

**AIR EMISSION PERMIT NO. 09900002- 002
IS ISSUED TO**

Hormel Foods Corporation
Quality Pork Processors (QPP)
Hormel Foods Corp - Austin
500 14th Avenue Northeast
Austin, Mower County, Minnesota 55912

The emission units, control equipment and emission stacks at the stationary source authorized in this permit are as described in the following permit application(s):

Permit Type	Application Date
Total Facility Operating Permit	January 1995, supplemented on Dec. 1995 and Aug. 1996
Minor Amendment	July 21, 1999

This permit authorizes the permittee to operate and construct the stationary source at the address listed above unless otherwise noted in Table A. The permittee must comply with all the conditions of the permit. Any changes or modifications to the stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Terms used in the permit as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Permit Type: Minor Amendment to a Part 70 (Synthetic Minor under 40 CFR 52.21)

Issue Date: October 14, 1999

Expiration: August 5, 2004

All Title I Conditions do not expire.

Rodney E. Massey
Manager
South District

for Karen A. Studders
Commissioner
Minnesota Pollution Control Agency

DS:jfh

TABLE OF CONTENTS

Notice to the Permittee

Permit Shield

Table A: Limits and Other Requirements

Table B: Submittals

Appendices: Attached and Referenced in Table A

NOTICE TO THE PERMITTEE:

Your stationary source may be subject to the requirements of the Minnesota Pollution Control Agency's (MPCA) solid waste, hazardous waste, and water quality programs. If you wish to obtain information on these programs, including information on obtaining any required permits, please contact the MPCA general information number at:

Metro Area	(651) 296-6300
Outside Metro Area	1-800-657-3864
TTY	(651) 282-5332

The rules governing these programs are contained in Minn. R. ch. 7000-7105. Written questions may be sent to: Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

Questions about this air emission permit or about air quality requirements can also be directed to the telephone numbers and address listed above.

PERMIT SHIELD:

Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition. Certain requirements which have been determined not to apply are listed in Table A of this permit.

The permit shield, however does not apply to:

1. **Any national ambient air quality standards adopted under section 109 of the Clean Air Act or increment or visibility under Part C of Title I of the Clean Air Act,**
2. **Any state ambient air quality standard under Minn. R. ch. 7009, and**
3. **The state noise pollution control rules, Minn. R. ch. 7030.**

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Table A contains limits and other requirements with which your facility must comply. The limits are located in the first column of the table (What To do). The limits can be emission limits or operational limits. This column also contains the actions that you must take and the records you must keep to show that you are complying with the limits. The second column of Table A (Why to do it) lists the regulatory basis for these limits. Appendices included as conditions of your permit are listed in Table A under total facility requirements.

Subject Item:**Total Facility**

What to do	Why to do it
Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment.	Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in Tables A, B, and/or C.	Minn. R. ch. 7017
Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as specified by Minn. R. 7017.2025 following formal review of a subsequent performance test on the same unit.	Minn. R. 7017.2025
Monitoring Equipment: Install or make needed repairs to monitoring equipment within 60 days of issuance of the permit if monitoring equipment is not installed and operational on the date the permit is issued.	Minn. R. 7007.0800, subp. 4(D)
Monitoring Equipment Calibration: Annually calibrate all required monitoring equipment (any requirements applying to continuous emission monitors are listed separately in this permit).	Minn. R. 7007.0800, subp. 4(D)
Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, or during checks of the monitoring systems, such as calibration checks and zero and span adjustments. If monitoring records are required, they should reflect any such periods of process shutdown or checks of the monitoring system.	Minn. R. 7007.0800, subp. 4(D)
Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted.	Minn. R. 7011.0020
Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3. At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.	Minn. R. 7019.1000, subp. 3
Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2. At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.	Minn. R. 7019.1000, subp. 2
Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment.	Minn. R. 7019.1000, subp. 1
Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description: 1. the cause of the deviation; 2. the exact dates of the period of the deviation, if the deviation has been corrected; 3. whether or not the deviation has been corrected; 4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and 5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.	Minn. R. 7019.1000, subp. 1

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate.	Minn. R. 7019.1000, subp. 4
Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, unless otherwise noted in Table A.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)
Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150.	Minn. R. 7011.0150
Application for Permit Amendment: If a permit amendment is needed, submit an application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed.	Minn. R. 7007.1150 through Minn. R. 7007.1500
Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H).	Minn. R. 7007.1400, subp. 1(H)
Record keeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007.1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350 subp. 2), including records of the emissions resulting from those changes.	Minn. R. 7007.0800, subp. 5(B)
Record keeping: Retain all records at the stationary source for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at this location include all calibration and maintenance records, all original recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A).	Minn. R. 7007.0800, subp. 5(C)
Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement and is not federally enforceable.	Minn. R. 7030.0010 - 7030.0080
The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.	Minn. R. 7007.0800, subp. 16
Inspections: Upon presentation of credentials and other documents as may be required by law, allow the Agency, or its representative, to enter the Permittee's premises to have access to and copy any records required by this permit, to inspect at reasonable times (which include any time the source is operating) any facilities, equipment, practices or operations, and to sample or monitor any substances or parameters at any location.	Minn. R. 7007.0800, subp. 9(A)
Emission Fees: due 60 days after receipt of an MPCA bill.	Minn. R. 7002.0005 through Minn. R. 7002.0095

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Subject Item: GP 001 Boilers (49, 49, 49, 25 & 7.14 MMBtu/hr)

Associated Items: EU 001 Gas/Oil Fired Boiler

EU 002 Gas/Oil Fired Boiler

EU 003 Gas/Oil Fired Boiler

EU 004 Gas/Oil Fired Boiler

EU 005 Gas/Oil Fired Boiler

SV 001 Boiler Stack

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 0.4 lbs/million Btu heat input (applies individually to each boiler).	Minn. R. 7011.0515, subp. 1
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0515, subp. 2
Sulfur Dioxide: less than or equal to 247 tons/year on a 12 month rolling sum.	Title I Condition: To limit potential SO2 emissions to less than major source levels as defined by 40 CFR Section 52.21
Sulfur Dioxide: less than or equal to 2.0 lbs/million Btu heat input (1.89% percent sulfur)	Minn. R. 7011.0510, subp. 1
OPERATING LIMITS	hdr
Fuel allowed: limited to natural gas, No. 6 fuel oil, and used oil.	Minn. R. 7007.0800, subp. 2.
The used oil combusted in EU 001 through EU 005 shall be used oil which is defined as any oil which has been used and as a result of such use has become contaminated by physical or chemical impurities. The used oil shall not contain any hazardous waste listed in Minn. R. 7045.0135. The used oil must be on-specification and meet the following restrictions: 1) Total Arsenic not to exceed 5 ppm 2) Total Cadmium not to exceed 2 ppm 3) Total Chromium not to exceed 10 ppm 4) Total Lead not to exceed 100 ppm 5) Flash point not less than 100 degrees F 6) Total Halogens not to exceed 1,000 ppm The Permittee must obtain and keep on-site for at least five years a laboratory analysis demonstrating that the used oil is on-specification.	Minn. R. 7007.0800, subp. 2
Fuel Usage: less than or equal to 15000 gallons/year using 12-month Rolling Sum of used oil as a total in all boilers.	Minn. R. 7007.0800, subp. 2
Limit boiler operation to a level at or below that of the most recent particulate matter performance test that measured emissions at or below the applicable particulate matter emission limit.	Minn. R. 7007.0800, subp. 2
MONITORING AND RECORDKEEPING	hdr
Residual and Used oil: Keep a daily log of the usage of residual and used oil. By the 15th of each month: 1) Calculate and record the residual and used oil usage for the previous calendar month (in gallons), 2) Calculate the average sulfur content of the residual oil and of the used oil for the month. The average sulfur content shall be determined by summing the daily sulfur percentage from the fuel supplier certifications for the previous month, and dividing by the number of certifications received during the previous month, 3) Calculate the number of tons of SO2 emitted during the previous month using the following equation: $SO_2 = (0.157(A)(X) + 0.157(B)(Y))/2000$	Title I Condition: To limit potential SO2 emissions to less than major source levels as defined by 40 CFR Section 52.21
where: SO2 = sulfur dioxide emitted during the previous month in tons A = the number of gallons of residual oil burned during the previous month B = the number of gallons of used oil burned during the previous month X = the average sulfur content of residual oil (%) Y = the average sulfur content of used oil (%)	Title I Condition continued from above
4) Calculate the 12 month rolling sum of emissions by summing the results of the above equation for the most recent 12 months.	Title I Condition continued from above
Fuel Oil Sulfur Content Recordkeeping: Obtain a fuel supplier certification stating the percent sulfur by weight in the fuel oil does not exceed 1.89% sulfur, daily.	Title I Condition: To limit potential SO2 emissions to less than major source levels as defined by 40 CFR Section 52.21
PERFORMANCE TESTING	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Performance Test: due 180 days after Permit Issuance to measure Total Particulate Matter and Opacity emissions while combusting No. 6 fuel oil from any one unit from EU001- EU003 and either EU004 or EU005 (thus a total of two tests are required from GP001).	Minn. R. 7007.0800, subp. 2
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Subject Item: GP 003 Natural Smoke Process

Associated Items:

- CE 001 Venturi Scrubber
- CE 002 Venturi Scrubber
- CE 003 Venturi Scrubber
- CE 004 Venturi Scrubber
- CE 005 Venturi Scrubber
- EU 006 Smoked Meat Oven #6 with recirculated wood smoke
- EU 007 Smoked Meat Oven #7 with recirculated wood smoke
- EU 008 Smoked Meat Oven #8 with recirculated wood smoke
- EU 009 Smoked Meat Oven #9 with recirculated wood smoke
- EU 010 Smoked Meat Oven #10 with recirculated wood smoke
- EU 031 Natural Smoke Generator
- EU 032 Natural Smoke Generator
- SV 002 Natural Smoke Meat Oven (For EU006)
- SV 003 Natural Smoke Meat Oven (Bypass for SV002)
- SV 004 Natural Smoke Meat Oven (For EU007)
- SV 005 Natural Smoke Meat Oven (Bypass for SV004)
- SV 006 Natural Smoke Meat Oven (For EU008)
- SV 007 Natural Smoke Meat Oven (Bypass for SV006)
- SV 008 Natural Smoke Meat Oven (For EU009)
- SV 009 Natural Smoke Meat Oven (Bypass for SV008)
- SV 010 Natural Smoke Meat Oven (For EU0010)
- SV 011 Natural Smoke Meat Oven (Bypass for SV010)

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than 0.30 grains/dry standard cubic foot unless required to reduce emissions to meet the less stringent limit of either 7011.0730 or 7011.0735 (table 1 and 2, respectively).	Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent	Minn. R. 7011.0715, subp. 1(B)
OPERATING REQUIREMENTS	hdr
Vent all emissions through one or more of the venturi scrubbers, CE001-005, when the natural smoke generators are operating.	Minn. R. 7007.0800, subp. 2
MONITORING & RECORDKEEPING	hdr
Control Equipment Check: A differential pressure reading shall be taken once each day on the scrubber associated with the natural smoke generators when they are operating. The scrubber shall operate within the manufacturer's recommended pressure rating. This rating should be listed in the O & M Plan for these units. If any readings are taken that are not in the recommended differential pressure range, the permittee shall implement corrective action according to the O & M Plan for the respective unit(s). Records shall be kept of the date, time and result of each observation taken along with any corrective actions taken.	Minn. R. 7007.0800, subp. 4 and 5
PERFORMANCE TESTING	hdr
Performance Test: due 180 days after Permit Issuance to measure Total Particulate Matter and Opacity emissions.	Minn. R. 7007.0800, subp. 2
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Subject Item: GP 005 Precook Bacon Process

Associated Items: CE 006 Mist Eliminator - High Velocity, i.e., V>250 Ft/Min
 CE 007 Mist Eliminator - High Velocity, i.e., V>250 Ft/Min
 CE 011 Mist Eliminator - High Velocity, i.e., V>250 Ft/Min
 EU 018 Precooked Bacon, South
 EU 019 Precooked Bacon, North
 EU 020 Precooked Bacon, East
 EU 021 Precooked Bacon, West
 EU 029 Bacon Bits Precooked Line
 SV 019 Precooked Bacon Stack (For EU018 & EU019)
 SV 020 Precooked Bacon Stack (For EU020 & EU021)
 SV 028 Bacon Bits Line (For EU029)

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than 0.30 grains/dry standard cubic foot unless required to reduce emissions to meet the less stringent limit of either 7011.0730 or 7011.0735 (table 1 and 2, respectively).	Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent opacity	Minn. R. 7011.0715, subp. 1(B)
OPERATING REQUIREMENTS	hdr
Vent all emissions from the precooked bacon fryers through mist eliminators, CE006 and CE007.	Minn. R. 7007.0800, subp. 2
MONITORING AND RECORDKEEPING	hdr
<p>Precooked Bacon Control Equipment Check: A differential pressure reading shall be taken once each operating day for each mist eliminator associated with the Precooked Bacon Line(s). The mist eliminator shall operate within the manufacturer's recommended differential pressure rating. This rating should be listed in the O & M Plan for these units.</p> <p>If any readings are taken that are not in the recommended differential pressure range, the permittee shall implement corrective action according to the O & M Plan for the respective unit(s). Records shall be kept of the date, time and result of each observation taken along with any corrective actions taken.</p>	Minn. R. 7007.0800, subp. 4 and 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Subject Item: GP 008 Boilers (29.4, 29.4 MMBtu/hr- Natural Gas)**Associated Items:** EU 044 Boiler #6 (29.4 MMBtu/hr)

EU 045 Boiler #7 (29.4 MMBtu/hr)

What to do	Why to do it
Fuel Type: Natural gas only	Minn. R. 7007.0800, subp. 2
Record and maintain records of the quantity of natural gas that each of the Dc boilers combust on a monthly basis.	40 CFR 60.48(g)

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Subject Item: EU 026 Belt Grill Precooked Line**Associated Items:** CE 010 Mist Eliminator - High Velocity, i.e., V>250 Ft/Min

SV 025 Koppens Grill Stack

What to do	Why to do it
EMISSION LIMIT	hdr
Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot unless required to reduce emissions to meet the less stringent limit of either 7011.0730 or 7011.0735 (table 1 and 2, respectively).	Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent opacity	Minn. R. 7011.0715, subp. 1(B)
MONITORING AND RECORDKEEPING	hdr
Koppens Grill Control Equipment Check: A differential pressure reading shall be taken once each operating day for the mist eliminator associated with the Koppens Grill. The mist eliminator shall operate within the manufactures recommended differential pressure rating. This rating should be listed in the O & M Plan for these units. If any readings are taken that are not in the recommended differential pressure range, the permittee shall implement corrective action according to the O & M Plan for the respective unit(s). Records shall be kept of the date, time and result of each observation taken along with any corrective actions taken.	Minn. R. 7007.0800, subp. 4 and 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Subject Item: EU 027 Rendering Area**Associated Items:** CE 008 Room Air Scrubber

SV 026 Rendering Room Scrubber Stack

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 8.38 lbs/hour	Title I Condition: to limit particulate emissions to less than major source levels as defined by 40 CFR 52.21. Also meets Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent opacity	Minn. R. 7011.0715, subp. 1(B)
MONITORING AND RECORDKEEPING	hdr
Rendering Area Control Equipment Check: A differential pressure reading shall be taken once each operating day for the scrubber associated with the Rendering Area Room Air. The scrubber shall operate within the recommended pressure range listed in the O & M Plan for these units. If any readings are taken that are not in the recommended differential pressure range, the permittee shall implement corrective action according to the O & M Plan for the respective unit(s). Records shall be kept of the date, time and result of each observation taken along with any corrective actions taken.	Minn. R. 7007.0800, subp. 4 and 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Subject Item: EU 028 Rendering Machinery**Associated Items:** CE 009 Venturi Scrubber/pkd twr

SV 027 Rendering Process Scrubber Stack (For EU028)

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 7.34 lbs/hour	Title I Condition: To limit potential particulate emissions to less than major source levels as defined by 40 CFR 52.21. Also meets limit set by Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent opacity	Minn. R. 7011.0715, subp. 1(B)
MONITORING & RECORDKEEPING	hdr
Rendering Machinery Control Equipment Check: A differential pressure reading shall be taken once each operating day for the venturi scrubber associated with the Rendering Machinery. The scrubber shall operate within the recommended pressure range listed in the O & M Plan for these units. If any readings are taken that are not in the recommended differential pressure range, the permittee shall implement corrective action according to the O & M Plan for the respective unit(s). Records shall be kept of the date, time and result of each observation taken along with any corrective actions taken.	Minn. R. 7007.0800, subp. 4 and 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

Subject Item: EU 036 Blood Dryer**Associated Items:** CE 018 Packed-Gas Adsorption Column

SV 033 Blood Dryer

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot unless required to reduce emissions to meet the less stringent limit of either 7011.0730 or 7011.735 (table 1 and 2, respectively.)	Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent	Minn. R. 7011.0715, subp. 1(B)
OPERATING REQUIREMENTS	hdr
Vent emissions through CE012 and CE013, the venturi and packed tower.	Minn. R. 7007.0800, subp. 2
MONITORING AND RECORDKEEPING	hdr
Control Equipment Check: A differential pressure reading shall be taken once each operating day on the venturi scrubber associated with the Blood Dryer. The venturi scrubber shall operate within a pressure range recommended in the operation and maintenance plan. If any readings are taken that are not in the recommended differential pressure range, the permittee shall implement corrective action according to the O & M Plan for the respective unit(s). Records shall be kept of the date, time and result of each observation taken, along with any corrective actions taken.	Minn., R. 7007.0800, subp. 4 and 5

TABLE B: SUBMITTALS

10/14/99

Facility Name: Hormel Foods Corp - Austin
Permit Number: 09900002 - 002

Table B lists most of the submittals required by this permit. Please note that some submittal requirements may appear in Table A or, if applicable, within a compliance schedule located in Table C. Table B is divided into two sections in order to separately list one-time only and recurrent submittal requirements.

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by parts 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Send any application for a permit or permit amendment to:

Permit Technical Advisor
Permit Section
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Also, where required by an applicable rule or permit condition, send to the Permit Technical Advisor notices of:

- accumulated insignificant activities,
- installation of control equipment,
- replacement of an emissions unit, and
- changes that contravene a permit term.

Unless another person is identified in the applicable Table, send all other submittals to:

Supervisor
Compliance Determination Unit
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Send submittals that are required to be submitted to the U.S. EPA regional office to:

Mr. George Czerniak
Air and Radiation Branch
EPA Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue NW (6204N)
Washington, D.C. 20460

TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

What to send	When to send	Portion of Facility Affected
Computer Dispersion Modeling Protocol	due 1,096 days after Permit Issuance. This protocol will describe the proposed modeling methodology and input data, in accordance with all requirements of 40 CFR pt. 51, App. W. Modeling shall address SO ₂ , Total Particulate Matter, NO _x and PM ₁₀ emissions.	Total Facility
Computer Dispersion Modeling Results	due 1,462 days after Permit Issuance To be submitted after the MPCA has reviewed and approved the modeling protocol.	Total Facility
Notification of the Actual Date of Initial Startup	due 15 days after Initial Startup	GP008
Notification of the Anticipated Date of Initial Startup	due 30 days before Anticipated Date of Initial Startup	GP008
Notification of the Date Construction Began	due 30 days after Start Of Construction	GP008
Performance Test Notification (written)	due 30 days before Performance Test	GP001, GP003
Performance Test Plan	due 30 days before Performance Test	GP001, GP003
Performance Test Report - Microfiche Copy	due 105 days after Performance Test	GP001, GP003
Performance Test Report	due 45 days after Performance Test	GP001
Performance Test Report	due 45 days after Performance Test	GP003
Testing Frequency Plan	due 90 days after Initial Performance Test for Total Particulate Matter. The plan shall specify a testing frequency for Total Particulate Matter based on the initial performance test and MPCA guidance. A testing frequency shall be established for each boiler group (EU001-EU003) and (EU004-EU005). Future performance tests at a year (12-month), 36-month, or 60-month intervals or as applicable shall be required upon written approval of the plan by MPCA per Minn. R. 7017.2020, subp. 1.	GP001
Testing Frequency Plan	due 90 days after Initial Performance Test for Total Particulate Matter. The plan shall specify a testing frequency for Total Particulate Matter based on the initial performance test and MPCA guidance. Future performance tests at a year (12-month), 36-month, or 60-month intervals or as applicable shall be required upon written approval of the plan by MPCA per Minn. R. 7017.2020, subp. 1.	GP003

TABLE B: RECURRENT SUBMITTALS

10/14/99

Facility Name: Hormel Foods Corp - Austin

Permit Number: 09900002 - 002

What to send	When to send	Portion of Facility Affected
Semiannual Deviations Report	due 30 days after end of each calendar half-year following Permit Issuance. The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31.	Total Facility
Compliance Certification	due 31 days after end of each calendar year following Permit Issuance (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner, and to the U.S. EPA regional office in Chicago. This report covers all deviations experienced during the calendar year. The EPA copy shall be sent to: Mr. George Czerniak, Chief, Air Enforcement and Compliance Assurance Branch, Air and Radiation Division, EPA Region V, 77 West Jackson Boulevard, Chicago, Illinois 60604>	Total Facility
Emissions Inventory Report	due 91 days after end of each calendar year following Permit Issuance (April 1). To be submitted on a form approved by the Commissioner.	Total Facility

TECHNICAL SUPPORT DOCUMENT
For
DRAFT AIR EMISSION PERMIT NO. 09900002-001

This technical support document is for all the interested parties of the draft permit. The purpose of this document is to set forth the legal and factual basis for the draft permit conditions, including references to the applicable statutory or regulatory provisions.

1. General Information

1.1. Applicant and Stationary Source Location:

Owner and Operator Address and Phone Number	Facility Address (SIC Code: 2013 & 2011)
Hormel Foods Corporation 1 Hormel Pl Austin, MN 55912-0367 Mower County	Hormel Foods Corporation 500 14th Avenue N.E. Austin, MN 55912-0367 Mower County

1.2. Description of the facility

The Hormel facility consists of a meat processing and byproducts plant. At the plant, Quality Pork Processors (QPP) slaughters hogs, and Hormel processes hogs and produces ham, bacon, and other meat products. Byproducts include blood, cracklings, wet bone meal, and choice white grease.

Emissions from five gas-oil fired boilers are discharged into the atmosphere from one stack. Emissions from five process ovens that use natural smoke, are treated with venturi scrubbers before discharge to the atmosphere, while emissions from seven process ovens utilizing "liquid smoke" discharge without emission control. Emissions from four precooked bacon units and a bacon bits line are treated in mist eliminators before discharge. Room air is vented to the atmosphere from the precooked bacon area by the Precooked Bacon Oven Room Vent. Emissions from the two bacon pad cutters are discharged to the atmosphere. A Fulton Heater preheats a heat transfer medium for the Koppens Grill. Emissions from the Fulton Heater are discharged to the atmosphere. Emissions from the Koppens Grill are treated in a demister before being discharged.

A natural gas standby emergency generator, is vented to the atmosphere. The emissions from a series of rendering process units are directly treated in the Rendering Process Scrubber before discharge. Process emissions not collected by the rendering scrubber from this rendering area are treated in the Room Air Scrubber before discharge.

There are also three No. 6 fuel oil storage tanks, and within the Hog Kill and Cut Area, the Hog Singer is vented to the atmosphere.

1.3 Description of any changes allowed with this permit issuance

This minor permit amendment authorizes the following changes to the existing facility. The primary purpose of this permit is to authorize the addition of the natural gas boilers # 6 and #7. In addition, the following insignificant activity modifications are included. These are as follows:

Permit Action Number:
Date: 1/20/2004

- Microwaveable Bacon Line installed in 1999. This installation was not finalized prior to the submission of the Title V permit application.
- Radiant Wall Oven installed in 1999. This installation was in process when submitting the Title V permit or subsequent revisions.
- Make-up Air unit for Radiant Wall Oven installed in 1999. This installation was not finalized prior to the submission of the Title V permit application.
- Make-up Air unit MP-11 retrofitted with a burner in 1999. This modification was not finalized prior to the submission of the Title V permit application.

This permit also addresses four additional insignificant activities. These four activities were specifically included in the Title V technical support document. These activities were, however, inadvertently omitted from the Title V permit. At this time, they are being included in Delta. These emission units are EU040, EU041, EU042, and EU043.

The minor amendment permit requirements are not Title I conditions.

1.4 Permit History.

Permit Number and Issuance Date	Action Authorized
09900002-001 August 5, 1999	Title V permit issued.
09900002-012 May 12, 1998	Installation and operation of a Precooked Bacon Line
41893-I/O-1 Jan. 14, 1993	Installation and operation of a Precooked Bacon Line
41892-P-1 April 21, 1992	Installation and operation of a Liquid Smoke Spray Cabinet
418-90-I/O-1 August 20, 1990	Installation and operation of four Precooked Bacon Lines

1.5. Facility Emissions:

Table 1. Total Facility Potential to Emit Summary:

EU #	SV#	Emission Unit Description	PM tpy	PM10 Tpy	SO2 tpy	NOx tpy	CO tpy	VOC tpy	Pb tpy	All HAPs tpy
001	001	49 MMBtu/hr Boiler	7.90	6.95	68.2	37.2	7.15	0.543	-	0.095
002	001	49 MMBtu/hr Boiler	7.90	6.95	68.2	37.2	7.15	0.543	-	0.095
003	001	49 MMBtu/hr Boiler	7.90	6.95	68.2	37.2	7.15	0.543	-	0.095
004	001	25 MMBtu/hr Boiler	4.03	3.55	34.8	19.0	3.65	0.277	-	0.045
005	001	7.14 MMBtu/hr Boiler	0.93	0.815	8.34	3.72	0.585	0.113	-	0.012

Permit Action Number:

Date: 1/20/2004

018	019	Precooked Bacon South	6.9	6.9	-	-	-	0.38	-	-
019	019	Precooked Bacon North	6.9	6.9	-	-	-	0.38	-	-
020	020	Precooked Bacon East	6.9	6.9	-	-	-	0.38	-	-
021	020	Precooked Bacon West	6.9	6.9	-	-	-	0.38	-	-
026	025	Koppens Grill	5.68	5.68	-	-	-	0.30	-	-
027	026	Rendering Room	36.7	36.7	-	-	-	36.7	-	-
028	027	Rendering Machinery	32.1	32.1	-	-	-	32.1	-	-
029	028	Bacon Bits Line	4.2	4.2	-	-	-	0.22	-	-
031	2-11	Natural Smoke Generator	11.56	11.56	-	0.49	23.13	13.46	-	1.092
032	2-11	Natural Smoke Generator	11.56	11.56	-	0.49	23.13	13.46	-	1.092
036	033	Blood Dryer	8.8	8.8	-	5.3	1.3	0.1	-	-
044	038	Boiler #6	0.9	0.9	0.07	12.26	10.3	0.67		
045	039	Boiler #7	0.9	0.9	0.07	12.26	10.3	0.67		
047	041	Radiant Wall Oven	0.19	0.19	0.02	2.58	2.16	0.14		

	PM Tpy	PM10 Tpy	SO2 tpy	NOx tpy	CO tpy	VOC Tpy	Pb tpy	Single HAP tpy	All HAPs tpy
Total Facility Limited Potential Emissions	169	165	247	167	95.9	101.2	-	-	2.53

Emission units 044, 045, and 047 are included in this minor amendment action.

Table 2. Facility(TF) and Permit Classification

Classification (put x in appropriate box)	Major/Affected Source	*Synthetic Minor	*Minor
PSD (list pollutant)		SO2, NOx, PM, PM10	CO, VOC, HAP
NAAR (list pollutant) NA			
Part 70 Permit Program (list pollutant)	PM, PM10, SO2, NOx		CO, VOC, HAP

* Refers to potential emissions that are less than those specified as major by 40 CFR 52.21, 40 CFR pt. 51 Appendix S, and 40 CFR pt. 70.

2. Regulatory and/or Statutory Basis

Summary Regulatory and/or Statutory Basis of the Emission or operational Limit

Regulatory Overview of Facility

Permit Action Number:

Date: 1/20/2004

*EU, GRP, or SV #	Applicable Regulations	**Comments:
EU001-EU005, Boilers	Minn. R. 7011.0515 40 CFR 52.21	Standards of Performance for New Indirect Heating Equipment and Synthetic Minor Limits for 40 CFR 52.21
EU018- EU022, EU028 Precook Bacon	Minn. R. 7011.0715	Standards of Performance for Industrial Process Equipment
EU026 EU027 EU028 EU029 Koppens Grill, Rendering	Minn. R 7011.0715	Standards of Performance for Industrial Process Equipment and Synthetic Minor Limits for 40 CFR 52.21
EU031 EU032 Natural Smoke Generators	Minn. R 7011.0715	Standards of Performance for Industrial Process Equipment
Group 2 Tanks	40 CFR Pt. 60, Subp. Ka	Standards of Performance for Petroleum Storage
EU044, EU045 Natural Gas Boilers	40 CFR Pt. 60, Subp. Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

3. Technical Information

NSPS: Group 8 consists of two natural gas (29.4 MMBtu/hr) boilers subject to 40 CFR Part 60 Subpart Dc.

Facility Size: With the addition of the two 29.4 MMBtu/hr boilers, the overall facility now has a rated input of all direct and indirect heating equipment greater than 250 MMBtu/hr. This subjects the facility to a SO₂ emission limit of 2.0 lbs/MMBtu for liquid fuels. Minn. R. 7011.0510, subp. 1.

In addition, the new boilers raise the total facility fossil fuel boiler capacity from 179.14 to 243.94 MMBtu/hr. It was brought to Hormel's attention that the PSD major threshold for total facility fossil fuel capacity is 250 MMBtu/hr. Should they go over 250 MMBtu/hr, the Permittee would then become a PSD major facility.

Compliance Demonstration:

Fossil Fuel Boilers: Liquid fuels are subject to a SO₂ emission limit of 2.0 lb/MMBtu. Compliance for this limit will be demonstrated through vendor certifications of sulfur content.

Natural Gas Boilers: Record keeping of natural gas usage will be required.

4. Conclusion

Based on the information provided by the Hormel Foods Corporation, the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 09900002-002 and this technical support document, will not cause or contribute to a violation of applicable federal regulations and Minnesota Rules.

Staff Members on Permit Team: Bruce Braaten

Attachment: Complete List of Emission Units and Potential Emissions. Includes Insignificant Activities Listed

Permit Action Number:

Date: 1/20/2004

Complete List of Emission Units and Potential Emissions. Includes Insignificant Activities.

Table 1. Total Facility Potential to Emit Summary:

EU #	SV#	Emission Unit Description	PM Tpy	PM10 tpy	SO2 tpy	NOx tpy	CO Tpy	VOC Tpy	Pb tpy	All HAPs tpy
001	001	49 MMBtu/hr Boiler	7.90	6.95	68.2	37.2	7.15	0.543	-	0.095
002	001	49 MMBtu/hr Boiler	7.90	6.95	68.2	37.2	7.15	0.543	-	0.095
003	001	49 MMBtu/hr Boiler	7.90	6.95	68.2	37.2	7.15	0.543	-	0.095
004	001	25 MMBtu/hr Boiler	4.03	3.55	34.8	19.0	3.65	0.277	-	0.049
005	001	7.14 MMBtu/hr Boiler	0.93	0.815	8.34	3.72	0.585	0.113	-	0.012
006*	002	Smoke Oven 6	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
007*	004	Smoke Oven 7	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
008*	006	Smoke Oven 8	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
009*	008	Smoke Oven 9	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
010*	010	Smoke Oven 10	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
011*	012	Liquid Smoke Oven 11	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
012*	013	Liquid Smoke Oven 12	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
013*	014	Sausage Prep. Oven 1	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
014*	015	Sausage Prep. Oven 2	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
015*	016	Sausage Prep. Oven 3	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
016*	017	Sausage Prep. Oven 4	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
017*	018	Sausage Prep. Oven 5	0.075	0.075	0.004	0.626	0.131	0.024	0.00	-
018	019	Precooked Bacon South	6.9	6.9	-	-	-	0.38	-	-
019	019	Precooked Bacon North	6.9	6.9	-	-	-	0.38	-	-
020	020	Precooked Bacon East	6.9	6.9	-	-	-	0.38	-	-
021	020	Precooked Bacon West	6.9	6.9	-	-	-	0.38	-	-
022*	021	Standby Generator	0.002	0.002	0.000	0.766	0.096	0.018	-	-
023*	022	MW Bacon Pad Cutter	0.13	0.13	-	-	0.23	3.76	-	-
024*	023	MW Bacon Pad Cutter	0.13	0.13	-	-	0.23	3.76	-	-

Permit Action Number:

Date: 1/20/2004

025*	024	Fulton Belt Grill	0.114	0.114	0.006	0.947	0.198	0.036	-	-
026	025	Koppens Grill	5.68	5.68	-	-	-	0.30	-	-
027	026	Rendering Room	36.7	36.7	-	-	-	36.7	-	-
028	027	Rendering Machinery	32.1	32.1	-	-	-	32.1	-	-
029	028	Bacon Bits Line	4.2	4.2	-	-	-	0.22	-	-
030*	029	Hog Singer	0.40	0.40	0.02	3.34	0.701	0.127	-	-
031	2-11	Natural Smoke Generator	11.56	11.56	-	0.49	23.13	13.46	-	1.092
032	2-11	Natural Smoke Generator	11.56	11.56	-	0.49	23.13	13.46	-	1.092
033*	030	GP Salt System	14.3	14.3	-	-	-	-	-	-
034*	031	MP Salt System	14.3	14.3	-	-	-	-	-	-
035*	032	GP Sugar System	14.3	14.3	-	-	-	-	-	-
036	033	Blood Dryer	8.8	8.8	-	5.3	1.3	0.1	-	-
037*	014	Vapor Smoke Gen.	1.49	1.49	-	-	4.42	0.06	-	0.059
038*	015	Vapor Smoke Gen.	1.49	1.49	-	-	4.42	0.06	-	0.059
039*	016 017	Vapor Smoke Gen.	1.49	1.49	-	-	4.42	0.06	-	0.059
040*	034	KC-9 makeup air htr	0.3	0.3	0.01	2.46	0.04	0.09	-	-
041*	035	KC-7 makeup air htr	0.14	0.14	0.01	1.14	0.24	0.04	-	-
042*	036	Rendering makeup air htr	0.13	0.13	0.01	1.08	0.23	0.04	-	-
043*	037	Rendering makeup air htr	0.13	0.13	0.01	1.08	0.23	0.04	-	-
044	038	Boiler #6	0.93	0.93	0.07	12.26	10.30	0.67		
045	039	Boiler #7	0.93	0.93	0.07	12.26	10.30	0.67		
046*	040	Pad Cutters	0.03	0.03	0	0	0.05	0.73		
047	041	Radiant Wall Ovens	0.20	0.20	0.02	2.58	2.16	0.14		
048*	042	RWO MAU	0.008	0.008	.0006	0.10	0.09	.0056		
049*	043	MP-11 MAU	.007	.007	.0005	.088	.074	.0048		

	PM tpy	PM10 tpy	SO2 tpy	NOx tpy	CO Tpy	VOC Tpy	Pb tpy	Single HAP tpy	All HAPs tpy
Total Facility Limited Potential Emissions	219	215	247	186	113	109	-	-	2.7

* Insignificant Activities

Permit Action Number:
Date: 1/20/2004