

APPENDIX 6C

**SOUTH SHORE WASTEWATER TREATMENT PLANT
AIR POLLUTION CONTROL OPERATING PERMIT**

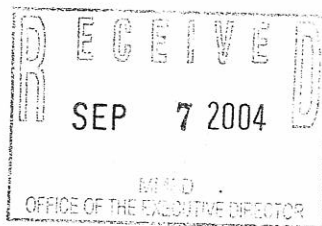


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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 North Dr. Martin Luther King Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
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August 31, 2004



FILE CODE: 4530-1
FID #: 241228350
PERMIT #: 241228350-P01

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

9-09-04 Original forward to:
- Jeff Schilling
Copy forward to:
- Susan Anthony

Kevin Shafer, P.E., Executive Director
South Shore Wastewater Treatment Facility
260 West Seeboth Avenue
Milwaukee, WI 53204

Dear Mr. Shafer:

Your application for an air pollution control operation permit has been processed in accordance with sec. 285.62, Wis. Stats.

The enclosed operation permit is issued to provide authorization for your source to operate a wastewater treatment facility in accordance with the requirements and conditions set forth within Parts I and II of the permit. Please read it carefully. This permit expires **August 31, 2009**. This source may not operate after this operation permit expires unless you have submitted a new operation permit application that has been deemed complete.

A copy of this permit should be available at the source for inspection by any authorized representative of the Department. Questions about this permit should be directed to the Wisconsin Department of Natural Resources, 2300 North M.L. King, Jr. Drive, Milwaukee, Wisconsin, 53212; Telephone (414) 263-8500, Fax (414) 263-8716. Please note that the following emission limitations may apply to the insignificant emissions units listed in your permit application:

- 1) Section NR 415.05, Wis. Adm. Code – Particulate emission limits for processes;
- 2) Section NR 415.06, Wis. Adm. Code – Particulate emission limits for fuel burning installations;
- 3) Section NR 415.07, Wis. Adm. Code – Particulate emission limits for incinerators;
- 4) Section NR 423.03, Wis. Adm. Code – Solvent metal cleaning;
- 5) Sections NR 431.04 and 431.05, Wis. Adm. Code – Visible emission limitations;
- 6) Section NR 485.05, Wis. Adm. Code – Visible emission limits for motor vehicles, internal combustion engines and mobile sources; and

- 7) Section NR 485.055, Wis. Adm. Code – Particulate emission limit for gasoline and diesel internal combustion engines.

While these emission limitations are not specifically listed in your air pollution control permit, you are responsible for ensuring compliance with all emission limitations which apply to the insignificant emission units at your facility.

This source may not operate after this operation permit expires unless you have submitted a timely and complete application for renewal of this operation permit. If you submit a timely and complete application for renewal, the existing operation permit will not expire until the renewal application has been finally acted upon by DNR. [s. 227.51, s. 285.66(3), Wis. Stats. and NR 407.04(2), Wis. Adm. Code].

NOTICE OF APPEAL RIGHTS

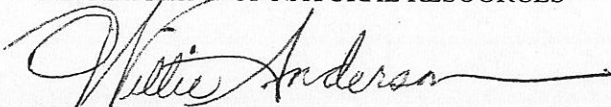
If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes establish time periods within which requests to review Department decisions must be filed.

To request a contested case hearing pursuant to s. 285.81, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for a contested case hearing on the Secretary of the Department of Natural Resources. Any such petition for hearing shall set forth specifically the issue sought to be reviewed, the interest of the petitioner, the reasons why a hearing is warranted and the relief desired.

For judicial review of a decision pursuant to ss. 227.52 and 227.53, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

This notice is provided pursuant to s. 227.48(2), Stats.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES



Willie Anderson
Air Management Engineer

cc: Ashok Singh – Southeast Region Headquarters

Enclosure

**BEFORE THE DEPARTMENT OF NATURAL RESOURCES
AIR MANAGEMENT PROGRAM
FINDINGS OF FACT
CONCLUSIONS OF LAW
AND DECISION**

Findings of Fact

The Department of Natural Resources (DNR) finds that:

- 1) South Shore Wastewater Treatment Facility, 260 West Seeboth Avenue, Milwaukee, WI, 53204, has applied for an air pollution control operation permit. The authorized representative of the facility is Kevin Shafer, P.E., Executive Director.
- 2) South Shore Wastewater Treatment Facility submitted an air pollution control permit application and plans and specifications and any additional information describing the air pollution source on 8-15-95; 10-13-95; 9-26-03; and 7-7-04.
- 3) DNR has reviewed South Shore Wastewater Treatment Facility's air pollution control operation permit application, plans, specifications and other information available to DNR.
- 4) DNR has prepared an analysis and a Preliminary Determination on the approvability of the operation permit application.
- 5) This permit is for the operation of a Part 70 source.
- 6) DNR has complied with the procedures set forth in s. 285.62, Wis. Stats.
- 7) The air contaminant source meets all of the applicable criteria in ss. 285.63 and 285.64, Wis. Stats.
- 8) DNR has complied with the requirements of s. 1.11, Stats., and ch. NR 150, Wis. Adm. Code.

Conclusions of Law

DNR concludes that:

- 1) DNR has authority under sec. 285.11(1), Wis. Stats., to promulgate rules contained in chs. NR 400-499, Wis. Adm. Code, including but not limited to rules containing emission limits, compliance schedules and compliance determination methods.
- 2) DNR has the authority under ss. 285.11(1), (5) and (6), 285.27(1) and (2) and 285.65, Wis. Stats., and chs. NR 400-499, Wis. Adm. Code, to establish emission limits for sources of air pollution.
- 3) DNR has the authority to issue air pollution control permits and to include conditions in such permits under ss. 285.60, 285.62, 285.63, 285.64, and 285.65, Wis. Stats.
- 4) The emission limits included in this permit are authorized by ss. 285.65, Wis. Stats., and NR 400-499, Wis. Adm. Code.

- 5) DNR is required to comply with sec. 1.11, Stats., and ch. NR 150, Wis. Adm. Code, in conjunction with issuing an air pollution control permit.

Decision

South Shore Wastewater Treatment Facility is authorized to operate a in conformity with the emission limits, monitoring, record keeping and reporting requirements and specific and general conditions set forth in this permit.

AIR POLLUTION CONTROL OPERATION PERMIT

EI FACILITY NO: 241228350

PERMIT NO.: 241228350-P01

TYPE: Part 70

In compliance with the provisions of Chapter 285, Wis. Stats., and Chapters NR 400 to NR 499, Wis. Adm. Code,

Name of Source: South Shore Wastewater Treatment Facility

Street Address: 260 West Seeboth Avenue,
Milwaukee, Milwaukee County, Wisconsin

Responsible Official, & Title: Kevin L. Shafer, P.E., Executive Director
Milwaukee Metropolitan Sewerage District

is authorized to operate in conformity with the conditions herein.

THIS OPERATION PERMIT EXPIRES

August 31, 2009

Renewal application must be submitted at least 6 months, but not more than 18 months, prior to this expiration date. [s. NR 407.09(1)(b)1., Wis. Adm. Code]

This source may not operate after this operation permit expires unless you have submitted a timely and complete application for renewal of this operation permit. If you submit a timely and complete application for renewal, the existing operation permit will not expire until the renewal application has been finally acted upon by DNR. [s. 285.66(3), Wis. Stats. and NR 407.04(2), Wis. Adm. Code]

This authorization requires compliance by the permit holder with the emission limitations, monitoring requirements and other terms and conditions set forth in Parts I and II hereof.

Dated at Milwaukee, Wisconsin

August 31, 2004

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

By

Daniel Schramm

Daniel Schramm, Supervisor
SER Air Management Program
Milwaukee Service Center

PREAMBLE

An Asterisk (*) throughout this document denotes legal authority, limitations and conditions which are not federally enforceable.

Concurrent Permit Actions Performed as Part of the Review and Issuance of Permit 241228350-P01.

Construction Permits Issued in Conjunction with Permit 241228350-P01 Under s. 285.61(8), Wis. Stats.:

None

Revised Construction Permits Issued in Conjunction with Permit 241228350-P01 Under s. NR 406.11, Wis. Adm. Code:

None

Operation (CONOP) Permits Issued in Conjunction with Permit 241228350-P01 Under s. 285.62(7)(b), Wis. Stats.:

None

Revised Operation Permits Issued in Conjunction with Permit 241228350-P01 Under ss. NR 407.11, 407.12, 407.13 and/or 407.14, Wis. Adm. Code:

None

The following permits, orders, etc., are adopted, under ss. 285.65(3), Wis. Stats., NR 406.11(1)(c) and (d), NR 407.09(2)(d) and NR 407.15(3) and (4), Wis. Adm. Code, by Permit 241228350-P01 which then becomes the primary enforceable document:

99-DJH-272; 02-SB-286

Stack and Process Index.

1. Process B12, Stack(s) S12 Control Device(s) <None> — All boilers and space heating units less than 5 MM Btu/hr
2. Process B20, I:21 Stack(s) S13 Control Device(s) <None> — TWO (2) 5.23MM BTU/HR CLEAVER BROOKS BOILERS USED FOR SLUDGE HEATING
3. Process B24, B25, B26 Stack(s) S15 Control Device(s) <None> — THREE (3) - 20.925 MM BTU/HR KEWANEE BOILER USED FOR SLUDGE HEATING BUILDING HEAT.
4. Process B27, B28 Stack(s) S14 Control Device(s) <None> — TWO(2) - 5.313 MM BTU/HR BOILERS USED FOR BUILDING HEAT
5. Process P20, Stack(s) S20 Control Device(s) <None> — ONE EXCESS DIGESTER GAS FLARE @90 MMBTU/HR.
6. Process P21, Stack(s) S21 Control Device(s) <None> — ONE EXCESS DIGESTER GAS FLARE @90 MMBTU/HR.
7. Process P30, P31, P32, P33, Stack(s) S10 Control Device(s) <None> — FOUR (4) -10.59 MMBTU/HR BLOWER ENGINES

8. Process P34, Stack(s) S11 Control Device(s) <None> — ONE (1) – 16.28 MMBTU/HR ENGINE DRIVEN BLOWER
9. Process P70, Stack(s) S70 Control Device(s) <None> — ONE (1) 250 MGD WASTEWATER TREATMENT PROCESS

Permit Shield — Unless precluded by the Administrator of the US EPA, compliance with all emission limitations in this operation permit is considered to be compliance with all emission limitations established under ss. 285.01 to 285.87, Wis. Stats., and emission limitations under the federal clean air act, that are applicable to the source if the permit includes the applicable limitation or if the Department determines that the emission limitations do not apply. The following emission limitations were reviewed in the analysis and preliminary determination and were determined not to apply to this stationary source: None.

Part I — The headings for the areas in the permit are defined below. The legal authority for these limitations or methods follows them in [brackets].

Pollutant — This area will note which pollutant is being regulated by the permit.

Limitations — This area will list all applicable emission limitations that apply to the source, including case-by-case limitations such as Latest Available Control Techniques (LACT), Best Available Control Technology (BACT), or Lowest Achievable Emission Rate (LAER). It will also list any voluntary restrictions on hours of operation, raw material use, or production rate requested by the permittee to limit potential to emit.

Compliance Demonstration — The compliance demonstration methods outlined in this area may be used to demonstrate compliance with the associated emission limit or work practice standard listed under the corresponding Limitations column. The compliance demonstration area contains limits on parameters or other mechanisms that will be monitored periodically to ensure compliance with the limitations. The requirement to test as well as initial and periodic test schedules, if testing is required, will be stated here. Notwithstanding the compliance determination methods which the owner or operator of a source is authorized to use under ch. NR 439, Wis. Adm. Code, the Department may use any relevant information or appropriate method to determine a source's compliance with applicable emission limitations.

Reference Test Methods, Recordkeeping, and Monitoring Requirements — Specific US EPA Reference test methods or other approved test methods will be contained in this area and are the methods that must be used whenever testing is required. A reference test method will be listed even if no testing is immediately required. Also included in this area are any recordkeeping requirements and their frequency and reporting requirements. Accuracy of monitoring equipment shall meet, at a minimum, the requirements of s. NR 439.055(3) and (4), Wis. Adm. Code, as specified in Part II of this permit.

Condition Type — This area will specify other conditions that are applicable to the entire facility that may not be tied to one specific pollutant.

Conditions — Specific conditions usually applicable to the entire facility or compliance requirements.

Compliance Demonstration — This area contains monitoring and testing requirements and methods to demonstrate compliance with the conditions.

PART II — This section contains the general limitations that the permittee must abide by. These requirements are standard for most sources of air pollutants so they are included in this section with every permit.

Part I

A. Process B20, B21 Stack S13, TWO (2) -5.23 MM BTU/HR CLEAVER BROOKS BOILERS, INSTALLED IN 1987.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. PARTICULATE MATTER	(1) Installations of 250 mmBtu/hr or less, installed after April 1, 1972, shall limit particulate matter emissions to 0.15 lb per million Btu heat input. [415.06(2)(a), Wis. Adm. Code]	(1) Permittee shall burn only digester gas or natural gas as fuel. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) Permittee shall keep and maintain monthly fuel usage records of the quantity of natural gas used for these boilers in units of millions of cubic feet [s. NR 439.04(1)(d), Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 5 or an equivalent method approved in writing by the Department. [s. NR 439.06(1), Wis. Adm. Code]
2. VISIBLE EMISSIONS	(1) Emissions shall be limited to 20% opacity. Opacity is allowed up to 80% for not more than 5 minutes in any one hour when the combustion equipment is being cleaned or a new fire started. [s. NR 431.05, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.A.1.b.(1) shall be used to demonstrate compliance with visible emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.B.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the visible emissions. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 9 or an equivalent method approved in writing by the Department. [s. NR 439.06(9), Wis. Adm. Code]
3. NOx Emissions	(1) No person may cause, allow or permit emissions of nitrogen oxides to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 428.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.A.1.b.(1) shall be used to demonstrate compliance with nitrogen oxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.B.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the nitrogen oxide emission limitations. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 7 or an equivalent method approved in writing by the Department. [s. NR 439.06(6)(a), Wis. Adm. Code]
4. Carbon Monoxide Emissions	(1) No person may cause, allow or permit emissions of carbon monoxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 426.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.B.1.b.(1) shall be used to demonstrate compliance with carbon monoxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.B.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the carbon monoxide emission limitations. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]

A. Process B20, B21 Stack S13, TWO (2) -5.23 MM BTU/HR CLEAVER BROOKS BOILERS, INSTALLED IN 1987.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
			<p>Code]</p> <p>(2) Whenever compliance testing is required, permittee shall use USEPA Method 10 or an equivalent method approved in writing by the Department.[s. NR 439.06(4)(a), Wis. Adm. Code]</p>

Natural gas and digester gas are clean-burning fuels and no emissions limit will be exceeded with their use.

B. Process B24, B25, B26 Stack S15. --THREE (3) 20.925 MM BTU/HR KEWAUNEE BOILERS, INSTALLED IN 1987.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. PARTICULATE MATTER	(1) Installations of 250 mmBtu/hr or less, installed after April 1, 1972, shall limit particulate matter emissions to 0.15 lb per million Btu heat input [415.06(2)(a), Wis. Adm. Code]	(1) Permittee shall burn only digester gas and natural gas as fuel. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) Permittee shall keep and maintain monthly fuel usage records of the quantity of natural gas used for these boilers in units of millions of cubic feet. [s. NR 439.04(1)(d), Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 5 or an equivalent method approved in writing by the Department. [s. NR 439.06(1), Wis. Adm. Code.]
2. VISIBLE EMISSIONS	Emissions shall be limited to 20% opacity. Opacity is allowed up to 80% for not more than 5 minutes in any one hour when the combustion equipment is being cleaned or a new fire started. [s. NR 431.05, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.B.1.b.(1) shall be used to demonstrate compliance with visible emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.B.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the visible emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 9 or an equivalent method approved in writing by the Department. [s. NR 439.06(9), Wis. Adm. Code]
3. NOx EMISSIONS	(1) No person may cause, allow or permit emissions of nitrogen oxides to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 428.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.B.1.b.(1) shall be used to demonstrate compliance with nitrogen oxides emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.B.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the nitrogen oxides emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 7 or an equivalent method approved in writing by the Department. [s. NR 439.06(6)(a), Wis. Adm. Code]
4. Carbon Monoxide Emissions	(1) No person may cause, allow or permit emissions of carbon monoxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 426.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.B.1.b.(1) shall be used to demonstrate compliance with carbon monoxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.B.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the carbon monoxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]

B. Process B24, B25, B26 Stack S15. --THREE (3) 20.925 MM BTU/HR KEWAUNEE BOILERS, INSTALLED IN 1987.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
SO ₂	(1) No person may cause, allow or permit emission of sulfur or sulfur compounds into the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution.[s. NR 417.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.B.1.b.(1) shall be used to demonstrate compliance with sulfur dioxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(2) Whenever compliance testing is required, permittee shall use USEPA Method 10 or an equivalent method approved in writing by the Department.[s. NR 439.06(4)(a), Wis. Adm. Code] (1) The recordkeeping and monitoring requirements under I.B.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the sulfur dioxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 6 or an equivalent method approved in writing by the Department.[s. NR 439.06(2)(a), Wis. Adm. Code]

¹The calculated MTE is 0.16 lb/hr, which is based upon the AP-42 emission factor for natural gas combustion. Digester gas has a heat input rating 60% of natural gas, and therefore with the use of natural gas or digester gas the modeled emission limitation will not be exceeded.

C. Process B27, B28 Stack S14. - TWO (2) 5.313 MM BTU/HR BOILERS USED FOR BUILDING HEAT, INSTALLED IN 1987.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. PARTICULATE MATTER	(1) Emissions shall be limited to 0.15 lbs particulate matter per million Btu heat input[s. NR 415.06(2)(a), Wis. Adm. Code; or 0.04 lb/hr. ³ [s. 285.65(7), Wis. Stats.].	(1) Permittee shall burn only natural gas or digester gas as fuel.[s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) Permittee shall keep and maintain monthly fuel usage records of the quantity of natural gas used for these boilers in units of millions of cubic feet.[s. NR 439.04(1)(d), Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 5 or an equivalent method approved in writing by the Department.[s. NR 439.06(1), Wis. Adm. Code]
2. VISIBLE EMISSIONS	(1) Emissions shall be limited to 20% opacity. Opacity is allowed up to 80% for not more than 5 minutes in any one hour when the combustion equipment is being cleaned or a new fire started. [s. NR 431.05, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.C.1.b.(1) shall be used to demonstrate compliance with visible emissions limitations.[s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.C.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the visible emissions limitation.[s. N407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 9 or an equivalent method approved in writing by the Department.[s. NR 439.06(9), Wis. Adm. Code]
3. NOx Emissions	(1) No person may cause, allow or permit emissions of nitrogen oxides to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution.[s. NR 428.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.C.1.b.(1) shall be used to demonstrate compliance with visible emissions limitations.[s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.C.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the visible emissions limitation.[s. N407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 7 or an equivalent method approved in writing by the Department.[s. NR 439.06(6)(a), Wis. Adm. Code]
4. Carbon Monoxide Emissions	(1) No person may cause, allow or permit emissions of carbon monoxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution.[s. NR 426.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.C.1.b.(1) shall be used to demonstrate compliance with visible emissions limitations.[s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.C.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the visible emissions limitation.[s. N407.09(1)(a)1.b., Wis. Adm. Code]

C. Process B27, B28 Stack S14. -TWO (2) 5.313 MM BTU/HR BOILERS USED FOR BUILDING HEAT, INSTALLED IN 1987.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping, and Monitoring Requirements
			(2) Whenever compliance testing is required, permittee shall use USEPA Method 10 or an equivalent method approved in writing by the Department [s. NR 439.06(4)(a), Wis. Adm. Code]

³The MTE for these units is 0.04 lb/hr using the AP-42 emission factor of 0.0076 lb/mmBtu for natural gas combustion. Digester gas has a heat input of 60% of natural gas and should emit far less particulate matter than natural gas combustion. The allowable emission rate is 0.797 lb/hr. Therefore, 0.04 lb/hr is more stringent than 0.797 lb/hr. As long as digester gas or natural gas is used no emissions limits will be exceeded.

⁴See footnote 3

D. Process P20, Stack S20; Process P21, Stack S21. --TWO (2) 90.0 MM BTU/HR EXCESS DIGESTER GAS FLARES, INSTALLED IN 2002.

Pollutant	4. Limitations	5. Compliance Demonstration	6. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. PARTICULATE MATTER	(1) No person may cause, allow or permit particulate matter to be emitted into ambient air which substantially contributes to exceeding of air quality standard, or creates air pollution. [415.03, Wis. Adm. Code]	(1) Permittee shall burn only digester gas as fuel. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) Permittee shall keep and maintain monthly fuel usage records of the quantity of digester gas used for these flares in units of millions of cubic feet. [s. NR 439.04(1)(d), Wis. Adm. Code] (2) Permittee shall operate and maintain the flares in accordance with a malfunction prevention and abatement plan. [s. NR 439.04(1)(d), s. NR 439.11, Wis. Adm. Code]
2. VISIBLE EMISSIONS	(1) Emissions shall be limited to 20% opacity. [s. NR 431.05, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.D.1.b.(1) shall be used to demonstrate compliance with visible emissions limitations. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) Whenever compliance testing is required, permittee shall use USEPA Method 9 or an equivalent method approved in writing by the Department. [s. NR 439.06(9), Wis. Adm. Code]
3. VOC Emissions	(1) VOC emissions are limited to 0.78 lb/hr total combined emissions for the two stacks. [02-JSB-286; s. 285.65(7), Wis. Stats.]	(1) Digester gas from the sewage treatment plant shall be the only fuel used for these flares. [s. 285.65(7), Wis. Stats.] (2) Each flare should be equipped with a thermocouple that detects the presence of the pilot flame in the flare. If the pilot flame goes out, the re-ignition system will automatically attempt to restart the flame. In addition, an alarm is sent to the operator indicating when the flame is out. The operator shall, in accordance with the malfunction prevention and abatement plan, attempt to re-ignite the flame, or direct the digester gas to the other flare and perform maintenance on the malfunctioning flare. [s. 285.65(10), Wis. Stats.]	(1) The recordkeeping and monitoring requirements under I.D.1.c.(1) and (2) shall be considered the recordkeeping and monitoring requirements for the volatile organic compound emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]
4. Carbon Monoxide Emissions	(1) No person may cause, allow or permit emissions of carbon monoxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 426.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.D.1.b.(1) shall be used to demonstrate compliance with carbon monoxide emissions limitations. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.E.1.c.(1) and (2) shall be considered the recordkeeping and monitoring requirements for the carbon monoxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]

D. Process P20, Stack S20; Process P21, Stack S21. -TWO (2) 90.0 MM BTU/HR EXCESS DIGESTER GAS FLARES, INSTALLED IN 2002.

Pollutant	1. Limitations	2. Compliance Demonstration	3. Reference Test Methods, Recordkeeping and Monitoring Requirements
5. SO ₂	(1) No person may cause, allow or permit emissions of sulfur dioxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 417.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.D.1.b.(1) shall be used to demonstrate compliance with sulfur dioxide emissions limitations. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.D.1.c.(1) and (2) shall be considered the recordkeeping and monitoring requirements for the sulfur dioxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]
6. NO _x	(1) No person may cause, allow or permit emissions of nitrogen oxides to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 428.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.D.1.b.(1) shall be used to demonstrate compliance with nitrogen oxide emissions limitations. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.E.1.c.(1) and (2) shall be considered the recordkeeping and monitoring requirements for the nitrogen oxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]

*The MTE for VOCs is 0.36 lb/hr for each flare for a total of 0.72 lb/hr combined. The limit of 0.78 lb/hr from construction permit 02-USB-286 is slightly higher than the combined MTE for these flares. Therefore, with the exclusive use of digester gas the emission limit of 0.78 lb/hr will not be exceeded.

E. Process P30, P31, P32, P33 Stack S10 - FOUR (4) 10.59 MM BTU/HR BLOWER ENGINES, INSTALLED IN 1973.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. PARTICULATE MATTER	(1) For Stack S10, emissions shall be limited to 0.15 lbs particulate matter per million Btu heat input. [s. NR 415.06(2)(a), Wis. Adm. Code]	(1) Permittee shall burn only digester gas or natural gas as fuel. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) Permittee shall keep and maintain daily fuel consumption records compiled monthly of the quantity of natural gas or digester gas used for these engines in units of millions of cubic feet. [s. NR 439.04(1)(d), Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 5 or an equivalent method approved in writing by the Department. [s. NR 439.06(1), Wis. Adm. Code.]
2. VISIBLE EMISSIONS	(1) Emissions shall be limited to 20% opacity. Opacity is allowed up to 80% for not more than 5 minutes in any one hour when the combustion equipment is being cleaned or a new fire started. [s. NR 431.05, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.E.1.b.(1) shall be used to demonstrate compliance with the visible emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.E.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the visible emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 9 or an equivalent method approved in writing by the Department. [s. NR 439.06(9)(a)1., Wis. Adm. Code]
3. CO	(1) No person may cause, allow or permit emissions of carbon monoxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 426.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.E.1.b.(1) shall be used to demonstrate compliance with the carbon monoxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.E.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the carbon monoxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 10 or an equivalent method approved in writing by the Department. [s. NR 439.06(4)(a), Wis. Adm. Code]
4. VOCs	(1) VOC emissions shall be limited to 1.25 lbs/air averaged over any 24 hour period. [s. 285.65(7), Wis. Stats.]	(1) The compliance demonstration requirements under I.E.1.b.(1) shall be used to demonstrate compliance with the VOC emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.E.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the VOC emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]

E. Process P30, P31, P32, P33 Stack S10 - FOUR (4) 10.59 MM BTU/HR BLOWER ENGINES, INSTALLED IN 1973.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping, and Monitoring Requirements Code]
5. NOx Emissions	(1) No person may cause, allow or permit emissions of nitrogen oxides to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 428.03, Wis. Adm. Code]	(1) Permittee shall limit total NOx emissions to no more than 367.92 tons averaged over any consecutive 12 months. To calculate the NOx hourly emissions rate permittee shall use an emission factor of 4.08 lb NOx per million Btu heat input. The resulting hourly NOx emission rate shall be multiplied times the number of hours of operation during any 12 consecutive months. [s. 285.65(7), Wis. Stats., s. NR 404.04(1), Wis. Adm. Code]	(1) Permittee shall keep and maintain monthly records of the quantity of digester gas and/or natural gas used for these boilers in units of millions of cubic feet. [s. NR 439.04(1)(d), Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 7 or an equivalent method approved in writing by the Department. [s. NR 439.06(6), Wis. Adm. Code]
6. Formaldehyde	(1) The owner or operator of any facility which emits any hazardous air pollutant in quantities greater than those listed in Table 3B shall control emissions to a level which is best available control technology (BACT). [s. NR 445.05(3)(b), Wis. Adm. Code]	(1) The compliance demonstration requirements under I.F.1.b.(1) shall be used to demonstrate compliance with formaldehyde emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code; s. NR 445.05(3)(b), Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.F.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the formaldehyde emission limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use test plans and methods approved in writing by the Department. [s. NR 439.06(8), Wis. Adm. Code]

*The combined modeled limit for all four blowers is 84 lb/hr to comply with the National Ambient Air Quality standard.

F. Process P34, Stack S11 - ONE (1) 16.28 MM BTU/HR GENERATOR ENGINE, INSTALLED IN 2000.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. PARTICULATE MATTER	(1) Particulate matter emissions are limited to 0.15 lb of particulate matter per mmBtu heat input. ⁶ [s. NR 415.06(2)(a), Wis. Adm. Code]	(1) Permittee shall burn only digester gas or natural gas as fuel.[s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) Permittee shall keep and maintain monthly fuel usage records of the quantity of digester gas and natural gas used for this engine in units of millions of cubic feet.[s. NR 439.04(1)(d), Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 5 or an equivalent method approved in writing by the Department.[s. NR 439.06(1), Wis. Adm. Code]
2. VISIBLE EMISSIONS	(1) Emissions shall be limited to 20% opacity. ⁷ Opacity is allowed up to 80% for not more than 5 minutes in any one hour when the combustion equipment is being cleaned or a new fire started.[s. NR 431.05, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.F.1.b.(1) shall be used to demonstrate compliance with visible emissions limitations.[s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.F.1.c.(1) shall be considered the recordkeeping and monitoring requirements for visible emissions limitations.[s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 9 or an equivalent method approved in writing by the Department.[s. NR 439.06(9)(a)1., Wis. Adm. Code]
3. NOx Emissions	(1) On or after December 31, 2002, no person may cause, allow or permit nitrogen oxides to be emitted during the ozone season from reciprocating engines with a maximum design power output of 2000 horsepower or greater in excess of the 10.0 grams per brake horsepower for lean-burn units.[s. NR 428.05(3)(c), Wis. Adm. Code]	(1) The permittee shall determine the average NOx emission rate, in pounds per million Btu, using an established site-specific emissions rate curve using established fuel consumption rates based on stack test emissions data.[s. NR 428.05(4)(b)2., Wis. Adm. Code] (2) The compliance demonstration requirements under I.F.1.b.(1) shall be used to demonstrate compliance with NOx emissions limitations.[s. NR 407.09(1)(a)1.b., Wis. Adm. Code; s. NR 404.04(1), Wis. Adm. Code]	(1) Permittee shall submit semi-annual reports of NOx mass emissions as required by s. NR 428.05(5)(b), Wis. Adm. Code along with other compliance reports required under this permit.[s. NR 428.05(5)(b), Wis. Adm. Code; s. NR 439.04(1)(d), Wis. Adm. Code] (2) Permittee shall submit to the Department a compliance certification in support of each report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored and that the NOx emission rate and NOx concentration values substituted for missing data under subpart D of 40 CFR part 75 area calculated using only values from an ozone season and do not systematically underestimate

F. Process Y34, Stack S11 - ONE (1) 1628 MM BTU/HR GENERATOR ENGINE, INSTALLED IN 2000.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
4. SO ₂	(1) No person may cause, allow or permit emissions of sulfur dioxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 417.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.F. 1.b.(1) shall be used to demonstrate compliance with sulfur dioxide emissions limitations. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	NOx emissions. [s. NR 407.09, Wis. Adm. Code] (3) Permittee shall also monitor and report heat input for this engine in units of millions of Btu per cubic foot [s. NR 428.11, Wis. Adm. Code] (4) The recordkeeping and monitoring requirements under I.F. 1.c.(1) shall be considered the recordkeeping and monitoring requirements for the nitrogen oxide emissions limitations [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (5) Whenever compliance testing is required, permittee shall use USEPA Method 7 or an equivalent method approved in writing by the Department. [s. NR 439.06(6), Wis. Adm. Code] (1) The recordkeeping and monitoring requirements under I.F. 1.c.(1) and (2) shall be considered the recordkeeping and monitoring requirements for the sulfur dioxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 6 or an equivalent alternative method approved in writing by the Department. [s. NR 439.06(2)(a), Wis. Adm. Code]
5. CO	(1) No person may cause, allow or permit emissions of carbon monoxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 426.03, Wis. Adm. Code]	(1) The compliance demonstration requirements under I.F. 1.b.(1) shall be used to demonstrate compliance with the carbon monoxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	(1) The recordkeeping and monitoring requirements under I.F. 1.c.(1) shall be considered the recordkeeping and monitoring requirements for the carbon monoxide emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 10 or an equivalent method approved in writing by the Department. [s. NR 439.06(4)(a), Wis. Adm. Code]

F. Process P34, Stack S11 - ONE (1) 16.28 MM BTU/HR GENERATOR ENGINE, INSTALLED IN 2000.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
6. VOCs	(1) VOC emissions shall be limited to 2.9 lbs/hr averaged over any 24 hour period. [s. 285.65(7), Wis. Stats.]	(1) The compliance demonstration requirements under I.F.1.b.(1) shall be used to demonstrate compliance with the VOC emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	Code] (1) The recordkeeping and monitoring requirements under I.F.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the VOC emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use USEPA Method 18 or an equivalent method approved in writing by the Department. [s. NR 439.06(3)(a), Wis. Adm. Code]
7. Formaldehyde	(1) The owner or operator of any facility which emits any hazardous air pollutant in quantities greater than those listed in Table 3B shall control emissions to a level which is best available control technology (BACT) ⁸ [s. NR 445.05(3)(b), Wis. Adm. Code]	(1) The compliance demonstration requirements under I.F.1.b.(1) shall be used to demonstrate compliance with the VOC emissions limitation. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code]	Code] (1) The recordkeeping and monitoring requirements under I.F.1.c.(1) shall be considered the recordkeeping and monitoring requirements for the formaldehyde emissions limitations. [s. NR 407.09(1)(a)1.b., Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use test plans and methods approved in writing by the Department. [s. NR 439.06(8), Wis. Adm. Code]

⁸The MTE for particulate matter emission from the combustion of natural gas is 0.16 lb/hr, which is less than the allowable emission rate of 2.44 lb/hr. Exclusive use of digester gas and natural gas will ensure that the modeled limit will not be exceeded.

⁹See footnote 1.

¹⁰Best Available Control Technology (BACT) has been determined to be the use of digester gas as fuel in the engine. When natural gas is burned, formaldehyde emissions are exempt as combustion products of a group 1 virgin fossil fuel. The essential difference between digester gas and natural gas is that digester gas has 60% as much methane as natural gas.

G. Process P70, Stack F70 - WASTEWATER TREATMENT PROCESS [250 MGD Daily Maximum; 170 MGD Monthly Maximum].

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. FORMALDEHYDE	(1) Permittee shall operate the wastewater treatment facility in accordance with Best Available Control Technology (BACT) [s. NR 445.05(3)(b), Wis. Adm. Code]	(1) See I.G.1.c.(1) (2) Permittee shall use the highest emission factor recorded from the TOXCHEM model as the emission factor for formaldehyde. [s. NR 439.04(1)(d), Wis. Adm. Code]	(1) Permittee shall maintain daily influent records of the quantity of wastewater treated in millions of gallons per day to be compiled once per month. [s. NR 439.04(1)(d), Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use a method approved in writing by the Department. [s. NR 439.06(1), Wis. Adm. Code]
2. CHLOROFORM	(1) Permittee shall operate the wastewater treatment facility in accordance with Best Available Control Technology (BACT) [s. NR 445.05(3)(b), Wis. Adm. Code]	(1) See I.G.1.c.(1) (2) Permittee shall use the highest emission factor recorded from the TOXCHEM model as the emission factor for chloroform, which is the lowest achievable emission rate. [s. NR 439.04(1)(d), Wis. Adm. Code; s. NR 445.05(3)(a), Wis. Adm. Code]	(1) Permittee shall maintain daily influent records of the quantity of wastewater treated in millions of gallons per day to be compiled once per month. [s. NR 439.04(1)(d), Wis. Adm. Code] (2) Whenever compliance testing is required, permittee shall use test plans and methods approved in writing by the Department. [s. NR 439.06(8), Wis. Adm. Code]

H. Conditions Applicable to the Entire Facility.			
Pollutant	Limitations	Compliance Demonstration	Reference Test Methods, Recordkeeping and Monitoring Requirements
1. Compliance Reports/Records.	<p>(1) Upon issuance of the operation permit, the permittee shall submit periodic monitoring reports. [s. NR 407.09(1)(c)3., Wis. Adm. Code]</p> <p>(2) Upon issuance of the operation permit, the permittee shall submit periodic certification of compliance. [s. NR 407.09(4)(a)3., Wis. Adm. Code]</p> <p>(3) The records required under this permit shall be retained for at least five (5) years and shall be made available to department personnel upon request during normal business hours. [s. NR 439.04, s. NR 439.05, Wis. Adm. Code]</p>	<p>(1) The permittee shall submit a monitoring report which contains the results of monitoring or a summary of monitoring results required by this permit to the Department every 6 months.</p> <p>(a) The time periods to be addressed by the submittal are January 1 to June 30; July 1 to December 31.</p> <p>(b) The report shall be submitted to the Wisconsin Department of Natural Resources Southeast Region Air Program, P.O. Box 12436, 2300 North M.L. King Drive, Milwaukee, WI 53212 within 30 days after the end of each reporting period.</p> <p>(c) All deviations from and violations of applicable requirements shall be clearly identified in the submittal.</p> <p>(d) Each submittal shall be certified by a responsible official as to the truth, accuracy and completeness of the report.</p> <p>(e) The content of the submittal is described in item D. of Part II of the operation permit. [s. NR 439.03(1)(b), Wis. Adm. Code]</p> <p>(2) The permittee shall submit an annual certification of compliance with the requirements of this permit to the Wisconsin Department of Natural Resources Southeast Region Air Program, P.O. Box 12436, 2300 North M.L. King Drive, Milwaukee, WI 53212 and to Compliance Data - Wisconsin, Air and Radiation Division, US EPA, 77 W. Jackson, Chicago, IL 60604.</p> <p>(a) The time period to be addressed by the report is the January 1 to December 31.</p>	None Applicable.

H. Conditions Applicable to the Entire Facility.

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
		<p>period which precedes the report.</p> <p>(b) The report shall be submitted to the Wisconsin Department of Natural Resources Southeast Region Air Program, P.O. Box 12436, 2300 North M.L. King Drive, Milwaukee, WI 53212 and to US EPA within 30 days after the end of each reporting period.</p> <p>(c) The information included in the report shall comply with the requirements of Part II, Section N of this permit.</p> <p>(d) Each report shall be certified by a responsible official as to the truth, accuracy and completeness of the report.</p> <p>[s. NR 439.03(1)(c), Wis. Adm. Code]</p>	
2. Malfunction Prevention and Abatement Plan.	<p>(1) A malfunction prevention and abatement plan shall be prepared and followed for the plant.</p> <p>[s. NR 439.11, Wis. Adm. Code]</p> <p>(2) All air pollution control equipment shall be operated and maintained in conformance with good engineering practices (i.e. operated and maintained according to manufacturer's specifications and directions) to minimize the possibility for the exceedance of any emission limitations.</p> <p>[s. NR 439.11(4), Wis. Adm. Code]</p>	<p>(1) The malfunction prevention and abatement plan shall be developed to prevent, detect and correct malfunctions or equipment failures which may cause any applicable emissions limitation to be violated or which may cause air pollution.</p> <p>[s. NR 439.11(1), Wis. Adm. Code]</p> <p>(a) This malfunction prevention and abatement plan shall include installation, maintenance and routine calibration procedures for the process monitoring and control equipment instrumentation. This plan shall require an instrumentation calibration at the frequency specified by the manufacturer, yearly or at a frequency based on good engineering practice as established by operational history, whichever is more frequent. Inspection and calibration shall also be conducted whenever instrumentation anomalies are noted.</p>	<p>(1) A written copy of the malfunction prevention and abatement plan shall be kept at the plant and shall be updated once every five years. [s. NR 439.11(1), Wis. Adm. Code]</p> <p>(2) The facility shall maintain an inventory of normal consumable items necessary to ensure operation of the control device(s) in conformance with the manufacturer's specifications and recommendations. [s. NR 439.11, Wis. Adm. Code]</p> <p>The facility shall maintain records of the instrumentation calibrations. [s. NR 439.04, Wis. Adm. Code]</p>

H. Conditions Applicable to the Entire Facility.			
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
		<p>[ss. NR 407.09(1)(c)I.c., NR 439.055(4) and s. NR 439.11, Wis. Adm. Code]</p> <p>(b) The malfunction prevention and abatement plan shall require a copy of the operation and maintenance manual for the control equipment to be maintained on site. The plan shall contain all of the elements in s. NR 439.11(1)(a) - (h), Wis. Adm. Code.</p> <p>[s. NR 439.11, Wis. Adm. Code]</p>	

PART II
General Permit Conditions
For Direct Stationary Sources

A. Scope

This permit is valid only for the structure, building, facility, equipment or operation specifically identified herein. All emissions authorized hereby shall be in compliance with the terms and conditions of Parts I and II of this permit. [s. 285.60(7), Wis. Stats.]

B. Emissions Prohibited

Unless the Department has approved an exception under s. NR 436.03(2), no person may cause, allow, or permit emissions of any air contaminant into the ambient air in excess of the limits set in chs. NR 400 to 499, Wis. Adm. Code. [s. NR 436.03(1), Wis. Adm. Code]

C. General Emission Limits

1. No person may cause, allow, or permit particulate matter to be emitted into the ambient air which substantially contributes to exceeding of an air standard, or creates air pollution. [s. NR 415.03, Wis. Adm. Code]
2. No person may cause, allow, or permit any materials to be handled, transported, or stored without taking precautions to prevent particulate matter from becoming airborne. Nor may a person allow a structure, a parking lot, or a road to be used, constructed, altered, repaired, sand blasted or demolished without taking such precautions. Such precautions shall include, but not be limited to the following [s. NR 415.04, Wis. Adm. Code]:
 - a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, or construction operations.
 - b. Application of asphalt, oil, water, suitable chemicals, or plastic covering on dirt roads, material stockpiles, and other surfaces which can create airborne dust, provided such application does not create a hydrocarbon, odor, or water pollution problem.
 - c. Installation and use of hoods, fans and air cleaning devices to enclose and vent the areas where dusty materials are handled.
 - d. Covering or securing of materials likely to become airborne while being moved on public roads, railroads, or navigable waters.
 - e. Conduct of agricultural practices such as tilling of land or application of fertilizers in such manner as not to create air pollution.
 - f. The paving or maintenance of roadway areas so as not to create air pollution.
3. No person may cause, allow or permit emission of sulfur or sulfur compounds into the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 417.03, Wis. Adm. Code]
4. No person may cause, allow or permit organic compound emissions into the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. No person may cause, allow or permit organic compounds to be used or handled without using good operating practices and taking reasonable precautions to prevent the spillage, escape or emission of organic compounds, solvents or mixtures. [s. NR 419.03, Wis. Adm. Code]
5. No person may cause, allow or permit the disposal of more than 5.7 liters (1.5 gallons) of any liquid Volatile Organic Compound (VOC) waste, or of any liquid, semisolid or solid waste materials containing more than 5.7 liters (1.5 gallons) of any VOC, in any one day from a facility in a manner that would permit their evaporation into the ambient air during the ozone season. This includes, but is not limited to, the disposal of VOC which must be removed from VOC control devices so as to maintain the control devices at their required operating efficiency. Disposal during the ozone season shall be by methods approved by

- the Department, such as incineration, recovery for reuse, or transfer in closed containers to an acceptable disposal facility, such that the quantity of VOC which evaporates into the ambient air does not exceed 15% (by weight) or 5.7 liters (1.5 gallons) in any one day, whichever is larger. [s. NR 419.04, Wis. Adm. Code]
6. No person may cause, allow or permit emissions of carbon monoxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 426.03, Wis. Adm. Code]
 7. No person may cause, allow or permit emissions into the ambient air of lead or lead compounds which substantially contribute to the exceeding of an air standard or air increment, or which create air pollution. [s. NR 427.025, Wis. Adm. Code]
 8. No person may cause, allow, or permit nitrogen oxides or nitrogen compounds to be emitted to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 428.03, Wis. Adm. Code]
 9. No person may cause, allow or permit emission into the ambient air of any substance or combination of substances in such quantities that an objectionable odor is determined to result unless preventive measures satisfactory to the Department are taken to abate or control such emission. [s. NR 429.03(1), Wis. Adm. Code*]
 10. Open burning is prohibited except as provided in s. NR 429.04, Wis. Adm. Code. [s. NR 429.04, Wis. Adm. Code*]
 11. No person may cause, allow or permit emissions into the ambient air from any direct or portable source in excess of one of the limits specified in ch. NR 431, Wis. Adm. Code. Where the presence of uncombined water is the only reason for failure to meet the requirements of ch. NR 431, Wis. Adm. Code, such failure is not a violation of the chapter. [s. NR 431.03, Wis. Adm. Code]
 12. When the department requires instrumentation to monitor the operation of air pollution control equipment, or to monitor source performance, the instrument shall measure operational variables with the following accuracy: [s. NR 439.055(3), Wis. Adm. Code]
 - a. The temperature monitoring device shall have an accuracy of 0.5% of the temperature being measured in degrees Fahrenheit or $\pm 5^{\circ}\text{F}$ of the temperature being measured, or the equivalent in degrees Celsius (centigrade), whichever is greater.
 - b. The pressure drop monitoring device shall be accurate to within 5% of the pressure drop being measured or within ± 1 inch of water column, whichever is greater.
 - c. The current, voltage, flow or pH monitoring device shall be accurate to within 5% of the specific variable being measured.
 13. All instruments used for measuring source or air pollution control equipment operational variables shall be calibrated yearly or at a frequency based on good engineering practice as established by operational history, whichever is more frequent. [s. NR 439.055(4), Wis. Adm. Code]
 14. No person may cause, allow, or permit emissions into the ambient air of any hazardous substance in such quantity, concentration, or duration as to be injurious to human health, plant or animal life unless the purpose of that emission is for the control of plant or animal life. Hazardous substances include, but are not limited to, hazardous air contaminants listed in Tables 1 to 5 of s. NR 445.04, Wis. Adm. Code. [s. NR 445.03, Wis. Adm. Code*]
 15. Chapter NR 447, Wis. Adm. Code, applies to all air contaminant sources which may emit asbestos, to their owners and operators and to any person whose action causes the emission of asbestos to the ambient air, including demolition and renovation activities. Chapter NR 447, Wis. Adm. Code, establishes emission limitations for asbestos air contaminant sources, establishes procedures to be followed when working with asbestos materials and contains additional reporting and record keeping requirements for owners or operators of asbestos air contaminant sources in order to protect air quality. [ch. NR 447, Wis. Adm. Code]

16. Accidental Release Prevention Requirements

An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, shall comply with the requirements of 40 CFR Part 68, no later than the latest of the following dates:

- a. June 21, 1999;
 - b. Three years after the date on which a regulated substance is first listed under 40 CFR 68.130; or
 - c. The date on which a regulated substance is first present above a threshold quantity in a process.
- [40 CFR 68.10]

D. Reporting Requirements

1. The Department shall be notified of the following events:

Event

- a. Hazardous substance air spill
- b. Malfunction or other unscheduled event which causes or may cause any emission limitation to be exceeded (except certain visible emission limit exceedences - see s. NR 439.03(4), Wis. Adm. Code.)
- c. Deviation from any other condition specified in this permit.

Timing

Immediate call: 1-800-943-0003

Notification by next business day of any such event at the source which is not reported in advance to the Department. Report the cause and duration of the exceedence, the period of time considered necessary for correction, and measures taken to minimize emissions during the period

Notification by next business day identifying the deviation, cause, duration and steps taken to prevent recurrence.

[ss. 292.11(2) and 285.65(9), Wis. Stats., and ss. NR 439.03(4) and NR 445.08, Wis. Adm. Code]

2. The permittee shall report to the Department, in advance, schedules for planned shutdown and startup of air pollution control equipment and the measures to be taken to minimize the down time of the control equipment while the source is operating. Scheduled maintenance or any other scheduled event, including startup, shutdown or soot blowing procedures which have been approved by the Department under s. NR 436.03(2)(b), which causes an emission limit to be exceeded shall also be reported in advance to the Department. Advance reporting pursuant to this permit condition does not relieve any person from the duty to comply with any applicable emission limitations. Emissions in excess of the limits set in chs. NR 400-499, Wis. Adm. Code, may be allowed when the emissions are temporary and due to scheduled maintenance, startup or shutdown of operations carried out in accord with a plan and schedule approved by the Department. [ss. NR 439.03(2)(b) and (6), Wis. Adm. Code]
3. The permittee shall furnish to the Department, within a reasonable time specified by the Department, any information that the Department may request in writing to determine whether cause exists to revise, revoke or suspend this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department copies of records required to be kept pursuant to this permit. [s. NR 407.09(1)(f)5., Wis. Adm. Code]
4. The permittee shall submit the results of monitoring required by the permit to the Department according to the schedule established in Part I of this permit. Any such report shall clearly identify all instances of deviations from permit requirements. All such reports shall be signed by the responsible official for the source. In addition, the responsible official shall certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [s. 285.17(2), Wis. Stats., and s. NR 439.03(1)(b) and (10), Wis. Adm. Code]
5. Any document required under this permit and any document submitted to the Department, including reports, shall contain a certification by a responsible corporate official that meets the requirements of s. NR 407.05(4)(j), Wis. Adm. Code. [ss. NR 439.03(10) and (11), and NR 407.09(4)(a)1., Wis. Adm. Code]

6. Except for information determined to be confidential under s. 285.70(2), Wis. Stats., any information or reports obtained by the Department in the administration of ss. 285.01 to 285.87 and 299.15, Wis. Stats., will be available for public inspection at the offices of the Department. [s. 285.70(1), Wis. Stats.]

E. Right of Entry and Inspection

The permittee shall allow authorized representatives of the Department to enter upon the permittee's premises, to have access to and examine any record relating to emissions or required to be kept, and to make any inspection necessary to ascertain compliance with air pollution control laws and the terms of this permit. The Department may, for the purpose of determining a source's compliance with applicable requirements, sample or monitor at reasonable times production materials or other substances or operational parameters. [ss. 285.13 and 285.19, Wis. Stats., and s. NR 439.05, Wis. Adm. Code]

F. Malfunction Prevention and Abatement Plans

The owner or operator of any direct or portable source which may emit hazardous substances or emits more than 15 pounds in any day or 3 pounds in any hour of any air contaminant for which emission limits have been adopted shall prepare a written malfunction prevention and abatement plan to prevent, detect, and correct malfunctions or equipment failures which may cause any applicable emission limitation to be violated or which may cause air pollution. Any such plan shall be carried out by the owner or operator. The plan shall be updated at least every 5 years. The Department may require the plan to be submitted for review and approval. [s. NR 439.11, Wis. Adm. Code]

G. Emission Control Action Plan

For source(s) covered by this permit which emit 0.25 tons or more per day of any air contaminant for which air standards have been adopted, the permittee shall prepare an emission control action program, consistent with good industrial practice and safe operating procedures, for reducing the emission of air contaminants into the outdoor atmosphere during periods of an air pollution alert, air pollution warning or air pollution emergency declared under s. NR 493.03(2), Wis. Adm. Code. The emission control action program shall be in writing, available on the premises and is subject to review and approval by the Department on request. [s. NR 493.04, Wis. Adm. Code*]

H. Change in Ownership or Control

In the event of a change in ownership or operational control of a source, the permittee shall file a written request for an administrative permit revision in accordance with s. NR 407.11, Wis. Adm. Code. The request should include a written agreement between the current and new owner or operator which sets forth a specific date for transfer of permit responsibility, coverage and liability. If the Department determines that no other change in this permit is necessary, this permit may be revised according to the administrative revision procedures in s. NR 407.11, Wis. Adm. Code. [s. NR 407.11(3)(a), Wis. Adm. Code]

I. Permit Flexibility, Revision, Suspension, and Revocation

1. Changes to the source which are not modifications and changes in permit content are regulated under the permit flexibility provisions of s. 285.60(4m), Wis. Stats., and s. NR 407.025, Wis. Adm. Code, and the permit revision provisions in ss. NR 407.11, NR 407.12, NR 407.13, NR 407.14, and NR 407.16, Wis. Adm. Code.
2. An operation permit may be suspended or revoked, in whole or in part, for cause. [ss. NR 407.09(1)(f)3. and NR 407.15, Wis. Adm. Code.]

J. Construction, Reconstruction, Replacement, Relocation or Modification

1. Unless the replacement is authorized by a permit or is exempt under s. NR 406.04, Wis. Adm. Code, replacement of the source(s) covered by this permit is prohibited. [s. 285.60(1)(a), Wis. Stats.]
2. No person may commence construction, reconstruction, replacement, relocation or modification of a stationary source unless the person has a construction permit for the source or unless the source is exempt from the requirement to obtain a permit under s. 285.60(5), Wis. Stats., or under ch. NR 406, Wis. Adm.

Code. Applications for the construction permit shall be submitted on forms which are available from the Department at its Madison headquarters and district offices. [s. 285.60(1)(a), Wis. Stats.]

Note: The address of the Madison headquarters is: Wisconsin Department of Natural Resources, Bureau of Air Management, P. O. Box 7921, Madison, WI 53707, Attention: Permit Application Forms

3. For new or modified sources for which no construction permit is required, the application for an operation permit shall be filed before the source commences construction or modification. [s. NR 407.04, Wis. Adm. Code]

K. Circumvention

1. The installation or use of any article, machine, equipment, process, or method which conceals an emission which would otherwise constitute a violation of an applicable rule is prohibited unless written approval has been obtained from the Department. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance and the unnecessary separation of an operation into parts to avoid coverage by a rule that applies only to operations larger than a specified size. [s. NR 439.10, Wis. Adm. Code]
2. No one may render inaccurate any monitoring device or method required under ch. NR 439, Wis. Adm. Code, or in this permit. [s. NR 439.03(12), Wis. Adm. Code]

L. Civil/Criminal Liability

1. Nothing in this permit shall be construed to relieve the permit holder from civil and/or criminal penalties under ss. 285.87 and 299.15, Wis. Stats., for violation of the terms or conditions of this permit, or for violation of ss. 285.01 to 285.87, 292.11(2) and 299.15, Wis. Stats., or of any rule or any special order issued under those sections except where the operation permit shield provisions of s. 285.62(9)(b), Wis. Stats., are applicable. [s. 285.62(9)(a), Wis. Stats.]
2. The permittee has the duty to comply with all conditions of the permit. Any noncompliance with this permit constitutes a violation of the Wisconsin statutes, the federal clean air act, or both, and is grounds for enforcement action; for permit suspension, revocation or revision; or, if allowed under s. 285.62(6), Wis. Stats., for denial of a permit renewal application. [ss. NR 407.14, NR 407.15, and NR 407.09(1)(f)1., Wis. Adm. Code, s. 285.60(7), Wis. Stats. and 42 USC 7661a]
3. The following items are provided per s. NR 407.09(1)(d) and (f), Wis. Adm. Code:
 - a. It is not a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this permit. [s. NR 407.09(1)(f)2., Wis. Adm. Code]
 - b. The filing of a request by the permittee for a permit revision or revocation, or the filing of a notification of planned changes under s. NR 407.025, Wis. Adm. Code, or of anticipated noncompliance, does not stay any permit condition. [s. NR 407.09(1)(f)3., Wis. Adm. Code]
 - c. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege, nor does it authorize any injury to private property or any invasion of personal rights. [s. NR 407.09(1)(f)4., Wis. Adm. Code]
 - d. The provisions of this permit are severable. In the event of a successful challenge to any portion of the permit, all other portions of the permit remain valid and effective. [s. NR 407.09(1)(d), Wis. Adm. Code]

M. Recordkeeping Requirements

1. The permittee shall maintain the following records, per s. NR 439.04, Wis. Adm. Code:
 - a. Records of all sampling, testing and monitoring conducted or required under chs. NR 400 to 499 or under this permit. Records of sampling, testing or monitoring shall include the following:
 - 1) The date, monitoring site and time and duration of sampling, testing, monitoring or measurements.

- 2) The dates the analyses were performed.
- 3) The company or entity that performed the analysis.
- 4) The analytical techniques or methods used, including supporting information such as calibration and maintenance records of all original recording charts for continuous monitoring instrumentation including emissions or equipment monitors.
- 5) The results of the analyses.
- 6) The relevant operating conditions that existed at the time of sampling, testing, monitoring or measurement.
- b. Records detailing all malfunctions which cause any applicable emission limitation to be exceeded, including logs to document the implementation of the plan required under s. NR 439.11, Wis. Adm. Code;
- c. Records detailing all activities specified in any compliance schedule approved by the Department under chs. NR 400 to 499, Wis. Adm. Code; and
- d. Any other records relating to the emission of air contaminants which may be requested in writing by the Department.
2. The owner or operator of a source not subject to s. NR 445.05(6), Wis. Adm. Code, shall maintain the following records in writing at the source, as appropriate:
 - a. The hazardous air contaminants in Table 5 of s. NR 445.04 the source is capable of emitting.
 - b. The allowable emissions for each hazardous air contaminant identified in a. above for each emissions unit.
 - c. The methods used to calculate allowable emissions under b. above, including:
 - 1) All calculations which show the dimensional units for all values used.
 - 2) Emission factors used and references to stack tests, mass balance calculations or EPA documents that each emission factor is based on.
 - 3) Information to support exemption claims including fuels used, laboratory status or downwash minimization stack height calculations as appropriate. [s. NR 445.05(4r)(c), Wis. Adm. Code*]
3. Owners and operators of facilities required to file emission inventory reports shall keep accurate and reliable records sufficient to enable verification of the reports by the department. [s. NR 438.03(4), Wis. Adm. Code]
4. Copies of all records and reports required under this permit shall be retained by the permittee for a period of 5 years. [s. NR 439.04(2), Wis. Adm. Code]

N. Compliance Certification

1. The permittee shall submit compliance certifications to the Department, and part 70 sources shall also submit this compliance certification to the United States Environmental Protection Agency. [s. NR 439.03(1)(c) and (9), Wis. Adm. Code]
 - a. The certification shall be submitted according to the schedule established in Part I of the permit. [s. NR 439.03(1)(c), Wis. Adm. Code]
 - b. The certification shall include the following:
 - 1) Identification of each permit term or condition that is the basis of the certification;
 - 2) The compliance status of the source with respect to each term or condition identified in 1);
 - 3) Whether compliance was continuous or intermittent;

- 4) Method(s) used for determining the compliance status, currently and over the previous 12 month period;
 - 5) Compliance status with respect to 40 CFR 68 (Accidental Release Prevention) including registration and submission of the risk management plan, as specified in 40 CFR 68.160 and 68.150, respectively, if applicable.
 - 6) Other information required to determine the compliance status of the source, as specified in this permit. [s. NR 439.03(8), Wis. Adm. Code]
2. Compliance certifications shall be signed by a responsible official of the source. The responsible official shall certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [s. NR 439.03(10), Wis. Adm. Code]
- O. Required Air Emission Inventory Reports**

The permittee shall annually submit to the Department an emission inventory report of annual, actual emissions or throughput information in accordance with ch. NR 438, Wis. Adm. Code. [s. NR 438.03, Wis. Adm. Code]

P. Annual Emission Fees

The permittee shall pay an annual emissions fee to the Department at the rate specified in s. 285.69(2), Wis. Stats. [ss. NR 410.04 and NR 407.09(1)(e), Wis. Adm. Code]

Q. General Provisions for Hazardous Air Pollutant MACT Standards

The general provisions in ch. NR 460, Wis. Adm. Code, apply to any permittee that is affected or becomes affected by a standard promulgated by EPA under section 112 of the act (42 USC 7412). [s. NR 460.01, Wis. Adm. Code]

R. Stratospheric Ozone Protection

1. Federal Requirements. (Call 1-800-296-1996 for information)

- a. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- 1) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to section 82.106.

- 2) The placement of the required warning statement must comply with the requirements pursuant to section 82.108.

- 3) The form of the label bearing the required warning statement must comply with the requirements pursuant to section 82.110.

- 4) No person may modify, remove or interfere with the required warning statement except as described in section 82.112.

- b. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in 40 CFR Part 82, Subpart B:

- 1) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to section 82.156.

- 2) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to section 82.158.

- 3) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to section 82.161.

- 4) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to section 82.166. (The term, "MVAC-like appliance", is defined in section 82.152)
- 5) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to section 82.156.
- 6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to section 82.166.
- c. If the permittee manufactures, transforms, imports or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
- d. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo or system used on passenger buses using HCFC-22 refrigerant.
- e. The permittee may be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program.

[s. 285.65(12), Wis. Stats.]

2. State Requirements (Call 1-608-264-6049 for information).

- a. During the salvaging, dismantling or transporting of refrigeration equipment, no person may knowingly or negligently release ozone-depleting refrigerant to the environment, except for minimal releases that occur as a result of efforts to transfer ozone-depleting refrigerant into storage tanks. [s. 285.59(2r)(a), Wis. Stats.*]
- b. No person may knowingly or negligently release from a storage tank to the environment ozone-depleting refrigerant that was removed during the salvaging, dismantling or transporting of refrigeration equipment, except for minimal releases that occur as a result of efforts to transfer ozone-depleting refrigerant into refrigeration equipment or other storage tanks. [s. 285.59(2r)(am), Wis. Stats.*]
- c. No person may salvage or dismantle any refrigeration equipment unless:
 - 1) That person holds and prominently displays an annual registration of certification obtained from the Department under s. NR 488.04, Wis. Adm. Code;
 - 2) That person uses refrigerant recovery equipment approved by the Department under s. NR 488.07, Wis. Adm. Code, to transfer remaining ozone-depleting refrigerant from each piece of refrigeration equipment into storage tanks; and
 - 3) Individuals who use the approved refrigerant recovery equipment have, or are working under the direct supervision of individuals who have, the qualifications required under s. NR 488.08, Wis. Adm. Code. [s. NR 488.03(3), Wis. Adm. Code*]
- d. Any person who sells, gives or transports refrigeration equipment to a scrap metal processor shall:
 - 1) Transfer ozone-depleting refrigerant from the refrigeration equipment into a storage tank using approved refrigerant recovery equipment or obtain and possess documentation that another person performed the transfer; and
 - 2) Provide documentation to the scrap metal processor that he or she has complied with 1).

Note: Sample forms for the documentation of compliance with 1) are available from the Bureau of Air Management CFC Program.

EXEMPTION: 1) and 2) do not apply to a person who sells, gives or transports refrigeration equipment to a scrap metal processor when that processor has agreed in writing to transfer the ozone-depleting refrigerant into a storage tank using approved refrigerant recovery equipment and that the processor is registered with the Department under s. NR 488.04. [s. NR 488.05, Wis. Adm. Code*]

- e. Any person who transports, for the purposes of salvaging or dismantling, refrigeration equipment that contains ozone-depleting refrigerant shall certify to the Department that person will not knowingly or negligently release ozone-depleting refrigerant to the environment, except for minimal releases that occur as a result of refrigerant recovery efforts. This certification shall be submitted annually, along with a description of the safe transport methods to be used, and the fees required under s. NR 488.11, Wis. Adm. Code. [s. NR 488.10, Wis. Adm. Code*]