

## Chapter NR 460

### Appendix DDDDD

#### General Provisions Applicability to Chapter NR 462

As stated in s. NR 462.04 (4), you shall comply with the applicable general provisions according to the following:

| Citation                  | Subject   | Description  | Applicable? |
|---------------------------|---|--|-------------|
| NR 2                      | Availability of information   | Public and confidential information.   | Yes         |
| NR 460.02                 | Definitions   | Definitions for chs. NR 460 to 469.  | Yes         |
| NR 460.03                 | Units and Abbreviations   | Units and abbreviations for chs. NR 460 to 469.  | Yes         |
| NR 460.04                 | Prohibited Activities   | Prohibited activities, compliance date, circumvention, severability.   | Yes         |
| NR 406                    | Construction and Reconstruction   | Applicability, applications, approvals.  | Yes         |
| NR 460.05 (1)             | Applicability   | General provisions apply unless compliance extension; and general provisions apply to area sources that become major.  | Yes         |
| NR 460.05 (2) (a) to (d)  | Compliance dates for new and reconstructed sources                        | Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for section 112(f) of the Act (42 USC 7412(f)).   | Yes         |
| NR 460.05 (2) (e)         | Notification  | Shall notify if commenced construction or reconstruction after proposal.   | Yes         |
| NR 460.05 (2) (f)         | Compliance dates for new and reconstructed area sources that become major | Area sources that become major shall comply with major source standards immediately upon becoming major regardless of whether required to comply when they were an area source.  | Yes         |
| NR 460.05 (3) (a) and (b) | Compliance dates for existing sources                                     | Comply according to date in ch. NR 462, which shall be no later than 3 years after effective date; and for section 112(f) standards (42 USC 7412(f)), comply within 90 days of effective date unless compliance extension.                               | Yes         |
| NR 460.05 (3) (c)         | Compliance dates for existing areas sources that become major             | Area sources that become major shall comply with major source standards by date indicated in ch. NR 462 or by equivalent time period, for example, 3 years.  | Yes         |
| NR 460.05 (4) (a)         | Operation and maintenance   | Operate to minimize emissions at all times; correct malfunctions as soon as practicable; operation and maintenance requirements independently enforced; information department will use to determine if operation and maintenance requirements were met. | Yes         |
| NR 460.05 (4) (c)         | Startup, shutdown and malfunction plan (SSMP)                             | Requirement for SSM and SSM plan and content of SSMP.  | Yes         |
| NR 460.05 (5)             | Compliance except during SSM  | Comply with emission standards at all times except during SSM.   | Yes         |
| NR 460.05 (6) (a)         | Compliance with opacity and visible emission standards                    | Comply with opacity and visible emission limitations at all times except during SSM.   | Yes         |

| Citation                        | Subject  | Description   | Applicable? |
|---------------------------------|--|---|-------------|
| NR 460.05 (6) (b) 1.            | Determining compliance with opacity and visible emission standards                         | If standard does not state test method, use Method 9 in 40 CFR part 60 Appendix A, incorporated by reference in s. NR 484.04 (13), for opacity and Method 22 in 40 CFR part 60 Appendix A, incorporated by reference in s. NR 484.04 (18), for visible emissions.   | No          |
| NR 460.05 (6) (b) 2.            | Using previous tests to demonstrate compliance with opacity and visible emission standards | Criteria for when previous opacity or visible emission testing can be used to show compliance with ch. NR 462.  | Yes         |
| NR 460.05 (6) (c)               | Notification of opacity or visible emission observation data                               | Notify department of anticipated date of observation.   | No          |
| NR 460.05 (6) (d) 1., 3. and 4. | Conducting opacity and visible emissions observations                                      | Dates and schedule for conducting opacity and visible emission observations.  | No          |
| NR 460.05 (6) (d) 2.            | Opacity test duration and averaging times  | Shall have at least 3 hours of observation with 30 6-minute averages.   | No          |
| NR 460.05 (6) (e)               | Records of conditions during opacity and visible emissions observations                    | Keep records available and allow department to inspect.   | No          |
| NR 460.05 (6) (f) 1.            | Report continuous opacity monitoring system (COMS) monitoring data from performance test   | Submit continuous opacity monitoring system data with other performance test data.  | Yes         |
| NR 460.05 (6) (f) 2.            | Using COMS instead of Method 9   | Can submit continuous opacity monitoring system data instead of results from Method 9 in 40 CFR part 60 Appendix A, incorporated by reference in s. NR 484.04 (13), even if ch. NR 462 requires Method 9, but shall notify department before performance test.  | No          |
| NR 460.05 (6) (f) 3.            | Averaging time for COMS during performance test  | To determine compliance, shall reduce continuous opacity monitoring system data to 6-minute averages.   | Yes         |
| NR 460.05 (6) (f) 4.            | COMS requirements  | Demonstrate that continuous opacity monitoring system performance evaluations are conducted according to s. NR 460.07 (5), continuous opacity monitoring systems are properly maintained and operated according to s. NR 460.07 (3) and monitoring data quality is assured according to s. NR 460.07 (4).   | Yes         |
| NR 460.05 (6) (f) 5.            | Determining compliance with opacity and visible emissions standards                        | Continuous opacity monitoring system is probative but not conclusive evidence of compliance with opacity standard, even if observation using Method 9 in 40 CFR part 60 Appendix A, incorporated by reference in s. NR 484.04 (13), shows otherwise. Requirements for continuous opacity monitoring system to be probative evidence—proper maintenance meeting PS 1 in 40 CFR part 60 Appendix B, incorporated by reference in s. NR 484.04 (21), and data have not been altered. | Yes         |

| Citation          | Subject  | Description  | Applicable?             |
|-------------------|--|--|-------------------------|
| NR 460.05 (6) (g) | Determining compliance with opacity and visible emission standards | Department will use all continuous opacity monitoring system data, results of Method 9 in 40 CFR part 60 Appendix A, incorporated by reference in s. NR 484.04 (13), and Method 22 in 40 CFR part 60 Appendix A, incorporated by reference in s. NR 484.04 (18), as well as information about operation and maintenance to determine compliance.   | Yes                     |
| NR 460.05 (7)     | Compliance extension   | Procedures and criteria for department to grant compliance extension.  | Yes                     |
| NR 460.06 (1) (a) | Performance test dates   | Dates for conducting initial performance testing and other compliance demonstrations.  | Yes                     |
| NR 460.06 (1) (b) | Performance test dates   | New source with initial startup date before effective date has 180 days after effective date to demonstrate compliance.  | Yes                     |
| NR 460.06 (1) (c) | Performance test dates   | <ol style="list-style-type: none"> <li>1. New source that commences construction between proposal and promulgation dates, when promulgated standard is more stringent than proposed standard, has 180 days after effective date or 180 days after startup of source, whichever is later, to demonstrate compliance.</li> <li>2. If source initially demonstrates compliance with less stringent proposed standard, it has 3 years and 180 days after the effective date of the standard or 180 days after startup of source, whichever is later, to demonstrate compliance with promulgated standard.</li> </ol> | Yes<br><br>No           |
| NR 460.06 (2)     | Notification of performance test                                   | Shall notify the department 20 days before the test.   | No                      |
|                   | Notification of rescheduling                                       | If rescheduling a performance test is necessary, shall notify the department 5 days before scheduled date of the rescheduled date.   | Yes                     |
|                   | Site-specific test plan  | Requirement to submit site-specific test plan 20 days before the test or on date the department agrees with; test plan approval procedures; performance audit requirements.  | Yes                     |
| NR 460.06 (3)     | Testing facilities   | Requirements for testing facilities.   | Yes                     |
| NR 460.06 (4) (a) | Conditions for conducting performance tests                        | <ol style="list-style-type: none"> <li>1. Performance tests shall be conducted under representative conditions; and</li> <li>2. May not conduct performance tests during SSM; and</li> <li>3. Not a deviation to exceed standard during SSM; and</li> <li>4. Upon request of department, make available records necessary to determine conditions of performance test.</li> </ol>  | No<br>Yes<br>Yes<br>Yes |
| NR 460.06 (4) (b) | Conditions for conducting performance tests                        | Shall conduct according to rule and EPA test methods unless department approves alternative.   | Yes                     |

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|-----------------------------|--|--|-------------|
| NR 460.06 (4) (c)           | Test run duration                                      | Shall have 3 separate test runs; and compliance is based on arithmetic mean of 3 runs; and conditions when data from an additional test run can be used.   | Yes         |
| NR 460.06 (5)               | Alternative test method                                | Procedures by which department can grant approval to use an alternative test method.   | Yes         |
| NR 460.06 (6)               | Performance test data analysis                         | Shall include raw data in performance test report; and shall submit performance test data 60 days after end of test with the Notification of Compliance Status; and keep data for 5 years.   | Yes         |
| NR 460.06 (7)               | Waiver of tests  | Procedures for department to waive performance test  | Yes         |
| NR 460.07 (1) (a)           | Applicability of monitoring requirements               | Subject to all monitoring requirements in standard.  | Yes         |
| NR 460.07 (1) (b)           | Performance specifications                             | Performance specifications in 40 CFR part 60 Appendix B apply.   | Yes         |
| NR 460.07 (1) (c)           | Monitoring with flares                                 | Unless your rule says otherwise, the requirements for flares in s. NR 460.10 apply.  | No          |
| NR 460.07 (2) (a) 1. and 2. | Monitoring   | Shall conduct monitoring according to standard unless department approves alternative.   | Yes         |
| NR 460.07 (2) (am)          | Monitoring   | Flares not subject to this section unless otherwise specified in relevant standard.  | No          |
| NR 460.07 (2) (b) and (c)   | Multiple effluents and multiple monitoring systems     | Specific requirements for installing monitoring systems; and shall install on each effluent before it is combined and before it is released to the atmosphere unless department approves otherwise; and if more than one monitoring system on an emission point, shall report all monitoring system results, unless one monitoring system is a backup. | Yes         |
| NR 460.07 (3) (a)           | Monitoring system operation and maintenance            | Maintain monitoring system in a manner consistent with good air pollution control practices.   | Yes         |
| NR 460.07 (3) (a) 1.        | Routine and predictable SSM                            | Maintain and operate CMS according to s. NR 460.05 (4) (a).  | Yes         |
| NR 460.07 (3) (a) 2.        | SSM not in SSMP  | Shall keep necessary parts available for routine repairs of CMS.   | Yes         |
| NR 460.07 (3) (a) 3.        | Compliance with operation and maintenance requirements | Shall develop and implement an SSMP for CMS.   | Yes         |
| NR 460.07 (3) (b) and (c)   | Monitoring system installation                         | Shall install to get representative emission and parameter measurements; and shall verify operational status before or at performance test.  | Yes         |
| NR 460.07 (3) (d)           | Continuous monitoring system (CMS) requirements        | CMS shall be operating except during breakdown, out-of-control, repair, maintenance and high-level calibration drifts.   | No          |

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|---------------------------|--|---|-------------|
| NR 460.07 (3) (d) 1.      | CMS requirements   | Continuous opacity monitoring system shall have a minimum of one cycle of sampling and analysis for each successive 10–second period and one cycle of data recording for each successive 6–minute period.                     | Yes         |
| NR 460.07 (3) (d) 2.      | CMS requirements   | Continuous emissions monitoring system shall have a minimum of one cycle of operation for each successive 15–minute period.   | No          |
| NR 460.07 (3) (e)         | COMS requirements  | Shall do daily zero and high level calibrations.  | Yes         |
| NR 460.07 (3) (f)         | CMS requirements   | Shall do daily zero and high level calibrations.  | No          |
| NR 460.07 (3) (g) and (h) | CMS requirements   | Out–of–control periods, including reporting.  | Yes         |
| NR 460.07 (4)             | CMS quality control  | Requirements for continuous monitoring systems quality control, including calibration; and shall keep quality control plan on record for the life of the affected source. Keep old versions for 5 years after revisions.      | Yes         |
| NR 460.07 (5)             | CMS performance evaluation                                     | Notification, performance evaluation test plan, reports.  | Yes         |
| NR 460.07 (6) (a) to (d)  | Alternative monitoring method                                  | Procedures for department to approve alternative monitoring.  | Yes         |
| NR 460.07 (6) (e)         | Alternative to relative accuracy test                          | Procedures for department to approve alternative to relative accuracy tests for continuous emissions monitoring system.   | No          |
| NR 460.07 (7) (a) to (d)  | Data reduction   | Continuous opacity monitoring system 6–minute averages calculated over at least 36 evenly spaced data points; and continuous emissions monitoring system 1–hour averages computed over at least 4 equally spaced data points. | Yes         |
| NR 460.07 (7) (e)         | Data reduction   | Data that cannot be used in computing averages for continuous emission monitoring system and continuous opacity monitoring system.  | No          |
| NR 460.08 (1)             | Notification requirements                                      | Applicability and general information.  | Yes         |
| NR 460.08 (2)             | Initial notifications  | Submit notification 120 days after effective date; and notification of intent to construct or reconstruct; and notification of commencement of construction or reconstruction; notification of startup; and contents of each. | Yes         |
| NR 460.08 (3)             | Request for compliance extension                               | May request if cannot comply by date or if installed BACT/LAER.   | Yes         |
| NR 460.08 (4)             | Notification of special compliance requirements for new source | For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date.   | Yes         |
| NR 460.08 (5)             | Notification of performance test                               | Notify department 60 days prior.  | No          |
| NR 460.08 (6)             | Notification of visible emissions/opacity test                 | Notify department 30 days prior.  | No          |

| Citation   | Subject  | Description   | Applicable? |
|--|--|---|-------------|
| NR 460.08 (7)  | Additional notifications when using CMS              | Notification of performance evaluation; and notification using continuous opacity monitoring system data; and notification that exceeded criterion for relative accuracy.   | Yes         |
| NR 460.08 (8)  | Notification of compliance status                    | Contents; and due 60 days after end of performance test or other compliance demonstration.  | Yes         |
| NR 460.08 (9)  | Adjustment of submittal deadlines                    | Procedures for department to approve change in when notifications shall be submitted.   | Yes         |
| NR 460.08 (10)   | Change in previous information                       | Shall submit within 15 days after the change.   | Yes         |
| NR 460.09 (1)  | Recordkeeping and reporting                          | Applies to all, unless compliance extension; and procedures for owners of more than one source.   | Yes         |
| NR 460.09 (2) (a)  | Recordkeeping and reporting                          | General requirements; and keep all records readily available and keep for 5 years.  | Yes         |
| NR 460.09 (2) (b) 1. to 5.                               | Reports related to startup, shutdown and malfunction | Occurrence of each operation (process, equipment); and occurrence of each malfunction of air pollution equipment; and maintenance of air pollution control equipment; and actions during startup, shutdown and malfunction.                         | Yes         |
| NR 460.09 (2) (b) 6., 10. and 11.                        | CMS records  | Malfunctions, inoperative, out-of-control; and calibration checks; and adjustments, maintenance.  | Yes         |
| NR 460.09 (2) (b) 7. to 9.                               | Records  | Measurements to demonstrate compliance with emission limitations; and performance test, performance evaluation and visible emission observation results; and measurements to determine conditions of performance tests and performance evaluations. | Yes         |
| NR 460.09 (2) (b) 12.                                    | Records  | Records when under waiver.  | Yes         |
| NR 460.09 (2) (b) 13.                                    | Records  | Records when using alternative to relative accuracy test.   | No          |
| NR 460.09 (2) (b) 14.                                    | Records  | All documentation supporting initial notification and notification of compliance status.  | Yes         |
| NR 460.09 (2) (c)  | Records  | Applicability determinations.   | Yes         |
| NR 460.09 (3) (a) 1., 2. to 5. and 6. to 10. and (3) (b) | Records  | Additional records for continuous monitoring systems.   | Yes         |
| 460.09 (3) (a) 4. and 5.                                 | Records  | Records of excess emissions and parameter monitoring exceedances for continuous monitoring systems.   | No          |
| NR 460.09 (4) (a)  | General reporting requirements                       | Requirements to report.   | Yes         |
| NR 460.09 (4) (b)  | Report of performance test results                   | When to submit to the department.   | Yes         |
| NR 460.09 (4) (c)  | Reporting opacity or visible emissions observations  | What to report and when.  | Yes         |
| NR 460.09 (4) (d)  | Progress reports                                     | Shall submit progress reports on schedule if under compliance extension.  | Yes         |

| Citation                    | Subject                                    | Description  | Applicable? |
|-----------------------------|--|--|-------------|
| NR 460.09 (4) (e)           | Startup, shutdown and malfunction reports  | Contents and submission.   | Yes         |
| NR 460.09 (5) (a) and (b)   | Additional CMS reports                     | Report results for each CEM on a unit; and written copy of performance evaluation; and 3 copies of continuous opacity monitoring system performance evaluation.  | Yes         |
| NR 460.09 (5) (c)           | Reports                                    | Excess emission reports.   | No          |
| NR 460.09 (5) (c) 1. to 3.  | Reports                                    | Schedule for reporting excess emissions and parameter monitor exceedance (now defined as deviations).  | No          |
| NR 460.09 (5) (c) 4. and 5. | Excess emissions reports                   | Requirement to revert to quarterly submission if there is an excess emissions and parameter monitor exceedance (now defined as deviations); and provision to request semiannual reporting after compliance for one year; and submit report by 30 <sup>th</sup> day following end of quarter or calendar half; and if there has not been an exceedance or excess emissions (now defined as deviations), report content is a statement that there have been no deviations. | No          |
| NR 460.09 (5) (c) 4. and 5. | Excess emissions reports                   | Shall submit report containing all of the information in ss. NR 460.07 (3) (g) and (h) and 460.09 (3) (a)2. to 9.  | No          |
| NR 460.09 (5) (c) 6. to 8.  | Excess emissions report and summary report | Requirements for reporting excess emissions for continuous monitoring systems (now called deviations); requires all the information in ss. NR 460.09 (3) (a)2. to 9. and 460.07 (3) (g) and (h).   | No          |
| NR 460.09 (5) (d)           | Reporting COMS data                        | Shall submit continuous opacity monitoring system data with performance test data.   | Yes         |
| NR 460.09 (6)               | Waiver for recordkeeping and reporting     | Procedures for department to waive.  | Yes         |
| NR 460.10                   | Flares                                     | Requirements for flares.   | No          |
| NR 484                      | Incorporation by reference                 | Test methods incorporated by reference.  | Yes         |