

**DRAFT AIR POLLUTION CONTROL CONSTRUCTION PERMIT
DRAFT AIR POLLUTION CONTROL OPERATION PERMIT**

EI FACILITY NO: 632007090

CONSTRUCTION PERMIT NO.: 21-ABC-123
OPERATION PERMIT NO.: 12345678A-F01

TYPE: Construction Permit for Process(es): P01
Operation Permit Action Type: Original Synthetic Minor, Non-Part 70 Operation Permit

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

Name of Source: EXAMPLE
Street Address: 123 Example Drive,
City, County, Wisconsin
Responsible Official, & Title: Jane Doe, CEO

is authorized to construct a biogas non-emergency engine generator and to operate an electric generation facility in conformity with the plans and specifications dated April 5, 2021 and the conditions herein. The authorization to construct, reconstruct, replace and/or modify any process covered by this construction permit is valid for **thirty-six (36) months** from the date of issuance, unless the permit is revoked or suspended. The department may extend the time period to construct, reconstruct, replace or modify for up to 18 additional months for purposes of commencing or completing construction, reconstruction, replacement or modification, on written request upon satisfactory showing that an extension is justified. [ss. 285.60(1) and 285.66, Wis. Stats.; s. NR 406.12, Wis. Adm. Code] The conditions in a construction permit are permanent unless revised through a revision of the construction permit condition, revision of a construction permit, or through the issuance of a new construction permit. [s. 285.66(1), Wis. Stats.] The permit conditions included in air pollution control construction permit 21-ABC-123 are identified by the citation of 21-ABC-123 in square brackets [] at the end of the permit condition.

This operation permit does not expire and remains effective unless revised, suspended or revoked. The Department may revise the permit for cause under s. NR 407.14(1m)(f), Wis. Adm. Code, to establish an expiring term. [Section NR 407.09(1)(b)3., Wis. Adm. Code].

Conditions of the permit marked with an asterisk (*) have been created outside of Wisconsin's federally approved State Implementation Plan (SIP) and are not federally enforceable.

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

Dated at Fitchburg, Wisconsin _____ EXMAPLE

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

By _____ EXAMPLE
Air Management Program Supervisor

Commented [DNR AM1]: All permits include a cover page.

Commented [DNR AM2]: The cover page may list a construction permit number, operation permit number, or both.

Commented [DNR AM3]: The cover page identifies the facility name and address.

Commented [DNR AM4]: The cover page includes a brief description of the source.

Commented [DNR AM5]: For construction permits, the cover pages specifies how long the source has to complete construction.

Commented [DNR AM6]: For operation permits, the cover page specifies the permit expiration date, if applicable.

PREAMBLE TO OPERATION PERMIT

Historical Summary of Permits/Orders Issued to the Facility

Permit/Order/Exemption Number	Issued/Approved	Sources covered and desc. ¹	Status
21-ABC-123	EXAMPLE	P01	Included in 12345678A-F01
12345678A-F01	EXAMPLE	Total facility	Active - Primary Enforcement Document

¹ – Total Facility refers to all existing units at the facility at the time of issuance of the permit listed.

Stack and Process Index:

A. S01: P01 – Biogas and/or natural gas non-emergency engine generator (Siemens), 676 kW, construction authorized by 21-ABC-123

YYY. Construction Permit 21-ABC-123 Requirements

ZZZ. Operating Requirements

Emissions Units, Operations and Activities Listed under s. NR 407.05(4)(c)9.¹

- Maintenance of grounds, equipment, and buildings (lawn care, painting, etc.)
- Boiler, turbine, and HVAC system maintenance
- Pollution control equipment maintenance
- Internal combustion engines used for warehousing and material transport
- Fire control equipment
- Janitorial activities
- Office activities
- Convenience water heating
- Convenience space heating (< 5 million Btu per hour burning gas, liquid, or wood)
- Fuel oil storage tanks (< 10,000 gallons)
- Demineralization and oxygen scavenging of water for boilers
- Purging of natural gas lines
- Sanitary sewer and plumbing venting

Permit Shield - Unless precluded by the administrator of the US EPA under 42 USC 7661c(f), 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 as of the date of issuance of this permit, if the permit includes the applicable emission limitation or the department determines in writing that the emission limitations do not apply by listing them below. [s. 285.62(10)(b), Wis. Stats., s. NR 407.09(5), Wis. Adm. Code]

In acting on the application for this permit, the department determined the following emission limitations do not apply to this stationary source at the time of issuance of this permit:

None

No condition of this permit alters or affects:

1. The authority of the administrator of the EPA under section 303 of the Act (42 USC 7603).
2. The liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance.
3. The applicable requirements of the acid rain program.

¹ The emissions units, operations and activities listed here are those identified in s. NR 407.05(4)(c)9., Wis. Adm. Code that are not otherwise include in Part I of this permit. These units, operations and activities are subject to all applicable requirements including those listed in Part II.

Commented [DNR AM7]: The preamble includes additional information about the source.

Commented [DNR AM8]: The preamble lists the permit history.

Field Code Changed

Commented [DNR AM9]: The preamble lists the emission units covered by the permit.

4. The ability of the administrator of the EPA to obtain information from a source pursuant to section 114 of the Act (USC 7414).
[s. NR 407.09(5)(b), Wis. Adm. Code]

Construction Permit Conditions - The Wisconsin Department of Natural Resources issues Air Pollution Control Operation Permits for sources of air pollution, as required by chapter NR 407, Wis. Adm. Code, and Title V of the Clean Air Act (Act). Operation permits may contain conditions established under the permit programs for new and modified emission units, pursuant to chapters NR 405, 406, and 408, Wis. Adm. Code, and Title I of the Act. The terms or conditions of any construction permit issued pursuant to ch. NR 405, 406 or 408, Wis. Adm. Code are applicable requirements as defined by s. NR 400.02(26)(b), Wis. Adm. Code. This operation permit contains provisions that are consistent with any condition in a previously issued construction permit that is still applicable to the source. The specific conditions in this operation permit that were in previously issued construction permits are identified by referencing the appropriate construction permit number in the square brackets [] at the end of the condition as the origin of the condition. Conditions in this operation permit that contain a construction permit number in square brackets [] do not replace, revise or supersede the original construction permit condition contained in the referenced construction permit. Conditions that are contained in construction permits are permanent unless the conditions are revised through a revision of the construction permit or through the issuance of a new construction permit. Conditions contained in previously issued construction permits that are revised by construction permit revision(s) processed with this operation permit are revised under the authority of s. NR 406.11, Wis. Adm. Code and are identified by referencing the appropriate construction permit revision number in the square brackets [] at the end of the condition.

Commented [DNR AM10]: The preamble also includes explanations about the type of information included in the permit.

Part I - The headings for the columns in the permit are defined below. The origin of and authority for each permit condition are identified in square brackets [] at the end of each condition.

Limitations - This column lists 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 also lists any elected 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 column contains applicable compliance testing, monitoring, reporting and recordkeeping requirements to assure compliance with the associated emission limitations and work practice standards listed in the **Limitations** column. Any requirement to perform compliance emission testing as well as initial and periodic test schedules, if required, are included here. Notwithstanding the listed compliance demonstration methods and the compliance determination requirements in 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 - Applicable recordkeeping and monitoring requirements, their frequency, and reporting requirements are included in this column. 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. Compliance emission test methods and procedures are included in Part II of this permit. Additional or alternate applicable test methods that must be used whenever testing is required are identified in this column. A reference test method is listed in Part II or in this column even if no testing is immediately required.

New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) - Permit condition numbering in NSPS and NESHAP sections of the permit differs from permit condition numbering in other sections of the permit. The permit condition numbers in sections of the permit that contain NSPS and NESHAP requirements are the associated provision numbers from the relevant standard as they appear in the Part and Subpart of Title 40 of the Code of Federal Regulations referenced in the table header. References to provisions of 40 CFR contained within the permit conditions reference permit conditions with the same number as the referenced provision. The primary condition numbers in bold parentheses with a decimal represent the section number of the standard. The number to the left of the decimal is the Part of 40 CFR (e.g. 60 for the NSPS requirements in 40 CFR Part 60, 63 for the NESHAP requirements in 40 CFR Part 63.) The number to the right of the decimal is the section number from the

Subpart identified in the table header. References to “this section” in permit conditions in NSPS and NESHAP sections of the permit refer to the section of the associated Part and Subpart of 40 CFR referenced in the table header and the corresponding primary permit condition number with a decimal in bold parentheses. References to “this subpart” in permit conditions in NSPS and NESHAP sections of the permit refer to the Part and Subpart of 40 CFR referenced in the table header. NSPS and NESHAP requirements are included in the permit under the authority of s. 285.65(13), Wis. Stats.

Part II - This section contains general limitations and standard conditions that all permittees must abide by. These requirements are included in this section with every permit.

An Asterisk () throughout this document denotes legal authority, limitations and conditions which are not federally enforceable [Section NR 407.09(3)(b), Wis. Adm. Code].*

“You”, “your”, “person” and “owner or operator” throughout this permit means the owner or operator of the facility to which this permit was issued where the term is used. [s. NR 460.02(41), Wis. Adm. Code]

SAMPLE

Part I: Source Specific Permit Conditions

A. Stack S01: Process P01 – Biogas and/or natural gas non-emergency engine generator (Siemens), 676 kW, construction authorized by 21-ABC-123		
I. Pollutant: Particulate Matter / PM₁₀ Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
(1) The permittee may not cause, allow or permit the emission of particulate matter to the ambient air in excess of 0.15 pounds per million Btu heat input from any stack. [s. NR 415.06(2)(a), Wis. Adm. Code; 21-ABC-123]	(1) The permittee shall use only treated biogas and/or natural gas as fuel in process P01. [s. 285.65(3), Wis. Stats.; s. NR 407.09(4)(a)1., Wis. Adm. Code; 21-ABC-123]	(1) The permittee shall keep and maintain monthly records of the type of fuel used in process P01. [s. NR 439.04(1)(d), Wis. Adm. Code; 21-ABC-123]

Commented [DNR AM11]: Part I of the permit includes the specific requirements that apply to the source.

Commented [DNR AM12]: Part I is divided into a different section for each emission unit. Sometimes requirements for similar emission units are grouped into one section. Sections are labeled. A., B., etc.

Commented [DNR AM13]: Within each section are three-column tables. Typically, each table houses the requirements for one pollutant. The pollutant tables are labeled 1., 2., etc.

A. Stack S01: Process P01 – Biogas and/or natural gas non-emergency engine generator (Siemens), 676 kW, construction authorized by 21-ABC-123		
2. Pollutant: Visible Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
<p>(1) The permittee may not cause or allow emissions of shade or density greater than number 1 of the Ringlemann chart or 20% opacity, with the exceptions in s. NR 431.05, Wis. Adm. Code.</p> <p>[s. NR 431.05, Wis. Adm. Code; 21-ABC-123]</p>	<p>(1) The permittee shall use only treated biogas and/or natural gas as fuel in process P01.</p> <p>[s. 285.65(3), Wis. Stats.; s. NR 407.09(4)(a)1., Wis. Adm. Code; 21-ABC-123]</p>	<p>(1) The permittee shall keep and maintain monthly records of the type of fuel used in process P01.</p> <p>[s. NR 439.04(1)(d), Wis. Adm. Code; 21-ABC-123]</p>

Commented [DNR AM14]: Column a. lists the emission limits that apply.

Commented [DNR AM15]: Column b. lists what the source must do to demonstrate compliance with the emission limits. Methods of demonstrating compliance may include conducting compliance emission tests, operating control devices, or limiting material usage.

Commented [DNR AM16]: Column c. lists the test methods the source must use when conducting compliance emission tests, the operating parameters the source must monitor, the frequency of monitoring, and the records the source must keep to show that they have been complying with all of the conditions in the permit.

A. Stack S01: Process P01 – Biogas and/or natural gas non-emergency engine generator (Siemens), 676 kW, construction authorized by 21-ABC-123		
3. Pollutant: Sulfur Dioxide Emissions		
a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
(1) The permittee may not cause, allow or permit the emission of SO ₂ to the ambient air in excess of 0.3 pounds per hour. [ss. 285.63(1)(b) and 285.65(3), Wis. Stats.; 21-ABC-123]	(1) The permittee shall use only treated biogas and/or natural gas as fuel in process P01. [s. 285.65(3), Wis. Stats.; s. NR 407.09(4)(a)1., Wis. Adm. Code; 21-ABC-123]	(1) The permittee shall keep and maintain monthly records of the type of fuel used in process P01. [s. NR 439.04(1)(d), Wis. Adm. Code; 21-ABC-123]

Commented [DNR AM17]: At the end of each permit condition there are lists of numbers and letters in square brackets. This information shows which section of the Wisconsin Administrative Code or Wisconsin State Statutes gives DNR the authority to include that condition in an air permit.

Commented [DNR AM18]: Sometimes the permit number for an air pollution control construction permit will be listed within the brackets at the end of a condition. This means that the condition originated in a construction permit and is permanent unless that permit is revised or another construction permit replaces that condition.

A. Stack S01: Process P01 – Biogas and/or natural gas non-emergency engine generator (Siemens), 676 kW (906 hp), construction authorized by 21-ABC-123

4. New Source Performance Standards (NSPS): Stationary Spark Ignition Internal Combustion Engines. [40 CFR Part 60, Subpart JJJJ, as last amended 12/04/2020]

The permit condition numbers in this section of the permit are the associated provision numbers from the relevant standard as they appear in the above referenced Part and Subpart of Title 40 of the Code of Federal Regulations. References to provisions of 40 CFR contained within the permit conditions reference permit conditions with the same number as the referenced provision.

a. Requirements

(60.4230) Applicability

Engine generator P01 is a spark ignition (SI) internal combustion engine (ICE), is manufactured after July 1, 2007, has a maximum engine power greater than 500 hp, and is subject to all applicable provisions of 40 CFR part 60, subpart JJJJ.

[40 CFR 60.4230(a)(4)(i); s. 285.65(13), Wis. Stats.]

(60.4231), (60.4232) [Intentionally left blank]

(60.4233) Emission standards for owners or operators of a stationary SI internal combustion engine

(a)-(d) [Intentionally left blank]

(e) The owner or operator must comply with the emission standards in Table 1 to 40 CFR part 60, subpart JJJJ, for landfill/digester gas engines with a maximum engine power greater than or equal to 500 HP and a manufacture date after July 1, 2010.

Table 1 to Subpart JJJJ of 40 CFR Part 60—NO_x, CO, and VOC Emission Standards for Stationary SI Landfill/Digester Gas Engines

Engine type and fuel	Maximum engine power	Manufacture date	Emission standards ^a					
			g/HP-hr			ppmvd at 15% O ₂		
			NO _x	CO	VOC ^d	NO _x	CO	VOC ^d
Landfill/Digester Gas	HP≥500	7/1/2010	2.0	5.0	1.0	150	610	80

^a Owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O₂.

^d For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

(f)-(h) [Intentionally left blank]

[40 CFR 60.4233(e) and Table 1 to subpart JJJJ of 40 CFR part 60; s. 285.65(13), Wis. Stats.]

(60.4234) Duration of compliance with the emission standards for owners or operators of a stationary SI internal combustion engine

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.

[40 CFR 60.4234; s. 285.65(13), Wis. Stats.]

Commented [DNR AM19]: Some tables in Part I are single column tables and include requirements from federal standards, such as New Source Performance Standards (NSPS), which regulate certain categories of new sources, and National Emission Standards for Hazardous Air Pollutants (NESHAP, which regulate certain categories of sources that emit hazardous air pollutants. The conditions in these sections include language taken directly from the Code of Federal Regulations (CFR).

(Since this is just an example, some of the conditions have been removed from this table to minimize the length of this document.)

<p>A. Stack S01: Process P01 – Biogas and/or natural gas non-emergency engine generator (Siemens), 676 kW (906 hp), construction authorized by 21-ABC-123</p>
<p>5. National Emission Standard for Hazardous Air Pollutants (NESHAP): Stationary Reciprocating Internal Combustion Engines. [40 CFR Part 63, Subpart ZZZZ, as last amended 12/04/2020]</p> <p><i>The permit condition numbers in this section of the permit are the associated provision numbers from the relevant standard as they appear in the above referenced Part and Subpart of Title 40 of the Code of Federal Regulations. References to provisions of 40 CFR contained within the permit conditions reference permit conditions with the same number as the referenced provision.</i></p>
<p>a. Requirements</p>
<p>(63.6585) Applicability You are subject to 40 CFR part 63, subpart ZZZZ, because you own or operate a stationary reciprocating internal combustion engine (RICE) located at an area source of HAP emissions. [40 CFR 63.6585(a), (c); s. 285.65(13), Wis. Stats.]</p> <p>(63.6590) Affected source 40 CFR part 63, subpart ZZZZ, applies to each affected source.</p> <p>(a) Process P01 is a new stationary RICE located at an area source of HAP emissions and is an affected source subject to all applicable requirements in 40 CFR part 63, subpart ZZZZ.</p> <p>(b) <i>[Intentionally left blank]</i></p> <p>(c) <i>Stationary RICE subject to Regulations under 40 CFR Part 60.</i> Process P01 must meet the requirements of 40 CFR part 63, subpart ZZZZ, by meeting the requirements of 40 CFR part 60, subpart JJJJ. No further requirements apply for process P01 under 40 CFR part 63, subpart ZZZZ. [40 CFR 63.6590(a)(2)(iii), (c)(1); s. 285.65(13), Wis. Stats.]</p>

YYY. Construction Permit 21-ABC-123 Requirements	
Condition Type	a. Requirements
1. Construction Authorization	<p>(1)(a) The authorization to construct, reconstruct, replace, or modify under construction permit 21-ABC-123 is valid for 36 months after the date of issuance of this permit unless the permit is revoked or suspended. Approval to construct or modify the source shall become invalid 36 months after the date when this construction permit was issued.</p> <p>(b) The department may extend the time period to construct, reconstruct, replace or modify for up to 18 additional months for purposes of commencing or completing construction, reconstruction, replacement or modification, on written request upon satisfactory showing that an extension is justified.</p> <p>(c) This construction permit authorizes the initial operation of the units covered by the permit to allow testing of the equipment and monitoring of the emissions associated with the equipment. Continued operation of the emissions units after that time is prohibited unless the permittee meets the conditions in I.YYY.4.a.</p> <p>(d) The sources covered by this permit are required to meet all emission limits and conditions contained in the permit at all times, including during the initial operation period.</p> <p>(e) If construction, reconstruction, replacement, or modification is not completed within the term specified in the permit or any extension granted by the department, the applicant shall apply for a new construction permit.</p> <p>(f) Notwithstanding the fact that authorization to construct, reconstruct, replace, or modify a source expires, all conditions in a construction permit are permanent unless the conditions are revised through the revision of the construction permit or through the issuance of a new construction permit.</p> <p>[ss. 285.60(1)(a)2. and 285.66(1), Wis. Stats.; s. NR 406.12, Wis. Adm. Code; 21-ABC-123]</p>
2. Notifications	<p>(1) The permittee shall submit written notification of the following dates to the Department within fifteen days of the event:</p> <p>(a) The date construction commences on any new or modified emission unit(s) authorized by Permit 21-ABC-123.</p> <p>(b) The date new emission unit P01 becomes operational.</p> <p>(d) The notification required under 40 CFR s. 60.7(a)(4), if applicable</p> <p>For purposes of this permit, “operational” shall be defined as the first time of any process related air contaminant is emitted into the ambient air.</p> <p>[s. NR 439.03(1), Wis. Adm. Code, 21-ABC-123]</p> <p>(2) Written notifications shall be submitted to the department electronically by uploading through the permittee’s Web Access Management System (WAMS) ID when possible. Alternatively, a hard copy of the notifications may be submitted to the Department of Natural Resources West Central Region Headquarters, 1300 W. Clairemont Avenue, Eau Claire, WI 54701 or an alternative address provided by the department.</p> <p>[s. NR 439.03(1), Wis. Adm. Code, 21-ABC-123]</p>
3. Completion of Operation Permit Application	<p>(1) The permittee shall update the permit application if any changes occur which are not specified or described in the plans and specifications approved under construction permit 21-ABC-123. The updates shall be made within 60 days of the date of the change.</p> <p>[ss. NR 407.05(9) and NR 439.03(1), Wis. Adm. Code, 21-ABC-123]</p>

Commented [DNR AM20]: The last few tables in Part I list general requirements such as:

- When the source must notify the department about construction projects
- General requirements about ongoing operation
- Submitting ai permit compliance reports to DNR

YYY. Construction Permit 21-ABC-123 Requirements	
Condition Type	a. Requirements
4. Operation Authorization	<p>(1) The emission units authorized in 21-ABC-123 may only operate if both of the following are met:</p> <p>(a) The emission units are constructed and/or modified in accordance with the application as approved by the department, and</p> <p>(b) The construction and/or modification of the emission units is completed prior to expiration of the authority provided by the construction permit 21-ABC-123 to construct, modify, replace and/or reconstruct these emission units.</p> <p>[ss. NR 406.10, and 406.12, Wis. Adm. Code, and ss. 285.65 and 285.66(1), Wis. Stats., 21-ABC-123]</p> <p>(2) The continued operation of the modified and new emission units addressed in this construction permit are prohibited once the authorization to construct expires, unless any required updates have been submitted and the permittee has satisfied the notification requirements of Condition I.YYY.2.²</p> <p>[s. 285.62(8), Wis. Stats., 21-ABC-123]</p>
5. Modified/New Emissions Units	<p>(1) <u>New/Modified Emissions Unit (P01)</u>: The permittee shall operate any emissions unit(s) constructed and/or modified under permit 21-ABC-123 in accordance with the applicable conditions of permit 21-ABC-123 starting on the date the new and/or modified emissions unit(s) becomes operational. For purposes of this permit, “operational” shall be defined as the first time of any process related air contaminant is emitted into the ambient air.</p> <p>[s. 285.65(1), Wis. Stats., 21-ABC-123]</p>
6. Compliance Reports/Records	<p>(1) The permittee shall submit periodic monitoring reports and certification of compliance as required by the permittee’s facility wide operation permit for any modified and/or new emission unit authorized by permit 21-ABC-123 for the period starting when that unit becomes operational. Note that compliance monitoring and reporting requirements and limitations of any unmodified units remain in effect.</p> <p>[s. 285.65(3), Wis. Stats., s. NR 439.03(1)(a), Wis. Stats. 21-ABC-123]</p>
7. Malfunction Prevention and Abatement Plan	<p>(1) The permittee shall update the facility’s Malfunction Prevention and Abatement Plan to include new emission unit P01, including any associated control equipment, in accordance with s. NR 439.11, Wis. Adm. Code and Section F. of Part II of this permit, when each unit becomes operational after construction and/or modification.</p> <p>[s. NR 439.11(1), Wis. Adm. Code, 21-ABC-123]</p>
8. Submittals	<p>(1) All submittals described in this permit, including permit application updates, notifications and compliance emission test results shall:</p> <p>(a) Include the name of the facility, the facility’s address, the construction permit number and a description of the affected emission unit(s);</p> <p>(b) Be made in writing.</p> <p>[ss. NR 439.03(1) and NR 439.04(1)(d), Wis. Adm. Code, 21-ABC-123]</p> <p>(2) Any submittals required in Part I of this permit that specify submittal to the Administrator, US EPA or the permitting authority shall also be submitted to the department.</p>

Commented [DNR AM20]: The last few tables in Part I list general requirements such as:

- When the source must notify the department about construction projects
- General requirements about ongoing operation
- Submitting ai permit compliance reports to DNR

² To maintain the operation permit application shield.

YYY. Construction Permit 21-ABC-123 Requirements																					
Condition Type	a. Requirements																				
	<p>[s. 285.65(3), Wis. Stats., s. NR 439.03(1)(a), Wis. Adm. Code, 21-ABC-123]</p> <p>(3) Submittals shall be uploaded through the permittee’s Web Access Management System (WAMS) ID. Alternatively, the permittee may submit a hard copy of any submittals to the West Central Region Headquarters, 1300 W. Clairemont Avenue, Eau Claire, WI 54701 or an alternative address provided by the department.</p> <p>[s. 285.65(3), Wis. Stats., s. NR 439.03(1)(a), Wis. Adm. Code, 21-ABC-123]</p>																				
10. Stack Parameters	<p>(1) Each stack for processes constructed and/or modified under permit 21-ABC-123 shall meet the respective requirements identified in Table 1 below.</p> <p>(a) The height of each stack above ground level shall be at least the height listed in column (a) of the table below;</p> <p>(b) The stacks identified with a “No” in column (b) of the table below may not be equipped with a rainhat or other device which impedes the upward flow of exhaust gas. Stacks with a “Yes” in column (b) of the table below may be equipped with a stack obstruction.</p> <p>(c) The stacks identified with a “No” in column (c) of the table below shall exhaust upward (within 10 degrees of vertical). Stacks with a “Yes” in column (c) of the table below may have a non-upward exhaust.</p> <p>[ss. 285.63(1)(b) and 285.65(3), Wis. Stats., 21-ABC-123]</p> <p>(2) Compliance Demonstration: The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters.</p> <p>[s. NR 439.04(1)(d), Wis. Adm. Code, 21-ABC-123]</p> <table border="1"> <thead> <tr> <th colspan="4">Table 1 – Stack Parameter Requirements</th> </tr> <tr> <th></th> <th>(a)</th> <th>(b)</th> <th>(c)</th> </tr> <tr> <th></th> <th>Stack Height (feet)</th> <th>Obstruction Allowed? (yes/no)</th> <th>Non-vertical Flow Allowed? (yes/no)</th> </tr> </thead> <tbody> <tr> <td>Stack ID</td> <td></td> <td></td> <td></td> </tr> <tr> <td>S01</td> <td>25</td> <td>No</td> <td>No</td> </tr> </tbody> </table>	Table 1 – Stack Parameter Requirements					(a)	(b)	(c)		Stack Height (feet)	Obstruction Allowed? (yes/no)	Non-vertical Flow Allowed? (yes/no)	Stack ID				S01	25	No	No
Table 1 – Stack Parameter Requirements																					
	(a)	(b)	(c)																		
	Stack Height (feet)	Obstruction Allowed? (yes/no)	Non-vertical Flow Allowed? (yes/no)																		
Stack ID																					
S01	25	No	No																		

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ZZZ. Operating Requirements	
Condition Type	a. Requirements
1. Compliance Reports/Records	<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 of Natural Resources uploaded through the permittee’s Web Access Management System (WAMS) ID. Alternatively, the permittee may submit a hard copy of the monitoring report to the West Central Region Headquarters, 1300 W. Clairemont Avenue, Eau Claire, WI 54701 or an alternative address provided by the department.</p> <p>(a) The time periods to be addressed by the report are the period from January 1 through December 31.</p> <p>(b) The report shall be submitted to the Department by March 1 after the reporting period.</p> <p>(c) All deviations and violations of applicable requirements shall be clearly identified in the report.</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 Part II, Section D of the operation permit and section NR 439.03(1)(b) Wisconsin Administrative Code.</p> <p>[ss. NR 407.09(1)(c)3. and 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 uploaded through the permittee’s Web Access Management System (WAMS) ID. Alternatively, the permittee may submit a hard copy of the certification of compliance to the West Central Region Headquarters, 1300 W. Clairemont Avenue, Eau Claire, WI 54701 or an alternative address provided by the Department.</p> <p>(a) The time period to be addressed by the report is January 1 to December 31 of the preceding year.</p> <p>(b) The report shall be submitted to the Wisconsin Department of Natural Resources by March 1 after the 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>[ss. NR 407.09(4)(a)3. and NR 439.03(1)(c), Wis. Adm. Code]</p>
2. Compliance Emission Testing	<p>(1) Any compliance emission/performance testing required for the emissions unit(s) covered by this permit shall be conducted in accordance with Section U of Part II of this permit and ss. NR 439.06, NR 439.07 and NR 439.075, Wis. Adm. Code, unless otherwise indicated in Part I of this permit.</p> <p>[ss. NR 439.06, NR 439.07, NR 439.075 and NR 484.04, Wis. Adm. Code]</p> <p>(2) For compliance emission testing required under ss. 285.11(7), 285.17(2), 285.65(3), 285.65(10), Wis. Stats. and/or ss. NR 407.09(1), NR 407.09(4), NR 439.075(1)(b) or NR 439.075(2)(a) or (c), Wis. Adm. Code, the permit holder may request, in writing, and the department may approve, in writing, an extension of time to conduct a scheduled test or a waiver of a scheduled test in accordance with Section U. of Part II of this permit, unless approval of a waiver or extension by the department is not allowed under an applicable requirement.</p> <p>[ss. NR 407.09(4)(a)1. and NR 439.075(4), Wis. Adm. Code, s. 285.65(3), Wis. Stats.]</p>

ZZZ. Operating Requirements																					
Condition Type	a. Requirements																				
	<p>(3) Test notifications, test plans, test plan modifications and test reports, shall be submitted in accordance with Section U. of Part II of this permit and ss. NR 439.07 and NR 439.075, Wis. Adm. Code, unless otherwise indicated in Part I of this permit. For more details refer to the “Stack Testing Electronic Submittal Guidebook” on the DNR website. [ss. NR 439.07 and NR 439.075, Wis. Adm. Code]</p>																				
3. Stack Parameters	<p>(1) Each stack listed shall meet the respective requirements identified in Table 1 below.</p> <p>(a) The height of each stack above ground level shall be at least the height listed in column (a) of the table below;</p> <p>(b) The stacks identified with a “No” in column (b) of the table below may not be equipped with a rainhat or other device which impedes the upward flow of exhaust gas. Stacks with a “Yes” in column (b) of the table below may be equipped with a stack obstruction.</p> <p>(c) The stacks identified with a “No” in column (c) of the table below shall exhaust upward (within 10 degrees of vertical). Stacks with a “Yes” in column (c) of the table below may have a non-upward exhaust. [ss. 285.63(1)(b) and 285.65(3), Wis. Stats., 21-ABC-123]</p> <p>(2) Compliance Demonstration: The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code, 21-ABC-123]</p> <table border="1"> <thead> <tr> <th colspan="4">Table 1 – Stack Parameter Requirements</th> </tr> <tr> <th></th> <th>(a)</th> <th>(b)</th> <th>(c)</th> </tr> <tr> <th></th> <th>Stack Height (feet)</th> <th>Obstruction Allowed? (yes/no)</th> <th>Non-vertical Flow Allowed? (yes/no)</th> </tr> </thead> <tbody> <tr> <td>Stack ID</td> <td></td> <td></td> <td></td> </tr> <tr> <td>S01</td> <td>25</td> <td>No</td> <td>No</td> </tr> </tbody> </table>	Table 1 – Stack Parameter Requirements					(a)	(b)	(c)		Stack Height (feet)	Obstruction Allowed? (yes/no)	Non-vertical Flow Allowed? (yes/no)	Stack ID				S01	25	No	No
Table 1 – Stack Parameter Requirements																					
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Stack ID																					
S01	25	No	No																		
4. Submittals	<p>(1) Any submittals required in Part I of this permit that specify submittal to the Administrator, US EPA or the permitting authority shall also be submitted to the department. Submittals shall be uploaded through the permittee’s Web Access Management System (WAMS) ID. Alternatively, the permittee may submit a hard copy of any submittals to the West Central Region Headquarters, 1300 W. Clairemont Avenue, Eau Claire, WI 54701 or an alternative address provided by the department. [s. 285.65(3), Wis. Stats., ss. NR 407.09(1)(c) and NR 439.03(1)(a), 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 all Parts 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), Wis. Adm. Code, 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.

C.1. Applicable to Insignificant Emissions Units.

The following general emission limitations may apply to one or more of the insignificant emission units identified in the preamble of the operation permit. It is the permittee's responsibility to comply with these requirements, if they do apply. Insignificant emission units typically are associated with inconsequential environmental impacts and present little potential for violations of these generally applicable requirements. If there were no observed, documented or known instances of noncompliance, certification of compliance is appropriate. Testing or monitoring to assure compliance is not required by the operation permit.

- C.1.a. Section NR 415.05, Wis. Adm. Code - Particulate matter emission limits for processes;
- C.1.b. Section NR 415.06, Wis. Adm. Code - Particulate matter emission limits for fuel burning installations;
- C.1.c. Section NR 415.07, Wis. Adm. Code - Particulate matter emission limits for incinerators;
- C.1.d. Section NR 423.03, Wis. Adm. Code - Solvent metal cleaning;
- C.1.e. Section NR 485.05, Wis. Adm. Code - Visible emission limits for motor vehicles, internal combustion engines and mobile sources; and
- C.1.f. Section NR 485.055, Wis. Adm. Code - Particulate emission limit for gasoline and diesel internal combustion engines.

C.2. Applicable to Significant and Insignificant Emissions Units.

The following general emission limitations may apply to both significant and insignificant emission units. It is the permittee's responsibility to comply with these requirements, if they apply. Testing or monitoring to assure compliance with these general emission limits is not required by the operation permit.

For each significant emission unit, if a more specific emission limit is included in the permit for any of the pollutants listed below, then compliance with that more specific limit will constitute compliance with the general emission limit.

For insignificant emission units, if there were no observed, documented or known instances of non-compliance, certification of compliance is appropriate.

- C.2.a. 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]
- C.2.b. 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]:
 - C.2.b.(1) Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, or construction operations. [s. NR 415.04(1)(a), Wis. Adm. Code]
 - C.2.b.(2) 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. [s. NR 415.04(1)(b), Wis. Adm. Code]
 - C.2.b.(3) Installation and use of hoods, fans and air cleaning devices to enclose and vent the areas where dusty materials are handled. [s. NR 415.04(1)(c), Wis. Adm. Code]
 - C.2.b.(4) Covering or securing of materials likely to become airborne while being moved on public roads, railroads, or navigable waters. [s. NR 415.04(1)(d), Wis. Adm. Code]
 - C.2.b.(5) Conduct of agricultural practices such as tilling of land or application of fertilizers in such manner as not to create air pollution. [s. NR 415.04(1)(e), Wis. Adm. Code]
 - C.2.b.(6) The paving or maintenance of roadway areas so as not to create air pollution. [s. NR 415.04(1)(f), Wis. Adm. Code]
- C.2.c. 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]
- C.2.d. 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]
- C.2.e. 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

Commented [DNR AM21]: Part II includes general requirements applicable to all sources. This is a standard section included in all air pollution control permits.

Some permits include additional parts. Usually, additional parts include lengthy and complex federal requirements or site-specific operating plans.

- one day, whichever is larger. [s. NR 419.04, Wis. Adm. Code]
- C.2.f. 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].
- C.2.g. 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]
- C.2.h. 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]
- C.2.i. 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 *]
- C.2.j. Open burning is prohibited except as provided in s. NR 429.04, Wis. Adm. Code. [s. NR 429.04, Wis. Adm. Code *]
- C.2.k. [Note: Under the Wisconsin Recycling Law (Wisconsin Act 335), small businesses, commercial enterprises, and industries may not use burn barrels or engage in other kinds of open burning and may not be granted burning permits by municipalities. However, the prohibition on burn barrels does not apply to small businesses in which the owners reside at the same location and cannot separate their business waste from their household waste.]
- C.2.l. No person may cause, allow or permit emissions into the ambient air from any direct or portable source in excess of one of the visible emission 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]
- C.2.m. 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 minimum accuracy: [ss. NR 439.055(3), Wis. Adm. Code]
- C.2.n. 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. [s. NR 439.055(3)(a), Wis. Adm. Code]
- C.2.o. 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. [s. NR 439.055(3)(b), Wis. Adm. Code]
- C.2.p. The current, voltage, flow or pH monitoring device shall be accurate to within 5% of the specific variable being measured.
- C.2.q. At a minimum, 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. [ss. NR 439.055(4), Wis. Adm. Code]
- C.2.r. 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 A to C of s. NR 445.07, Wis. Adm. Code. [s. NR 445.03, Wis. Adm. Code *]
- C.2.s. 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]
- C.2.t. Owners and operators of a stationary source that manufactures, uses, stores, or otherwise handles more than a threshold quantity of a listed regulated substance, as determined under 40 CFR 68.115, must implement the Accidental Release Prevention Requirements of 40 CFR Part 68, no later than the latest of the following dates:
- C.2.t.(1) June 21, 1999;
- C.2.t.(2) Three years after the date on which a regulated substance is first listed under 40 CFR 68.130; or
- C.2.t.(3) The date on which a regulated substance is first present above a threshold quantity in a process.
[40 CFR Part 68.10, s. 285.65(13), Wis. Stats.]
- C.2.u. No person may cause, allow or permit emissions of mercury in such quantity and duration as to cause the ambient air concentration to exceed 1 mg/m^3 , averaged over a 30-day period. [s. NR 446.03(1), Wis. Adm. Code]

D. Reporting Requirements.

D.1. The Department shall be notified of the events in Table D1.:

Table D1.

Event	Timing
D.1.a. Hazardous substance air spill.	Immediate call: 1-800-943-0003
D.1.b. Malfunction or other unscheduled event which causes or may cause any emission limitation to be exceeded (except certain visible emissions limit exceedances detected by a continuous emission monitor, see s. NR 439.03(4)(a)2., Wis. Adm. Code.).	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 exceedance, the period of time considered necessary for correction, and measures taken to minimize emissions during the period or will be

Table D1.

Event	Timing
	taken to prevent future deviations.
D.1.c. Deviation from any other condition specified in this permit.	Notification by next business day identifying the deviation, cause, duration and steps taken to prevent recurrence.

[ss. 285.65(10) and 292.11(2), Wis. Stats., and s. NR 439.03(4) and NR 445.16, Wis. Adm. Code]

- D.2. Persons possessing or controlling a hazardous substance shall immediately notify the Department of any hazardous emission not in conformity with a permit or allowed by the Department under chs. NR 400 to 499, Wis. Adm. Code. Notice shall be given as required by s. 292.11, Stats., and ch.706, Wis. Adm. Code.
- D.3. 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), Wis. Adm. Code 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. [s. NR 436.03(2)(b) and NR 439.03(6), Wis. Adm. Code]
- D.4. 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 the operation 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]
- D.5. The permittee shall submit the results of monitoring required by the permit to the Department according to the schedule established in the 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. [s. 285.17(2), Wis. Stats., and s. NR 439.03(1)(b), Wis. Adm. Code]
- D.6. Each permit reporting required under s. NR 439.03, Wis. Adm. Code, shall be certified by a responsible official as to its truth, accuracy and completeness. This certification and any other certification required under ch. NR 439, Wis. Adm. Code shall state 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]
- D.7. Except for information determined to be confidential under s. 285.70(2), Wis. Stats., or s. NR 2.19, Wis. Adm. Code, 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., s. NR 2.19, Wis. Adm. Code]
- D.8. All certifications made under s. NR 439.03, Wis. Adm. Code, and all material statements and representations made in any report or

notice required by the operation permit shall be truthful. [s. NR 439.03(11), Wis. Adm. Code]

- D.9. Any document required under the operation permit and submitted to the Department, including reports, shall contain a certification by a responsible official that meets the requirements of s. NR 407.05(4)(j), Wis. Adm. Code. [s. NR 407.09(4)(a)1., Wis. Adm. Code]
- D.10. Copies of all records and reports required under this permit shall be retained by the permittee for a period of 5 years except for records required to be maintained or reports required to be submitted under ss. NR 405.16(3) or NR 408.10(5), Wis. Adm. Code. Records and reports required under s. NR 405.16(3) or NR 408.10(5), Wis. Adm. Code, shall be maintained for a minimum of 10 years. [s. NR 439.04(2), Wis. Adm. Code]

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 and shall include the items listed in s. NR 439.11(1), Wis. Adm. Code. The Department may require the plan to be submitted for review and approval. All air pollution control equipment shall be operated and maintained in conformance with good engineering practices to minimize the possibility for the exceedance of any emissions limitations. [s. NR 439.11, Wis. Adm. Code]

Note: For this condition, 'source' refers to an individual emissions unit.

G. Emission Control Action Plan.

Any person responsible for the operation of a direct source which emits 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 designed to reduce or eliminate emissions of air contaminants into the outdoor atmosphere in accordance with the requirements set forth in Tables 2 to 6 of ch. NR 493, Wis. Adm. Code. [s. NR 493.04, Wis. Adm. Code.]

Note: For this condition, 'direct source' refers to an entire facility.

H. Change in Ownership or Control.

In the event of a change in ownership or operational control of a source, the permittee shall notify the Department in writing. The notification 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. [s. 285.60(2)(a), Wis. Stats., and s. NR 407.11(1)(d), Wis. Adm. Code.]

I. Permit Flexibility, Revision, Suspension, and Revocation.

- I.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(4), Wis. Stats., and s. NR 407.025, Wis. Adm. Code, and the operation permit revision provisions in ss. NR 407.11, NR 407.12, NR 407.13, NR 407.14, and NR 407.16, Wis. Adm. Code.
- I.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.]
- I.3. A construction permit may be suspended, revoked or revised, in whole or in part, for cause. [s. NR 406.11, Wis. Adm. Code]

J. Construction, Reconstruction, Replacement, Relocation or Modification.

- J.1. Unless the replacement is authorized by a construction 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.]
- J.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, Department Regional Headquarters and Service Center Offices or online. [s. 285.60(1)(a), Wis. Stats., NR 406.03(1m)(a), Wis. Adm. Code]

Note: The address of the Madison headquarters is: Wisconsin Department of Natural Resources, Bureau of Air Management, PO Box 7921, Madison, WI 53707-7921, Attention: Construction permits. The internet web address is: <http://dnr.wi.gov/topic/AirPermits/Forms.html>.

- J.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(1)(b), Wis. Adm. Code]

K. Circumvention.

- K.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]

- K.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]
- K.3. No person may knowingly falsify, tamper with, render inaccurate or fail to install any monitoring device or method required to be maintained or followed under the Clean Air Act. [Clean Air Act s. 113(c)(2)(C); 42 USC 7413(c)(2)(C), s. 285.65(13), Wis. Stats.]

L. Civil/Criminal Liability.

- L.1. Any owner or operator who fails to construct a stationary source in accordance with the application as approved by the Department; any owner or operator who fails to construct and operate a stationary source in accordance with conditions imposed by the Department under s. 285.65, Wis. Stats.; any owner or operator who modifies a stationary source in violation of conditions imposed by the Department under s. 285.65, Wis. Stats.; or any owner or operator who commences construction or modification of a stationary source without applying for and receiving a permit as required under chapters NR 405, NR 406 or NR 408, Wis. Adm. Code, shall be considered in violation of s. 285.60, Wis. Stats. [s. NR 406.10, Wis. Adm. Code]
- L.2. Nothing in the operation 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(10)(b), Wis. Stats., are applicable. [s. 285.62(10)(b), Wis. Stats.]
- L.3. The permittee has the duty to comply with all applicable conditions in chs. NR 400-499, air quality standards of ch. NR 404, control strategies of all local, state and federal regulations which are part of the state implementation plan and applicable limits in the permit. [s. NR 406.13, Wis. Adm. Code, s. 285.60(7), Wis. Stats., s. 285.65(13), Wis. Stats.]
- L.4. 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 an operation permit renewal application. [s. 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, s. 285.65(13), Wis. Stats.]
- L.5. The following items are provided per s. NR 407.09(1)(d) and (f), Wis. Adm. Code:
 - L.5.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]
 - L.5.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]

- L.5.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]
- L.5.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.

- M.1. The permittee shall maintain the following records, per s. NR 439.04(1), Wis. Adm. Code:
 - M.1.a. Records of all sampling, testing and monitoring conducted or required under chs. NR 400 to 499, Wis. Adm. Code, or under this permit. Records of sampling, testing or monitoring shall include the following [s. NR 439.04(1)(a), Wis. Adm. Code]:
 - M.1.a.(1) The date, monitoring site and time and duration of sampling, testing, monitoring or measurements. [s. NR 439.04(1)(a)(1), Wis. Adm. Code]
 - M.1.a.(2) The dates the analyses were performed. [s. NR 439.04(1)(a)(2), Wis. Adm. Code]
 - M.1.a.(3) The company or entity that performed the analysis. [s. NR 439.04(1)(a)(3), Wis. Adm. Code]
 - M.1.a.(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. [s. NR 439.04(1)(a)(4), Wis. Adm. Code]
 - M.1.a.(5) The results of the analyses. [s. NR 439.04(1)(a)(5), Wis. Adm. Code]
 - M.1.a.(6) The relevant operating conditions that existed at the time of sampling, testing, monitoring or measurement. [s. NR 439.04(1)(a)(6), Wis. Adm. Code]
 - M.1.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. [s. NR 439.04(1)(b), Wis. Adm. Code];
 - M.1.c. Records detailing all activities specified in any compliance schedule approved by the Department under chs. NR 400 to 499, Wis. Adm. Code. [s. NR 439.04(1)(c), Wis. Adm. Code]; and
 - M.1.d. Any other records relating to the emission of air contaminants which may be requested in writing by the Department. [s. NR 439.04(1)(d), Wis. Adm. Code];
- M.2. The owner or operator of a source constructed or last modified prior to July 1, 2004, with non-exempt, potential to emit emissions of a hazardous air contaminant less than or equal to the applicable threshold in column (c), (d), (e), or (f) of Table A, B or C of s. NR 445.07, Wis. Adm. Code, shall maintain records in accordance with s. NR 439.04(1) and (2), Wis. Adm. Code, starting no later than June 30, 2007. [s. NR 445.08(6)(b), Wis. Adm. Code *]

M.2.a. In addition to meeting the recordkeeping requirements of s. NR 439.04(1) and (2), Wis. Adm. Code, an owner or operator of any compression ignition internal combustion engine for which s. NR 445.09, Wis. Adm. Code applies shall: [s. NR 445.09(6), Wis. Adm. Code]

- M.2.a.(1) Keep records of maintenance performed on any particulate matter emission control device used to comply with s. NR 445.09(3), Wis. Adm. Code. [s. NR 445.09(6)(a), Wis. Adm. Code]
- M.2.a.(2) For any engine that stays or that is intended to stay in a single location for any 12 consecutive month period, keep the following records; [s. NR 445.09(6)(b), Wis. Adm. Code]:
 - M.2.a.(2)1. The amount fuel oil combusted on a monthly basis for any engine not using a certified control device. [s. NR 445.09(6)(b)1., Wis. Adm. Code]
 - M.2.a.(2)2. The power rating and days of operation of any CI engine used to substitute power under s. NR 445.09(1)(d), Wis. Adm. Code. [s. NR 445.09(6)(b)2., Wis. Adm. Code]; and
 - M.2.a.(2)3. The cost of rebuilding any CI engine on a monthly basis. [s. NR 445.09(6)3., Wis. Adm. Code]

M.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]

M.4. Copies of all records and reports required under this permit shall be retained by the permittee for a period of 5 years or for such other period as may be specified by the Department. [s. NR 439.04(2), Wis. Adm. Code]

M.5. Source obligation for Prevention of Significant Deterioration includes project records demonstrating the calculated difference between projected actual emissions and baseline actual emissions does not exceed the level that is considered significant for the air contaminant. Before beginning actual construction of a project, the owner or operator shall meet the record requirements and make available those records for the Department or general public upon request. [s. NR 405.16(3) and (4), Wis. Adm. Code]

M.6. Source obligation for Major Source Nonattainment Area Construction Permits includes project records demonstrating the calculated difference between projected actual emissions and baseline actual emissions does not exceed the level that is considered significant for the air contaminant. Before beginning actual construction of a project, the owner or operator shall meet the record requirements and make available those records for the Department or general public upon request. [s. NR 408.10(5) and (6), Wis. Adm. Code]

M.7. Except for information determined to be confidential under s. 285.70(2), Wis. Stats. or s. NR 2.19, Wis. Adm. Code, 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., s. 2.19, Wis. Adm. Code]

N. Compliance Certification.

- N.1. The permittee shall submit operation compliance certifications to the Department. [s. NR 439.03 (1)(c) and (9), Wis. Adm. Code]
- N.2. The certification shall be submitted according to the schedule established in the operation permit. [s. NR 439.03(1)(c), Wis. Adm. Code]

- N.3. The certification shall include the following information: [s. NR 439.03(8), Wis. Adm. Code]:
 - N.3.a. Identification of each permit term or condition that is the basis of the certification. [s. NR 439.04(8)(a), Wis. Adm. Code];
 - N.3.b. The compliance status of the source with respect to each term or condition identified in N.3.a. [s. NR 439.04(8)(b), Wis. Adm. Code];
 - N.3.c. Information on whether compliance was continuous or intermittent. [s. NR 439.04(8)(c), Wis. Adm. Code];
 - N.3.d. The method(s) used for determining the compliance status, currently and over the previous 12 month period. [s. NR 439.04(8)(d), Wis. Adm. Code];
 - N.3.e. 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; and
 - N.3.f. Other information the Department may require, as specified in the operation permit, to determine the compliance status of the source. [s. NR 439.03(8)(e), 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 fee to the Department at the rate specified in s. 285.69(2), (2e) and (2m), Wis. Stats. [s. NR 410.04, Wis. Adm. Code]

Q. General Provisions for National Emission Standards for Hazardous Air Pollutants (NESHAP) and New Source Performance Standard (NSPS).

- Q.1. The general provisions in 40 CFR Part 63, Subpart A 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), as explicitly stated in the relevant 40 CFR Part 63 standard. The general provisions in 40 CFR Part 63, Subpart A do not apply to regulations promulgated by EPA under section 112(r) of the act, unless otherwise specified in those regulations. [s. 285.65(13), Wis. Stats., 40 CFR s. 63.1(a)(4)]
- Q.2. The general provisions in 40 CFR Part 60, Subpart A apply to any permittee that is affected or becomes affected by a standard promulgated by EPA under section 111 of the act (42 USC 7411). [s. 285.65(13), Wis. Stats., 40 CFR ss. 60.1(a) and (b)]

R. Stratospheric Ozone Protection.

- R.1. State Requirements. (Call 1-608-264-6049 for information)
 - R.1.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. NR 488.03(1), Wis. Adm. Code *]
 - R.1.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. NR 488.03(2), Wis. Adm. Code *]

- R.1.c. No person may salvage or dismantle any refrigeration equipment unless [s. NR 488.03(3), Wis. Adm. Code]:
 - R.1.c.(1) That person holds and prominently displays an annual registration of certification obtained from the Department under s. NR 488.04, Wis. Adm. Code. [s. NR 488.03(3)(a), Wis. Adm. Code *];
 - R.1.c.(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[s. NR 488.03(3)(b), Wis. Adm. Code]; and
 - R.1.c.(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)(c), Wis. Adm. Code *]
- R.1.d. Any person who sells, gives or transports refrigeration equipment to a scrap metal processor shall do the following: [s. NR 488.05(1), Wis. Adm. Code *]
 - R.1.d.(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. [s. NR 488.05(1)(a), Wis. Adm. Code*]; and
 - R.1.d.(2) Provide documentation to the scrap metal processor that he or she has complied with R.1.d.(1). [s. NR 488.05(1)(b), Wis. Adm. Code *]

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

Exemption: R.1.d does 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, Wis. Adm. Code. [s. NR 488.05, Wis. Adm. Code*]

- R.1.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(1), Wis. Adm. Code *]

S. Payment of Construction Permit Fees.

Any person who obtains a construction permit shall pay the application fee within thirty days of the date of the billing statement. [s. NR 410.03(4), Wis. Adm. Code]

T. Credible Evidence.

Notwithstanding the compliance determination methods which the owner or operator of a source is authorized to use under this permit, any relevant information or appropriate method may be used to determine a source's compliance with applicable emission limitations. [s. NR 439.06, Wis. Adm. Code, 42 USC 7413(e), s. 285.65(13), Wis. Stats.]

U. Compliance Testing Requirements.

U.1. Unless the Department requires or approves the performance of a test at less than capacity, all compliance emission tests shall be performed with the equipment operating at capacity or as close to capacity as practicable. [s. NR 439.07(1), Wis. Adm. Code]

U.2. The owner or operator of the source tested shall submit 2 copies of the emission test report to the Department within 60 days after completion of a compliance emission test. If samples were collected by the department, the test report shall be submitted within 30 days after the results from the test samples have been reported to the source owner or operator by the department. If requested, the department may grant an extension of up to 30 days for test report submittal. The emission test report shall include, but need not be limited to the information listed in s. NR 439.07(9)(a)-(m), Wis. Adm. Code. The emission test report shall be submitted to the Department of Natural Resources electronically by uploading through the permittee's Web Access management System (WAMS) ID. Alternatively, the emission test report may be submitted to the address specified in Part I of this permit or an alternative address provided by the facility's assigned compliance inspector. [s. NR 439.07(9), Wis. Adm. Code]

U.3. Unless more advance notice is required by an applicable requirement, the Department shall be notified in writing at least 20 business days in advance of a compliance emission test, including initial certification tests and relative accuracy tests performed under s. NR 439.09, Wis. Adm. Code, to provide the Department an opportunity to have a representative present to witness the testing procedures. The notice shall provide a test plan which includes, but need not be limited to, the information listed in s. NR 439.07(2)(a)-(f), Wis. Adm. Code. The notification and test plan shall be submitted to the Wisconsin Department of Natural Resources electronically by uploading through the permittee's Web Access management System (WAMS) ID. Alternatively, the notification and test plan may be submitted to the address specified in Part I of this permit or an alternative address provided by the facility's assigned compliance inspector. The source owner or operator shall notify the department of any modification to the test plan at least 5 business days prior to the test. In the event the owner or operator is unable to conduct the compliance emission test on the date specified in the test plan, due to unforeseeable circumstances beyond the owner or operator's control, the owner or operator shall notify the department at least 5 business days prior to the scheduled compliance emission test date and specify the date when the test is rescheduled. [ss. NR 439.07(2) and (4), Wis. Adm. Code]

U.4. The following exceptions apply to testing required by this permit under ss. 285.11(7), 285.17(2), 285.65(3), 285.65(10), Wis. Stats. and/or ss. NR 407.09(1), NR 407.09(4), NR 439.075(1)(b) or NR 439.075(2)(a) or (c), Wis. Adm. Code:

U.4.a. The department may grant a waiver of a scheduled test if any of the following applies:

U.4.a.(1) The direct stationary source associated with the emission point subject to the testing requirement will be ceasing operation within one year of a scheduled test.

U.4.a.(2) The most recently completed test results from a test conducted according to the methods and procedures specified in s. NR 439.07, Wis. Adm. Code for the direct stationary source demonstrate that the emissions of the air contaminant for which compliance emission testing is required under this section are 50% or less of the applicable emission limitation.

U.4.a.(3) The direct stationary source associated with the emission point subject to the testing requirement has not operated more than 360 hours in the previous 12 month period prior to the scheduled test date.

U.4.a.(4) The most recently completed test, conducted according to the methods and procedures specified in s. NR 439.07, Wis. Adm. Code, was conducted less than 12 months prior to the date that testing would be required under s. NR 439.075(3)(b), Wis. Adm. Code.

U.4.b. The department may grant an extension of up to 180 days for compliance emission testing if the owner or operate of a direct stationary source requests an extension, in writing, and can demonstrate that a representative emissions test cannot be performed within the time frames specified in this permit and/or s. NR 439.075(3)(b), Wis. Adm. Code.

U.4.c. All requests for waivers under condition U.4. shall be submitted in writing for department review and approval at least 60 days prior to the required test date.

[ss. NR 407.09(4)(a)1. and NR 439.075(4), Wis. Adm. Code, s. 285.65(3), Wis. Stats.]

U.5. Unless otherwise specified in Part I of the permit, whenever emission testing is required, the permittee shall use the reference test methods listed under U.5. of this section. An alternate method to these reference test methods may be used if approved in writing by the Department. [ss. NR 439.06 and NR 484.04, Wis. Adm. Code]

U.5.a. Reference Test Methods for Nonfugitive Particulate Matter: Whenever compliance emission testing is required for a nonfugitive particulate matter emission limitation, the permittee shall use the appropriate Method 5, 5A, 5B, 5D, 5E, 5F, 5G, 5H, 5I, or 17 in 40 CFR part 60, Appendix A, and when required Method 202 in 40 CFR part 51, Appendix M. [s. NR439.06(1), Wis. Adm. Code]

U.5.b. Reference Test Methods for Nonfugitive PM₁₀ and PM_{2.5} Emissions: Whenever compliance emission testing is required for a nonfugitive PM₁₀ or PM_{2.5} emission limitation, the permittee shall use Method 201 or 201A and when required Method 202 in 40 CFR part 51, Appendix M. [ss. NR 439.06(1m) and NR439.06(8), Wis. Adm. Code]

U.5.c. Reference Test Method for Sulfur Dioxide Emissions: Whenever compliance emission testing of a sulfur dioxide (SO₂) emission limitation is required, the permittee shall use Method 6, 6A, 6B, 6C, or 8 in 40 CFR part 60, Appendix A. [s. NR 439.06(2)(a), Wis. Adm. Code]

U.5.d. Reference Test Method for Volatile Organic Compound Emissions: Whenever compliance emission testing of a volatile organic compounds (VOC) emission limitation is required, the permittee shall use Method 18, 25, 25A or 25B in

40 CFR part 60, Appendix A. [s. NR 439.06(3)(a), Wis. Adm. Code]

- U.5.e. Reference Test Method to Determine the Capture Efficiency of a Control System for Volatile Organic Compound Emissions: Whenever capture efficiency testing of VOC emissions is required, the permittee shall use Method 204, 204A, 204B, 204C, 204D, 204E, or 204F in 40 CFR Part 51, Appendix M, or the data quality objection method or lower confidence limit method in 40 CFR part 63, Subpart KK, Appendix A. When determining the overall emission reduction efficiency of a VOC control system, simultaneous measurements of both the capture efficiency of the system and the pollutant reduction efficiency of the control device may be required. [s. NR 439.06(3)(am), Wis. Adm. Code]
- U.5.f. Reference Test Method to Determine Surface Coating Properties: Whenever the organic solvent content, the volume of solids, the weight of solids, the water content and the density of surface coatings, inks, and cleaning materials is required, the permittee shall use Method 24 or 24A in 40 CFR part 60, Appendix A. [s. NR 439.06(3)(b), Wis. Adm. Code]
- U.5.g. Reference Test Method for Detecting Organic Compound Emission Leaks: Whenever the detection of organic compound emission leaks is required, the permittee shall use Method 21 in 40 CFR part 60, Appendix A. [s. NR 439.06(3)(c), Wis. Adm. Code]
- U.5.h. Reference Test Method to Verify the Vapor Tightness of Gasoline Delivery Tanks: Whenever verification of the vapor tightness of gasoline delivery tanks is required, the permittee shall use Method 27 in 40 CFR part 60, Appendix A. [s. NR 439.06(3)(d), Wis. Adm. Code]
- U.5.i. Reference Test Method for Carbon Monoxide Emissions: Whenever compliance emission testing of a carbon monoxide (CO) emission limitation is required, the permittee shall use Method 10, 10A, or 10B in 40 CFR part 60, Appendix A. [s. NR 439.06(4), Wis. Adm. Code]
- U.5.j. Reference Test Method for Lead Emissions: Whenever compliance emission testing of a lead (Pb) emission limitation is required, the permittee shall use Method 12 in 40 CFR part 60, Appendix A. [s. NR 439.06(5), Wis. Adm. Code]
- U.5.k. Reference Test Methods for Nitrogen Compound Emissions: Whenever compliance emission testing of a nitrogen compound (NOx) emission limitation is required, the permittee shall use EPA Method 7, 7A, 7B, 7C, 7D, or 7E in 40 CFR part 60, Appendix A. [s. NR 439.06(6)(a), Wis. Adm. Code]
- U.5.l. Reference Test Methods for Total Reduced Sulfur Emissions: Whenever compliance emission testing of a total reduced sulfur (TRS) emission limitation is required, the permittee shall use EPA Method 15A, 16, 16A, or 16B in 40 CFR part 60, Appendix A. [s. NR 439.06(7)(a), Wis. Adm. Code]
- U.5.m. Reference Test Method for Visible Emissions: Whenever emission testing of a visible emission limitation is required, the permittee shall use Method 9 in 40 CFR part 60, Appendix A. [s. NR 439.06(9)(a)1., Wis. Adm. Code]
- U.5.n. Reference Test Method for a "No Visible Emissions" Requirement: Whenever compliance emission testing is required for a no visible emission limitation, the permittee shall use Method 22 in 40 CFR part 60, Appendix A. [s. NR 439.06(9)(b), Wis. Adm. Code]

V. PSD Source Obligation

- V.1. For projects involving existing emissions units at sources that are major stationary sources as defined in s. NR 405.02(22), Wis. Adm. Code, which do not have a PAL [s. NR 405.02(24j), Wis. Adm. Code], where the calculated difference between projected actual emissions using the method specified in s. NR 405.02(25f)(b)1. to 2., Wis. Adm. Code and baseline actual emissions does not exceed the level that is considered significant for the air contaminant, as defined in s. NR 405.02(27), Wis. Adm. Code, the owner or operator shall meet the source obligation requirements in s. NR 405.16(3) and (4), Wis. Adm. Code. [s. NR 405.16(3) and (4), Wis. Adm. Code]

