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## 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

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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

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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  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 Yes Yes 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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Citation	Subject	Description	Applicable?
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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<b>Citation</b>	<b>Subject</b>	<b>Description</b>	<b>Applicable?</b>
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

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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

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<b>Citation</b>	<b>Subject</b>	<b>Description</b>	<b>Applicable?</b>
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