
1801 West 31st Place  
Chicago, Illinois 60608  
773/376-4444

I.D. No.: 031600FYB

Standard Industrial Classification: 2051, Bakery

1.2 Owner/Parent Company

East Balt Commissary, Inc.  
1801 West 31st Place  
Chicago, Illinois 60608

1.3 Operator

East Balt Commissary, Inc  
1801 West 31st Place  
Chicago, Illinois 60608

Contact Person: Jeff E. Dearduff, Director of Engineering  
773/376-4444

1.4 General Source Description

East Balt Commissary, Inc., is located at 1801 West 31st Place in Chicago. East Balt produces breads, buns and miscellaneous bakery products.

2.0 LIST OF ABBREVIATIONS/ACRONYMS USED IN THIS PERMIT

ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment Trading Unit
BAT	Best Available Technology
Btu	British thermal unit
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAM	Compliance Assurance Monitoring
CFR	Code of Federal Regulations
CO	Carbon Monoxide
ERMS	Emissions Reduction Market System
ft	foot
ft <sup>3</sup>	cubic foot
HAP	Hazardous Air Pollutant
hr	hour
IAC	Illinois Administrative Code
I.D. No.	Identification Number of Source, assigned by Illinois EPA
ILCS	Illinois Compiled Statutes
Illinois EPA	Illinois Environmental Protection Agency
kW	kilowatts
LAER	Lowest Achievable Emission Rate
lb	pound
m	meter
MACT	Maximum Achievable Control Technology
mmBtu	Million British thermal units
Mo	month
MW	megawatt
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standards
PM	Particulate Matter
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
ppm	parts per million
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
SO <sub>2</sub>	Sulfur Dioxide
T	ton
T1	Title I - identifies Title I conditions that have been carried over from an existing construction permit
T1N	Title I New - identifies Title I conditions that are being established in this permit

T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing construction permit and subsequently revised in this permit
TOC	Total Organic Carbon
USEPA	United States Environmental Protection Agency
VOM	Volatile Organic Material
Yr	year

### 3.0 INSIGNIFICANT ACTIVITIES

#### 3.1 Identification of Insignificant Activities

The following activities at the source constitute insignificant activities as specified in 35 IAC 201.210:

##### 3.1.1 Activities determined by the Illinois EPA to be insignificant activities, pursuant to 35 IAC 201.210(a)(1) and 201.211, as follows:

Boiler #1 (natural gas-fired, 5.22 mmBtu/hr)

Boiler #2 (natural gas-fired, 6.325 mmBtu/hr)

Scaling room where powdered ingredients are weighed and placed into 4 gallon containers;

Stationary natural gas fired internal combustion engines no more than 760 kW used for routine power generation;

Make-up Air Unit (natural gas-fired, 6.6 mmBtu/hr)

Depanners which are in line, automated vacuum devices designed to remove baked goods from pans (with cyclone and bag filter); and

Pan cleaners which are in line, automated dry scrubbing devices designed to clean pans prior to reuse (with cyclone and bag filter).

##### 3.1.2 Activities that are insignificant activities based upon maximum emissions, pursuant to 35 IAC 201.210(a)(2) or (a)(3), as follows:

Flour Storage Silos  
Flour Unloading System

##### 3.1.3 Activities that are insignificant activities based upon their type or character, pursuant to 35 IAC 201.210(a)(4) through (18), as follows:

Direct combustion units designed and used for comfort heating purposes and fuel combustion emission units as follows: (A) Units with a rated heat input capacity of less than 2.5 mmBtu/hr that fire only natural gas, propane, or liquefied petroleum gas; (B) Units with a rated heat input capacity of less than 1.0 mmBtu/hr that fire only oil or oil in combination with only natural gas, propane, or liquefied petroleum gas; and (C) Units with a rated heat input capacity of less than 200,000 Btu/hr which never burn

refuse, or treated or chemically contaminated wood [35 IAC 201.210(a)(4)].

Storage tanks of any size containing exclusively soaps, detergents, surfactants, glycerin, waxes, vegetable oils, greases, animal fats, sweeteners, corn syrup, aqueous salt solutions, or aqueous caustic solutions, provided an organic solvent has not been mixed with such materials [35 IAC 201.210(a)(17)].

Loading and unloading systems for railcars, tank trucks, or watercraft that handle only the following liquid materials, provided an organic solvent has not been mixed with such materials: soaps, detergents, surfactants, lubricating oils, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions, or aqueous caustic solutions [35 IAC 201.210(a)(18)].

3.1.4 Activities that are considered insignificant activities pursuant to 35 IAC 201.210(b).

### 3.2 Compliance with Applicable Requirements

Insignificant activities are subject to applicable requirements notwithstanding status as insignificant activities. In particular, in addition to regulations of general applicability, such as 35 IAC 212.301 and 212.123 (Condition 5.2.2), the Permittee shall comply with the following requirements, as applicable:

3.2.1 For each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 215.182, 218.182, or 219.182.

3.2.2 For each particulate matter process emission unit, the Permittee shall comply with the applicable particulate matter emission limit of 35 IAC 212.321 or 212.322. For example, the particulate matter emissions from a process emission unit shall not exceed 0.55 pounds per hour if the emission unit's process weight rate is 100 pounds per hour or less, pursuant to 35 IAC 266.110.

3.2.3 For each organic material emission unit that uses organic material, e.g., a mixer or printing line, the Permittee shall comply with the applicable VOM emission limit of 35 IAC 215.301, 218.301, or 219.301, which requires that organic material emissions not exceed 8.0 pounds per hour or do not qualify as photochemically reactive material as defined in 35 IAC 211.4690.

### 3.3 Addition of Insignificant Activities

- 3.3.1 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type that is identified in Condition 3.1, until the renewal application for this permit is submitted, pursuant to 35 IAC 201.212(a).
- 3.3.2 The Permittee must notify the Illinois EPA of any proposed addition of a new insignificant activity of a type addressed by 35 IAC 201.210(a) and 201.211 other than those identified in Condition 3.1, pursuant to Section 39.5(12) (b) of the Act.
- 3.3.3 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type identified in 35 IAC 201.210(b).

4.0 SIGNIFICANT EMISSION UNITS AT THIS SOURCE

Emission Unit	Description	Date Constructed	Emission Control Equipment
01	Bakery Line #1 with Oven	1978 (Bakery Line); 2/1995 (Oven)	None
02	Bakery Line #2 with Oven	2/10/1967	None
03	Griddle with Oven	6/10/1977	None

5.0 OVERALL SOURCE CONDITIONS

5.1 Source Description

5.1.1 This permit is issued based on the source requiring a CAAPP permit as a major source of VOM emissions.

5.2 Applicable Regulations

5.2.1 Specific emission units at this source are subject to particular regulations as set forth in Section 7 (Unit-Specific Conditions) of this permit.

5.2.2 In addition, emission units at this source are subject to the following regulations of general applicability:

- a. No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 40.2 kilometers per hour (25 miles per hour), pursuant to 35 IAC 212.301 and 212.314.
- b. No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to the requirements of 35 IAC 212.122, pursuant to 35 IAC 212.123(a), except as allowed by 35 IAC 212.123(b) and 212.124.

5.2.3 Ozone Depleting Substances

The Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

#### 5.2.4 Risk Management Plan

Should this stationary source, as defined in 40 CFR Section 68.3, become subject to the Accidental Release Prevention regulations in 40 CFR Part 68, then the owner or operator shall submit [40 CFR 68.215(a)(2)(i) and (ii)]:

- a. A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or
- b. A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan (RMP), as part of the annual compliance certification required by 40 CFR Part 70 or 71.

#### 5.2.5 Future Emission Standards

- a. Should this stationary source become subject to a regulation under 40 CFR Parts 60, 61, or 63, or 35 IAC after the date issued of this permit, then the owner or operator shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by 40 CFR Part 70 or 71.
- b. No later than upon the submittal for renewal of this permit, the owner or operator shall submit, as part of an application, the necessary information to address either the non-applicability of, or demonstrate compliance with all applicable requirements of any potentially applicable regulation which was promulgated after the date issued of this permit.

#### 5.2.6 Episode Action Plan

- a. If the source is required to have an episode action plan pursuant to 35 IAC 244.142, the Permittee shall maintain at the source and have on file with the Illinois EPA a written episode action plan (plan) for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The plan shall contain the information specified in 35 IAC 244.144.

- b. The Permittee shall immediately implement the appropriate steps described in this plan should an air pollution alert or emergency be declared.
- c. If a change occurs at the source which requires a revision of the plan (e.g., operational change, change in the source contact person), a copy of the revised plan shall be submitted to the Illinois EPA for review within 30 days of the change. Such plans shall be further revised if disapproved by the Illinois EPA.
- d. For sources required to have a plan pursuant to 35 IAC 244.142, a copy of the original plan and any subsequent revisions shall be sent to the Chicago Department of Environmental Control.

5.3 Non-Applicability of Regulations of Concern

5.3.1 This permit is issued based on the source not being subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the source does not have a pollutant-specific emissions unit that uses an add-on control device to achieve compliance with an emission limitation or standard.

5.4 Source-Wide Operational and Production Limits and Work Practices

In addition to the source-wide requirements in the Standard Permit Conditions in Section 9, the Permittee shall fulfill the following source-wide operational and production limitations and/or work practice requirements:

None

5.5 Source-Wide Emission Limitations

5.5.1 Permitted Emissions for Fees

The annual emissions from the source, not considering insignificant activities as addressed by Section 3.0 of this permit, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. These limitations (Condition 5.5.1) are set for the purpose of establishing fees and are not federally enforceable.

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	200.00
Sulfur Dioxide (SO <sub>2</sub> )	0.05
Particulate Matter (PM)	0.90
Nitrogen Oxides (NO <sub>x</sub> )	6.40

HAP, not included in VOM or PM	----
TOTAL	207.35

5.5.2 Emissions of Hazardous Air Pollutants

This permit is issued based on the potential emissions of HAPs as listed in Section 112(b) of the Clean Air Act not being equal to or exceeding 10 tons per year of a single HAP or 25 tons per year of any combination of such HAPs, so that this source is considered a minor source for HAPs.

5.5.3 Other source-wide emission limitations are not set for this source pursuant to either the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21, Illinois EPA rules for Major Stationary Sources Construction and Modification, 35 IAC Part 203, or Section 502(b)(10) of the CAA. (As of the date of issuance of this permit, no construction and operating permits have been issued to this source.)

5.6 General Recordkeeping Requirements

5.6.1 Emission Records

The Permittee shall maintain records of the following items to demonstrate compliance with Condition 5.5.1, pursuant to Section 39.5(7)(b) of the Act:

Total annual emissions of the source, determined as the total of the emission data required to be kept by Section 7 of this permit.

5.6.2 General Records for Fuel Combustion

The Permittee shall maintain records of the following items for the source to demonstrate compliance with Condition 5.5.1, pursuant to Section 39.5(7)(b) of the Act:

- a. Total natural gas usage at the source, in million ft<sup>3</sup>/year; and
- b. Annual NO<sub>x</sub> emissions from the combustion of natural gas, in tons/year, based on the total natural gas usage at the source and applicable emission factors in Condition 7.1.12(b), with supporting calculations.

5.6.3 Retention and Availability of Records

- a. All records and logs required by this permit shall be retained for at least five years from the date of entry (unless a longer retention period is specified by the particular recordkeeping provision herein), shall be kept at a location at the source that is

readily accessible to the Illinois EPA or USEPA, and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request.

- b. The Permittee shall retrieve and print, on paper during normal source office hours, any records retained in an electronic format (e.g., computer) in response to an Illinois EPA or USEPA request for records during the course of a source inspection.

## 5.7 General Reporting Requirements

### 5.7.1 General Source-Wide Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the source with the requirements of this permit as follows, pursuant to Section 39.5(7)(f)(ii) of the Act. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken:

Annual emissions from the source in excess of the limits specified in Condition 5.5.1, within 30 days of such an occurrence.

### 5.7.2 Annual Emission Report

The annual emission report required pursuant to Condition 9.7 shall contain emissions information for the previous year.

## 5.8 General Operational Flexibility/Anticipated Operating Scenarios

N/A

## 5.9 General Compliance Procedures

### 5.9.1 General Procedures for Calculating Allowable Emissions

Compliance with the source-wide emission limits specified in Condition 5.5 shall be based on the recordkeeping and reporting requirements of Conditions 5.6 and 5.7, and Compliance Procedures in Section 7 (Unit Specific Conditions) of this permit.

## 6.0 EMISSION REDUCTION MARKET SYSTEM (ERMS)

### 6.1 Description of ERMS

The ERMS is a "cap and trade" market system for major stationary sources located in the Chicago ozone nonattainment area. It is designed to reduce VOM emissions from stationary sources to contribute to further reasonable progress toward attainment, as required by Section 182(c) of the Clean Air Act.

The ERMS addresses VOM emissions during a seasonal allotment period from May 1 through September 30. Participating sources must hold "allotment trading units" (ATUs) for their actual seasonal VOM emissions. Each year participating sources are issued ATUs based on allotments set in the sources' CAAPP permits. These allotments are established from historical VOM emissions or "baseline emissions" lowered to provide the emission reduction from stationary sources required for further progress.

By December 31 of each year, the end of the reconciliation period following the seasonal allotment period, each source shall have sufficient ATUs in its transaction account to cover its actual VOM emissions during the preceding season. A transaction account's balance as of December 31 will include any valid ATU transfer agreements entered into as of December 31 of the given year, provided such agreements are promptly submitted to the Illinois EPA for entry into the transaction account database. The Illinois EPA will then retire ATUs in sources' transaction accounts in amounts equivalent to their seasonal emissions. When a source does not appear to have sufficient ATUs in its transaction account, the Illinois EPA will issue a notice to the source to begin the process for Emissions Excursion Compensation.

In addition to receiving ATUs pursuant to their allotments, participating sources may also obtain ATUs from the market, including ATUs bought from other participating sources and general participants in the ERMS that hold ATUs (35 IAC 205.630) and ATUs issued by the Illinois EPA as a consequence of VOM emissions reductions from an Emissions Reduction Generator or an Intersector Transaction (35 IAC 205.500 and 35 IAC 205.510). During the reconciliation period, sources may also buy ATUs from a secondary reserve of ATUs managed by the Illinois EPA, the "Alternative Compliance Market Account" (ACMA) (35 IAC 205.710). Sources may also transfer or sell the ATUs that they holds to other sources or participants (35 IAC 205.630).

### 6.2 Applicability

This source is considered a "participating source" for purposes of the ERMS, 35 IAC Part 205.

### 6.3 Obligation to Hold Allotment Trading Units (ATUs)

- a. Pursuant to 35 IAC 205.150(c)(1) and 205.720, and as further addressed by condition 6.8, as of December 31 of each year, this source shall hold ATUs in its account in an amount not less than its VOM emissions during the preceding seasonal allotment period (May 1 - September 30) not including VOM emissions from the following, or the source shall be subject to "emissions excursion compensation," as described in Condition 6.4.
  - i. VOM emissions from insignificant units and activities as identified in Section 3 of this permit, in accordance with 35 IAC 205.220;
  - ii. Excess VOM emissions associated with startup, malfunction or breakdown of an emission unit as authorized elsewhere in this permit, in accordance with 35 IAC 205.225;
  - iii. Excess VOM emissions to the extent allowed by a Variance, Consent Order, or Compliance Schedule, in accordance with 35 IAC 205.320(e)(3);
  - iv. Excess VOM emissions that are a consequence of an emergency as approved by the Illinois EPA, pursuant to 35 IAC 205.750; and
  - v. VOM emissions from certain new and modified emission units as addressed by Section 6.7(b), if applicable, in accordance with 35 IAC 205.320(f).
- b. Notwithstanding the above condition, in accordance with 35 IAC 205.150(c)(2), if a source commences operation of a major modification, pursuant to 35 IAC Part 203, the source shall hold ATUs in an amount not less than 1.3 times its VOM emissions attributable to such major modification during the seasonal allotment period, determined in accordance with the construction permit for such major modification or applicable provisions in Section 7.0 of this permit.

### 6.4 Market Transaction

- a. The source shall apply to the Illinois EPA for and obtain authorization for a Transaction Account prior to conducting any market transactions, as specified at 35 IAC 205.610(a).
- b. The Permittee shall promptly submit to the Illinois EPA any revisions to the information submitted for its Transaction Account, pursuant to 35 IAC 205.610(b).

- c. The source shall have at least one account officer designated for its Transaction Account, pursuant to 35 IAC 205.620(a).
- d. Any transfer of ATUs to or from the source from another source or general participant must be authorized by a qualified Account Officer designated by the source and approved by the Illinois EPA in accordance with 35 IAC 205.620 and the transfer must be submitted to the Illinois EPA for entry into the Transaction Account database.

#### 6.5 Emission Excursion Compensation

Pursuant to 35 IAC 205.720, if the source fails to hold ATUs in accordance with Condition 6.3, it shall provide emissions excursion compensation in accordance with the following:

- a. Upon receipt of an Excursion Compensation Notice issued by the Illinois EPA, the source shall purchase ATUs from the ACMA in the amount specified by notice, as follows:
  - i. The purchase of ATUs shall be in an amount equivalent to 1.2 times the emissions excursion; or
  - ii. If the source had an emissions excursion for the seasonal allotment period immediately before the period for the present emission excursion, the source shall purchase ATUs in an amount equivalent to 1.5 times the emissions excursion.
- b. If requested in accordance with paragraph (c) below or in the event that the ACMA balance is not adequate to cover the total emissions excursion amount, the Illinois EPA will deduct ATUs equivalent to the specified amount or any remaining portion thereof from the ATUs to be issued to the source for the next seasonal allotment period.
- c. Pursuant to 35 IAC 205.720(c), within 15 days of receipt of an Excursion Compensation Notice, the owner or operator may request that ATUs equivalent to the amount specified be deducted from the source's next seasonal allotment by the Illinois EPA, rather than purchased from the ACMA.

#### 6.6 Quantification of Seasonal VOM Emissions

- a. The methods and procedures specified in Section 5 and 7 of this permit for determining VOM emissions and compliance with VOM emission limitations shall be used for determining seasonal VOM emissions for purposes of the ERMS, with the following exceptions [35 IAC 205.315(b)]:

No exceptions

- b. The Permittee shall report emergency conditions at the source to the Illinois EPA in accordance with 35 IAC 205.750, if the Permittee intends to deduct VOM emissions in excess of the technology-based emission rates normally achieved that are attributable to the emergency from the source's seasonal VOM emissions for purposes of the ERMS. These reports shall include the information specified by 35 IAC 205.650(a), and shall be submitted in accordance with the following:
  - i. An initial emergency condition report within two days of the time when such excess emissions occurred due to the emergency; and
  - ii. A final emergency condition report, if needed to supplement the initial report, within 10 days after the conclusion of the emergency.

#### 6.7 Annual Account Reporting

- a. For each year in which the source is operational, the Permittee shall submit, as a component of its Annual Emission Report, seasonal VOM emission information to the Illinois EPA for the seasonal allotment period. This report shall include the following information [35 IAC 205.300]:
  - i. Actual seasonal emissions of VOM from the source;
  - ii. A description of the methods and practices used to determine VOM emissions, as required by this permit, including any supporting documentation and calculations;
  - iii. A detailed description of any monitoring methods that differ from the methods specified in this permit, as provided in Section 205.337 of this Subpart;
  - iv. If a source has experienced an emergency, as provided in 35 IAC 205.750, the report shall reference the associated emergency conditions report that has been approved by the Illinois EPA;
  - v. If a source's baseline emissions have been adjusted due to a variance, consent order or CAAPP permit compliance schedule, as provided for in 35 IAC 205.320(e)(3), the report shall provide documentation quantifying the excess VOM emissions during the season that were allowed by the Variance, Consent Order, or Compliance Schedule, in accordance with 35 IAC 205.320(e)(3); and
  - vi. If a source is operating a new or modified emission unit for which three years of operational data are

not yet available, as specified in 35 IAC 205.320(f), the report shall specify seasonal VOM emissions attributable to the new emission unit or the modification of the emission unit.

- b. This report shall be submitted by October 31 of each year, for the preceding seasonal allotment period.

6.8 Allotment of ATUs to the Source

- a.
  - i. The allotment of ATUs to this source is 403 ATUs per seasonal allotment period.
  - ii. This allotment of ATUs reflects the Illinois EPA's determination that the source's baseline emissions were 45.6014 tons.
    - A. This determination includes the use of 1994 and 1995 as baseline seasons.
  - iii. The source's allotment reflects 88% of the baseline emissions (12% reduction) except for the VOM emissions from specific emission unit excluded from such reduction, pursuant to 35 IAC 205.405 including units complying with MACT or using BAT, as identified in Condition 6.11 of this permit.
  - iv. ATUs will be issued to the source's Transaction Account by the Illinois EPA annually. These ATUs will be valid for the seasonal allotment period following issuance and, if not retired in this season, the next seasonal allotment period.
  - v. Condition 6.3(a) becomes effective beginning in the seasonal allotment period following the initial issuance of ATUs by the Illinois EPA into the Transaction Account for the source.
- b. Contingent Allotments for New or Modified Emission Units  
Not applicable.
- c. Notwithstanding the above, part or all of the above ATUs will not be issued to the source in circumstances as set forth in 35 IAC Part 205, including:
  - i. Transfer of ATUs by the source to another participant or the ACMA, in accordance with 35 IAC 205.630;
  - ii. Deduction of ATUs as a consequence of emission excursion compensation, in accordance with 35 IAC 205.720; and

- iii. Transfer of ATUs to the ACMA, as a consequence of shutdown of the source, in accordance with 35 IAC 205.410.

6.9 Recordkeeping for ERMS

The Permittee shall maintain copies of the following documents as its Compliance Master File for purposes of ERMS [35 IAC 205.700(a)]:

- a. Seasonal component of the Annual Emission Report;
- b. Information on actual VOM emissions, as specified in detail in Sections 5 and 7 of this permit and Condition 6.6(a); and
- c. Any transfer agreements for the purchase or sale of ATUs and other documentation associated with the transfer of ATUs.

6.10 Exclusions from Further Reductions

- a. VOM emissions from the following emission units, if satisfying subsection (a)(1), (a)(2), or (a)(3) prior to May 1, 1999, shall be excluded from the VOM emissions reductions requirements specified in IAC 205.400(c) and (e) as long as such emission units continue to satisfy subsection (a)(1), (a)(2), or (a)(3) [35 IAC 205.405(a)]:
  - i. Emission units that comply with any NESHAP or MACT standard promulgated pursuant to the CAA;
  - ii. Direct combustion emission units designed and used for comfort heating purposes, fuel combustion emission units and internal combustion engines; and
  - iii. An emission unit for which a LAER demonstration has been approved by the Agency on or after November 15, 1990.

The source has demonstrated in their ERMS application and the Illinois EPA has determined that the following emission units qualifies for exclusion from further reductions because they meet the criteria as indicated above [35 IAC 205.400(a) and (c)]:

Boilers  
Space Heaters

- b. VOM emissions from the emission units using BAT for controlling VOM emissions, prior to May 1, 1999, shall not be subject to the VOM emissions reductions requirements specified in IAC 205.400(c) or (e) as long as such emission unit continues to use such BAT [35 IAC 205.405(b)].

The source has demonstrated in their ERMS application and the Illinois EPA has determined that the following emission units qualifies from further reductions because these emission units use BAT for controlling VOM emissions as indicated above [35 IAC 205.400(b) and (c)]:

None

## 7.0 UNIT SPECIFIC CONDITIONS

### 7.1 Emission Unit 01: Bakery Line #1 with Oven

#### 7.1.1 Description

East Balt Commissary is a bakery that produces yeast leavened products on three specially configured manufacturing lines. Bakery Line #1 with Oven is used to produce a variety of baked goods. This bakery production is a highly automated process where all the mixing, blending, working and dividing are interconnected by conveyor throughout the process. Bread and bread products consist of four main ingredients; flour, water, yeast and salt. Other physical properties of the product are obtained by adding other ingredients such as sweeteners, shortening, enzymes and preservatives. Flour, the main ingredient, is stored in silos and is conveyed through pipes to batch weighers, after which water, yeast and other ingredients are added in a mixer.

After mixing, the dough is placed in large wheeled tubs and kept in a room where the temperature and humidity are closely controlled to allow the fermentation process to occur. During this process, the yeast reproduces under aerobic conditions forming carbon dioxide gas (49%), an almost equivalent amount of liquid ethanol (47%) and about 4% of other various compounds. With some recipes, additional ingredients including yeast and flour are added to process after fermentation. In these cases, the initial mix is called a 'sponge,' with the extra ingredients referred to as a 'spike' and the final mixed product called 'dough.'

After fermentation, the dough is placed in a mixer where the minor ingredients are added. The dough is then conveyed through a divider and rounded, dusted with flour and placed into pans. The pans are conveyed into a proof box. The proofing box is a well insulated chamber, free of drafts where the time, temperature and humidity are controlled. These conditions allow the dough to rise again by accelerating the yeast activity. A minor amount of the ethanol is liberated in the proof boxes, however the exhausts from these chambers are minimized to preserve temperature and humidity conditions, and the ethanol (VOM) emissions are considered insignificant.

After proofing, the pans are conveyed into baking ovens. The ovens combust natural gas exclusively, with a firing rate that exceeds 0.3 mmBtu/hr, but is less than 10 mmBtu/hr. During the baking process, the yeast suffers a thermal death and no further gases are created. Approximately 50% of the liquid ethanol produced during fermentation is vaporized during the baking process. The

baking process is complete when the internal temperature of the loaf reaches the boiling point of ethanol. After baking the loaf is removed from the pan and is allowed to cool prior to packaging.

Bakery line #1 was installed and began operation in 1978 and the Oven of Bakery Line #1 was replaced in February, 1995.

7.1.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
01	Bakery Line #1 with Oven	None

7.1.3 Applicable Regulations

- a. The "affected bakery line" for the purpose of these unit-specific conditions, is the emission units included in Section 7.1.2 of this Permit that produce yeast leavened products.
- b. In any nonattainment area, no person shall cause or allow the construction of a new major stationary source or major modifications that is major for the pollutant for which the area is designated a nonattainment area, except as in compliance with Part 203 for that pollutant. In areas designated nonattainment for ozone, this prohibition shall apply to new major stationary sources or major modification of sources that emit volatile organic materials, pursuant to 35 IAC 203.201.
- c. The affected bakery line is subject to the emission standards identified in Condition 5.2.2. Compliance with these regulations of general applicability will be achieved as a result of the routine operation of these units. Therefore, no provisions to address requirements have been established.

7.1.4 Non-Applicability of Regulations of Concern

- a. The affected bakery line is not subject to the requirements of 35 IAC 218.301 because ethanol does not create any odor nuisance and ethanol is considered as a photochemically non-reactive material. Also, pursuant to 35 IAC 218.303, fuel combustion emission units are not subject to 35 IAC 218.301.
- b. The affected bakery line is not subject to the requirements of 35 IAC 218 Subpart TT: Other Emission Units, because it is exempt from this regulation, pursuant to 35 IAC 218.980(f).

- c. The affected bakery line is not subject to the requirements of 35 IAC 218 Subpart FF: Bakery Oven, because it has been repealed by operation of law and is rendered null and void and of no force and effect.
- d. The affected bakery line is not subject to the New Source Performance Standard for Small-Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc, because the oven has a maximum design heat input capacity of less than 2.9 MW (10 mmBtu/hr).
- e. The affected bakery line is not subject to 35 IAC 216.121, emissions of carbon monoxide from fuel combustion emission units, because the individual actual heat input of the oven is less than 2.9 MW (10 mmBtu/hr).
- f. The affected bakery line is not subject to 35 IAC 217.141, emissions of nitrogen oxides from existing fuel combustion emission sources in major metropolitan areas, because the individual actual heat input of the oven is less than 73.2 MW (250 mmBtu/hr).

7.1.5 Operational and Production Limits and Work Practices

The ovens shall only be operated with natural gas as the fuel. This limitation is established in this permit pursuant to Title I of the CAA, specifically 35 IAC Part 203, Major Stationary Source Construction and Modification. See also Condition 7.1.6(a) [T1N].

7.1.6 Emission Limitations

In addition to Condition 5.2.2 and the source-wide emission limitations in Condition 5.5, the affected bakery line is subject to the following:

- a. Emissions and operation of Bakery Line #1 shall not exceed the following limits:

Baked Goods Production		Emission Factor (lb VOM/T Product)	VOM Emissions	
(T/mo)	(T/yr)		(T/mo)	(T/yr)
3,273	23,464	5.5	9.00	64.53

These limits are based on the maximum baked goods production and the above emission factor. Baked goods production means baked goods sent to vendors and baked goods waste generated during baking process.

Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total) [T1N].

The above limitations are established in this permit pursuant to Title I of the CAA, specifically 35 IAC Part 203, Major Stationary Source Construction and Modification. The source has requested that the Illinois EPA establish emission limitations and other appropriate terms and conditions in this permit that limit the VOM emissions from the affected bakery lines below the levels that would trigger the applicability of these rules, consistent with the information provided in the CAAPP application. As a result of this condition, the replacement of the oven on Bakery Line #1 in 1995 did not constitute a new major source or major modification pursuant to 35 IAC Part 203, as shown in Attachment 2 [T1N].

7.1.7 Testing Requirements

None

7.1.8 Monitoring Requirements

None

7.1.9 Recordkeeping Requirements

The Permittee shall maintain records of the following items for the affected bakery line to demonstrate compliance with Conditions 7.1.6 and 5.5.1 pursuant to Section 39.5(7)(b) of the Act:

- a. Bread Goods Production including the waste after baking in ton/mo and ton/yr;
- b. VOM Emissions in ton/mo and ton/yr;
- c. Records indicating development of the emission factor used in the Condition 7.1.6(a);
- d. Records of the annual fuel usage; and
- e. Records of annual aggregate NO<sub>x</sub>, PM, CO, SO<sub>2</sub>, and VOM emissions from the ovens based on fuel consumption and the applicable emission factors, with supporting calculations.

#### 7.1.10 Reporting Requirements

- a. The Permittee shall promptly notify the Illinois EPA, Compliance Section of deviations of the affected printing lines with the permit requirements as follows, pursuant to Section 39.5(7)(f)(ii) of the Act. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken.
  - i. Any deviation from the applicable permit requirements of Condition 7.1.6 and 35 IAC Part 203 shall be reported to the Illinois EPA within 30 days of such occurrence. The report shall include the identity of the requirements for which a deviation occurred, a description of the deviation, its probable cause, and any corrective actions or preventive measures taken [35 IAC Part 203 and 39.5(7)(f)(ii) of the Act].
- b. At least 30 calendar days before changing the method of compliance for an affected bakery line with the applicable emission factor indicated in Condition 7.1.6, the Permittee shall certify to the Illinois EPA that the affected bakery line will be in compliance with the applicable limitation of Condition 7.1.6 consistent with the requirements of the compliance certification reports of Condition 9.8.

#### 7.1.11 Operational Flexibility/Anticipated Operating Scenarios

The Permittee is authorized to make the following physical and operational change with respect to the affected bakery line without prior notification to the Illinois EPA or revision of this permit. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of the source, as defined in 35 IAC 201.102:

- a. Variations in initial yeast amounts as a percentage of flour, variations in total ferment time, variations in yeast spike as a percentage of flour, variations in spike time, and usage of other ingredients and formulations without exceeding the emission limitations of Conditions 5.5.1 and 7.1.6.

#### 7.1.12 Compliance Procedures

- a. Compliance with the emission limitations in Conditions 5.5.1 and 7.1.6 shall be determined from the recordkeeping requirements in Condition 7.1.9 and the emission factors and formula listed below:

<u>Bakery Line</u>	<u>Emission Factor (lb VOM/T Product)</u>
Bakery Line #1 with Oven	5.5

Oven Emissions (lb) = (Bread production, ton) x (the applicable emission factor, lb/ton)

The emission factor(s) above were developed following the methodology described in the following USEPA guidance:

Alternative Control Technology Document for Bakery Oven Emissions, 453/R-92-017.

- b. To determine compliance with Condition 5.5.1, emissions from the ovens of affected bakery lines shall be calculated based on the following emission factors and formula:

<u>Pollutant</u>	<u>Emission Factor (lb/10<sup>6</sup> ft<sup>3</sup>)</u>
PM	7.6
SO <sub>2</sub>	0.6
VOM	5.5
NO <sub>x</sub>	100.0
CO	84.0

These are the emission factors for uncontrolled natural gas combustion in small boilers (< 100 mmBtu/hr), Tables 1.4-1 and 1.4-2, AP-42, Volume I, Supplement D, March, 1998.

Oven Emissions (lb) = Natural Gas Consumed Multiplied by the Appropriate Emission Factor

## 7.2 Emission Units 02-03: Bakery Line #2 with Oven and Griddle with Oven

### 7.2.1 Description

East Balt Commissary is a bakery that produces yeast leavened products on three specially configured manufacturing lines. Bakery Line #2 with Oven is used to produce a variety of baked goods. Griddle with Oven is used to produce English muffins. This bakery production is a highly automated process where all the mixing, blending, working and dividing are interconnected by conveyor through out the process. Bread and bread products consist of four main ingredients; flour, water, yeast and salt. Other physical properties of the product are obtained by adding other ingredients such as sweeteners, shortening, enzymes and preservatives. Flour, the main ingredient is stored in silos and is conveyed through pipes to batch weighers, after which water, yeast and other ingredients are added in a mixer.

After mixing, the dough is placed in large wheeled tubs and kept in a room where the temperature and humidity are closely controlled to allow the fermentation process to occur. During this process, the yeast reproduces under aerobic conditions forming carbon dioxide gas (49%), an almost equivalent amount of liquid ethanol (47%) and about 4% of other various compounds. With some recipes, additional ingredients including yeast and flour are added to process after fermentation. In these cases, the initial mix is called a 'sponge,' with the extra ingredients referred to as a 'spike' and the final mixed product called 'dough.'

After fermentation, the dough is placed in a mixer where the minor ingredients are added. The dough is then conveyed through a divider and rounded, dusted with flour and placed into pans. The pans are conveyed into a proof box. The proofing box is a well insulated chamber, free of drafts where the time, temperature and humidity are controlled. These conditions allow the dough to rise again by accelerating the yeast activity. A minor amount of the ethanol is liberated in the proof boxes, however the exhausts from these chambers are minimized to preserve temperature and humidity conditions, and the ethanol (VOM) emissions are considered insignificant.

After proofing, the pans are conveyed into natural gas fired baking ovens. The ovens combust natural gas exclusively, with a firing rate that exceeds 0.3 mmBtu/hr, but is less than 10 mmBtu/hr. During the baking process, the yeast suffers a thermal death and no further gases are created. Approximately 50% of the liquid ethanol produced during fermentation is vaporized during the baking

process. The baking process is complete when the internal temperature of the loaf reaches the boiling point of ethanol. After baking the loaf is removed from the pan and is allowed to cool prior to packaging.

The Griddle Line uses noticeable different equipment, including pans, oven, and packaging equipment. This specific design has dedicated the Griddle Line to the production of English Muffins. The oven used to bake the muffins differs from the other ovens at the source and is called a 'griddle.' The divided dough is placed in circular slots on a conveyor. At the entrance to the oven, a mating cover on a conveyor totally encloses the muffin during the trip through the baking oven. Because the fermentation and proofing operation require less time, the amount of ethanol created for this product is less than the other two lines.

Bakery Line #2 with Oven was installed and started operation in 1967. Griddle with Oven was installed and started operation in 1977.

7.2.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
02	Bakery Line #2 with Oven	None
03	Griddle with Oven	none

7.2.3 Applicable Regulations

- a. The "affected bakery lines" for the purpose of these unit-specific conditions, are the emission units included in Section 7.2.2 of this Permit that produce yeast leavened products.
- b. The affected bakery lines are subject to the emission standards identified in Condition 5.2.2. Compliance with these regulations of general applicability will be achieved as a result of the routine operation of these units. Therefore, no provisions to address requirements have been established.
- c. The oven for Emission Unit 02 is subject to 35 IAC 216.121, Emissions of Carbon Monoxide from Fuel Combustion Emission Units, because this oven has actual heat input greater than 2.9 MW (10 mmBtu/hr).

7.2.4 Non-Applicability of Regulations of Concern

- a. The affected bakery lines are not subject to the requirements of 35 IAC 218.301 because ethanol does not create any odor nuisance and ethanol is considered as a photochemically non-reactive

material. Also, pursuant to 35 IAC 218.303, fuel combustion emission units are not subject to 35 IAC 218.301.

- b. The affected bakery lines are not subject to the requirements of 35 IAC 218 Subpart TT: Other Emission Units, because they are exempt from this regulation, pursuant to 35 IAC 218.980(f).
- c. The affected bakery lines are not subject to the requirements of 35 IAC 218 Subpart FF: Bakery Oven, because it has been repealed by operation of law and is rendered null and void and of no force and effect.
- d. The oven for Emission Unit 03 is not subject to the New Source Performance Standard for Small-Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc, because this oven has a maximum design heat input capacity of less than 2.9 MW (10 mmBtu/hr).
- e. The oven for Emission Unit 03 is not subject to 35 IAC 216.121, Emissions of Carbon Monoxide from Fuel Combustion Emission Units, because this oven has actual heat input less than or equal to than 2.9 MW (10 mmBtu/hr).
- f. The affected bakery lines are not subject to 35 IAC 217.141, Emissions of Nitrogen Oxides from Existing Fuel Combustion Emission Sources in Major Metropolitan Areas, because the individual actual heat input of each oven is less than 73.2 MW (250 mmBtu/hr).

7.2.5 Operational and Production Limits and Work Practices

None

7.2.6 Emission Limitations

There are no specific emission limitations for these units; however, there are source wide emission limitations in Condition 5.5 that include these units.

7.2.7 Testing Requirements

None

7.2.8 Monitoring Requirements

None

#### 7.2.9 Recordkeeping Requirements

- a. The Permittee shall maintain records of the following items for the affected bakery lines to demonstrate compliance with Condition 5.5.1 pursuant to Section 39.5(7)(b) of the Act:
  - i. Bread Goods Production including the waste after baking in Bakery Line #2 and Griddle (ton/mo and ton/yr);
  - ii. VOM Emission in from Bakery Line #2 and Griddle (ton/mo and ton/yr);
  - iii. Record indicating development of emission factors used to calculate VOM emission from Bakery Line #2 and Griddle;
  - iv. Records of the annual fuel usage; and
  - v. Records of annual aggregate NO<sub>x</sub>, PM, CO, SO<sub>2</sub>, and VOM emissions from the ovens based on fuel consumption and the applicable emission factors, with supporting calculations.

#### 7.2.10 Reporting Requirements

- a. The Permittee shall promptly notify the Illinois EPA, Compliance Section of deviations of the affected printing lines with the permit requirements as follows, pursuant to Section 39.5(7)(f)(ii) of the Act. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken.
  - i. Report of Deviation  

Report of any deviation from the applicable permit requirements of Condition 5.2.2 shall be reported to the Illinois EPA within 30 days of such occurrence. The report shall include the identity of the requirements for which a deviation occurred, a description of the deviation, its probable cause, and any corrective actions or preventive measures taken [39.5(7)(f)(ii) of the Act].
- b. At least 30 calendar days before changing the method of compliance for an affected bakery line with the applicable emission factor indicated in Condition 7.2.6, the Permittee shall certify to the Illinois EPA that the bakery line will be in compliance with the applicable limitation of Condition 7.2.6

consistent with the requirements of the compliance certification reports of Condition 9.8.

7.2.11 Operational Flexibility/Anticipated Operating Scenarios

The Permittee is authorized to make the following physical and operational change with respect to the affected bakery lines without prior notification to the Illinois EPA or revision of this permit. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of the source, as defined in 35 IAC 201.102:

- a. Variations in initial yeast amounts as a percentage of flour, variations in total ferment time, variations in yeast spike as a percentage of flour, variations in spike time, and usage of other ingredients and formulations without exceeding the emission limitations of Conditions 5.5.1 and 7.2.6.

7.2.12 Compliance Procedures

- a. Compliance with the emission limitations in Condition 5.5.1 shall be determined from the recordkeeping requirements in Condition 7.2.9 and the emission factors and formula listed below:

<u>Bakery Line</u>	<u>Emission Factor (lb VOM/T Product)</u>
Bakery Line #2 with Oven	5.5
Griddle with Oven	4.3

Oven Emissions (lb) = (Bread production, ton) x (the applicable emission factor, lb/ton)

The emission factor(s) above were developed following the methodology described in the following USEPA guidance:

Alternative Control Technology Document for Bakery Oven Emissions, 453/R-92-017.

- b. To determine compliance with Condition 5.5.1, emissions from the ovens of affected bakery lines shall be calculated based on the following emission factors and formula:

<u>Pollutant</u>	<u>Emission Factor (lb/10<sup>6</sup> ft<sup>3</sup>)</u>
PM	7.6
SO <sub>2</sub>	0.6
VOM	5.5
NO <sub>x</sub>	100.0
CO	84.0

These are the emission factors for uncontrolled natural gas combustion in small boilers (< 100 mmBtu/hr), Tables 1.4-1 and 1.4-2, AP-42, Volume I, Supplement D, March, 1998.

Oven Emissions (lb) = Natural Gas Consumed Multiplied by the Appropriate Emission Factor

- c. Compliance with the emission limit in Condition 7.2.3(c) is demonstrated under inherent operating conditions of an natural gas-fired fuel combustion equipment, so that no compliance procedures are set in this permit addressing this requirement.

## 8.0 GENERAL PERMIT CONDITIONS

### 8.1 Permit Shield

Pursuant to Section 39.5(7)(j) of the Act, the Permittee has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the Illinois EPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit.

This permit shield does not extend to applicable requirements which are promulgated after February 25, 2004 (the date of issuance of the draft permit) unless this permit has been modified to reflect such new requirements.

### 8.2 Applicability of Title IV Requirements (Acid Deposition Control)

This source is not an affected source under Title IV of the CAA and is not subject to requirements pursuant to Title IV of the CAA.

### 8.3 Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any approved economic incentives, marketable permits, emissions trading, or other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement [Section 39.5(7)(o)(vii) of the Act].

### 8.4 Operational Flexibility/Anticipated Operating Scenarios

#### 8.4.1 Changes Specifically Addressed by Permit

Physical or operational changes specifically addressed by the Conditions of this permit that have been identified as not requiring Illinois EPA notification may be implemented without prior notice to the Illinois EPA.

#### 8.4.2 Changes Requiring Prior Notification

The Permittee is authorized to make physical or operational changes that contravene express permit terms without applying for or obtaining an amendment to this permit, provided that [Section 39.5(12)(a)(i) of the Act]:

- a. The changes do not violate applicable requirements;

- b. The changes do not contravene federally enforceable permit terms or conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements;
- c. The changes do not constitute a modification under Title I of the CAA;
- d. Emissions will not exceed the emissions allowed under this permit following implementation of the physical or operational change; and
- e. The Permittee provides written notice to the Illinois EPA, Division of Air Pollution Control, Permit Section, at least 7 days before commencement of the change. This notice shall:
  - i. Describe the physical or operational change;
  - ii. Identify the schedule for implementing the physical or operational change;
  - iii. Provide a statement of whether or not any New Source Performance Standard (NSPS) is applicable to the physical or operational change and the reason why the NSPS does or does not apply;
  - iv. Provide emission calculations which demonstrate that the physical or operational change will not result in a modification; and
  - v. Provide a certification that the physical or operational change will not result in emissions greater than authorized under the Conditions of this permit.

#### 8.5 Testing Procedures

Tests conducted to measure composition of materials; efficiency of pollution control devices; emissions from process or control equipment; or other process, emissions, or composition parameters shall be conducted using standard test methods. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result of a request by the Illinois EPA shall be submitted as specified in Condition 8.6.

## 8.6 Reporting Requirements

### 8.6.1 Monitoring Reports

If monitoring is required by any applicable requirements or conditions of this permit, a report summarizing required monitoring as specified in the conditions of this permit shall be submitted to the Compliance Section of the Bureau of Air every six months as follows [Section 39.5(7)(f) of the Act]:

<u>Monitoring Period</u>	<u>Report Due Date</u>
January - June	September 1
July - December	March 1

All instances of deviation from permit requirements must be clearly identified in such reports. All such reports shall be certified in accordance with Condition 9.9.

### 8.6.2 Test Reports

Unless otherwise specified elsewhere in the permit, the results of any test required by this permit shall be submitted to the Illinois EPA within 60 days of completion of the testing. The test report shall include at a minimum:

- a. The name and identification of the affected unit(s);
- b. The date and time of the sampling or measurements;
- c. The date any analyses were performed;
- d. The name of the company that performed the tests and/or analyses;
- e. The test and analytical methodologies used;
- f. The results of the tests and/or analyses; and
- g. The operating conditions at the time of the sampling or measurements.

### 8.6.3 Reporting Addresses:

- a. The following addresses should be utilized for the submittal of reports, notifications, and renewals:

- i. Illinois EPA - Air Compliance Section  
Illinois Environmental Protection Agency  
Bureau of Air  
Compliance Section (MC 40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276
  - ii. Illinois EPA - Air Regional Field Office  
Illinois Environmental Protection Agency  
Division of Air Pollution Control  
9511 West Harrison  
Des Plaines, Illinois 60016
  - iii. Illinois EPA - Air Permit Section  
Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Permit Section (MC-11)  
P.O. Box 19506  
Springfield, Illinois 62794-9506
  - iv. USEPA - Air Branch  
United States EPA (AE - 17J)  
Air and Radiation Branch (Illinois - Indiana)  
77 West Jackson Boulevard  
Chicago, Illinois 60604
- b. Unless otherwise specified in the particular provision of this permit, reports shall be sent to the Illinois EPA - Air Compliance Section with a copy sent to the Illinois EPA - Air Regional Field Office.

8.7 Obligation to comply with Title I requirements

Any term, condition, or requirement identified in this permit by T1, T1R, or T1N is established or revised pursuant to 35 IAC Part 203 or 40 CFR 52.21 ("Title I provisions") and incorporated into this permit pursuant to both Section 39.5 and Title I provisions. Notwithstanding the expiration date on the first page of this permit, the Title I conditions remain in effect pursuant to Title I provisions until the Illinois EPA deletes or revises them in accordance with Title I procedures.

## 9.0 STANDARD PERMIT CONDITIONS

### 9.1 Effect of Permit

- 9.1.1 The issuance of this permit does not release the Permittee from compliance with State and Federal regulations which are part of the Illinois State Implementation Plan, as well as with other applicable statutes and regulations of the United States or the State of Illinois or applicable ordinances, except as specifically stated in the permit and as allowed by law and rule [Section 39.5(7)(j)(iv) of the Act].
- 9.1.2 In particular, this permit does not alter or affect the following:
- a. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section;
  - b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
  - c. The applicable requirements of the acid rain program consistent with Section 408(a) of the CAA; and
  - d. The ability of USEPA to obtain information from a source pursuant to Section 114 (inspections, monitoring, and entry) of the CAA.
- 9.1.3 Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

### 9.2 General Obligations of Permittee

#### 9.2.1 Duty to Comply

The Permittee must comply with all terms and conditions of the permit. Any permit noncompliance constitutes a violation of the Clean Air Act and the Act and is grounds for any or all of the following: enforcement action, permit termination, revocation and reissuance, or modification, or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

The Permittee shall meet applicable requirements that become effective during the permit term in a timely manner unless an alternative schedule for compliance with the applicable requirement is established.

9.2.2 Duty to Maintain Equipment

The Permittee shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements.

9.2.3 Duty to Cease Operation

No person shall cause, threaten or allow the continued operation of any air emission unit during malfunction or breakdown of the emission unit or related air pollution control equipment if such operation would cause a violation of an applicable emission standard, regulatory requirement, ambient air quality standard, or permit limitation unless such malfunction or breakdown is allowed by a permit condition. [Section 39.5(6)(c) of the Act]

9.2.4 Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations or activities shall not cause a violation of the Act or regulations promulgated thereunder.

9.2.5 Duty to Pay Fees

The Permittee must pay fees to the Illinois EPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi)]. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois Environmental Protection Agency, P.O. Box 19276, Springfield, Illinois 62794-9276.

9.3 Obligation to Allow Illinois EPA Surveillance

Upon presentation of proper credentials and other documents as may be required by law and in accordance with constitutional limitations, the Permittee shall allow the Illinois EPA, or an authorized representative to perform the following [Section 39.5(7)(a) and (p)(ii) of the Act and 415 ILCS 5/4]:

- a. Enter upon the Permittee's premises where a CAAPP source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect during hours of operation any sources, equipment (including monitoring and air pollution control

equipment), practices, or operations regulated or required under this permit;

- d. Sample or monitor any substances or parameters at any location:
  - i. At reasonable times, for the purposes of assuring permit compliance; or
  - ii. As otherwise authorized by the CAA, or the Act.
- e. Obtain and remove samples of any discharge or emission of pollutants authorized by this permit; and
- f. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge, or emission at the source authorized by this permit.

#### 9.4 Obligation to Comply With Other Requirements

The issuance of this permit does not release the Permittee from applicable State and Federal laws and regulations and applicable local ordinances addressing subjects other than air pollution control.

#### 9.5 Liability

##### 9.5.1 Title

This permit shall not be considered as in any manner affecting the title of premises upon which the permitted source is located.

##### 9.5.2 Liability of Permittee

This permit does not release the Permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the facilities.

##### 9.5.3 Structural Stability

This permit does not take into consideration or attest to the structural stability of any unit or part of the source.

##### 9.5.4 IEPA Liability

This permit in no manner implies or suggests that the Illinois EPA (or its officers, agents, or employees) assumes any liability, directly or indirectly, for any

loss due to damage, installation, maintenance, or operation of the source.

#### 9.5.5 Property Rights

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

### 9.6 Recordkeeping

#### 9.6.1 Control Equipment Maintenance Records

A maintenance record shall be kept on the premises for each item of air pollution control equipment. As a minimum, this record shall show the dates of performance and nature of preventative maintenance.

#### 9.6.2 Records of Changes in Operation

A record shall be kept describing changes made at the source that result in emissions of regulated air pollutants subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes.

#### 9.6.3 Retention of Records

- a. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. [Section 39.5(7)(e)(ii) of the Act]
- b. Other records required by this permit shall be retained for a period of at least 5 years from the date of entry unless a longer period is specified by a particular permit provision.

### 9.7 Annual Emissions Report

The Permittee shall submit an annual emissions report to the Illinois EPA, Compliance Section no later than May 1 of the following year, as required by 35 IAC Part 254.

### 9.8 Requirements for Compliance Certification

Pursuant to Section 39.5(7)(p)(v) of the Act, the Permittee shall submit annual compliance certifications. The compliance certifications shall be submitted no later than May 1 or more frequently as specified in the applicable requirements or by

permit condition. The compliance certifications shall be submitted to the Air Compliance Section, Air Regional Field Office, and USEPA Region 5 - Air Branch. The addresses for the submittal of the compliance certifications are provided in Condition 8.6.4 of this permit.

- a. The certifications shall include descriptions on means to monitor the compliance of the source including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- b. All compliance certifications must be submitted to USEPA Region 5 in Chicago as well as to the Illinois EPA. [Section 39.5(7) (p) (v) (D) of the Act]
- c. All compliance reports required to be submitted shall include a certification in accordance with Condition 9.9.

#### 9.9 Certification

Any document (including reports) required by a CAAPP permit shall contain certification by a responsible official of the Permittee that meets the requirements of Section 39.5(5) of the Act [Section 39.5(7) (p) (i) of the Act]. An example Certification by a Responsible Official is included as an attachment to this permit.

#### 9.10 Defenses to Enforcement Action

##### 9.10.1 Need to Halt or Reduce Activity Not a Defense

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. [Section 39.5(7) (o) (ii) of the Act]

##### 9.10.2 Emergency Provision

- a. An emergency, shall be an affirmative defense to an action brought for noncompliance with the technology-based emission limitations under this permit if the following conditions are met through properly signed, contemporaneous operation logs, or other relevant evidence:

- i. An emergency occurred as provided in Section 39.5(7)(k) of the Act and the Permittee can identify the cause(s) of the emergency. The word "emergency" has the meaning set forth in Section 39.5(7)(k) of the Act. Normally, an act of God such as lightning or flood is considered an emergency;
  - ii. The permitted source was at the time being properly operated;
  - iii. The Permittee submitted notice of the emergency to the Illinois EPA within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - iv. During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or regulations in the permit.
- b. This provision is in addition to any emergency or upset provision contained in any applicable requirement. This provision does not relieve a Permittee of any reporting obligations under existing federal or state laws or regulations.

#### 9.11 Permanent Shutdown

This permit only covers emission sources and control equipment while physically present at the indicated plant location(s). Unless the permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shutdown. This permit expires if all equipment is removed, notwithstanding the expiration date specified on the permit.

#### 9.12 Reopening and Reissuing Permit for Cause

##### 9.12.1 Permit Actions

This permit may be modified, reopened, and reissued, for cause pursuant to Section 39.5(15) of the Act. The filing of a request by the Permittee for a permit modification, revocation, and reissuance, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

#### 9.12.2 Reopening and Revision

The permit must be reopened and revised if any of the following occur [Section 39.5(15) (a) of the Act]:

- a. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit, provided such reopening follows the provisions of Section 39.5(15) (a) (i) of the Act;
- b. Additional requirements become applicable to an affected source for acid deposition under the acid rain program;
- c. The Illinois EPA or USEPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or limitations, or other terms or conditions of the permit; and
- d. The Illinois EPA or USEPA determines that the permit must be revised to ensure compliance with the applicable requirements of the Act.

#### 9.12.3 Inaccurate Application

The Illinois EPA has issued this permit based upon information submitted by the Permittee in the permit application. Any misinformation, false statement, or misrepresentation in the application shall be grounds for revocation under Section 39.5(15) (a) (iii) of the Act.

#### 9.12.4 Duty to Provide Information

The Permittee shall furnish to the Illinois EPA, within a reasonable time specified by the Illinois EPA any information that the Illinois EPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the Permittee shall also furnish to the Illinois EPA copies of records required to be kept by the permit or, for information claimed to be confidential, the Permittee may furnish such records directly to USEPA along with a claim of confidentiality. [Section 39.5(7) (o) (v) of the Act]

#### 9.13 Severability Clause

The provisions of this permit are severable, and should any one or more be determined to be invalid or unenforceable, the validity of the other provisions shall not be affected. The rights and obligations of the Permittee shall be construed and

enforced as if the permit did not contain the particulate provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7) (i) of the Act]

#### 9.14 Permit Expiration and Renewal

The right to operate terminates on the expiration date unless the Permittee has submitted a timely and complete renewal application. For a renewal to be timely it must be submitted no later than 90 days prior to expiration. The equipment may continue to operate during the renewal period until final action is taken by the Illinois EPA, in accordance with the original permit conditions. [Section 39.5(5) (l), (n), and (o) of the Act]

10.0 ATTACHMENTS

10.1 Attachment 1 Example Certificate of Compliance

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

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Official Title: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Date Signed: \_\_\_\_\_

DES:JS:psj

10.2 Attachment 2 - Bakery Line #1 Emissions Summary

- a. Historic VOM Emissions (Prior to VOM Emissions Increase in 1995) of Bakery Line #1.

Baked Goods Production (T/yr)	VOM Emissions (T/yr)
14,945	41.1

- b. VOM Emissions after incorporation of 1995 VOM emissions increase from Bakery Line #1.

Baked Goods Production (T/yr)	VOM Emissions (T/yr)
23,464	64.5

- c. Potential increase in the emissions of VOM as a result of the replacement of the oven on Bakery Line #1 = 23.4 T/yr (64.5 - 41.1). There were no other modifications which resulted in an increase in VOM emissions at this source over the five years prior to the increase in 1995.

JS:psj