

1

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

### **GENERAL PERMIT CONDITIONS**

#### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

#### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

#### **CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

2

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

### **PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

3

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

### **BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

### **SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

4

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

5

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

| <u>Ohio<br/>EPA<br/>Source<br/>Number</u> | <u>Source<br/>Identification<br/>Number</u> | <u>BAT<br/>Determination</u> | <u>Applicable Federal<br/>&amp; OAC Rules</u> | <u>Permit Allowable Mass<br/>Emissions and/or<br/>Control/Usage<br/>Requirements</u> |
|---|---|------------------------------|---|--|
|---|---|------------------------------|---|--|

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Land O'Lakes Inc** located in **Portage** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

|                                 |                |   |  |
|---------------------------------|----------------|---|--|
| Ohio<br>EPA<br>Source<br>Number | B002           | Kewanee<br>10.463 MMBTU/hour<br>natural gas/No. 2<br>fuel oil<br>fired boiler<br>(Boiler 2) | 10.463<br>MMBTU/hour<br>natural gas/No.<br>2<br>fuel oil<br>fired boiler<br>(Boiler 2) |
| B001                            | B002<br>Cont'd | Kewanee<br>10.463 MMBTU/hour<br>natural gas/No. 2<br>fuel oil<br>fired boiler (Boiler<br>1) |  |

Kewanee

Facility Name: **Land O'Lakes Inc**  
Application Number: **16-1863**  
Date: **December 21, 1998**

| <u>Ohio<br/>EPA<br/>Source<br/>Number</u> | <u>Source<br/>Identification<br/>Number</u> | <u>BAT<br/>Determination</u> | <u>Applicable Federal<br/>&amp; OAC Rules</u> | <u>Permit Allowable Mass<br/>Emissions and/or<br/>Control/Usage<br/>Requirements</u> |
|---|---|------------------------------|---|--|
|---|---|------------------------------|---|--|

BAT  
Determination

The use of  
natural gas or  
No. 2 fuel oil

The use of  
natural gas or  
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Facility Name: **Land O'Lakes Inc**  
 Application Number: **16-1863**  
 Date: **December 21, 1998**

| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal &amp; OAC Rules</u>                        | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|-------------------------------------|--------------------------|--|--|
|                               |                                     | 3745-17-07<br>(A)        |  | See A.15 and A.16 below  |
|                               | Applicable Federal & OAC Rules      | 3745-17-10<br>(B)        |  | 0.020 pound of particulate emissions per MMBTU actual heat input         |
| 3745-31-05                    |                                     |                          | When burning natural gas, see A.1 through A.8 below              | See A.17 below   |
|                               |                                     | 3745-21-08<br>(B)        |  | See A.17 below   |
|                               |                                     |                          | When burning No. 2 fuel oil, see A.9 through A.14 below          |  |
| 3745-17-07<br>(A)             |                                     |                          | See A.15 and A.16 below  |  |
| 3745-17-10<br>(B)             |                                     |                          | 0.020 pound of particulate emissions per MMBTU actual heat input |  |
| 3745-21-08<br>(B)             |                                     |                          | See A.17 below   |  |
| 3745-31-05                    |                                     |                          | When burning natural gas, see A.1 through A.8 below              |  |
|                               |                                     |                          | When burning No. 2 fuel oil, see A.9 through A.14 below          |  |

Facility Name: **Land O'Lakes Inc**  
 Application Number: **16-1863**  
 Date: **December 21, 1998**

SUMMARY  
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

| <u>Pollutant</u>                  | <u>Tons/Year</u> |
|-----------------------------------|------------------|
| Total Standard                    |                  |
| Particulate (TSP)                 | 1.34             |
| Ten Micron Particulate            |                  |
| Matter (PM <sub>10</sub> )        | 0.72             |
| Sulfur Dioxide (SO <sub>2</sub> ) | 24.01            |
| Oxides of Nitrogen                |                  |
| (NO <sub>x</sub> )                | 16.05            |
| Volatile Organic                  |                  |
| Compounds (VOC)                   | 0.26             |
| Carbon Monoxide (CO)              | 3.34             |
| Organic Compounds (OC)            | 0.53             |

**RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Akron Air Pollution Control, 146 South High Street, Room 904, Akron, OH 44308.**

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

### **WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

### **MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

### **AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

### **ADDITIONAL SPECIAL TERMS AND CONDITIONS**

#### **A. Additional Terms and Conditions**

1. Mass emissions shall be limited to 0.05 pound of filterable particulate matter (PM - filterable) per hour, and 0.21 ton per year, when burning natural gas.
2. Mass emissions shall be limited to 0.08 pound of condensable particulate matter (PM - condensable) per hour, and 0.34 ton per year, when burning natural gas.
3. Mass emissions shall be limited to 0.03 pound of ten micron particulate matter (PM<sub>10</sub>) per hour, and 0.14 ton per year, when burning natural gas.
4. Mass emissions shall be limited to 0.01 pound of sulfur dioxide (SO<sub>2</sub>) per hour, and 0.03 ton per year, when burning natural gas.

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

5. Mass emissions shall be limited to 1.00 pound of oxides of nitrogen (NO<sub>x</sub>) per hour, and 4.58 tons per year, when burning natural gas.
6. Mass emissions shall be limited to 0.03 pound of volatile organic compounds (VOC) per hour, and 0.13 ton per year, when burning natural gas.
7. Mass emissions shall be limited to 0.22 pound of carbon monoxide (CO) per hour, and 0.96 ton per year, when burning natural gas.
8. Mass emissions shall be limited to 0.06 pound of organic compounds (OC) per hour, and 0.27 ton per year, when burning natural gas.
9. Mass emissions shall be limited to 0.15 pound of filterable particulate matter (PM - filterable) per hour, and 0.67 ton per year, when burning No. 2 fuel oil.
10. Mass emissions shall be limited to 0.08 pound of ten micron particulate matter (PM<sub>10</sub>) per hour, and 0.36 ton per year, when burning No. 2 fuel oil.
11. Mass emissions shall be limited to 2.74 pounds of sulfur dioxide (SO<sub>2</sub>) per hour, and 12.01 tons per year, when burning No. 2 fuel oil.
12. Mass emissions shall be limited to 1.83 pounds of oxides of nitrogen (NO<sub>x</sub>) per hour, and 8.03 tons per year, when burning No. 2 fuel oil.
13. Mass emissions shall be limited to 0.03 pound of volatile organic compounds (VOC) per hour, and 0.11 ton per year, when burning No. 2 fuel oil.
14. Mass emissions shall be limited to 0.38 pound of carbon monoxide (CO) per hour, and 1.67 tons per year, when burning No. 2 fuel oil.
15. Visible particulate emission restrictions:

This emissions unit shall comply with OAC Rule 3745-17-07(A), which limits visible particulate emissions as follows:

- a. Except as provided below, visible particulate emissions from the stack shall not exceed an opacity of twenty (20) percent as a six-minute average.
- b. Visible particulate emissions from the stack may exceed twenty (20) percent as a six-minute average for not more than six (6) consecutive minutes in any sixty-minute period, but shall not

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

exceed sixty (60) percent opacity at any time.

16. The visible particulate emission limitations specified above shall not apply to the following operations, provided the operations are documented in a boiler operations log kept at the facility:
  - a. the start-up of the source for a period of time required to achieve stable combustion conditions, but no more than three (3) hours from the moment of start-up. "Start-up" means the commencement of firing of fuel from a cold non-fired condition;
  - b. the shutdown of the source for a period of not more than three (3) hours; and,
  - c. the malfunction of the source or associated equipment, if the owner of the source or operator of the equipment complies with the requirements of OAC Rule 3745- 15-06.

This boiler operations log shall clearly document the date, beginning time, and ending time of the exempted operations listed above.

17. Carbon monoxide emissions shall be minimized by use of the best available control techniques and operating practices in accordance with best current technology.

**B. Operational Restrictions**

1. The maximum heat input to both B001 and B002 shall not exceed 10.463 mmBtu per hour, the maximum rated capacity of each boiler.
2. Natural gas shall be used as the primary fuel in both B001 and B002.
3. Each boiler shall utilize No. 2 fuel oil only in curtailment situations. The date and time that either B001 or B002 is operated using fuel oil firing shall be clearly documented in a boiler operating log.
4. The quality of the oil burned in B001 and B002 shall meet the following specification on an "as-received" basis: Greater than or equal to 137,000 BTU per gallon of oil.

Compliance with the above-mentioned specification shall be determined

12

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

using the analytical results provided by the permittee or oil supplier for each shipment of oil.

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in B001 and B002. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM method: ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Akron Air Pollution Control.
2. For each shipment of oil received for burning in B001 and B002, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for heat content and the calculated SO<sub>2</sub> emission rate in lb/MMBTU.
3. The permittee shall maintain monthly records of the following information for emissions units B001 and B002 combined:
  - a. the total amount of natural gas burned, in cubic feet;
  - b. the total amount of No. 2 fuel oil burned, in gallons;
  - c. the calculated emission rate of sulfur dioxide, in tons; and,
  - d. the calculated emission rate of nitrogen oxides, in tons

**D. Reporting Requirements**

1. The permittee shall notify the Director (the Akron Air Pollution Control) of any deviation of the No. 2 fuel oil specification required in section B.4. of the terms and conditions above. The notification shall include a copy of the results of the fuel analyses and shall be sent to the Director (the Akron Air Pollution Control) within 30 days after the exceedance occurs, and shall include the following information:
  - a. the date of each exceedance;
  - b. the nature or type of each deviation (i.e., fuel oil quality, cumulative hours of operation, etc.); and,
  - c. the corrective action taken to rectify the condition which caused the

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

excursion.

2. The permittee shall submit deviation (excursion) reports which identify any monthly record that documents a weighted average heat content that is less than 137,000 Btu per gallon of oil.
3. The permittee shall also submit annual reports which specify the following for emissions units B001 and B002 combined for the previous calendar year:
  - a. the total natural gas usage;
  - b. the total No. 2 fuel oil usage;
  - c. the sulfur dioxide emissions;
  - d. the nitrogen oxides emissions; and,
  - e. a copy of the oil supplier's analyses for each shipment received during the reporting period.

These reports shall be submitted by January 31 of each year.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Emissions Summary of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation

0.020 pound of particulate matter per million Btu of actual heat input

Applicable Compliance Method

To demonstrate compliance with OAC rule 3745-17-10 when burning distillate fuel oil, the permittee shall multiply the particulate emission factor of 0.002 pound of particulate emissions per gallon burned by the maximum hourly distillate fuel oil consumption rate of 76.35 gallons per hour, and divide by 10.463 mmBtu per hour.

To demonstrate compliance with OAC rule 3745-17-10 when burning natural gas, the permittee shall multiply the particulate emission factor of the combination of 4.5 pounds filterable plus 7.5 pounds condensable, totaling 12.0 pounds of particulate emissions per million cubic feet burned by the maximum hourly natural gas

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

consumption rate (0.01 million cubic feet per hour), and divide by 10.463 mmBtu per hour.

b. Emission Limitation

0.05 pound of filterable particulate matter (PM - filterable) per hour, and 0.21 ton per year, when burning natural gas.

Applicable Compliance Method

The 0.05 pound/hour emissions limitation was developed by multiplying the emission factor of 0.0000045 pound of filterable particulate matter per cubic foot of natural gas by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of natural gas, 1000 BTU per cubic foot. The 0.21 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.05 lb/hr emissions limitation, divided by 2,000 lbs/ton.

c. Emission Limitation

0.08 pound of condensable particulate matter (PM - condensable) per hour, and 0.34 ton per year, when burning natural gas.

Applicable Compliance Method

The 0.08 pound/hour emissions limitation was developed by multiplying the emission factor of 0.0000075 pound of condensable particulate matter per cubic foot of natural gas by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of natural gas, 1000 BTU per cubic foot. The 0.34 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.08 lb/hr emissions limitation, divided by 2,000 lbs/ton.

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

d. Emission Limitation

0.03 pound of ten micron particulate matter (PM<sub>10</sub>) per hour, and 0.14 ton per year, when burning natural gas.

Applicable Compliance Method

The 0.03 pound/hour emissions limitation was developed by multiplying the emission factor of 0.000003 pound of ten micron particulate matter per cubic foot of natural gas by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of natural gas, 1000 BTU per cubic foot. The 0.14 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.03 lb/hr emissions limitation, divided by 2,000 lbs/ton.

e. Emission Limitation

0.01 pound of sulfur dioxide (SO<sub>2</sub>) per hour, and 0.03 ton per year, when burning natural gas.

Applicable Compliance Method

The 0.01 pound/hour emissions limitation was developed by multiplying the emission factor of 0.000006 pound of sulfur dioxide per cubic foot of natural gas by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of natural gas, 1000 BTU per cubic foot. The 0.03 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.01 lb/hr emissions limitation, divided by 2,000 lbs/ton.

f. Emission Limitation

1.00 pound of oxides of nitrogen (NO<sub>x</sub>) per hour, and 4.58 tons per year, when burning natural gas.

Applicable Compliance Method

The 1.00 pound/hour emissions limitation was developed by

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

multiplying the emission factor of 0.0001 pound of oxides of nitrogen per cubic foot of natural gas by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of natural gas, 1000 BTU per cubic foot. The 4.58 tons/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 1.00 lb/hr emissions limitation, divided by 2,000 lbs/ton.

g. Emission Limitation

0.03 pound of volatile organic compounds (VOC) per hour, and 0.13 ton per year, when burning natural gas.

Applicable Compliance Method

The 0.03 pound/hour emissions limitation was developed by multiplying the emission factor of 0.0000028 pound of volatile organic compounds per cubic foot of natural gas by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of natural gas, 1000 BTU per cubic foot. The 0.13 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.03 lb/hr emissions limitation, divided by 2,000 lbs/ton.

h. Emission Limitation

0.22 pound of carbon monoxide (CO) per hour, and 0.96 ton per year, when burning natural gas.

Applicable Compliance Method

The 0.22 pound/hour emissions limitation was developed by multiplying the emission factor of 0.000021 pound of carbon monoxide per cubic foot of natural gas by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

natural gas, 1000 BTU per cubic foot. The 0.96 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.22 lb/hr emissions limitation, divided by 2,000 lbs/ton.

i. Emission Limitation

0.06 pound of organic compounds (OC) per hour, and 0.27 ton per year, when burning natural gas.

Applicable Compliance Method

The 0.06 pound/hour emissions limitation was developed by multiplying the emission factor of 0.0000058 pound of organic compounds per cubic foot of natural gas by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of natural gas, 1000 BTU per cubic foot. The 0.27 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.06 lb/hr emissions limitation, divided by 2,000 lbs/ton.

j. Emission Limitation

0.15 pound of filterable particulate matter (PM - filterable) per hour, and 0.67 ton per year, when burning No. 2 fuel oil.

Applicable Compliance Method

The 0.15 pound/hour emissions limitation was developed by multiplying the emission factor of 0.002 pound of filterable particulate matter per gallon of No. 2 fuel oil by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of No. 2 fuel oil, 137,000 BTU per gallon. The 0.67 ton/year limitation

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.15 lb/hr emissions limitation, divided by 2,000 lbs/ton.

k. Emission Limitation

0.08 pound of ten micron particulate matter (PM<sub>10</sub>) per hour, and 0.36 ton per year, when burning No. 2 fuel oil.

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

#### Applicable Compliance Method

The 0.08 pound/hour emissions limitation was developed by multiplying the emission factor of 0.00108 pound of ten micron particulate matter per gallon of No. 2 fuel oil by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of No. 2 fuel oil, 137,000 BTU per gallon. The 0.36 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.08 lb/hr emissions limitation, divided by 2,000 lbs/ton.

#### I. Emission Limitation

2.74 pounds of sulfur dioxide (SO<sub>2</sub>) per hour, and 12.01 tons per year, when burning No. 2 fuel oil.

#### Applicable Compliance Method

The 2.74 pounds/hour emissions limitation was developed by multiplying the emission factor of 0.0359 pound of sulfur dioxide per gallon of No. 2 fuel oil by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of No. 2 fuel oil, 137,000 BTU per gallon. The 12.01 tons/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 2.74 lbs/hr emissions

#### m. Emission Limitation

1.83 pounds of oxides of nitrogen (NO<sub>x</sub>) per hour, and 8.03 tons per year, when burning No. 2 fuel oil.

#### Applicable Compliance Method

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

The 1.83 pounds/hour emissions limitation was developed by multiplying the emission factor of 0.024 pound of oxides of nitrogen per gallon of No. 2 fuel oil by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of No. 2 fuel oil, 137,000 BTU per gallon. The 8.03 tons/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 1.83 lbs/hr emissions limitation, divided by 2,000 lbs/ton.

n. Emission Limitation

0.03 pound of volatile organic compounds (VOC) per hour, and 0.11 ton per year, when burning No. 2 fuel oil.

Applicable Compliance Method

The 0.03 pound/hour emissions limitation was developed by multiplying the emission factor of 0.00034 pound of volatile organic compounds per gallon of No. 2 fuel oil by the maximum boiler capacity of 10.463 MMBTU/hour, and dividing by the heat value of No. 2 fuel oil, 137,000 BTU per gallon. The 0.11 ton/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.03 lb/hr emissions limitation, divided by 2,000 lbs/ton.

o. Emission Limitation

0.38 pound of carbon monoxide (CO) per hour, and 1.67 tons per year, when burning No. 2 fuel oil.

Applicable Compliance Method

The 0.38 pound/hour emissions limitation was developed by multiplying the emission factor of 0.005 pound of carbon monoxide per gallon of No. 2 fuel oil by the maximum boiler capacity of

Facility Name: **Land O'Lakes Inc**

Application Number: **16-1863**

Date: **December 21, 1998**

10.463 MMBTU/hour, and dividing by the heat value of No. 2 fuel oil, 137,000 BTU per gallon. The 1.67 tons/year limitation was developed by multiplying the hourly emission rate limitation by the maximum annual operating schedule of 8,760 hours/year, and dividing by the conversion factor of 2000 pounds per ton. Therefore compliance shall be based upon the 12-month summation of the number operating hours times the 0.38 lb/hr emissions limitation, divided by 2,000 lbs/ton.

p. Emission Limitation

20 percent opacity as a 6-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

**F. Miscellaneous Requirements**

1. None.