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1.0 SOURCE IDENTIFICATION

1.1 Source

Fedders Corporation
415 West Wabash Avenue
Effingham, Illinois 62401
217/342-3901

I.D. No.: 049025AAU
Standard Industrial Classification: 3585, Air-Conditioning and
Warm Air Heating Equipment
and Commercial

1.2 Owner/Parent Company

Fedders Corporation
415 West Wabash Avenue
Effingham, Illinois 62401

1.3 Operator

Fedders Corporation
415 West Wabash Avenue
Effingham, Illinois 62401

Derick Reedy
217/342-3901

1.4 General Source Description

Fedders Corporation is located at 415 West Wabash Avenue,
Effingham, Illinois, 62401. The source Fedders Corporation
manufacturers room air conditioners and dehumidifiers.

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
ERMS	Emissions Reduction Market System
F	degrees Fahrenheit
gal	gallon
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
K	degrees Kelvin
kpa	kilopascals
kg	kilogram
kW	kilowatts
LAER	Lowest Achievable Emission Rate
lb	pound
MACT	Maximum Achievable Control Technology
Mg	Megagram
mmBtu	Million British thermal units
mo	month
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards
PM	Particulate Matter
PM ₁₀	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
psia	pounds per square inch absolute
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
SO ₂	Sulfur Dioxide

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T	Ton
T1	Title I - identifies Title I conditions that have been carried over from an existing 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 permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOL	Volatile Organic Liquid
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:

None

- 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:

Tig Welder
Oil/ H₂O Separator
Resistant Spot Welders
Portable Arc Welders
Model Shop Coating Process (Touch-Up)
Glue Line
Repair Coating (Powder) System
Hand Held Brazers

- 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 organic liquids with a capacity of less than 10,000 gallons and an annual throughput of less than 100,000 gallons per year, provided the storage tank is not used for the storage of gasoline or any material listed as a HAP pursuant to Section 112(b) of the CAA [35 IAC 201.210(a)(10)].

Storage tanks of any size containing virgin or re-refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oils [35 IAC 201.210(a)(11)].

Gas turbines and stationary reciprocating internal combustion engines of between 112 kW and 1,118 kW (150 and 1,500 horsepower) power output that are emergency or standby units [35 IAC 201.210(a)(16)].

- 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,

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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
E-Coat Paint Operation	E-Coat Paint Operation Consists of 2 Washers, Electrodeposition Paint Dip Tank and Curing Oven (14.22 mmBtu/Hr)	10/88	None
Curing Oven	Oven (14.22 mmBtu/Hr) is Used to Dry Paint From the E-Coat Paint Operation	10/88	None
Repair Coating (Powder) Operation	The Powder Coat Operation is Used to Repair Blemished Metal	3/98	Collector Filters
Wire Coder Operation	Wire Coder Operation Colors Insulated Wire with Solvent Based Inks. The Operation Consists of Two (2) Coders and One (1) Mixing Booth	1970	None
Auto Brazer #1 Process	Natural Gas Automatic Brazer	1970	None
Auto Brazer #2 Process	Natural Gas Automatic Brazer	1994	None
Fin Press #1 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	1970	None
Fin Press #2 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	Approx. 1995	None
Fin Press #3 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	1992	None
Fin Press #4 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	1986	None
Fin Press #5 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	1986	None
Fin Press #6 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	Approx. 1995	None
Bulk Paint Storage Tank	Bulk Paint Storage Tank (Capacity: 5,260 Gallons)	10/88	None
Gasoline Storage Tank	Gasoline Storage Tank (Capacity: 500 Gallons)	1970	None

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Emission Unit	Description	Date Constructed	Emission Control Equipment
Model Shop Coating Operation	Model Shop Coating Operation for Sample Parts	Unknown	None
Glue Line Operation	Glue Line Operation	Unknown	None
Silk Screening Operation	Silk Screening Operation	7/99	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 because the source is subject to a standard, limitation, or other requirement under Section 111 (NSPS) or Section 112 (HAPs) of the CAA for which USEPA requires a CAAPP permit, or because the source is in a source category designated by the USEPA, pursuant to 40 CFR 70.3(a)(2), (3), and (5) (40 CFR 70.3 Applicability) [Section 39.5(2)(a)(ii) and (iv) of the Act].

5.1.2 This permit is issued based on the source not being a major source of HAPs.

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 overhead 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.

Compliance with this requirement is considered to be assured by the inherent nature of operations at this source, as demonstrated by historical operation.

- 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 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:
 - i. Illinois EPA, Compliance Section; and
 - ii. For sources located in Cook County and outside of the city of Chicago: Cook County Department of Environmental Control; or
 - iii. For sources located within the city of Chicago: 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 and/or does not have potential pre-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

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)	214.67
Sulfur Dioxide (SO ₂)	0.06
Particulate Matter (PM)	4.10
Nitrogen Oxides (NO _x)	6.19
HAP, not included in VOM or PM	---
Total	225.02

5.5.2 Emissions of Hazardous Air Pollutants

This permit is issued based on the emissions of HAPs as listed in Section 112(b) of the CAA 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

- a. The annual emissions from the source shall not exceed the limitations established in State Construction and Operating Permits, which have been attached hereto and incorporated herein by reference (see Attachment 2).
- b. The limitations in the State Construction and Operating Permits were established pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). These limits ensure that the construction and/or modification addressed in the aforementioned permits do not constitute a new major source or major modification pursuant to Title I of the CAA, specifically the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].
- c. 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) [T1].

5.6 General Recordkeeping Requirements

5.6.1 Emission Records

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:

Total annual emissions on a calendar year basis for the emission units covered by Section 7 (Unit Specific Conditions) of this permit.

5.6.2 Records for Operating Scenarios

N/A

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 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.

5.7.2 Annual Emissions Report

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

5.7.3 Annual Reporting of HAP Emissions

The Permittee shall submit an annual report to the Illinois EPA, Compliance Section, on HAP emissions from the source, including the following information, so as to demonstrate whether the source is being operated as a non-major source of HAP emissions. This report shall be submitted with the Annual Emissions Report (Condition 9.7).

- a. The annual emissions of individual HAPs for each month of the previous calendar year sufficient to demonstrate compliance with the 12 month running total of Condition 5.5.2, tons/year (e.g., for the month of January, the emissions from February of the preceding calendar year through January; for the month of February, the emissions from March of the preceding calendar year through February; 12 months in all); and

- b. The total emissions of all HAPs combined for each month of the previous calendar year sufficient to demonstrate compliance with the 12 month running total of Condition 5.5.2, tons/year (e.g., for the month of January, the emissions from February of the preceding calendar year through January; for the month of February, the emissions from March of the preceding calendar year through February; 12 months in all).

5.8 General Operational Flexibility/Anticipated Operating Scenarios

N/A

5.9 General Compliance Procedures

5.9.1 General Procedures for Calculating 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.

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6.0 NOT APPLICABLE TO THIS PERMIT

7.0 UNIT SPECIFIC CONDITIONS

7.1 Large Appliance Coating Operation and other VOM Emission Units

7.1.1 Description

The facility receives and stores raw steel, copper, aluminum, and other purchased parts for the manufacture of room air conditioners and dehumidifiers. Fabricated parts then go to either the welding, assembly, coil, or paint department. Parts requiring painting are placed on a conveyor which goes through two (2) washers, an electrodeposition paint system, a post rinse, and a natural gas fired curing oven. Blemished painted parts are refinished at a manual touch up spray booth.

7.1.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
E-Coat Paint Operation	E-Coat Paint Operation Consists of 2 Washers, Electrodeposition Paint Dip Tank and curing Oven	None
Repair Coating (Powder) Operation	The Operation is Used to Repair Blemished Metal. Insignificant Emission Source Activity However Source Included in Plant Wide VOM Emission Limitation (See Attachment 2)	Collector Filters
Model Shop Coating Operation	Model Shop Coating Operation for Sample Parts. Insignificant Emission Source Activity However Source Included in Plant Wide VOM Emission Limitation (See Attachment 2)	None
Fin Press #1 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	None
Fin Press #2 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	None
Fin Press #3 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	None
Fin Press #4 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	None

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Emission Unit	Description	Emission Control Equipment
Fin Press #5 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	None
Fin Press #6 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	None
Wire Coder Operation	Wire Coder Operation Colors Insulated Wire with Solvent Based Inks. The Operation Consists of Two (2) Coders and One (1) Mixing Booth	None
Glue Line Operation	Glue Line Operation. Insignificant Emission Source Activity However Source Included in Plant Wide VOM Emission Limitation (See Attachment 2)	None
Auto Brazier #1 Process	Copper End Loops are Assembled to A/C Coils with Brazing Rings and Conveyorized Through a Natural Gas (3 mmBtu/hr) Automatic Brazier	None
Auto Brazier #2 Process	Copper End Loops are Assembled to A/C Coils with Brazing Rings and Conveyorized Through a Natural Gas (1.5 mmBtu/hr) Automatic Brazier	None
Silk Screening Operation	Silk Screening Operation	None

7.1.3 Applicability Provisions and Applicable Regulations

- a. The "affected coating operations and the affected all other VOM emission units" for the purpose of these unit-specific conditions, are units described in Conditions 7.1.1 and 7.1.2.
- b. Each affected unit is subject to the emission limits identified in Condition 5.2.2.
- c. The affected coating operations and the affected all other VOM emission units are subject to 35 IAC Part 212 Subpart A: General Provisions and Part 212 Subpart L: Particulate Matter Emissions from Process Emission Units. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)

- d. The affected coating operations are subject to 35 IAC Part 215 Subpart A: General Provisions and Subpart F: Coating Operations. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)
- e. The affected all other VOM emission units are subject to 35 IAC Part 215 Subpart A: General Provisions and Subpart K: Use of Organic Material. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)

7.1.4 Non-Applicability of Regulations of Concern

- a. This permit is issued based on the affected units not being subject to the New Source Performance Standards (NSPS) for Industrial Surface Coating: Large Appliances, 40 CFR Part 60, Subpart SS, because the affected units do not meet the definition of Large Appliance Product for the NSPS.
- b. This permit is issued based on the affected coating operations and the affected all other VOM emission units not being subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the affected coating operations and the affected all other VOM emission units does not use an add-on control device to achieve compliance with an emission limitation or standard and/or does not have potential pre-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

7.1.5 Operational and Production Limits and Work Practices

- a. Each affected automatic brazing unit shall only be operated with natural gas as the fuel.
- b. The Permittee shall follow good operating practices for the filters, including periodic inspection, routine maintenance and prompt repair of defects.

7.1.6 Emission Limitations

In addition to Condition 5.2.2 and the source wide emission limitations in Condition 5.5, the affected coating operations are subject to the following:

- a. The affected coating operations and the affected all other VOM emission units are subject to emission limitations established in State Construction and Operating Permits, which have been attached hereto and incorporated herein by reference. (See Attachment 2)
- b. The limitations in the State Construction and Operating Permits were established pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). These limits ensure that the construction and/or modification addressed in the aforementioned permits do not constitute a new major source or major modification pursuant to Title I of the CAA, specifically the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].
- c. 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) [T1].

7.1.7 Testing Requirements

- a. The affected coating operations are subject to the applicable testing requirements in 35 IAC Part 215 Subpart A and F. This regulation is attached hereto and incorporated herein by reference. (See Attachment 1)
- b. The affected coating operations and the affected all other VOM emission units are subject to the applicable testing requirements established in State Construction and Operating Permits, which have been attached hereto and incorporated herein by reference. (See Attachment 2).

7.1.8 Monitoring Requirements

None

7.1.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for each affected coating operation to demonstrate compliance with Conditions 5.5.1, 7.1.3, 7.1.5 and 7.1.6 pursuant to Section 39.5(7)(b) of the Act:

- a. The affected coating operations are subject to the applicable recordkeeping requirements in 35 IAC Part 215, Subparts A and F. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)
- b. The affected coating operations and the affected all other VOM emission units are subject to the applicable recordkeeping requirements established in State Construction and Operating Permits, which have been attached hereto and incorporated herein by reference. (See Attachment 2)

7.1.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of an affected coating operation 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:

- a. The affected coating operations are subject to the applicable reporting requirements in 35 IAC Part 215, Subparts A and F. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)
- b. The affected coating operations and the affected all other VOM emission units are subject to the applicable reporting requirements established in State Construction and Permits, which have been attached hereto and incorporated herein by reference. (See Attachment 2)
- c. Emissions from or operation of an affected coating operation and the affected all other VOM emission units in excess of the limits specified in Conditions 7.1.3, 7.1.5, and 7.1.6 within 30 days of such occurrence.

7.1.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

7.1.12 Compliance Procedures

- a. Compliance with Condition 7.1.3(c) is demonstrated by proper operating Conditions of the affected coating

operations and the affected all other VOM emission units.

- b. Compliance with Condition 7.1.3(d) shall be demonstrated by the records required in Condition 7.1.9.
- c. Compliance with Condition 7.1.3(e) is considered to be assured by the inherent nature of the operations at this source, as demonstrated by historical operation.
- d. Compliance with the emission limits in Conditions 5.5 and 7.1.6 shall be based on the recordkeeping requirements in Condition 7.1.9 and the following as listed below:
 - i. The affected coating operations are subject to the applicable compliance requirements in 35 IAC Part 215, Subparts A and F. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)
 - ii. The affected coating operations and the affected all other VOM emission units are subject to the applicable compliance requirements established in State Construction and Permits, which have been attached hereto and incorporated herein by reference. (See Attachment 2)

7.2 Fuel Combustion Unit

7.2.1 Description

A natural gas curing oven rated at 14.22 mmBtu/hr is used to cure the paint from the e-coat painting system operation. Natural gas is the only fuel used in the curing oven.

7.2.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
Curing Oven	Oven (14.22 mmBtu/Hr) is Used to Dry Paint From the E-Coat Paint System Operation	None

7.2.3 Applicability Provisions and Applicable Regulations

- a. The "affected combustion unit" for the purpose of these unit-specific conditions, is a fuel combustion unit described in Conditions 7.2.1 and 7.2.2.
- b. The affected combustion unit is subject to the emission limits identified in Condition 5.2.2.
- c. The affected combustion unit is subject to 35 IAC Part 216 Subpart A: General Provisions and Part 216 Subpart B: Fuel Combustion Emission Sources. These regulations are attached hereto and incorporated herein by reference (see Attachment 1).
 - i. No person shall cause or allow the emission of carbon monoxide into the atmosphere from any fuel combustion emission source with actual heat input greater than 10 mmBtu/hr to exceed 200 ppm, corrected to 50 percent excess air [35 IAC 216.121].

7.2.4 Non-Applicability of Regulations of Concern

- a. This permit is issued based on the affected combustion unit not being subject to the New Source Performance Standards (NSPS) for Small Industrial - Commercial - Institutional Steam Generating Units, 40 CFR Part 60, Subpart Dc, because the affected combustion unit construction, modification, or reconstruction was commenced before June 9, 1989.

- b. The provisions of 35 IAC 215.301 and 302, Use of Organic Material, shall not apply to fuel combustion emission sources [35 IAC 215.303].
- c. This permit is issued based on the affected combustion unit not being subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the affected combustion unit does not use an add-on control device to achieve compliance with an emission limitation or standard.

7.2.5 Operational and Production Limits and Work Practices

- a. Natural gas shall be the only fuel fired in the affected combustion unit.

7.2.6 Emission Limitations

There are no specific emission limitations for this unit, however, there are source wide emission limitations in Condition 5.5 that include this unit.

7.2.7 Testing Requirements

None

7.2.8 Monitoring Requirements

None

7.2.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected combustion unit to demonstrate compliance with Conditions 5.5.1 and 7.2.6, pursuant to Section 39.5(7)(b) of the Act:

- a. Natural gas usage from the affected combustion unit, mmscf/mo and mmscf/year.
- b. Emissions of NO_x, SO₂, PM, CO, and VOM from the affected combustion unit, ton/mo and ton/yr.

7.2.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the affected

combustion unit 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:

- a. Emissions from or operation of an affected combustion unit in excess of the limits specified in Conditions 7.2.5 and 7.2.6 within 30 days of such occurrence.

7.2.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

7.2.12 Compliance Procedures

- a. Compliance with Condition 7.2.3(c) is demonstrated by proper operating conditions of the affected combustion unit.
- b. Compliance with the emission limits in Conditions 5.5 and 7.4.6 shall be based on the recordkeeping requirements in Condition 7.4.9 and the emission factors and formulas listed below:
 - i. Emission factors for the affected combustion unit when fired by natural gas:

<u>Pollutant</u>	<u>Emission Factors (lb/mmscf)</u>
VOM	5.5
PM	7.6
SO ₂	0.6
NO _x	100
CO	84

The emission factors (lb/mmscf) are for Natural Gas-Fired Small Boilers (<100 mmBtu/hr Heat Input) from AP-42 Section 1.4 (dated 7/98).

- ii. Emission formula for the affected combustion unit when fired by natural gas:

$$\text{(Combustion unit Emissions, lb)} = \text{(The Appropriate Emission Factor, lb/mmscf)} \times \text{(Combustion unit Natural Gas Usage, mmscf)}$$

7.3 Bulk Storage Tanks

7.3.1 Description

Two storage tanks (one 5,260 gallon and one 500 gallon) used for onsite use.

7.3.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
Bulk Paint Storage Tank	Bulk Paint Storage Tank (Capacity: 5,260 Gallons)	None
Gasoline Storage Tank	Gasoline Storage Tank (Capacity: 500 Gallons)	None

7.3.3 Applicability Provisions and Applicable Regulations

- a. The "affected storage tanks" for the purpose of these unit-specific conditions, are storage tanks described in Conditions 7.3.1 and 7.3.2.
- b. The affected storage tanks are subject to the emission limits identified in Condition 5.2.2.
- c. The affected storage tanks are subject to 35 IAC Part 215 Subpart A: General Provisions and Part 215 Subpart B: Organic Emissions from Storage and Loading Operations. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)
 - i. No person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the Illinois EPA according to the provisions of 35 IAC 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2) [35 IAC 215.122(b)].
 - ii. Exception: If no odor nuisance exists the limitations of Condition 7.3.3(c) shall only apply to the loading of volatile organic liquid with a vapor pressure of 17.24 kPa (2.5

psia) or greater at 294.3°K (70°F) [35 IAC 215.122(c)].

- d. The affected storage tanks are subject to 35 IAC Part 215 Subpart A: General Provisions and Part 215 Subpart B: Organic Emissions from Storage and Loading Operations. These regulations are attached hereto and incorporated herein by reference (see Attachment 1).
 - i. No person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary storage tank at a gasoline dispensing facility unless the tank is equipped with a submerged loading pipe [35 IAC 215.583(a)(1)].

7.3.4 Non-Applicability of Regulations of Concern

- a. This permit is issued based on each affected storage tank not being subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60, Subpart Kb, because each affected storage tank is less than 40 cubic meters (10,566 gallons) or construction, reconstruction, or modification commenced before July 23, 1984.
- b. This permit is issued based on each affected storage tank not being subject to 35 IAC 215.121, because each affected storage tank is less than 40,000 gallons.
- c. This permit is issued based on each affected storage tank not being subject to 35 IAC 215.122(a), because each affected storage tank is less than 40,000 gallons.
- d. The requirements of 35 IAC 215.583(a)(2) shall not apply to transfers of gasoline to a stationary storage tank at a gasoline dispensing facility because the tank is not located in any of the following counties: Boone, Cook, DuPage, Kane, Lake, Madison, McHenry, Peoria, Rock Island, St. Clair, Tazewell, Will or Winnebago [35 IAC 215.583(b)].
- e. This permit is issued based on each affected storage tank not being subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary

Sources, because each affected storage tank does not use an add-on control device to achieve compliance with an emission limitation or standard.

7.3.5 Operational and Production Limits and Work Practices

a. The affected storage tanks are subject to the applicable operational and production limits and work practices of 35 IAC Part 215 Subpart A: General Provisions and Part 215 Subpart B: Organic Emissions from Storage and Loading Operations and 35 IAC Part 215 Subpart B: Organic Emissions from Storage and Loading Operations. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)

i. The affected storage tanks subject to the applicable provisions of Condition 7.3.3(c) (loading of volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F)) or Condition 7.3.3(d) (loading of gasoline) shall be equipped and operated with a submerged loading pipe, submerged fill, or an equivalent device approved by the Illinois EPA, pursuant to 35 IAC 215.122(b) and 215.583(a). (The Illinois EPA has not approved use of other equivalent equipment in lieu of a submerged loading pipe or submerged loading fill.)

7.3.6 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.

7.3.7 Testing Requirements

None

7.3.8 Monitoring Requirements

None

7.3.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected storage tanks to demonstrate compliance

with Conditions 5.5.1 and 7.3.5, pursuant to Section 39.5(7)(b) of the Act:

- a. The affected storage tanks are subject to the applicable recordkeeping in 35 IAC Part 215 Subpart A: General Provisions and Part 215 Subpart B: Organic Emissions from Storage and Loading Operations and 35 IAC Part 215 Subpart B: Organic Emissions from Storage and Loading Operations. These regulations are attached hereto and incorporated herein by reference. (See Attachment 1)
 - i. Design information for the affected storage tanks showing the presence of permanent submerged loading pipe or the use of submerged loading fill when loading of volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F) or loading of gasoline.
- b. Maintenance and repair records for the affected storage tanks, as related to the repair or replacement of the loading pipe.
- c. Identification and throughput of each material stored in the affected storage tanks, gal/yr.
- d. The VOM emissions from the affected storage tanks based on the materials stored, the tank throughputs, and the applicable emission factors and formulas with supporting calculations, ton/yr.

7.3.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the affected storage tanks 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:

- a. Any storage of VOL in the affected storage tanks that is not in compliance with the requirements of Conditions 7.3.3(c) or 7.3.3(d) within 30 days of becoming aware of the non-compliance status. This notification shall include a description of the event, the cause for the non-compliance, actions taken to correct the non-compliance, and the steps taken to avoid future non-compliance.

7.3.11 Operational Flexibility/Anticipated Operating Scenarios

The Permittee is authorized to make the following physical or operational change with respect to the affected storage tanks 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. Changes to components related to either the submerged loading pipe or submerged fill, including addition of new components and repair and replacement of components.
- b. Changes in the material stored in the affect storage tank, provided the affected storage tanks continues to comply with the Conditions of Section 7.3 of this permit.

7.3.12 Compliance Procedures

- a. Compliance with Conditions 7.3.3(c) and 7.3.3(d) is considered to be assured by the use of submerged loading pipe or submerged fill as required in Condition 7.3.5(a) and by the recordkeeping requirement of Condition 7.3.9(a).
- b. Compliance with the emission limits in Conditions 5.5 shall be based on the recordkeeping requirements in Condition 7.3.9 and the emission factors and formulas listed below:
 - i. For purposes of calculating VOM emissions, the current version of the USEPA's Tanks Program is acceptable.

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 _____ **{insert public notice start date}** (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 USEPA approved economic incentives, marketable permits, emissions trading, and 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 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 the required monitoring results, as specified in the conditions of this permit, shall be submitted to the Air Compliance Section of the Illinois EPA 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 deviations 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 Notifications

Unless otherwise specified elsewhere in this permit, a written test plan for any test required by this permit shall be submitted to the Illinois EPA for review at least 60 days prior to the testing pursuant to Section 39.5(7)(a) of the Act. The notification shall include at a minimum:

- a. The name and identification of the affected unit(s);
- b. The person(s) who will be performing sampling and analysis and their experience with similar tests;
- c. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the source and any control equipment will be determined;

- d. The specific determination of emissions and operation which are intended to be made, including sampling and monitoring locations;
- e. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods;
- f. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification; and
- g. Any proposed use of an alternative test method, with detailed justification.

8.6.3 Test Reports

Unless otherwise specified elsewhere in this 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 [Section 39.5(7)(e)(i) of the Act]:

- 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 including raw data, and/or analyses including sample calculations;
- g. The operating conditions at the time of the sampling or measurements; and
- h. The name of any relevant observers present including the testing company's representatives, any Illinois EPA or USEPA representatives, and the representatives of the source.

8.6.4 Reporting Addresses

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

FINAL DRAFT/PROPOSED CAAPP PERMIT
Fedders Corporation
I.D. No.: 049025AAU
Application No.: 98010081
September 6, 2002

- i. Illinois EPA - Air Compliance Section

Illinois Environmental Protection Agency
Bureau of Air
Compliance Section (#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
2009 Mall Street
Collinsville, Illinois 62234
 - iii. Illinois EPA - Air Permit Section (MC 11)

Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section
P.O. Box 19506
Springfield, Illinois 62794-9506
 - iv. USEPA Region 5 - Air Branch

USEPA (AR - 17J)
Air & Radiation Division
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 this 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 this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action, permit termination, revocation and reissuance, 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 alternate 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 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) of the Act]. 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, 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 an actual or potential emission unit is located; where any regulated equipment, operation, or activity is located 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 the 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 sources.

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 Illinois EPA 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 [Section 39.5(7)(o)(iv) of the Act].

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 activities.

9.6.2 Records of Changes in Operation

A record shall be kept describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes [Section 39.5(12)(b)(iv) of the Act].

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 this 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 certification shall include the identification of each term or condition of this 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 shall be submitted to USEPA Region 5 in Chicago as well as to the Illinois EPA.
- 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 to be submitted by this permit shall contain a 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 Defense to Enforcement Actions

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 operating 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. 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 this 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 units and control equipment while physically present at the indicated source location(s). Unless this 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 shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this 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

This 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;
- 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 this permit contains a material mistake or inaccurate statement when establishing the emission standards or limitations, or other terms or conditions of this permit; and
- d. The Illinois EPA or USEPA determines that this 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 the 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)(b) 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 this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the Illinois EPA copies of records required to be kept by this 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 illegal 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 this permit did not contain the particular 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 9 and no sooner than 12 months 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)(1), (n), and (o) of the Act].

10.0 ATTACHMENTS

- 10.1 Attachment 1 Applicable State of Illinois Rules and Regulations, Title 35: Environmental Protection, Subtitle B: Air Pollution, Chapter I: Pollution Control Board, Subchapter c: Emission Standards and Limitations for Stationary Sources

**PART 212
VISIBLE AND PARTICULATE MATTER EMISSIONS**

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212.321 Process Emission Units For Which Construction or
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212.701	Contingency Measure Plans, Submittal and Compliance Date
212.702	Determination of Contributing Sources
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Appendix B	Section into Rule Table
Appendix C	Past Compliance Dates
Illustration A	Allowable Emissions From Solid Fuel Combustion Emission Sources Outside Chicago (Repealed)
Illustration B	Limitations for all New Process Emission Sources (Repealed)
Illustration C	Limitations for all Existing Process Emission Sources (Repealed)
Illustration D	McCook Vicinity Map
Illustration E	Lake Calumet Vicinity Map
Illustration F	Granite City Vicinity Map

AUTHORITY: Implementing Section 10 and authorized by Section 27 and 28.5 of the Environmental Protection Act [415 ILCS 5/10, 27 and 28.5].

SOURCE: Adopted as Chapter 2: Air Pollution, Rules 202 and 203: Visual and Particulate Emission Standards and Limitations, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R77-15, 32 PCB 403, at 3 Ill. Reg. 5, p. 798, effective February 3, 1979; amended in R78-10, 35 PCB 347, at 3 Ill. Reg. 39, p. 184, effective September 28, 1979; amended in R78-11, 35 PCB 505, at 3 Ill. Reg. 45, p. 100, effective October 26, 1979; amended in R78-9, 38 PCB 411, at 4 Ill. Reg. 24, p. 514, effective June 4, 1980; amended in R79-11, 43 PCB 481, at 5 Ill. Reg. 11590, effective October 19, 1981; codified at 7 Ill. Reg. 13591; amended in R82-1 (Docket A) at 10 Ill. Reg. 12637, effective July 9, 1986; amended in R85-33 at 10 Ill. Reg. 18030, effective October 7, 1986; amended in R84-48 at 11 Ill. Reg. 691, effective December 18, 1986; amended in R84-42 at 11 Ill. Reg. 1410, effective December 30, 1986; amended in R82-1 (Docket B) at 12 Ill. Reg. 12492, effective July 13, 1988; amended in R91-6 at 15 Ill. Reg. 15708, effective October 4, 1991; amended in R89-7(B) at 15 Ill. Reg. 17710, effective November 26, 1991; amended in R91-22 at 16 Ill. Reg. 7880, effective May 11, 1992; amended in R91-35 at 16 Ill. Reg. 8204, effective May 15, 1992; amended in R93-30 at 18 Ill. Reg. 11587, effective July 11, 1994; amended in R96-5 at 20 Ill. Reg. 7605, effective May 22, 1996).

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

PART 212
VISIBLE AND PARTICULATE MATTER EMISSIONS

SUBPART A: GENERAL

Section 212.100 Scope and Organization

- a. This Part contains standards and limitations for visible and particulate matter emissions from stationary emission units.
- b. Permits for sources subject to this Part may be required pursuant to 35 Ill. Adm. Code 201.
- c. Notwithstanding the provisions of this Part, the air quality standards contained in 35 Ill. Adm. Code 243 may not be violated.
- d. This Part includes Subparts which are arranged as follows:
 - i. Subpart A: General Provisions;
 - ii. Subpart B: Visible Emissions;
 - iii. Subparts C-J: Incinerators and Fuel Combustion Emission Units;
 - iv. Subparts K-M: Fugitive and Process Emission Units;
 - v. Subparts N-T: Site specific and industry specific rules; and
 - vi. Subpart U: Additional control measures.
- e. Rules have been grouped for the convenience of the public; the scope of each is determined by its language and history.

(Source: Amended at 20 Ill. Reg.7605, effective May 22, 1996)

Section 212.107 Measurement Method for Visible Emissions

For both fugitive and nonfugitive particulate matter emissions, a determination as to the presence or absence of visible emissions from emission units shall be conducted in accordance with Method 22, 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Subpart, except that the length of the observing period shall be at the discretion of the observer, but

not less than one minute. This Subpart shall not apply to Section 212.301 of this Part.

(Source: Amended at 20 Ill. Reg.7605, effective May 22, 1996)

Section 212.108 Measurement Methods for PM-10 Emissions and Condensable PM-10 Emissions

- a. Emissions of PM-10 shall be measured by any of the following methods at the option of the owner or operator of an emission unit.
 - i. Method 201, 40 CFR part 51, Appendix M, incorporated by reference in Section 212.113 of this Subpart.
 - ii. Method 201A, 40 CFR part 51, Appendix M, incorporated by reference in Section 212.113 of this Subpart.
 - iii. Method 5, 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Subpart, provided that all particulate matter measured by Method 5 shall be considered to be PM-10.
- b. Emissions of condensable PM-10 shall be measured by Method 202, 40 CFR part 51, Appendix M, incorporated by reference in Section 212.113 of this Subpart.
- c. The volumetric flow rate and gas velocity for stack test methods shall be determined in accordance with Methods 1, 1A, 2, 2A, 2C, 2D, 3, or 4, 40 CFR part 60, Appendix A, incorporated by reference in Section 212.113 of this Subpart.
- d. Upon a written notification by the Illinois Environmental Protection Agency (Agency), the owner or operator of a PM-10 emission unit subject to this Section shall conduct the applicable testing for PM-10 emissions, condensable PM-10 emissions, opacity, or visible emissions at such person's own expense, to demonstrate compliance. Such test results shall be submitted to the Agency within thirty (30) days after conducting the test unless an alternative time for submittal is agreed to by the Agency.
- e. A person planning to conduct testing for PM-10 or condensable PM-10 emissions to demonstrate compliance shall give written notice to the Agency of that intent. Such notification shall be given at least thirty (30) days prior to initiation of the test unless a shorter pre-notification is agreed to by the Agency. Such

notification shall state the specific test methods from subsection (a) of this Section that will be used.

- f. The owner or operator of an emission unit subject to this Section shall retain records of all tests which are performed. These records shall be retained for at least three (3) years after the date a test is performed.
- g. This Section shall not affect the authority of the United States Environmental Protection Agency (USEPA) under Section 114 of the Clean Air Act (CAA) (42 U.S.C. § 7414 (1990)).

(Source: Amended at 20 Ill. Reg.7605, effective May 22, 1996)

Section 212.109 Measurement Methods for Opacity

Except as otherwise provided in this Part, and except for the methods of data reduction when applied to Sections 212.122 and 212.123 of this Part, measurements of opacity shall be conducted in accordance with Method 9, 40 CFR part 60, Appendix A, and the procedures in 40 CFR 60.675(c) and (d), if applicable, incorporated by reference in Section 212.113 of this Subpart, except that for roadways and parking areas the number of readings required for each vehicle pass will be three taken at 5-second intervals. The first reading shall be at the point of maximum opacity and second and third readings shall be made at the same point, the observer standing at right angles to the plume at least 15 feet away from the plume and observing 4 feet above the surface of the roadway or parking area. After four vehicles have passed, the 12 readings will be averaged.

(Source: Amended at 20 Ill. Reg.7605, effective May 22, 1996)

SUBPART A: GENERAL

Section 212.110 Measurement Methods For Particulate Matter

- a. Measurement of particulate matter emissions from stationary emission units subject to this Part shall be conducted in accordance with 40 CFR part 60, Appendix A, Methods 5, 5A, 5D, or 5E, as incorporated by reference in Section 212.113 of this Subpart.
- b. The volumetric flow rate and gas velocity shall be determined in accordance with 40 CFR part 60, Appendix A, Methods 1, 1A, 2, 2A, 2C, 2D, 3, and 4, incorporated by reference in Section 212.113 of this Subpart.

- c. Upon a written notification by the Agency, the owner or operator of a particulate matter emission unit subject to this Part shall conduct the applicable testing for particulate matter emissions, opacity, or visible emissions at such person's own expense, to demonstrate compliance. Such test results shall be submitted to the Agency within thirty (30) days after conducting the test unless an alternative time for submittal is agreed to by the Agency.
- d. A person planning to conduct testing for particulate matter emissions to demonstrate compliance shall give written notice to the Agency of that intent. Such notification shall be given at least thirty (30) days prior to the initiation of the test unless a shorter period is agreed to by the Agency. Such notification shall state the specific test methods from this Section that will be used.
- e. The owner or operator of an emission unit subject to this Part shall retain records of all tests which are performed. These records shall be retained for at least three (3) years after the date a test is performed.
- f. This Section shall not affect the authority of the USEPA under Section 114 of the CAA.

(Source: Amended at 20 Ill. Reg.7605, effective May 22, 1996)

Section 212.111 Abbreviations and Units

- a. The following abbreviations are used in this Part:

Btu	British thermal units (60 1/4°F)
dscf	dry standard cubic foot
Ft	foot
ft ²	square feet
Fpm	feet per minute
Gal	gallon
gr	grains
gr/scf	grains per standard cubic foot
gr/dscf	grains per dry standard cubic foot
Hr	hour
J	Joule
Kg	kilogram
kg/MW-hr	kilograms per megawatt-hour
Km	kilometer
L	liter
Lbs	pounds

lbs/hr	pounds per hour
lbs/mmBtu	pounds per million Btu
M	meter
m ²	square meters
Mph	miles per hour
Mg	milligram
mg/scm	milligrams per standard cubic meter
mg/dscm	milligrams per dry standard cubic meter
mg/L	milligrams per liter
Mg	megagram, metric ton or tonne
Mi	mile
mmBtu	million British thermal units
mmBtu/hr	million British thermal units per hour
MW	megawatt; one million watts
MW-hr	megawatt-hour
µg	nanogram; one billionth of a gram
µg/J	nanograms per Joule
scf	standard cubic foot
scfm	standard cubic feet per minute
scm	standard cubic meter
T	short ton (2000 lbs)
yd ²	square yards

b. The following conversion factors have been used in this Part:

English	Metric
2.205 lb	1 kg
1 T	0.907 Mg
1 lb/T	0.500 kg/Mg
mmBtu/hr	0.293 MW
1 lb/mmBtu	1.548 kg/MW-hr or 430 µg/J
1 mi	1.61 km
1 gr	64.81 mg
1 gr/scf	2289 mg/scm
1 ft ²	0.0929 m ²
1 ft	0.3048 m
1 gal	3.785 L

(Source: Amended at 20 Ill. Reg.7605, effective May 22, 1996)

Section 212.112 Definitions

The definitions of 35 Ill. Adm. Code 201 and 211 apply to this Part.

(Source: Added and codified at 7 Ill. Reg. 13591)

Section 212.113 Incorporations by Reference

The following materials are incorporated by reference. These incorporations do not include any later amendments or editions.

- a. 40 CFR part 60, Appendix A (1991):
 - i. Method 1: Sample and Velocity Traverses for Stationary Sources;
 - ii. Method 1A: Sample and Velocity Traverses for Stationary Source with Small Stacks or Ducts;
 - iii. Method 2: Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S pitot tube);
 - iv. Method 2A: Direct Measurement of Gas Volume Through Pipes and Small Ducts;
 - v. Method 2C: Determination of Stack Gas Velocity and Volumetric Flow Rate in Small Stacks or Ducts (Standard Pitot Tube);
 - vi. Method 2D: Measurement of Gas Volumetric Flow Rates in Small Pipes and Ducts;
 - vii. Method 3: Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight;
 - viii. Method 4: Determination of Moisture Content in Stack Gases;
 - ix. Method 5: Determination of Particulate Emissions From Stationary Sources;
 - x. Method 5A: Determination of Particulate Emissions From the Asphalt Processing and Asphalt Roofing Industry;
 - xi. Method 5D: Determination of Particulate Matter Emissions From Positive Pressure Fabric Filters;
 - xii. Method 5E: Determination of Particulate Emissions From the Wool Fiberglass Insulation Manufacturing Industry;

- xiii. Method 9: Visual Determination of the Opacity of Emissions from Stationary Sources;
- xiv. Method 22: Visual Determination of Fugitive Emissions from Material Sources and Smoke Emissions from Flares.
- b. 40 CFR part 51 Appendix M (1994):
 - i. Method 201: Determination of PM-10 Emissions;
 - ii. Method 201A: Determination of PM-10 Emissions (Constant Sampling Rate Procedure);
 - iii. Method 202: Determination of Condensable Particulate Emissions from Stationary Sources.
- c. 40 CFR 60.672(b), (c), (d) and (e) (1991).
- d. 40 CFR 60.675(c) and (d) (1991).
- e. ASAE Standard 248.2, Section 9, Basis for Stating Drying Capacity of Batch and Continuous-Flow Grain Dryers, American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, MI 49085.
- f. U.S. Sieve Series, ASTM-E11, American Society of Testing Materials, 1916 Race Street, Philadelphia, PA 19103.
- g. Standard Methods for the Examination of Water and Wastewater, Section 209C, "Total Filterable Residue Dried at 103 - 105° C," 15th Edition, 1980, American Public Health Association, 1015 Fifteenth Street, N.W., Washington, D.C. 20005.
- h. "Guideline on the Identification and Use of Air Quality Data Affected by Exceptional Events," U.S. Environmental Protection Agency, Office of Air and Radiation, Office of Air Quality Planning and Standards Monitoring and Data Analysis Division, Research Triangle Park, N.C. 27711, EPA-450/4-86-007 July 1986.
- i. "Guideline on Air Quality Models (Revised)," U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, N.C. 27711, EPA-450/2-78-027R July 1986.

- j. 40 CFR 50, Appendix K (1992), "Interpretation of the National Ambient Air Quality Standard for Particulate Matter".

(Source: Amended at 20 Ill. Reg.7605, effective May 22, 1996)

**PART 212
VISIBLE AND PARTICULATE MATTER EMISSIONS**

SUBPART L: PARTICULATE MATTER EMISSIONS FROM PROCESS EMISSION UNITS

Section 212.321 Process Emission Units For Which Construction or Modification Commenced On or After April 14, 1972

- a. No person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321 [35 IAC 212.321(a)].
- b. Interpolated and extrapolated values of the data in subsection (c) of 35 IAC 212.321 shall be determined by using the equation [35 IAC 212.321(b)]:

$$E = A(P)^B$$

Where:

P = Process weight rate; and
E = Allowable emission rate; and,

- i. Up to process weight rates of 408 Mg/hr (450 T/hr):

	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lb/hr
A	1.214	2.54
B	0.534	0.534

- ii. For process weight rate greater than or equal to 408 Mg/hr (450 T/hr):

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	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lb/hr
A	11.42	24.8
B	0.16	0.16

c. Limits for Process Emission Units For Which Construction or Modification Commenced On or After April 19, 1972 [35 IAC 212.321(c)]:

Metric		English	
P	E	P	E
Mg/hr	kg/hr	T/hr	lb/hr
0.05	0.25	0.05	0.55
0.1	0.29	0.10	0.77
0.2	0.42	0.2	1.10
0.3	0.64	0.30	1.35
0.4	0.74	0.40	1.58
0.5	0.84	0.50	1.75
0.7	1.00	0.75	2.40
0.9	1.15	1.00	2.60
1.8	1.66	2.00	3.70
2.7	2.1	3.00	4.60
3.6	2.4	4.00	5.35
4.5	2.7	5.00	6.00
9.0	3.9	10.00	8.70
13.0	4.8	15.00	10.80
18.0	5.7	20.00	12.50
23.0	6.5	25.00	14.00
27.0	7.1	30.00	15.60
32.0	7.7	35.00	17.00
36.0	8.2	40.00	18.20
41.0	8.8	45.00	19.20
45.0	9.3	50.00	20.50
90.0	13.4	100.00	29.50
140.0	17.0	150.00	37.00
180.0	19.4	200.00	43.00
230.0	22.0	250.00	48.50
270.0	24.0	300.00	53.00
320.0	26.0	350.00	58.00
360.0	28.0	400.00	62.00
408.0	30.1	450.00	66.00
454.0	30.4	500.00	67.00

**PART 212
 VISIBLE AND PARTICULATE MATTER EMISSIONS**

SUBPART L: PARTICULATE MATTER EMISSIONS FROM PROCESS EMISSION UNITS

Section 212.321 Process Emission Units For Which Construction or Modification Commenced Prior to After April 14, 1972

10.4.1 Process Emission Units for Which Construction or Modification Commenced Prior to After April 14, 1972

- a. No person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit for which construction or modification commenced prior to April 14, 1972, which, either alone or in combination with the emission of particulate matter from all other similar process emission at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.322 [35 IAC 212.322(a)].
- b. Interpolated and extrapolated values of the data in subsection (c) of 35 IAC 212.321 shall be determined by using the equation [35 IAC 212.322(b)]:

$$E = C + A(P)^B$$

Where:

P = Process weight rate; and
 E = Allowable emission rate; and,

- i. Up to process weight rates up to 27.2 Mg/hr (30 T/hr):

	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lb/hr
A	1.985	4.10
B	0.67	0.67
C	0	0

- ii. For process weight rate in excess of 27.2 Mg/hr (30 T/hr):

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	Metric	English
P	Mg/hr	T/hr
E	kg/hr	lb/hr
A	25.21	55.0
B	0.11	0.11
C	-18.4	-40.0

c. Limits for Process Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972 [35 IAC 212.322(c)]:

Metric		English	
P	E	P	E
Mg/hr	kg/hr	T/hr	lb/hr
0.05	0.27	0.05	0.55
0.1	0.42	0.10	0.87
0.2	0.68	0.2	1.40
0.3	0.89	0.30	1.83
0.4	1.07	0.40	2.22
0.5	1.25	0.50	2.58
0.7	1.56	0.75	3.38
0.9	1.85	1.00	4.10
1.8	2.9	2.00	6.52
2.7	3.9	3.00	8.56
3.6	4.7	4.00	10.40
4.5	5.4	5.00	12.00
9.0	8.7	10.00	19.20
13.0	11.1	15.00	25.20
18.0	13.8	20.00	30.50
23.0	16.2	25.00	35.40
27.2	18.15	30.00	40.00
32.0	18.8	35.00	41.30
36.0	19.3	40.00	42.50
41.0	19.8	45.00	43.60
45.0	20.2	50.00	44.60
90.0	23.2	100.00	51.20
140.0	25.3	150.00	55.40
180.0	26.5	200.00	58.60
230.0	27.7	250.00	61.00
270.0	28.5	300.00	63.10
320.0	29.4	350.00	64.90
360.0	30.0	400.00	66.20
400.0	30.6	450.00	67.70
454.0	31.3	500.00	69.00

PART 215

ORGANIC MATERILA EMISSION STANDARDS AND LIMITATIONS

SUBPART A: GENERAL

Section

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AUTHORITY: Implementing Sections 9.1 and 10 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/9.1, 10 and 27].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 205: Organic Material Emission Standards and Limitations, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R77-3, 33 PCB 357, at 3 Ill. Reg. 18, p. 41, effective May 3, 1979; amended in R78-3 and R78-4, 35 PCB 75, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5 at 7 Ill. Reg. 1244, effective

January 21, 1983; codified at 7 Ill. Reg. 13601 Corrected at 7 Ill. Reg. 14575; amended in R82-14 at 8 Ill. Reg. 13254, effective July 12, 1984; amended in R83-36 at 9 Ill. Reg. 9114, effective May 30, 1985; amended in R82-14 at 9 Ill. Reg. 13960, effective August 28, 1985; amended in R85-28 at 11 Ill. Reg. 3127, effective February 3, 1987; amended in R82-14 at 11 Ill. Reg. 7296, effective April 3, 1987; amended in R85-21(A) at 11 Ill. Reg. 11770, effective June 29, 1987; recodified in R86-39 at 11 Ill. Reg. 13541; amended in R82-14 and R86-12 at 11 Ill. Reg. 16706, effective September 30, 1987; amended in R85-21(B) at 11 Ill. Reg. 19117, effective November 9, 1987; amended in R86-36, R86-39, R86-40 at 11 Ill. Reg. 20829, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 815, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7311, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7650, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10893, effective June 27, 1989; amended in R88-30(A) at 14 Ill. Reg. 3555, effective February 27, 1990; emergency amendments in R88-30A at 14 Ill. Reg. 6421, effective April 11, 1990, for a maximum of 150 days; amended in R88-19 at 14 Ill. Reg. 7596, effective May 8, 1990; amended in R89-16(A) at 14 Ill. Reg. 9173, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 3309, effective February 15, 1991; amended in R88-14 at 15 Ill. Reg. 8018, effective May 14, 1991; amended in R91-7 at 15 Ill. Reg. 12217, effective August 19, 1991; amended in R91-10 at 15 Ill. Reg. 15595, effective October 11, 1991; amended in R89-7(B) at 15 Ill. Reg. 17687, effective November 26, 1991; amended in R91-9 at 16 Ill. Reg. 3132, effective February 18, 1992; amended in R91-24 at 16 Ill. Reg. 13555, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13849, effective August 24, 1992; amended in R98-15 at 22 Ill. Reg. 11427, effective June 19, 1998.

PART 215

SUBPART A: GENERAL PROVISIONS

Section 215.100 Introduction

- a. This Part contains standards and limitations for emissions of organic material from stationary sources located in areas other than the Chicago area counties of Cook, DuPage, Kane, Lake, McHenry, and Will, the Townships of Aux Sable and Goose Lake in Grundy County, and the Township of Oswego in Kendall County, and the Metro East area counties of Madison, Monroe, and St. Clair. Standards and limitations applying in the Chicago area are set forth in 35 Ill. Adm. Code 218. Standards and limitations applying in the Metro East area are set forth in 35 Ill. Adm. Code 219.

- i. Notwithstanding any other provision of this Part, the provisions of this Part shall not apply to sources located in the Chicago area counties of Cook, DuPage, Kane, Lake, McHenry, and Will, the Townships of Aux Sable and Goose Lake in Grundy County, and the Township of Oswego in Kendall County, unless the provisions of 35 Ill. Adm. Code Part 218 applicable to such sources are voided or otherwise made ineffective pursuant to Section 218.100 of 35 Ill. Adm. Code Part 218.
 - ii. Notwithstanding any other provision of this Part, the provisions of this Part shall not apply to sources in the Metro East area counties of Madison, Monroe and St. Clair unless the provisions of 35 Ill. Adm. Code Part 219 applicable to such sources are voided or otherwise made ineffective pursuant to Section 219.100 of 35 Ill. Adm. Code Part 219.
- b. Sources subject to this Part may be subject to the following:
- i. Permits required under 35 Ill. Adm. Code 201;
 - ii. Air quality standards under 35 Ill. Adm. Code 243.
- c. This Part is divided into Subparts which are grouped as follows:
- i. Subpart A: General Provisions;
 - ii. Subpart B - J: Emissions from equipment and operations in common to more than one industry;
 - iii. Subparts K - M: Emissions from use of organic material;
 - iv. Subpart N - end: Special rules for various industry groups.

(Source: Amended at 16 Ill. Reg. 13849, effective August 24, 1992)

Section 215.101 Clean-up and Disposal Operations

Emission of organic material released during clean-up operations and disposal shall be included with other emissions of organic

material from the related emission source or air pollution control equipment in determining total emissions.

(Source: Amended at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.102 Testing Methods

Volatile organic material or organic material concentrations in a stream is measured by Method 18, 40 CFR 60, Appendix A, incorporated by reference in Section 215.105, Measurement of Gaseous Organic Compounds incorporated by reference in 215.105 except as follows. ASTM D-4457, incorporated by reference in Section 215.105, may be used for halogenated organic compounds. Method 25, 25A or 25B, 40 CFR 60, Appendix A, incorporated by reference in 215.105 may be substituted for Method 18 provided the source owner or operator submits calibration data and other proof that this method provides the information in the emission units of the applicable standard. The volumetric flow rate and gas velocity is determined in accordance with Methods 1, 1A, 2, 2A, 2C, 2D, 3 and 4, 40 CFR Part 60, Appendix A, incorporated by reference in 215.105. Any other alternate test method must be approved by the Agency, which shall consider data comparing the performance of the proposed alternative to the performance of the approved test method(s). If the Agency determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test method(s), the Agency shall approve the proposed alternative.

(Source: Amended at 15 Ill. Reg. 8018, effective May 14, 1991)

Section 215.103 Abbreviations and Conversion Factors

a. The following abbreviations are used in this Part:

bbl	barrels (42 gal)
C	degrees Celsius or centigrade
cu in	cubic inches
F	degrees Fahrenheit
ft	foot
g	gram
g/mole	grams per mole
gal	gallon
hr	hour
in	inch
K	degrees Kelvin
kcal	kilocalorie
kg	kilogram
kg/hr	kilograms per hour

kPa	kilopascals; one thousand newtons per square meter
l	liter
lb	pound
lbs/hr	pounds per hour
lbs/gal	pounds per gallon
m	meter
Mg	megagram, metric ton or tonne
min	minute
MJ	megajoules
mm Hg	millimeters of mercury
ml	milliliter
ppm	parts per million
ppmv	parts per million by volume
psi	pounds per square inch
psia	pounds per square inch absolute
psig	pounds per square inch gauge
scm	standard cubic meters
T	English ton

- b. The following conversion factors have been used in this Part:

English	Metric
1 gal	3.785 l
1000 gal	3,785 l or 3.785 cubic meters
1 psia	6.897 kPa (51.71 mm Hg)
2.205 lbs	1 kg
1 bbl	159.01 l
1 cu in	16.39 ml
1 lb/gal	119,800 mg/l
1T	0.907 mg

(Source: Amended at 12 Ill. Reg. 815, effective December 24, 1987)

Section 215.104 Definitions

The definitions of 35 Ill. Adm. Code 201 and 211 apply to this Part, as well as the definitions contained in this Section. Where the definition contained in this Section is more specific than that found in 35 Ill. Adm. Code 201 or 211, it shall take precedence in application of this Part.

“Furniture Coating Application Line”: The combination of coating application equipment, flash-off area, spray booths, ovens, conveyors, and other equipment operated in

a predetermined sequence for purpose of applying coating to wood furniture.

"In Vacuum Service:" For the purposes of Subpart Q, Sections 215.430 through 215.438 equipment which is operating at an internal pressure that is at least 5 kPa (0.73 psia) below ambient pressure.

"Opaque Stains": All stains containing pigments not classified as semi-transparent stains including stains, glazes and other opaque material to give character to wood.

"Reid vapor pressure": is the standardized measure of the vapor pressure of a liquid in pounds per square inch absolute (psia) at 100° F (37.8° C).

(Source: Amended at 22 Ill. Reg. 11427, effective June 19, 1998)

Section 215.105 Incorporation by Reference

The following materials are incorporated by reference:

- a. American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:
 - i. ASTM D 1644-59 Method A
 - ii. ASTM D 1475-60
 - iii. ASTM D 2369-81
 - iv. ASTM D 2879-83 (Approved 1983); ASTM D 2879-86 (Approved 1986)
 - v. ASTM D 323-82 (Approved 1982)
 - vi. ASTM D 86-82 (Approved 1982)
 - vii. ASTM E 260-73 (Approved 1973), E 168 - 67 (Reapproved 1977), E 169 - 63 (Reapproved 1981), E 20 (Approved 1985)
 - viii. ASTM D 97-66
 - ix. ASTM D 1946-67
 - x. ASTM D 2382-76

- xi. ASTM D 2504-83
- xii. ASTM D 2382-83
- xiii. ASTM D-4057-81 (Approved 1981)
- xiv. ASTM D-4177-82 (Approved 1982)
- xv. ASTM D-4953-89
- xvi. ASTM D-4457-85

- b. Federal Standard 141a, Method 4082.1.
- c. National Fire Codes, National Fire Protection Association, Battery March Park, Quincy, Massachusetts 02269 (1979).
- d. United States Environmental Protection Agency, Washington, D.C., EPA-450/2-77-026, Appendix A.
- e. United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051 Appendix A and Appendix B (December 1978).
- f. Standards Industrial Classification Manual, published by Executive Office of the President, Office of Management and Budget, Washington, D.C., 1972.
- g. 40 CFR 60 (1989).
- h. United States Environmental Protection Agency, Washington D.C., EPA-450/2-78-041.
- i. 40 CFR 80, Appendices D, E, and F (1989).
- j. Elsevier Scientific Publishing Co., New York, "The Vapor Pressure of Pure Substances" (1973), Boublik, T., V. Fried and E. Hala.
- k. McGraw-Hill Book Company, "Perry's Chemical Engineer's Handbook" (1984).
- l. Chemical Rubber Publishing Company, "CRC Handbook of Chemistry and Physics" (1968-87).
- m. McGraw-Hill Book Company, "Lange's Handbook of Chemistry" (1985) John A. Dean, editor.

- n. United States Environmental Protection Agency, Washington D.C., "Control of Volatile Organic Emissions from Manufacture of Synthesized Pharmaceutical Products", (EPA-450/2-78-029).

BOARD NOTE: The incorporations by reference listed above contain no later amendments or editions.

(Source: Amended at 15 Ill. Reg. 8018, effective May 14, 1991)

Section 215.106 Afterburners

The operation of any oil fired or natural gas fired after-burner and capture system used to comply with this Part of any section thereof is not required during the period of November 1 of any year to April 1 of the following year provided that:

- a. The operation of such devices is not required for purposes of occupational safety or health, or for the control of toxic substances, odor nuisances or other regulated pollutants; and
- b. Such devices are operated for the duration of any period for which an ozone advisory, alert or emergency has been declared pursuant to 35 Ill. Adm. Code 244.

(Source: Amended at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.107 Determination of Applicability

- a. In determining the applicability of regulations in this Part which are qualified by "when averaged over the preceding three calendar years" the "preceding three calendar years" shall mean:
 - i. The three years preceding the date by which compliance is required for purposes of determining initial applicability to existing sources;
 - ii. Any consecutive three year period for purposes of determining applicability to sources not previously subject to the regulation on the date by which compliance is required.
- b. Sources to which the regulation has been applicable at any time shall continue to be subject to the applicable limitations even if operations change so as to result in

an average which is below that which initially made the regulation applicable to those sources' operations.

(Source: Added in R85-21(A) at 11 Ill. Reg. 11770, effective June 29, 1987)

Section 215.108 Measurement of Vapor Pressures

a. Vapor Pressure of Volatile Organic Liquids

- i. If the volatile organic liquid consists of only a single compound, the vapor pressure shall be determined by ASTM Method D 2879-86, or the vapor pressure may be obtained from a published source such as "The Vapor Pressure of Pure Substances," "Perry's Chemical Engineer's Handbook," "CRC Handbook of Chemistry and Physics," or "Lange's Handbook of Chemistry," each source incorporated by reference at Section 215.105.
- ii. If the volatile organic liquid is a mixture, the vapor pressure shall be determined by ASTM Method D 2879-86 or by the following equation:

$$P_{vol} = \sum_{i=1}^n P_i X_i$$

Where:

P_{vol} = Total vapor pressure of the mixture.

n = Number of components in the mixture.

i = Subscript denoting an individual component.

P_i = Vapor pressure of a component determined in accordance with subsection (a)(1).

X_i = Mole fraction of the component in the total mixture.

b. Vapor Pressure of Organic Material or Solvent

- i. If the organic material or solvent consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86, or the vapor pressure may be obtained from a published source such as "The Vapor Pressure of Pure Substances," "Perry's

Chemical Engineer's Handbook," "CRC Handbook of Chemistry and Physics," or "Lange's Handbook of Chemistry," each source incorporated by reference at Section 215.105.

- ii. If the organic material or solvent is a mixture made up of both organic material compounds and compounds which are not organic material, the vapor pressure shall be determined by the following equation:

$$P_{om} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

Where:

P_{om} = Total vapor pressure of the portion of the mixture which is composed of organic material.

n = Number of organic material components in the mixture.

i = Subscript denoting an individual component.

P_i = Vapor pressure of an organic material component determined in accordance with subsection (b)(1).

X_i = Mole fraction of the organic material component of the total mixture.

- iii. If the organic material or solvent is a mixture made up of only organic material compounds, the vapor pressure shall be determined by ASTM Method D2879-86 or by the above equation.

c. Vapor Pressure of Volatile Organic Material

- i. If the volatile organic material consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86, or the vapor pressure may be obtained from a published source such as "The Vapor Pressure of Pure Substances," "Perry's Chemical Engineer's Handbook," "CRC Handbook of Chemistry and Physics," or "Lange's Handbook of

Chemistry," each source incorporated by reference at Section 215.105.

- ii. If the volatile organic material is a mixture made up of both volatile organic material compounds and compounds which are not volatile organic material, the vapor pressure shall be determined by the following equation:

$$P_{vom} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

Where:

P_{vom} = Total vapor pressure of the portion of the mixture which is composed of volatile organic material.

n = Number of volatile organic material components in the mixture.

i = Subscript denoting an individual component.

P_i = Vapor pressure of a volatile organic material component determined in accordance with subsection (c)(1).

X_i = Mole fraction of the volatile organic material component of the total mixture.

- iii. If the volatile organic material is a mixture made up of only volatile organic material compounds, the vapor pressure shall be determined by ASTM D2879-86 or by the above equation.

(Source: Added at 15 Ill. Reg. 8018, effective May 14, 1991)

SUBPART A: GENERAL PROVISIONS

Section 215.109 Monitoring for Negligibly-Reactive Compounds

Any provision of 35 Ill. Adm. Code 211 notwithstanding, the Agency may require an owner or operator to submit monitoring or testing methods and results for any of the compounds listed at 35 Ill. Adm. Code 211.7150 as exempted from the definition of "volatile organic material" demonstrating the amount of exempted

compounds in the source's emissions, as a precondition to such exemption, where direct quantification of volatile organic material emissions is not possible due to any of the following circumstances which make it necessary to quantify the exempt compound emissions in order to quantify volatile organic material emissions:

- a. VOMs and exempted compounds are mixed together in the same emissions;
- b. There are a large number of exempted compounds in the same emissions; or
- c. The chemical composition of the exempted compounds in the emissions is not known.

Board Note: Derived from the USEPA "Recommended Policy on the Control of Volatile Organic Compounds", as amended at 56 Fed. Reg. 11418, March 18, 1991, and subsequently codified as 40 CFR 51.100(s), as added at 57 Fed. Reg. 3941 (Feb. 3, 1992). See also 35 Ill. Adm. Code 211.7150 for the basic definition of "volatile organic material." USEPA is not bound by any state determination as to monitoring. 40 CFR 51.100(s)(4).

(Source: Amended at 22 Ill. Reg. 11427, effective June 19, 1998)

PART 215
SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING
OPERATIONS

Section 215.121 Storage Containers

No person shall cause or allow the storage of any volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 K (70 F) or any gaseous organic material in any stationary tank, reservoir or other container of more than 151 cubic meters (40,000 gal) capacity unless such tank, reservoir or other container:

- a. Is a pressure tank capable of withstanding the vapor pressure of such liquid or the pressure of the gas, so as to prevent vapor or gas loss to the atmosphere at all times; or,
- b. Is designed and equipped with one of the following vapor loss control devices:

- i. A floating roof which rests on the surface of the volatile organic liquid and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the volatile organic liquid has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3°K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.
- ii. A vapor recovery system consisting of:
 - A. A vapor gathering system capable of collecting 85% or more of the uncontrolled volatile organic material that would be otherwise emitted to the atmosphere; and,
 - B. A vapor disposal system capable of processing such volatile organic material so as to prevent its emission to the atmosphere. No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tank, reservoir or other container except during sampling.
- iii. Other equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 201.

(Source: Amended at 12 Ill. Reg. 815, effective December 24, 1987)

Section 215.122 Loading Operations

- a. No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere during the loading of any organic material from the aggregate loading pipes of any loading facility having through-put of greater than 151 cubic meters per day (40,000 gal/day) into any railroad tank car, tank truck or trailer unless such loading facility is equipped with submerged loading pipes, submerged fill, or a device that is equally effective in controlling emissions and is approved by the Agency according to the provisions of 35 Ill. Adm. Code 201.

- b. No person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the Agency according to the provisions of 35 Ill. Adm. Code 201 or unless such tank is a pressure tank as described in Section 215.121(a) or is fitted with a recovery system as described in Section 215.121(b)(2).
- c. Exception: If no odor nuisance exists the limitations of this Section shall only apply to the loading of volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F).

(Source: Amended at 14 Ill. Reg. 9173, effective May 23, 1990)

Section 215.123 Petroleum Liquid Storage Tanks

- a. The requirements of subsection (b) below shall not apply to any stationary storage tank:
- i. Equipped before January 1, 1979 with one of the vapor loss control devices specified in Section 215.121(b) of this Part, except Section 215.121(b)(1) of this Part;
 - ii. With a capacity of less than 151.42 cubic meters;
 - iii. With a capacity of less than 1,600 cubic meters (422,400 gallons) and used to store produced crude oil and condensate prior to custody transfer;
 - iv. With a capacity of less than 1,430 cubic meters (378,000 gallons) and used to store produced oil or condensate in crude oil gathering;
 - v. Subject to new source performance standards for storage vessels of petroleum liquid, 40 CFR 60, incorporated by reference in Section 215.105 of this Part. *The provisions of Section 111 of the Clean Air Act...relating to standards of performance for new stationary sources...are applicable in this State and are enforceable under [The Environmental Protection Act].* (Ill. Rev. Stat., Ch. 111 1/2, par. 1009.1(b)).
 - vi. In which volatile petroleum liquid is not stored; or

vii. Which is a pressure tank as described in Section 215.121(a) of this Part.

- b. Subject to subsection (a) above no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless:
- i. The tank is equipped with one of the vapor loss control devices specified in Section 215.121(b) of this Part;
 - ii. There are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof;
 - iii. All openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:
 - A. The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank;
 - B. Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and
 - C. Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting;
 - iv. Routine inspections of floating roof seals are conducted through roof hatches once every six months;
 - v. A complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect; and
 - vi. A record of the results of each inspection conducted under subsection (b)(4) or (b)(5) above is maintained.

- c. Owners and operators of petroleum liquid storage tanks were required to have compliance schedules as summarized in Appendix C of this Part.

(Source: Amended at 16 Ill. Reg. 13849, effective August 24, 1992)

Section 215.124 External Floating Roofs

- a. In addition to meeting the requirements of Section 215.123(b), no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:
- i. The tank has been fitted with a continuous secondary seal extending from the floating roof to the tank wall (rim mounted secondary seal) or any other device which controls volatile organic material emissions with an effectiveness equal to or greater than a rim mounted secondary seal;
 - ii. Each seal closure device meets the following requirements:
 - A. The seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall; and
 - B. The accumulated area of gaps exceeding 0.32 centimeter (1/8 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter of tank diameter (1.0 square inches per foot of tank diameter).
 - iii. Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers across at least 90 percent of the area of the opening;
 - iv. Openings are equipped with projections into the tank which remain below the liquid surface at all times;
 - v. Inspections are conducted prior to May 1 of each year to insure compliance with subsection (a);
 - vi. The secondary seal gap is measured prior to May 1 of each year;

- vii. Records of the types of volatile petroleum liquid stored, the maximum true vapor pressure of the liquid as stored, the results of the inspections and the results of the secondary seal gap measurements are maintained and available to the Agency, upon verbal or written request, at any reasonable time for a minimum of two years after the date on which the record was made.
- b. Subsection (a) does not apply to any stationary storage tank equipped with an external floating roof:
 - i. Exempted under Section 215.123(a)(2) through 215.123(a)(6);
 - ii. Of welded construction equipped with a metallic-type shoe seal having a secondary seal from the top of the shoe seal to the tank wall (shoe-mounted secondary seal);
 - iii. Of welded construction equipped with a metallic-type shoe seal, a liquid-mounted foam seal, or a liquid-mounted liquid-filled-type seal, or other closure device of equivalent control efficiency approved by the Agency in which a petroleum liquid with a true vapor pressure less than 27.6 kPa (4.0 psia) at 294.3°K (70°F) is stored; or
 - iv. Used to store crude oil.

(Source: Amended at 14 Ill. Reg. 9173, effective May 23, 1990)

Section 215.125 Compliance Dates and Geographical Areas

- a. Except as otherwise stated in subsection (b), every owner or operator of an emission source subject to Sections 215.123 or 215.124 shall comply with its standards and limitations by December 31, 1983.
- b. If an emission source is not located in one of the counties listed below and is also not located in any county contiguous thereto, the owner or operator of the emission source shall comply with the requirements of Sections 215.123 and 215.124 no later than December 31, 1987:

Cook	Macoupin
DuPage	Madison
Kane	Monroe
Lake	Saint Clair

(BOARD NOTE: These counties are proposed to be designated as nonattainment by the United States Environmental Protection Agency at 47 Fed. Reg. 31588, July 21, 1982).

- c. Notwithstanding subsection (b), if any county is designated as nonattainment by the United States Environmental Protection Agency (USEPA) at any time subsequent to the effective date of this Section, the owner or operator of an emission source located in that county or any county contiguous to that county who would otherwise be subject to the compliance date in subsection (b) shall comply with the requirements of Sections 215.123 and 215.124 within one year from the date of redesignation but in no case later than December 31, 1987.

(Source: Adopted at 7 Ill. Reg. 1244, effective January 21, 1983)

Section 215.126 Compliance Plan

- a. The owner or operator of an emission source subject to Section 215.125(a) shall submit to the Agency a compliance plan as required by 35 Ill. Adm. Code 201.241, including a project completion schedule where applicable, no later than April 21, 1983.
- b. The owner or operator of an emission source subject to Section 215.125(b) shall submit to the Agency a compliance plan, including a project completion schedule where applicable, no later than December 31, 1986.
- c. The owner or operator of an emission source subject to Section 215.125(c) shall submit a compliance plan, including a project completion schedule within 90 days after the date of redesignation, but in no case later than December 31, 1986.
- d. Unless the submitted compliance plan or schedule is disapproved by the Agency, the owner or operator of a facility or emission source subject to the rules specified in subsections (a), (b) or (c) may operate the emission source according to the plan and schedule as submitted.
- e. The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.241 including specific interim dates as required in 35 Ill. Adm. Code 201.242.

(Source: Adopted at 7 Ill. Reg. 1244, effective January 21, 1983)

Section 215.127 Emissions Testing

- a. Any tests of organic material emissions, including tests conducted to determine control equipment efficiency, shall be conducted in accordance with the methods and procedures specified in Section 215.102.
- b. Upon a reasonable request by the Agency, the owner or operator of an organic material emission source required to comply with this Subpart shall conduct emissions testing, at such person's own expense, to demonstrate compliance.
- c. A person planning to conduct an organic material emission test to demonstrate compliance with this Subpart shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

(Source: Added at 14 Ill. Reg. 9173, effective May 23, 1990)

Section 215.128 Measurement of Seal Gaps

- a. Any measurements of secondary seal gaps shall be conducted in accordance with the methods and procedures specified in 40 CFR 60, Subpart Kb incorporated by reference in Section 215.105.
- b. A person planning to conduct a measurement of seal gaps to demonstrate compliance with this Subpart shall notify the Agency of that intent not less than 30 days before the planned performance of the tests so the Agency may observe the test.

(Source: Added at 14 Ill. Reg. 9173, effective May 23, 1990)

**PART 215
SUBPART F: COATING OPERATIONS**

Section 215.202 Compliance Schedules

Owners or operators of coating lines were required to take certain actions to achieve compliance which are set forth in Appendix C.

(Source: Amended at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.204 Emission Limitations for Manufacturing Plants

No owner or operator of a coating line shall cause or allow the emission of volatile organic material to exceed the following limitations on coating materials, excluding water and any compounds which are specifically exempted from the definition of volatile organic material pursuant to this Part, delivered to the coating applicator:

a. Automobile or Light Duty Truck Manufacturing Plants

i.	In Boone County	<u>kg/l</u>	<u>lb/gal</u>
	Prime Coat	0.14	(1.2)
	Prime Surfacer Coat	0.34	(2.8)
	Top Coat	0.34	(2.8)

(BOARD NOTE: The top coat limitation shall not apply if by December 31, 1984 a limitation of 0.43 kg/l (3.6 lb/gal) is achieved and the top coat is applied with a transfer efficiency of not less than 55 percent and by December 31, 1986, the top coat is applied with a transfer efficiency of not less than 65 percent)

	0.58	(4.8)
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ii.	In the Remaining Counties	<u>kg/l</u>	<u>lb/gal</u>
	Prime Coat	0.14	(1.2)
	Prime Surfacer Coat	0.34	(2.8)
	Top Coat	0.34	(2.8)
	Final Repair Coat	0.58	(4.8)

b. Can Coating kg/l lb/gal

i.	Sheet Basecoat and Overvarnish	0.34	(2.8)
ii.	Exterior Basecoat and Overvarnish	0.34	(2.8)
iii.	Interior Body Spray Coat	0.51	(4.2)
iv.	Exterior End Coat	0.51	(4.2)
v.	Side Seam Spray Coat	0.66	(5.5)
vi.	End Sealing Compound Coat	0.44	(3.7)

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c.	Paper Coating	<u>kg/l</u>	<u>lb/gal</u>
i.	All paper coating except as provided in subsection (c)(2)	0.35	(2.9)
ii.	Specialty High Gloss Catalyzed Coating	0.42	(3.5)

(BOARD NOTE: These limitations shall not apply to equipment used for both printing and paper coating)

d.	Coil Coating	0.31	(2.6)
e.	Fabric Coating	0.35	(2.9)
f.	Vinyl Coating	0.45	(3.8)
g.	Metal Furniture Coating	0.36	(3.0)
h.	Large Appliance Coating	0.34	(2.8)

(BOARD NOTE: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 liters (1 quart) in any one eight-hour period)

i.	Magnet Wire Coating	<u>kg/l</u> 0.20	<u>lb/gal</u> (1.7)
j.	Miscellaneous Metal Parts and Products Coating		
i.	Clear coating	0.52	(4.3)
ii.	Air Dried Coating	0.42	(3.5)
iii.	Extreme Performance Coating	0.42	(3.5)
iv.	Power Driven Fastener Coating		
	A. Nail Coating	Refer to limits in (j) (1), (2), (3) and (5)	
	B. Staple, Brad and Finish Nail Unit Fabrication Bonding Coating	0.64	(5.3)

C.	Staple, Brad and Finish Nail Incremental Fabrication Lubricity Coating	0.64	(5.3)
D.	Staple, Brad and Finish Nail Incremental Fabrication Withdrawal Resistance Coating	0.60	(5.0)
E.	Staple, Brad and Finish Nail Unit Fabrication Coating	0.64	(5.3)
v.	All Other Coatings	0.36	(3.0)

(BOARD NOTE: The least restrictive limitation shall apply if more than one limitation pertains to a specific coating)

k.	Heavy Off-highway Vehicle Products	<u>kg/l</u>	<u>lb/gal</u>
i.	In Macoupin County		
	Extreme Performance Prime Coat	0.42	(3.5)
	Extreme Performance Top Coat- Air Dried	0.42	(3.5)
	Final Repair Coat-Air Dried	0.42	(3.5)
	High-Temperature Aluminum Coating Used at Existing Diesel-Electric Locomotive Manufacturing Plants	0.72	(6.0)
ii.	In the Remaining Counties		
	Extreme Performance Prime Coat	0.42	(3.5)
	Extreme Performance Top Coat- Air Dried	0.52	(4.3)
	Final Repair Coat- Air Dried	0.58	(4.8)
l.	Wood Furniture Coating	<u>kg/l</u>	<u>lb/gal</u>
i.	Clear Topcoat	0.67	(5.6)
ii.	Opaque Stain	0.56	(4.7)
iii.	Pigmented Coat	0.60	(5.0)

iv.	Repair Coat	0.67	(5.6)
v.	Sealer	0.67	(5.6)
vi.	Semi-Transparent Stain	0.79	(6.6)
vii.	Wash Coat	0.73	(6.1)

(BOARD NOTE: The repair coat has overall transfer efficiency of 30 percent; all others have an overall transfer efficiency of 65 percent.)

(Source: Amended at 22 Ill. Reg. 11427, effective June 19, 1998)

Section 215.205 Alternative Emission Limitations

Owners or operators of coating lines subject to Section 215.204 may comply with this Section, rather than with Section 215.204. The methods or procedures used to determine emissions of organic material under this Section shall be approved by the Agency. Emissions of volatile organic material from emission units subject to Section 215.204, are allowable, notwithstanding the limitations in Section 215.204, if:

- a. For those emission units subject to Section 215.204(b), the emissions are controlled by an afterburner system which provides:
 - i. 75% reduction in the overall emissions of volatile organic material from the coating line, and
 - ii. Oxidation to carbon dioxide and water of 90% of the nonmethane volatile organic material (measured as total combustible carbon) which enters the afterburner.

- b. For all other emission units subject to Section 215.204, the emissions are controlled by an afterburner system which provides:
 - i. 81% reduction in the overall emissions of volatile organic material from the coating line, and
 - ii. Oxidation to carbon dioxide and water of 90% of the nonmethane volatile organic material (measured at total combustible carbon) which enters the afterburner.

- c. The system used to control such emissions is demonstrated to have control efficiency equivalent to or greater than that provided under the applicable provision of Section 215.204 or subsection (a) or (b).

(Source: Amended at 22 Ill. Reg. 11427, effective June 19, 1998)

Section 215.206 Exemptions from Emission Limitations

- a. The limitations of this Subpart shall not apply to:
 - i. Coating plants in which emissions of volatile organic material as limited by the operating permit will not exceed 22.7 Mg/year (25 T/year), in the absence of air pollution control equipment; or
 - ii. Coating plants in which the total coating usage does not exceed 9,463 l/yr (2,500 gal/yr); or
 - iii. Sources used exclusively for chemical or physical analysis or determination of product quality and commercial acceptance provided that:
 - A. The operation of the source is not an integral part of the production process;
 - B. The emissions from the source do not exceed 363 kg (800 lbs) in any calendar month; and
 - C. The exemption is approved in writing by the Agency.
- b. The limitations of this Subpart shall not apply to touch-up and repair coatings used by a coating source described in Sections 215.204(b), (d), (f), (g), (i), and (j) of this Subpart; provided that the source-wide volume of such coatings does not exceed 0.95 l (1 quart) per eight-hour period or exceed 209 l/yr (55 gal/yr) for any rolling twelve-month period. Recordkeeping and reporting for touch-up and repair coatings shall be consistent with subsection (c) of this Section.
- c. The owner or operator of a coating line or a group of coating lines using touch-up and repair coatings that are exempted from the limitations of Sections 215.204(b), (d), (f), (g), (i), and (j) of this Subpart because of the provisions of subsection (b) of this Section shall:

- i. Collect and record the name, identification number, and volume of each touch-up and repair coating, as applied on each coating line, per eight-hour period and per month;
 - ii. Perform calculations on a daily basis, and maintain at the source, records of such calculations of the combined volume of touch-up and repair coatings used source-wide for each eight-hour period;
 - iii. Perform calculations on a monthly basis, and maintain at the source, records of such calculations of the combined volume of touch-up and repair coatings used source-wide for the month and the rolling twelve-month period;
 - iv. Prepare and maintain at the source an annual summary of the information required to be compiled pursuant to subsection (b) of this Section on or before January 31 of the following year;
 - v. Maintain at the source for a minimum of three years all records required to be kept under this subsection (c) and make such records available to the Agency upon request; and
 - vi. Notify the Agency in writing if the use of touch-up and repair coatings at the source ever exceeds a volume of 0.95 l (1 quart) per eight-hour period or exceeds 209 l/yr (55 gal/yr) for any rolling twelve-month period within 30 days after any such exceedence. Such notification shall include a copy of any records of such exceedence.
- d. "Touch-up and repair coatings" means, for purposes of this Section, any coating used to cover minor scratches and nicks that occur during manufacturing and assembly processes.
- e. Notwithstanding the limitations of Section 215.204(k)(2), the John Deere Harvester-Moline Works of Deere & Company, Moline, Illinois, shall not cause or permit the emission of volatile organic material from its existing green and yellow flocoating operations to exceed a weekly average of 6.2 lb/gal.

(Source: Amended at 22 Ill. Reg. 11427, effective June 19, 1998)

Section 215.207 Compliance by Aggregation of Emission Units

- a. Owners or operators of coating lines subject to Section 215.204 may comply with this Section rather than with Section 215.204. The methods or procedures used to determine emissions of volatile organic material under this Section shall be approved by the Agency in accordance with 35 Ill. Adm. Code 201. Emissions of volatile organic material from sources subject to Section 215.204 are allowable, notwithstanding the limitations in Section 215.204, if the combined actual emissions from selected coating lines at the coating plant, but not including coating lines or other emission sources constructed or modified after July 1, 1979, is less than or equal to the combined allowable emissions as determined by the following equations:

$$E_{ALL} = \sum_{j=1}^m \sum_{i=1}^n (A_i B_i)_j$$

$$E_{ACT} = \sum_{j=1}^m \sum_{i=1}^n (C_i B_i (1 - D_i))_j$$

- b. A_i shall be determined by the following formula:

$$A_i = \frac{R_i}{1 - \frac{R_i}{S_i}}$$

- c. As used in subsection (a) and (b), symbols mean the following:

- E_{ALL} = The allowable volatile organic material emissions from the coating plant in kg/day (lb/day).
- A_i = The allowable emission limit for a coating pursuant to Section 215.204 expressed in kg/l (lbs/gal) of coating solids.
- B_i = The volume of coating solids in l/day (gal/day) in a coating as delivered to the coating line.
- m = The number of coating lines included in the combined emission rate.

- n = The number of different coatings delivered to a coating line.
- E_{ACT} = The actual volatile organic material emissions from the coating plant in kg/day (lbs/day).
- C_i = The weight of volatile organic material per volume of solids in kg/l (lb/gal) for a coating.
- D_i = The control efficiency by which emissions of volatile organic material from a coating are reduced through the use of control equipment.
- R_i = The applicable volatile organic material emission limit pursuant to Section 215.204, for a coating in kg/l (lb/gal).
- S_i = The density of the volatile organic material in a coating in kg/l (lb/gal).

- d. The owner or operator of the coating plant shall maintain records of the density of the volatile organic material in each coating, the quantity and volatile organic material and solids content of each coating applied and the line to which coating is applied, in such a manner so as to demonstrate continuing compliance with the combined allowable emissions.
- e. Except for emission units subject to Section 215.301 or 215.302, credits from emission units at the coating plant that are subject to this Part, other than coating lines, may be given to the extent that emissions are reduced from the allowable emission limits for such emission units contained in either this Part or any existing operating permit, whichever limit is less.

(Source: Amended at 22 Ill. Reg. 11427, effective June 19, 1998)

Section 215.208 Testing Methods for Volatile Organic Material Content

- a. The VOM content of coatings shall be determined by Method 24, 40 CFR Part 60, Appendix A, incorporated by reference in Section 215.105 except for glues and adhesive coatings, two component reactive coatings forming volatile reaction products, coatings requiring energy other than heat to initiate curing, and coatings requiring high temperature

catalysis for curing, providing the person proposing testing of the material submits to the Agency proof that the Method 24 results would not be representative and proof that a proposed alternative test method gives representative, accurate test results. For printing inks, the volatile organic material content shall be determined by Method 24A, 40 CFR Part 60, Appendix A incorporated by reference in Section 215.105. Any alternate test method must be approved by the Agency which shall consider data comparing the performance of the proposed alternative to the performance of the approved test method(s). If the Agency determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test method(s), the Agency shall approve the proposed alternative.

- b. Transfer efficiency shall be determined by a method, procedure or standard approved by the USEPA, under the applicable new source performance standard or until such time as USEPA has approved and published such a method, procedure or standard, by any appropriate method, procedure or standard approved by the Agency.

(Source: Amended at 14 Ill. Reg. 9173, effective May 23, 1990)

Section 215.209 Exemption from General Rule on Use of Organic Material

No coating line subject to the limitations of Section 215.204 is required to meet Sections 215.301 or 215.302 after the date by which the coating line is required to meet Section 215.204.

(Source: Amended at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.210 Alternative Compliance Schedule

The owner or operator of coating lines subject to Section 215.204(d)(2) may in lieu of compliance with Section 215.211 demonstrate compliance through the use of a low solvent coating technology by taking the following actions:

- a. Submit to the Agency a compliance plan, including a project completion schedule, that meets the requirements of Section 201.241 on or before August 19, 1983; and
- b. Meet the following increments of progress:

- i. Submit to the Agency by July 1, 1984 and every six months thereafter a report describing in detail the progress made in the development, application testing, product quality, customer acceptance and United States Food and Drug Administration or government agency approval of the low solvent coating technology;
- ii. Initiate process modifications to allow the use of low solvent coatings as soon as coatings meeting Board requirements become commercially available for production use; and
- iii. Achieve final compliance as expeditiously as possible but no later than December 31, 1986.

(Source: Amended at 7 Ill. Reg. 1244, effective January 21, 1983)

Section 215.211 Compliance Dates and Geographical Areas

- a. Except as otherwise stated in subsection (b), every owner or operator of an emission unit subject to Section 215.204(j), (k), (l), or (m) shall comply with those subsections in accordance with the following dates:
 - i. For Section 215.204(j) and (k)(2) Extreme performance prime coat and Final repair coat - air dried, by December 31, 1983.
 - ii. For Section 215.204(k)(1) and (m), by December 31, 1987.
 - iii. For Section 215.204(k)(2) Extreme performance top coat - air dried, in accordance with Section 215.210.
 - iv. For Section 215.204(l), by December 31, 1985.
- b. If an emission unit is not located in one of the nonattainment counties or counties contiguous to nonattainment counties listed below, the owner or operator of the emission unit shall comply with the requirements of Section 215.204(j), (k) or (l) no later than December 31, 1987:

Bond	Madison
Clinton	McHenry
Cook	Monroe
DeKalb	Montgomery

DuPage	Morgan
Franklin	Pope
Greene	Randolph
Jackson	Saline
Jersey	Sangamon
Johnson	St. Clair
Kane	Union
Kendall	Washington
Lake	Will
Macoupin	Williamson

(BOARD NOTE: Counties are designated as attainment or nonattainment for ozone by the United States Environmental Protection Agency (USEPA). The USEPA noted in its redesignation rulemaking, that it will publish a rulemaking notice on Williamson County's attainment status. (45 Fed. Reg. 21949, May 16, 1983.) Should Williamson County be redesignated as attainment prior to October 31, 1985, it and the counties contiguous to it will be considered deleted from the above list.)

- c. Notwithstanding subsection (b), if any county is designated as nonattainment by the USEPA at any time subsequent to the effective date of this rule, the owner or operator of an emission source located in that county or any county contiguous to that county who would otherwise be subject to the compliance date in subsection (b) shall comply with the requirements of Section 215.204(j), (k) or (l) within one year from the date of redesignation but in no case later than December 31, 1987.

(Source: Amended at 22 Ill. Reg. 11427, effective June 19, 1998)

Section 215.212 Compliance Plan

- a. The owner or operator of an emission unit subject to Section 215.211(a) (1) or (3) shall submit to the Agency a compliance plan on or before August 19, 1983.
- b. The owner or operator of an emission unit subject to Section 215.211(a)(4) shall submit to the Agency a compliance plan on or before October 31, 1985.
- c. The owner or operator of an emission unit subject to Section 215.211(b) shall submit to the Agency a compliance plan, no later than December 31, 1986.
- d. The owner or operator of an emission unit subject to Section 215.211(c) shall submit a compliance plan within

90 days after the date of redesignation, but in no case later than December 31, 1986.

- e. The owner or operator of an emission unit subject to Section 215.211(c) shall not be required to submit a compliance plan if redesignation occurs after December 31, 1986.
- f. The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.

(Source: Amended at 22 Ill. Reg. 11427, effective June 19, 1998)

Section 215.213 Special Requirements for Compliance Plan

For sources subject to Sections 215.204 through 215.209, an approvable compliance plan shall include:

- a. A complete description of each coating line which is subject to an emission limitation in Sections 215.204 through 215.209;
- b. Quantification of the allowable emissions from the coating plant determined under Section 215.207 where applicable; and,
- c. A description of the procedures and methods used to determine the emissions of volatile organic material including a method of inventory, record keeping and emission calculation or measurement which will be used to demonstrate compliance with the allowable plantwide emission limitation.

(Source: Adopted at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.214 Roadmaster Emissions Limitations (Repealed)

(Source: Repealed at 22 Ill. Reg. 11427, effective June 19, 1998)

Section 215.215 DMI Emissions Limitations

Notwithstanding the limitation of Section 215.204(j)(3), the DMI, Inc., Goodfield, Illinois plant shall not cause or permit the emission of volatile organic material from its existing dip tank and bake oven as part of the paint deck operations, to exceed a daily average of 4.2 lb/gal in the dip top coat application tank, and a 30-day rolling-average of 61 lb/day for the dip tank make-

up solvent addition; DMI, Inc. shall fulfill all of the following conditions:

- a. DMI, Inc. shall contact at least three (3) paint vendors each year in a continuing search for a compliant coating that it can successfully use in its existing paint deck operations, including any paint vendors suggested by the Agency in a writing delivered to DMI, Inc. by certified mail;
- b. If any vendor provides DMI, Inc. with laboratory test results which demonstrate that DMI, Inc. may be able to use the vendor's paint in its existing paint deck operations as a substitute for the existing paint, DMI, Inc. will conduct production tests of that paint;
- c. DMI, Inc. will submit a report to the Agency by March 1 of each year that includes a summary of its efforts during the preceding calendar year, as those efforts relate to DMI, Inc.'s compliance with the foregoing conditions contained in subsections (a) and (b), above;
- d. If DMI, Inc. locates a compliant paint that it can successfully use in its existing paint deck operations, and the net annual expense of using the compliant paint is not more than ten percent (10%) greater than the then current net annual expense incurred in the existing painting process, DMI, Inc. shall convert its present paint deck operations to the use of that paint within 180 days after the final successful testing of such a paint; and
- e. This Section shall expire within 180 days after final successful testing of a compliant paint in accordance with subsection (d) above, or on January 1, 2000, whichever is earlier, at which time DMI, Inc. shall comply with the provisions that generally apply to VOM emissions.

(Source: Added at 16 Ill. Reg. 3132, effective February 18, 1992)

PART 215

SUBPART K: USE OF ORGANIC MATERIAL

Section 215.301 Use of Organic Material

No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material.

(Source: Amended at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.302 Alternative Standard

Emissions of organic material in excess of those permitted by Section 215.301 are allowable if such emissions are controlled by one of the following methods:

- a. Flame, thermal or catalytic incineration so as either to reduce such emissions to 10 ppm equivalent methane (molecular weight 16) or less, or to convert 85 percent of the hydrocarbons to carbon dioxide and water; or,
- b. A vapor recovery system which adsorbs and/or condenses at least 85 percent of the total uncontrolled organic material that would otherwise be emitted to the atmosphere; or,
- c. Any other air pollution control equipment approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere.

(Source: Amended at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.303 Fuel Combustion Emission Sources

The provisions of Sections 215.301 and 215.302 shall not apply to fuel combustion emission sources.

(Source: Amended at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.304 Operations with Compliance Program

The provisions of Section 215.301 and 215.302 shall not apply to any owner, operator, user or manufacturer of paint, varnish, lacquer, coatings or printing ink whose compliance program and project completion schedule, as required by 35 Ill. Adm. Code 201, provides for the reduction of organic material used in such process to 20 percent or less of total volume by May 30, 1975.

(Source: Amended at 3 Ill. Reg. 30, p. 124, effective July 28, 1979)

Section 215.305 Viscose Exemption (Repealed)

(Source: Repealed at 9 Ill. Reg. 13960, effective August 28, 1985)

**PART 216
CARBON MONOXIDE EMISSIONS**

SUBPART A: GENERAL PROVISIONS

Section
216.100 Scope and Organization
216.101 Measurement Methods
216.102 Abbreviations and Conversion Factors
216.103 Definitions
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SUBPART B: FUEL COMBUSTION EMISSION SOURCES

Section
216.121 Fuel Combustion Emission Sources
216.122 Exception, Midwest Grain Products

SUBPART C: INCINERATORS

Section
216.141 Incinerators
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SUBPART N: PETROLEUM REFINING AND CHEMICAL MANUFACTURE

Section

216.361 Petroleum and Petrochemical Processes
216.362 Polybasic Organic Acid Partial Oxidation Manufacturing
Processes

SUBPART O: PRIMARY AND FABRICATED METAL PRODUCTS

Section

216.381 Cupolas
216.382 Exception, General Motor's Ferrous Foundry in Vermilion
County

Appendix A Rule into Section Table
Appendix B Section into Rule Table
Appendix C Compliance Dates

AUTHORITY: Implementing Section 10 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, Ch. 111 1/2, pars. 1010 and 1027).

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 206: Carbon Monoxide Emissions, R71-23, 4 PCB 191, April 13, 1972, filed and effective April 14, 1972; amended at 3 Ill. Reg. 47, p. 92, effective November 8, 1979; amended at 4 Ill. Reg. 24, p. 514, effective June 4, 1980; codified at 7 Ill. Reg. 13607; amended in R87-18 at 12 Ill. Reg. 20774, effective December 6, 1988; amended in R90-23 at 16 Ill. Reg. 18075, effective November 13, 1992.

PART 216

SUBPART A: GENERAL PROVISIONS

Section 216.100 Scope and Organization

- a. This Part contains standards and limitations for carbon monoxide emissions from stationary sources.
- b. Permits for sources subject to this Part may be required pursuant to 35 Ill. Adm. Code 201.
- c. Notwithstanding the provisions of this Part, the air quality standards contained in 35 Ill. Adm. Code 243 may not be violated.

- d. This Part includes Subparts arranged as follows:
 - i. Subpart A: General Provisions;
 - ii. Subparts B-J: Fuel Combustion Sources and Incinerators;
 - iii. Subparts K-M: Reserved for Emission Process Sources;
 - iv. Subparts N-End: Industry and Site-specific rules.
- e. Rules have been grouped for convenience of the public; the scope of each is determined by its language and history.

Section 216.101 Measurement Methods

Carbon Monoxide concentrations in an effluent stream shall be measured by the non-dispersive infrared method or by other methods approved by the Illinois Environmental Protection Agency (Agency) according to the provisions of 35 Ill. Adm. Code 201.

Section 216.102 Abbreviations and Conversion Factors

- a. The following abbreviations are used in this Part:

Btu	British thermal unit (60 F)
CO	carbon monoxide
°C	degrees Centigrade
°F	degrees Fahrenheit
Kg	kilograms
Lbs	pounds
mmBtu/hr	million Btu per hour
MW	Megawatts; one million watts
ppm	parts per million

- b. The following conversion factors have been used in this Part:

English	Metric
1.0 mmBtu/hr	0.293 MW
2.205 lbs	1 kg

Section 216.103 Definitions

The definitions contained in 35 Ill. Adm. Code 201 and 211 apply to this Part.

Section 216.104 Incorporations by Reference

The following materials are incorporated by reference: non-dispersive infrared method, 40 CFR 60, Appendix A, Method 10 (1982).

PART 216

SUBPART B: FUEL COMBUSTION EMISSION SOURCES

Section 216.121 Fuel Combustion Emission Sources

No person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air.

Section 216.122 Exception, Midwest Grain Products

The standard for carbon monoxide of Section 216.121 does not apply to emissions from the fluidized bed combustion boiler of Midwest Grain Products of Illinois, located in Pekin, Illinois, where the emission of carbon monoxide shall not exceed 700 parts per million, corrected to 50 percent excess air. Compliance shall be based upon a one-hour average.

(Source: Added at 12 Ill. Reg. 20774, effective December 6, 1988)

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These limits are based on maximum material usage and VOM content of material used. Compliance with annual limit shall be based on the running total of 12 months of data.

- b. This permit is issued based on negligible emissions of particulate matter from the K-line cabinet cleaning. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
- 3a. The Permittee shall maintain records of the following items:
 - i. Name and identification number for each solvent used at the K-line.
 - ii. Monthly usage of solvent (gallon/month).
 - iii. VOM content of each solvent used (lb/gallon).
- b. These records shall be kept at a readily accessible location at the source for at least three years and shall be available for inspection and copying by the Illinois EPA.

If you have any questions on this, please call Minesh Patel at 217/782-2113.

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

DES:MVP:psj

cc: Region 3

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March 5, 1996

Fedders North America
Attn: Jim Button, IE Supervisor, Supply Chain
415 Wabash Avenue
P.O. Box 200
Effingham, IL 62401

Application No.: 77100074
I.D. No.: 049025AAU
Operation of: 3 Cleaver Brooks Bailers, Effingham
Letter Dated: January 24, 1996

The Agency hereby acknowledges the receipt of your
above-referenced letter and confirms the withdrawal of your
OPERATING Permit in accordance with your request.

If you have any questions concerning this matter, please contact
Mary VonDeBur at 217/782-2113.

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

DES:MV:drk

cc: Region 3

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Fedders Corporation
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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - SPECIAL --
"REVISED"

PERMITTEE

Fedders Corporation
Attn: Derick Reedy
415 Wabash Avenue
Effingham, Illinois 62401

Application No.: 91090054 I.D. No.: 049025AAU
Applicant's Designation: Date Received: March 20, 2002
Subject: Six Fin Presses
Date Issued: March 26, 2002 Expiration Date: September 24, 2004
Source Location: 415 Wabash Avenue, Effingham

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of six (6) fin presses, pursuant to the above-referenced application. This permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the total emissions of volatile organic material (VOM) from the fin presses and other VOM emission units at the above referenced plant including the electrodeposition coating line, open top batch vapor degreaser, fin presses, and gluing operation to less than PSD major source thresholds (i.e., less than 250 tons per year) pursuant to 40 CFR 52.21 - "Prevention Of Significant Deterioration of Air Quality," (PSD). As a result, the source is not a major source for purposes of PSD. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
 - b. This permit supersedes the VOM emission limitations for the operating permit(s) covering the emission units listed on Attachment B.
 - c. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
2. Pursuant to 35 Ill. Adm. Code 215.301, organic material emissions from the fin presses shall not exceed 8 pounds

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per hour, if the organic material qualifies as photochemically reactive organic material as defined in 35 Ill. Adm. Code 211.4690.

3. This permit is issued based upon the fin presses being exempt from the requirements of 40 CFR Part 60; Subpart SS - "Standards of Performance for Industrial Surface Coating Large Appliances."
- 4a. Operation and emissions of the VOM emission units at the plant shall not exceed the following limits. 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.

Emission Unit	VOM Content (Lb/Gal)	Usage Gallons*		VOM Emissions Tons	
		(Per Mo)	(Per Yr)	(Per Mo)	(Per Yr)
** E-Coat Coat Painting					
Paste	2.25	4,000	27,555.6	3.84	31.00
Resin	2.10	12,000	73,913	3.66	17.00
2 Ethyl Hexanol	6.94	400	1,729.1	1.39	6.00
Repair Coating (Powder)	0.04 Lb/Lb	2,083 Lb	25,000 Lb	0.04	0.5
Model Shop Coating	6.02	5	33.2	0.02	0.1
Fin Press Lubricant	5.93	7,500	51,736.9	22.24	153.40
Wire Coders Ink	6.536	30	229.5	0.10	0.75
Cleaner	6.703	15	74.6	0.50	0.25
Extender	6.57	15	76.1	0.05	0.25
Glue Line	0.017	600	7,200	0.01	0.10
Auto Brazing	7.12	150	1,404	0.53	5.0
Silk-Screening Ink	3.00	1	10	0.01	0.02
Catalyst	4.38	1	5	0.01	0.02
Retardant	7.97	1	5	0.01	0.02
Thinner	7.52	1	5	0.01	0.02
RC5 Cleaner	4.60	1	20	0.01	0.02
Totals				32.43	214.45

These limits define the potential emissions of the emission units and are based on the actual emissions determined from maximum material usage and VOM contents provided in the application and mass balance calculations.
*Excluding water and exempt compounds.

- b. This permit is issued based upon negligible emissions of volatile organic material and particulate matter from power paint touch-up booth with collector filters. For this purpose emissions from each piece of equipment shall not exceed nominal rates of 0.1 pound per hour and 0.44 ton per year.
 - c. Total VOM emissions from emission units at the plant not addressed above shall not exceed 2.0 tons per year.
- 5a. The Permittee is required to keep the follow records:
- i. VOM Content Records:
 - A. A record of the VOM content of each coating, solvent, ink, cleaner, adhesive, lubricant, or other VOM containing raw material. The record must be kept current, and include the following for each material: the weight of VOM content per volume (lb/gal); the determination method; and the underlying documentation.
 - ii. Operating Records:
 - A. Name and identification number of each coating as applied, solvent, ink, cleaner, adhesive, lubricant, or other VOM containing raw material used at the plant;
 - B. A determination as to whether the fin press lubricant is a photochemically reactive material, as defined in 35 Ill. Adm. Code 211.4690. The record must be kept current, and include a record of the chemical constituents of the lubricant as identified through manufacturer's data or sampling and analysis by appropriate methods formally adopted by USEPA and a copy of the underlying documentation (i.e., MSDS, chemical analysis, etc.); and

iii. Monthly Records:

- A. Name and identification number of each coating as applied, solvent, ink, cleaner, adhesive, lubricant, or other VOM containing raw material used at the source;
- B. The weight of VOM per volume (lb/gal) of each coating, solvent, ink, cleaner, adhesive, lubricant, or other VOM containing raw material (minus water and any compounds which are specifically exempted from the definition of VOM) as applied on each coating line, the vapor degreaser, fin presses, wire coater, and gluing operation;
- C. Monthly usage and emissions for each coating, solvent, ink, cleaner, adhesive, lubricant, or other VOM containing raw material; and
- D. Annual plant VOM emissions, determined on a monthly basis, with supporting calculations.

iv. Annual Records:

- A. An evaluation of the maximum annual VOM emissions from miscellaneous emission units at the plant, in total, as addressed by Condition 4(b), the evaluation may rely on the fact that maximum operation will not occur simultaneously for all units, with supporting calculations and documentation.
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
6. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall

include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedances or violation and efforts to reduce emissions and future occurrences.

7. Compliance with the limitations in Condition 4 shall be determined as follows:
- a. Annual Usage: Compute the volume of each material (i.e., coating, lubricant, adhesives, etc.) used each month by the 15th of the following month. By the 15th of each month, add the latest monthly material usage used for the month to the monthly usage for the 11 previous months (to obtain the annual usage of each material).
 - b. Annual Emissions: Annual uncontrolled emissions shall be determined as the sum of an emission unit's monthly emission rate over a consecutive 12 month period. Compute the emissions of each material (i.e., coating, lubricant, adhesives, etc.) used each month by the 15th of the following month. To obtain the annual emissions of each material, by the 15th of each month, add the latest monthly material emissions for the month to the emissions of the 11 previous months.
 - c. Volatile Organic Material (VOM) Content: VOM content of the coatings, lubricants, adhesives, inks, and solvents shall be determined in accordance with the provisions of 35 Ill. Adm. Code Section 215.102 and 215.208, manufacturer's data or sampling and analysis by appropriate methods formally adopted by USEPA. For coatings or lubricant, in the event of a difference between manufacturer's data and laboratory analysis, the results of the laboratory analysis shall govern. For solvents, VOM and organic material shall be determined by manufacturer's data.

The above limitation excludes water and any compounds which are specifically exempted from the definition of VOM pursuant to 35 Ill. Adm. Code Section 215, Subpart F.
 - d. VOM Emissions: Monthly emissions shall be calculated based upon the quantity of VOM present in the material used (lb VOM per gallon) and the quantity of material used for the month of record:

$$E_{VOM} = \text{Usage} \times \text{VOM Content}$$

Where:

E_{VOM} : Monthly VOM emission rate

Usage: Monthly usage rate (gallon per month).

VOM Content: The maximum quantity of VOM present in the material (lb VOM per gallon) pursuant to Condition 5a(i)(1) and 7(d).

8. Within 30 days of a written request from the Illinois EPA the VOM content of the materials used at the facility shall be determined through the methods referenced in Condition 7(c). Three (3) copies of the Final Report(s) for these tests shall be submitted to the Illinois EPA within 14 days after the test results are compiled and finalized.
- 9a. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year.
 - i. Maximum VOM content (lb/gal) of each coating, solvent, ink, cleaner, adhesive, and any other material containing VOM as applied used during the year, excluding water and exempt materials;
 - ii. Each month's, monthly and annual material usage's for the preceding calendar year (i.e., preceding 12 months);
 - iii. Each month's, annual plant VOM emissions for the preceding calendar year (i.e., preceding 12 months);
 - iv. Annual plant VOM emissions; and
 - v. Dates that the plant exceeded the annual usage or VOM limitations, if any.

If there have been no exceedances during the prior calendar year the Annual Emissions Report shall include a statement to that effect.

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- b. Two copies of required reports and notifications shall be sent to:

Illinois Environmental Protection Agency
Bureau of Air
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

It should be noted that this permit has been revised to increase the VOM content limits for the E-Coat process (paste) to 2.25 lb/gallon and decrease the usage of paste to 27,555.6 gallons without any change in the overall emissions of VOM from the source.

If you have any questions on this permit, please call Mohamed Anane at 217/782-2113.

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

DES:MA:jar

cc: Illinois EPA, FOS Region 3
Illinois EPA, Compliance Section
USEPA
James O'Donnell, DLC

Fedders North America, Inc.
 I.D. No.: 049025AAU
 Application No.: 91090054
 Date Issued: January 31, 2001

ATTACHMENT A

1a.	VOM Content	Usage		VOM Emissions	
<u>Emission Unit</u>	<u>(Lb/Gal)</u>	<u>Gallons*</u>		<u>Tons</u>	
		<u>(Per Mo)</u>	<u>(Per Yr)</u>	<u>(Per Mo)</u>	<u>(Per Yr)</u>
** E-Coat Coat Painting					
Paste	2.25	4,000	27,555.6	3.84	31.00
Resin	2.10	12,000	73,913	3.66	17.00
2 Ethyl Hexanol	6.94	400	1,729.1	1.39	6.00
Repair Coating (Powder)	0.04 Lb/Lb	2,083 Lb	25,000 Lb	0.04	0.5
Model Shop Coating	6.02	5	33.2	0.02	0.1
Fin Press Lubricant	5.93	7,500	51,736.9	22.24	153.40
Wire Coders					
Ink	6.536	30	229.5	0.10	0.75
Cleaner	6.703	15	74.6	0.50	0.25
Extender	6.57	15	76.1	0.05	0.25
Glue Line	0.017	600	7,200	0.01	0.10
Auto Brazing	7.12	150	1,404	0.53	5.0
Silk-Screening					
Ink	3.00	1	10	0.01	0.02
Catalyst	4.38	1	5	0.01	0.02
Retardant	7.97	1	5	0.01	0.02
Thinner	7.52	1	5	0.01	0.02
RC5 Cleaner	4.60	1	20	<u>0.01</u>	<u>0.02</u>
			Totals	32.43	214.45

* Excluding water and exempt compounds.

These limits define the potential emissions of the emission units and are based on the actual emissions determined from maximum material usage and VOM contents provided in the application and mass balance calculations.

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- b. Total VOM emissions from emission units at the plant not addressed above shall not exceed 2.0 tons per year.

This attachment provides a summary of the maximum emission from the plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from the plant. This includes the maximum usage rate and VOM content for each material used at the plant. The resulting maximum emissions are well below the levels, e.g., 250 tons per year, at which this source would be considered a major source for purposes of 40 CFR 52.21 - "Prevention Of Significant Deterioration Of Air Quality." Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

MA:psj

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Fedders Corporation
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217/782-2113

CONSTRUCTION PERMIT

PERMITTEE

Fedders Corporation
Attn: Derick Reedy
415 Wabash Avenue
Effingham, Illinois 62401

Application No.: 98010081 I.D. No.: 049025AAU
Applicant's Designation: Date Received: January 27, 1998
Subject: Powder Paint Touch-Up Booth
Date Issued: March 3, 1998
Location: 415 Wabash Avenue, Effingham

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of a new powder paint touch-up booth with collector filters pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. This permit is issued based on the use of a replacement of the solvent based repair coating operation with a new powder coating repair coat system with no increase in emissions above those previously allowed.
- 2a. This permit is issued based upon negligible emissions of volatile organic material and particulate matter from powder paint touch-up booth with collector filters. For this purpose emissions from each piece of equipment shall not exceed nominal rates of 0.1 pound per hour and 0.44 ton per year.
- b. This permit is issued based upon the powder paint touch-up booth with collector filters being vented directly back into the plant.

It should be noted that the operation of the above equipment will be incorporated into the currently pending Federally Enforceable State Operating Permit (FESOP) - Application No. 91090054.

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If you have any questions on this, please call Mike Davidson at
217/782-2113.

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

DES:MED:psj

cc: Region 3

FINAL DRAFT/PROPOSED CAAPP PERMIT
Fedders Corporation
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217/782-2113

CONSTRUCTION PERMIT

PERMITTEE

Fedders North America, Inc.
Attn: Derick Reedy
415 Wabash Avenue
Effingham, Illinois 62401

Application No.: 99040095 I.D. No.: 049025AAU
Applicant's Designation: SILKSCREEN Date Received: April 5, 1999
Subject: Silk Screening
Date Issued: July 29, 1999
Location: 415 Wabash Avenue, Effingham

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of the silk screening process as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. This permit is issued based on negligible emissions of volatile organic material from silk screening. For this purpose, emissions shall not exceed nominal emission rates of 2.50 lb/hour and 0.44 ton/year.

It should be noted that operation of this permit is incorporated into Permit No. 91090054.

If you have any questions on this, please call Robin Helmerichs at 217/782-2113.

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

DES:RBH:psj

cc: Region 3

10.3 Attachment 3 - Example Certification by a Responsible Official

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: _____

10.4 Attachment 4 - Guidance on Revising This Permit

The Permittee must submit an application to the Illinois EPA using the appropriate revision classification in accordance with Sections 39.5(13) and (14) of the Act and 35 IAC 270.302. Specifically, there are currently three classifications for revisions to a CAAPP permit. These are:

1. Administrative Permit Amendment;
2. Minor Permit Modification; and
3. Significant Permit Modification.

The Permittee must determine, request, and submit the necessary information to allow the Illinois EPA to use the appropriate procedure to revise the CAAPP permit. A brief explanation of each of these classifications follows.

1. Administrative Permit Amendment
 - Corrects typographical errors;
 - Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the source;
 - Requires more frequent monitoring or reporting by the Permittee;
 - Allows for a change in ownership or operational control of the source where no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new Permittees has been submitted to the Illinois EPA. This shall be handled by completing form 272-CAAPP, REQUEST FOR OWNERSHIP CHANGE FOR CAAPP PERMIT; or
 - Incorporates into the CAAPP permit a construction permit, provided the conditions of the construction permit meet the requirements for the issuance of CAAPP permits.
2. Minor Permit Modification
 - Do not violate any applicable requirement;

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- Do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;
- Do not require a case-by-case determination of an emission limitation or other standard, or a source-specific determination of ambient impacts, or a visibility or increment analysis;
- Do not seek to establish or change a permit term or condition for which there is no corresponding underlying requirement and which avoids an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the CAA; and
 - An alternative emissions limit approved pursuant to regulations promulgated under Section 112(i)(5) of the CAA.
- Are not modifications under any provision of Title I of the CAA;
- Are not required to be processed as a significant permit modification; and
- Modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches.

An application for a minor permit modification shall include the following:

- A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
- The source's suggested draft permit/conditions;
- Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and

- Information as contained on form 271-CAAPP, MINOR PERMIT MODIFICATION FOR CAAPP PERMIT for the Illinois EPA to use to notify USEPA and affected States.

3. Significant Permit Modification

- Applications that do not qualify as either minor permit modifications or as administrative permit amendments;
- Applications requesting a significant change in existing monitoring permit terms or conditions;
- Applications requesting a relaxation of reporting or recordkeeping requirements; and
- Cases in which, in the judgment of the Illinois EPA, action on an application for modification would require decisions to be made on technically complex issues.

An application for a significant permit modification shall include the following:

- A detailed description of the proposed change(s), including all physical changes to equipment, changes in the method of operation, changes in emissions of each pollutant, and any new applicable requirements which will apply as a result of the proposed change. Note that the Permittee need only submit revised forms for equipment and operations that will be modified.

The Illinois EPA requires the information on the following appropriate forms to be submitted in accordance with the proper classification:

- Form 273-CAAPP, REQUEST FOR ADMINISTRATIVE PERMIT AMENDMENT FOR CAAPP PERMIT; or
- Form 271-CAAPP, MINOR PERMIT MODIFICATION FOR CAAPP PERMIT; or
- Form 200-CAAPP, APPLICATION FOR CAAPP PERMIT (for significant modification).

Application forms can be obtained from the Illinois EPA website at <http://www.epa.state.il.us/air/forms>.

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Application No.: 98010081
September 6, 2002

Note that the request to revise the permit must be certified for truth, accuracy, and completeness by a responsible official.

Note that failure to submit the required information may require the Illinois EPA to deny the application. The Illinois EPA reserves the right to require that additional information be submitted as needed to evaluate or take final action on applications pursuant to Section 39.5(5)(g) of the Act and 35 IAC 270.305.



Illinois Environmental Protection Agency
Division Of Air Pollution Control -- Permit Section
P.O. Box 19506
Springfield, Illinois 62794-9506

Application For Construction Permit (For CAAPP Sources Only)	For Illinois EPA use only
	I.D. number:
	Permit number:
	Date received:

This form is to be used by CAAPP sources to supply information necessary to obtain a construction permit. Please attach other necessary information and completed CAAPP forms regarding this construction/modification project.

Source Information		
1. Source name:		
2. Source street address:		
3. City:	4. Zip code:	
5. Is the source located within city limits? <input type="checkbox"/> Yes <input type="checkbox"/> No		
6. Township name:	7. County:	8. I.D. number:

Owner Information		
9. Name:		
10. Address:		
11. City:	12. State:	13. Zip code:

Operator Information (if different from owner)		
14. Name		
15. Address:		
16. City:	17. State:	18. Zip code:

Applicant Information	
19. Who is the applicant? <input type="checkbox"/> Owner <input type="checkbox"/> Operator	20. All correspondence to: (check one) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Source
21. Attention name and/or title for written correspondence:	
22. Technical contact person for application:	23. Contact person's telephone number:

This Agency is authorized to require and you must disclose this information under 415 ILCS 5/39. Failure to do so could result in the application being denied and penalties under 415 ILCS 5 et seq. It is not necessary to use this form in providing this information. This form has been approved by the forms management center.

Summary Of Application Contents

24.	Does the application address whether the proposed project would constitute a new major source or major modification under each of the following programs: a) Non-attainment New Source Review – 35 IAC Part 203; b) Prevention of Significant Deterioration (PSD) – 40 CFR 52.21; c) Hazardous Air Pollutants: Regulations Governing Constructed or Reconstructed Major Sources – 40 CFR Part 63?	<input type="checkbox"/> Yes <input type="checkbox"/> No
25.	Does the application identify and address all applicable emissions standards, including those found in the following: a) Board Emission Standards – 35 IAC Chapter I, Subtitle B; b) Federal New Source Performance Standards – 40 CFR Part 60; c) Federal Standards for Hazardous Air Pollutants – 40 CFR Parts 61 and 63?	<input type="checkbox"/> Yes <input type="checkbox"/> No
26.	Does the application include a process flow diagram(s) showing all emission units and control equipment, and their relationship, for which a permit is being sought?	<input type="checkbox"/> Yes <input type="checkbox"/> No
27.	Does the application include a complete process description for the emission units and control equipment for which a permit is being sought?	<input type="checkbox"/> Yes <input type="checkbox"/> No
28.	Does the application include the information as contained in completed CAAPP forms for all appropriate emission units and air pollution control equipment, listing all applicable requirements and proposed exemptions from otherwise applicable requirements, and identifying and describing any outstanding legal actions by either the USEPA or the Illinois EPA? Note: The use of "APC" application forms is not appropriate for applications for CAAPP sources. CAAPP forms should be used to supply information.	<input type="checkbox"/> Yes <input type="checkbox"/> No
29.	If the application contains TRADE SECRET information, has such information been properly marked and claimed, and have two separate copies of the application suitable for public inspection and notice been submitted, in accordance with applicable rules and regulations?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable, No TRADE SECRET information in this application

Note 1: Answering "No" to any of the above may result in the application being deemed incomplete.

Signature Block

This certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete.	
30.	I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete. Authorized Signature: BY: _____ <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> _____ <small>AUTHORIZED SIGNATURE</small> </div> <div style="text-align: center;"> _____ <small>TITLE OF SIGNATORY</small> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> _____ <small>TYPED OR PRINTED NAME OF SIGNATORY</small> </div> <div style="text-align: center;"> _____ / _____ / _____ <small>DATE</small> </div> </div>

Note 2: An operating permit for the construction/modification permitted in a construction permit must be obtained by applying for the appropriate revision to the source's CAAPP permit, if necessary.

10.6 Attachment 6 - Guidance on Renewing This Permit

Timeliness - Pursuant to Section 39.5(5)(n) of the Act and 35 IAC 270.301(d), a source must submit to the Illinois EPA a complete CAAPP application for the renewal of a CAAPP permit not later than 9 months before the date of permit expiration of the existing CAAPP permit in order for the submittal to be deemed timely. Note that the Illinois EPA typically sends out renewal notices approximately 18 months prior to the expiration of the CAAPP permit.

The CAAPP application must provide all of the following information in order for the renewal CAAPP application to be deemed complete by the Illinois EPA:

1. A completed form 200-CAAPP, APPLICATION FOR CAAPP PERMIT.
2. A completed compliance certification for the source. For this purpose, the Illinois EPA will accept a copy of the most recent form 401-CAAPP, ANNUAL COMPLIANCE CERTIFICATION submitted to the Illinois EPA.
3. If this is the first time this permit is being renewed and this source has not yet addressed CAM, the application should contain the information on form 464-CAAPP, COMPLIANCE ASSURANCE MONITORING (CAM) PLAN.
4. Information addressing any outstanding transfer agreement pursuant to the ERMS.
5.
 - a. If operations of an emission unit or group of emission units remain unchanged and are accurately depicted in previous submittals, the application may contain a letter signed by a responsible official that requests incorporation by reference of existing information previously submitted and on file with the Illinois EPA. The boxes should be marked yes on form 200-CAAPP, APPLICATION FOR CAAPP PERMIT, as existing information is being incorporated by reference.
 - b. If portions of current operations are not as described in previous submittals, then in addition to the information above for operations that remain unchanged, the application must contain the necessary information on all changes, e.g., discussion of changes, new or revised CAAPP forms, and a revised fee form 292-CAAPP, FEE DETERMINATION FOR CAAPP PERMIT, if necessary.

FINAL DRAFT/PROPOSED CAAPP PERMIT
Fedders Corporation
I.D. No.: 049025AAU
Application No.: 98010081
September 6, 2002

The Illinois EPA will review all applications for completeness and timeliness. If the renewal application is deemed both timely and complete, the source shall continue to operate in accordance with the terms and conditions of its CAAPP permit until final action is taken on the renewal application.

Notwithstanding the completeness determination, the Illinois EPA may request additional information necessary to evaluate or take final action on the CAAPP renewal application. If such additional information affects your allowable emission limits, a revised form 292-CAAPP, FEE DETERMINATION FOR CAAPP PERMIT must be submitted with the requested information. The failure to submit to the Illinois EPA the requested information within the time frame specified by the Illinois EPA, may force the Illinois EPA to deny your CAAPP renewal application pursuant to Section 39.5 of the Act.

Application forms may be obtained from the Illinois EPA website at <http://www.epa.state.il.us/air/forms.html>.

If you have any questions regarding this matter, please contact a permit analyst at 217/782-2113.

Mail renewal applications to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section (MC 11)
P.O. Box 19506
Springfield, Illinois 62794-9506

I. INTRODUCTION

This source has applied for a Clean Air Act Permit Program (CAAPP) operating permit for its existing operation. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by the federal Clean Air Act, as amended in 1990. The conditions in a CAAPP permit are enforceable by both the Illinois Environmental Protection Agency (Illinois EPA) and the USEPA.

Fedders Corporation is located at 415 W. Wabash Avenue, Effingham, IL, 62401. The source Fedders Corporation manufacturers room air conditioners and dehumidifiers.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Description	Date Constructed	Emission Control Equipment
E-Coat Paint Operation	E-Coat Paint Operation Consists of 2 Washers, Electrodeposition Paint Dip Tank and Curing Oven (14.22 mmBtu/Hr)	10/88	None
Curing Oven	Oven (14.22 mmBtu/Hr) is Used to Dry Paint From the E-Coat Paint Operation	10/88	None
Repair Coating (Powder) Operation	The Powder Coat Operation is Used to Repair Blemished Metal	3/98	Collector Filters
Wire Coder Operation	Wire Coder Operation Colors Insulated Wire with Solvent Based Inks. The operation Consists of Two (2) Coders and One (1) Mixing Booth	1970	None
Auto Brazer #1 Process	Natural Gas Automatic Brazer	1970	None
Auto Brazer #2 Process	Natural Gas Automatic Brazer	1994	None
Fin Press #1 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	1970	None
Fin Press #2 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	Approx. 1995	None
Fin Press #3 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	1992	None

Emission Unit	Description	Date Constructed	Emission Control Equipment
Fin Press #4 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	1986	None
Fin Press #5 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	1986	None
Fin Press #6 Lubricant	Coiled Aluminum is Lubricated Then Fin Stamping of Air Conditioner Lubricated Parts	Approx. 1995	None
Bulk Paint Storage Tank	Bulk Paint Storage Tank (Capacity: 5,260 Gallons)	10/88	None
Gasoline Storage Tank	Gasoline Storage Tank (Capacity: 500 Gallons)	1970	None
Model Shop Coating Operation	Model Shop Coating Operation for Sample Parts	Unknown	None
Glue Line Operation	Glue Line Operation	Unknown	None
Silk Screening Operation	Silk Screening Operation	7/99	None

III. EMISSIONS

This source is required to have a CAAPP permit since it is a major source of emissions.

For purposes of fees, the source is allowed the following emissions:

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	214.67
Sulfur Dioxide (SO ₂)	0.06
Particulate Matter (PM)	4.10
Nitrogen Oxides (NO _x)	6.19
HAP, not included in VOM or PM	----
Total	225.02

This permit is a combined Title I/CAAPP permit that 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 by T1, T1R, or T1N. The source has requested that the Illinois EPA establish or revise such conditions in a Title I permit, consistent with the information provided in the CAAPP application. Any conditions established in a construction permit pursuant to Title I and not revised or deleted in this permit, remain in effect pursuant to Title I provisions until such time that the Illinois EPA revises or deletes them.

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois.

All emission sources in Illinois must comply with the federal New Source Performance Standards (NSPS). The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

All emission sources in Illinois must comply with the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

V. PROPOSED PERMIT

CAAPP

A CAAPP permit contains all conditions that apply to a source and a listing of the applicable state and federal air pollution control regulations that are the origin of the conditions. The permit also contains emission limits and appropriate compliance procedures. The appropriate compliance procedures may include inspections, work practices, monitoring, record keeping, and reporting to show compliance with these requirements. The Permittee must carry out these procedures on an on-going basis.

Title I

A combined Title I/CAAPP permit contains terms and conditions established by the Illinois EPA pursuant to authority found in Title I provisions, e.g., 40 CFR 52.21 - federal Prevention of Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Notwithstanding the expiration date on the first page of the 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.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this source's permit application meets the standards for issuance of a CAAPP permit. The Illinois EPA is therefore proposing to issue a CAAPP permit, subject to the conditions proposed in the draft permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 166.

LAK:98010081:jar