

DRAFT

AIR EMISSION PERMIT NO. 99000269- 002
Total Facility Oper. Permit - Reissuance

IS ISSUED TO

Central Specialties Inc

CENTRAL SPECIALTIES INC - PLANT 4
Portable
Alexandria, Pope County, MN 56308

The emission units, control equipment and emission stacks at the portable source authorized in this permit reissuance are as described in the Permit Applications Table.

This permit reissuance supersedes Air Emission Permit No. 999000269-001 and authorizes the Permittee to operate the portable source at the address listed above unless otherwise noted in Table A. The Permittee must comply with all the conditions of the permit. Any changes or modifications to the portable source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Terms used in the permit are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Unless otherwise indicated, all the Minnesota rules cited as the origin of the permit terms are incorporated into the State Implementation Plan (SIP) under 40 CFR § 52.1220 and as such are enforceable by U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

Permit Type: State; Limits to Avoid Pt 70/Limits to Avoid NSR;

Operating Permit Issue Date: <issue date>

Expiration Date: Non-Expiring – All Title I Conditions do not expire.

Don Smith, P.E., Manager
Air Quality Permits Section
Industrial Division

for John Linc Stine
Commissioner
Minnesota Pollution Control Agency

Permit Applications Table

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State General Permit	March 10, 1998	001

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NOTICE TO THE PERMITTEE:

Your portable source may be subject to the requirements of the Minnesota Pollution Control Agency's (MPCA) solid waste, hazardous waste, and water quality programs. If you wish to obtain information on these programs, including information on obtaining any required permits, please contact the MPCA general information number at:

Metro Area	651-296-6300
Outside Metro Area	1-800-657-3864
TTY	651-282-5332

The rules governing these programs are contained in Minn. R. chs. 7000-7105. Written questions may be sent to: Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

Questions about this air emission permit or about air quality requirements can also be directed to the telephone numbers and address listed above.

PERMIT SHIELD:

Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition. Subject to the limitations of Minn. R. 7007.1800 and 7017.0100, subp. 2, notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

FACILITY DESCRIPTION:

Central Specialties – Plant 4 manufactures hot mix asphalt (HMA) for commercial use. The emission units at this facility are a parallel-flow drum mixer (EU100), an asphalt cement (AC) storage tank heater (EU300), and two diesel generators (EU401 and EU402). The parallel-flow drum mixer combines aggregate, which is dried and heated within the drum, with asphalt cement.

Particulate matter (PM), particulate matter less than 10 μm in size (PM_{10}), and particulate matter less than 2.5 μm in size ($\text{PM}_{2.5}$) emissions from the parallel-flow drum mixer are controlled with a fabric filter (CE100).

Insignificant activities at the Facility with emissions include three asphalt cement tanks, and three fuel oil storage tanks.

TABLE A: LIMITS AND OTHER REQUIREMENTS

A-1 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Table A contains limits and other requirements with which your facility must comply. The limits are located in the first column of the table (What To do). The limits can be emission limits or operational limits. This column also contains the actions that you must take and the records you must keep to show that you are complying with the limits. The second column of Table A (Why to do it) lists the regulatory basis for these limits. Appendices included as conditions of your permit are listed in Table A under total facility requirements.

Subject Item: Total Facility

What to do	Why to do it
SOURCE-SPECIFIC REQUIREMENTS	hdr
Permit Appendices: This permit contains appendices as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in the appendices.	Minn. R. 7007.0800, subp. 2
This source may only operate from April 1 - November 30 of each calendar year.	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080
All facility sources and buildings, with the exception of fugitive sources, must keep a minimum distance of 200 feet from property boundaries at all times.	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080
Geographic Areas of Operation Allowed: Under this permit, provided all conditions are met, the PERmittee is authorized to construct, modify, and operate this portable plant anywhere in Minnesota except any area desingated as non-attainment or as maintenance area for PM < 10 micron.	Minn. R. 7007.0800, subp. 12
The parameters used in PM < 10 micron modeling are listed in Appendix B of this permit. Modeling Triggers: For changes that do not require a permit amendment, and that affect any modeled parameter or emission rate documented in Appendix B, a Remodeling Submittal requirement is not triggered. The Permittee shall keep updated records on site of all parameters and emissions rates. The Permittee shall submit any changes to parameters and emission rates with the next required remodeling submittal. For changes that require a moderate or major permit amendment and affect any modeled parameter or emission rate documented in Appendix B, a Remodeling Submittal requirement is triggered. The Permittee shall include previously made changes to parameters and emission rates that did not trigger a remodeling submittal with this modeling submittal.	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(A), 7(L) and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080
Remodeling Submittal for PM < 10 micron: The Permittee must submit to the Commissioner for approval changes meeting the above criteria and must wait for a written approval (in the form of an issued permit amendment) before making such changes. The information submitted must include for stack and vent sources, source emission rate, location, height, diameters, exit velocity, exit temperature, discharge direction, use of rain caps or rain hats, and if applicable, locations and dimensions of nearby buildings. For non-stack/vent sources, this includes the source emission rate, location, size and shape, release height, and, if applicable, any emission rate scalars, and the initial lateral dimensions and initial vertical dimensions and adjacent building heights. (continued below)	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(a), 7(L) and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080
(Remodeling Submittal for PM < 10 micron continued from above) The plume dispersion characteristics due to the revisions of the information must be equivalent to or better than the dispersion characteristics modeled. The Permittee shall demonstrate this equivalency in the proposal. If the information does not demonstrate equivalent or better dispersion characteristics, or if a conclusion cannot readily be made about the dispersion, the Permittee must submit full remodeling.	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(A), 7(L) and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-2** 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

<p>The parameters used in SO₂ modeling are listed in Appendix B of this permit.</p> <p>Modeling Triggers: For changes that do not require a permit amendment or that require a minor permit amendment, and that affect any modeled parameter or emission rate documented in Appendix B, a Remodeling Submittal requirement is not triggered at the time of the change. The Permittee shall keep updated records on site of all parameters and emissions rates. The Permittee shall submit any changes to parameters and emission rates with the next required remodeling submittal.</p> <p>For changes that require a moderate or major permit amendment and affect any modeled parameter or emission rate documented in Appendix B, a Remodeling Submittal requirement is triggered. The Permittee shall include previously made changes to parameters and emission rates that did not trigger a remodeling submittal with this modeling submittal.</p>	<p>Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080</p>
<p>Remodeling Submittal for SO₂: The Permittee must submit to the Commissioner for approval changes meeting the above criteria and must wait for a written approval (in the form of an issued permit amendment) before making such changes. For minor amendments, written approval of the modeling may be given before permit issuance; however, this approval applies only to the modeling and not to any other changes. The information submitted must include, for stack and vent sources, source emission rate, location, height, diameters, exit velocity, exit temperature, discharge direction, use of rain caps or rain hats, and if applicable, locations and dimensions of nearby buildings. For non-stack/vent sources, this includes the source emission rate, location, size and shape, release height, and, if applicable, any emission rate scalars, and the initial lateral dimensions and initial vertical dimensions and adjacent building heights.</p> <p>(continued below)</p>	<p>Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(a), 7(L) and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080</p>
<p>(Remodeling Submittal for SO₂ continued from above)</p> <p>The plume dispersion characteristics due to the revisions of the information must be equivalent to or better than the dispersion characteristics modeled. The Permittee shall demonstrate this equivalency in the proposal. If the information does not demonstrate equivalent or better dispersion characteristics, or if a conclusion cannot readily be made about the dispersion, the Permittee must submit full remodeling.</p>	<p>Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(A), 7(L) and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080</p>
NONROAD ENGINES	hdr
<p>The Permittee shall keep records for each nonroad engine that will include:</p> <ol style="list-style-type: none"> 1) Date that the nonroad engine is brought onsite. 2) Date that the nonroad engine is taken offsite. 3) Identification number 	<p>Minn. R. 7007.0800, subps. 4 and 5</p>
<p>The Permittee shall not have nonroad engines onsite during the annual operating period for more than two consecutive seasons and that operate at that single location approximately three months or more each calendar year. Any engine, or engines, that replaces an engine at a location and that is intended to perform the same or similar function as the engine it replaced will be included in calculating the consecutive time period.</p>	<p>40 CFR Section 1068.30 "Nonroad engines", (2)(iii)</p>
<p>For a nonroad engine that is excluded from any requirements of 40 CFR Part 1068 because it is a stationary engine, the Permittee may not move it or install it in any mobile equipment, except as allowed by the provisions of 40 CFR Part 1068. The Permittee may not circumvent or attempt to circumvent the residence time requirements of paragraph (2)(iii) of the nonroad engine definition in 40 CFR Section 1068.30.</p>	<p>40 CFR Section 1068.101(b)(3)</p>
OPERATIONAL REQUIREMENTS	hdr
<p>Comply with Fugitive Emission Control Plan: The Permittee shall follow the actions and recordkeeping specified in the control plan. The plan may be amended by the Permittee with the Commissioner's approval. If the Commissioner determines the Permittee is out of compliance with Minn. R. 7011.0150 or the fugitive control plan, then the Permittee may be required to amend the control plan and/or to install and operate particulate matter ambient monitors as requested by the Commissioner.</p>	<p>Minn. Stat. Section 116.07, subd. 4a; Minn. R. 7007.0100; Minn. R. 7007.0800, subp. 2; Minn. R. 7011.0150; Minn. R. 7009.0020</p>
<p>Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted.</p>	<p>Minn. R. 7011.0020</p>
<p>Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated.</p>	<p>Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)</p>

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-3**

06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Operation and Maintenance Plan: Retain at the portable source an operation and maintenance plan for all air pollution control equipment. At a minimum, the O & M plan shall identify all air pollution control equipment and control practices and shall include a preventative maintenance program for the equipment and practices, a description of (the minimum but not necessarily the only) corrective actions to be taken to restore the equipment and practices to proper operation to meet applicable permit conditions, a description of the employee training program for proper operation and maintenance of the control equipment and practices, and the records kept to demonstrate plan implementation.	Minn. R. 7007.0800, subps. 14 and 16(J)
Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate.	Minn. R. 7019.1000, subp. 4
Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150.	Minn. R. 7011.0150
Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement and is not enforceable by the EPA Administrator or citizens under the Clean Air Act.	Minn. R. 7030.0010 - 7030.0080
Inspections: The Permittee shall comply with the inspection procedures and requirements as found in Minn. R. 7007.0800, subp. 9(A).	Minn. R. 7007.0800, subp. 9(A)
The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.	Minn. R. 7007.0800, subp. 16
PERFORMANCE TESTING	hdr
Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in Tables A, B, and/or C.	Minn. R. ch. 7017
Performance Test Notifications and Submittals: Performance Tests are due as outlined in Table A of the permit. See Table B for additional testing requirements. Performance Test Notification (written): due 30 days before each Performance Test Performance Test Plan: due 30 days before each Performance Test Performance Test Pre-test Meeting: due 7 days before each Performance Test Performance Test Report: due 45 days after each Performance Test Performance Test Report - Microfiche Copy: due 105 days after each Performance Test The Notification, Test Plan, and Test Report may be submitted in an alternative format as allowed by Minn. R. 7017.2018.	Minn. R. 7017.2018; Minn. R. 7017.2030, subps. 1-4, Minn. R. 7017.2035, subps. 1-2
Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as stated in the MPCA's Notice of Compliance letter granting preliminary approval. Preliminary approval is based on formal review of a subsequent performance test on the same unit as specified by Minn. R. 7017.2025, subp. 3. The limit is final upon issuance of a permit amendment incorporating the change.	Minn. R. 7017.2025, subp. 3
MONITORING REQUIREMENTS	hdr
Monitoring Equipment Calibration: The Permittee shall calibrate all required monitoring equipment at least once every 12 months (any requirements applying to continuous emission monitors are listed separately in this permit).	Minn. R. 7007.0800, subp. 4(D)
Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, or during checks of the monitoring systems, such as calibration checks and zero and span adjustments. If monitoring records are required, they should reflect any such periods of process shutdown or checks of the monitoring system.	Minn. R. 7007.0800, subp. 4(D)
RECORDKEEPING	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-4**

06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Recordkeeping: Retain all records at the portable source, unless otherwise specified within this permit, for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at this location include all calibration and maintenance records, all original recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A).	Minn. R. 7007.0800, subp. 5(C)
Recordkeeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007.1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350, subp. 2), including records of the emissions resulting from those changes.	Minn. R. 7007.0800, subp. 5(B)
If the Permittee determines that no permit amendment or notification is required prior to making a change, the Permittee must retain records of all calculations required under Minn. R. 7007.1200. For nonexpiring permits, these records shall be kept for a period of five years from the date that the change was made. The records shall be kept at the portable source for the current calendar year of operation and may be kept at the portable source or office of the portable source for all other years. The records may be maintained in either electronic or paper format.	Minn. R. 7007.1200, subp. 4
REPORTING/SUBMITTALS	hdr
Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3. At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.	Minn. R. 7019.1000, subp. 3
Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2. At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.	Minn. R. 7019.1000, subp. 2
Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment.	Minn. R. 7019.1000, subp. 1
Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description: 1. the cause of the deviation; 2. the exact dates of the period of the deviation, if the deviation has been corrected; 3. whether or not the deviation has been corrected; 4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and 5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.	Minn. R. 7019.1000, subp. 1
Fugitive Emissions Control Plan: The Permittee shall submit to the Commissioner and implement a fugitive emissions control plan within 60 days of the date of permit issuance. The plan shall identify all fugitive emission sources, primary and contingent control measures, and record keeping. The Permittee shall follow the actions and record keeping specified in the control plan. If the Commissioner determines the Permittee is out of compliance with Minn. R. 7011.0150 or the fugitive emission control plan, then the Permittee may be required to amend the control plan and/or to install and operate particulate matter ambient monitors.	Minn. Stat. Section 116.07, subd. 4a; Minn. R. 7007.0100; Minn. R. 7007.0800, subp. 2; Minn. R. 7011.0150; Minn. R. 7009.0020
Relocation Notification Form: due 48 hours before change in location. Submit notification on a form approved by the Commissioner.	Minn. R. 7007.0800, subp. 12(C)

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-5**

06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Relocation Notification: Notify the agency in a form approved by the commissioner at least 48 hours in advance of each change in location. The notification shall include the new location, the anticipated date of start up in the new location, and the anticipated length of time in the new location.	Minn. R. 7007.0800, subp. 12
Application for Permit Amendment: If a permit amendment is needed, submit an application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed.	Minn. R. 7007.1150 - 7007.1500
Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H). Performance testing deadlines from the General Provisions of 40 CFR pt. 60 and pt. 63 are examples of deadlines for which the MPCA does not have authority to grant extensions and therefore do not meet the requirements of Minn. R. 7007.1400, subp. 1(H).	Minn. R. 7007.1400, subp. 1(H)
Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance, to be submitted on a form approved by the Commissioner.	Minn. R. 7019.3000 - 7019.3100
Emission Fees: due 60 days after receipt of an MPCA bill.	Minn. R. 7002.0005 - 7002.0095

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-6** 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Subject Item: GP 001 Facility Limits**Associated Items:** EU 100 HMA Plant Drum

EU 300 AC Tank Heater

EU 401 Small Generator

EU 402 HMA Plant Generator

SV 100 HMA Drum Baghouse

SV 300 AC Tank Heater

SV 301 Small Generator

What to do	Why to do it
Total Particulate Matter: less than or equal to 95 tons/year . Compliance is shown through compliance with the throughput limit (1,260,000 tons Hot Mix Asphalt (HMA)/year), the fuel usage limit (131,400 gallons fuel oil #2/year) and the operating hours limit (operate from April 1st to November 30th only).	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
PM < 10 micron: less than or equal to 95 tons/year . Compliance is shown through compliance with the throughput limit (1,260,000 tons HMA/year), the fuel usage limit (131,400 gallons fuel oil #2/year) and the operating hours limit (operate from April 1st to November 30th only).	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
PM < 2.5 micron: less than or equal to 95 tons/year . Compliance is shown through compliance with the throughput limit (1,260,000 tons HMA/year), the fuel usage limit (131,400 gallons fuel oil #2/year) and the operating hours limit (operate from April 1st to November 30th only).	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Carbon Monoxide: less than or equal to 95 tons/year . Compliance is shown through compliance with the throughput limit (1,260,000 tons HMA/year), the fuel usage limit (131,400 gallons fuel oil #2/year) and the operating hours limit (operate from April 1st to November 30th only).	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Nitrogen Oxides: less than or equal to 95 tons/year . Compliance is shown through compliance with the throughput limit (1,260,000 tons HMA/year), the fuel usage limit (131,400 gallons fuel oil #2/year) and the operating hours limit (operate from April 1st to November 30th only).	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Sulfur Dioxide: less than or equal to 95 tons/year . Compliance is shown through compliance with the throughput limit (1,260,000 tons HMA/year), the fuel usage limit (131,400 gallons fuel oil #2/year) and the operating hours limit (operate from April 1st to November 30th only).	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Volatile Organic Compounds: less than or equal to 95 tons/year . Compliance is shown through compliance with the throughput limit (1,260,000 tons HMA/year), the fuel usage limit (131,400 gallons fuel oil #2/year) and the operating hours limit (operate from April 1st to November 30th only).	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
HAPs - Total: less than or equal to 22.5 tons/year . Compliance is shown through compliance with the throughput limit (1,260,000 tons HMA/year), the fuel usage limit (131,400 gallons fuel oil #2/year) and the operating hours limit (operate from April 1st to November 30th only).	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-7** 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Subject Item: EU 100 HMA Plant Drum**Associated Items:** CE 100 Fabric Filter - High Temperature, i.e., T>250 Degrees F

GP 001 Facility Limits

SV 100 HMA Drum Baghouse

What to do	Why to do it
LIMITS	hdr
Process Throughput: less than or equal to 10,000 tons/day of Hot Mix Asphalt (HMA).	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Process Throughput: less than or equal to 1260000 tons/year using 12-month Rolling Sum of Hot Mix Asphalt produced to be calculated by the 15th day of each month for the previous 12-month period by summing the monthly HMA produced for the previous 12 months.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Throughput Limit: The Permittee shall not exceed the production throughput at which compliance with Minn. R. 7011.0909 was demonstrated during the plant's most recent performance test except as specified below. If the emission rate is tested at less than 25% of the limit, production throughput may be increased 20%. If the emission rate is tested between 25 - 50% of the limit, production throughput may be increased 15%. If the emission rate is tested between 50 - 80% of the limit, production throughput may be increased 10%.	Minn. R. 7011.0922, subp. 1-2
Total Particulate Matter: less than or equal to 0.040 grains/dry standard cubic foot . EPA Method 5 shall be used to determine the PM concentration.	40 CFR Section 60.92(a)(1); 40 CFR 60.93; Minn. R. 7011.0909
Opacity: less than or equal to 20 percent . EPA Method 9 and the procedures in 40 CFR Section 60.11 shall be used to determine opacity.	40 CFR Section 60.92(a)(2); 40 CFR 60.93; Minn. R. 7011.0909
PM < 10 micron: less than or equal to 21.38 lbs/hour using 24-hour Rolling Average	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Sulfur Dioxide: less than or equal to 111.27 lbs/hour using 1-Hour Average	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Fuel Type: natural gas, methane, butane and propane; gasoline, kerosene, diesel fuel, and fuel oils (No. 1, No. 2, No. 3, No. 4, No. 5, No. 6). Fuels with a sulfur content of greater than 0.70% by weight must be modeled in accordance with Minn. R. 7011.0903 and must show compliance with ambient standards prior to use. The Permittee has demonstrated modeled compliance with this requirement.	Minn. R. 7011.0913, subp. 2(B); Minn. R. 7011.0903, subps. 1 and 2
Sulfur Content of Fuel: less than or equal to 5 percent by weight	Minn. R. 7011.0903, subp. 1(B)
Materials Allowed: The portable source is allowed to use only the following materials: clay, silt, sand, gravel and crushed stone produced from naturally occurring geologic formations, without additives; recycled asphalt pavement; portland cement concrete; recycled sediments from asphalt plant scrubber operations; fines from asphalt plant fabric filter operations; asphalt cement; and hydrated lime.	Minn. R. 7011.0913, subp. 2(A)
Additives Allowed: The portable source is allowed to add only the following additives to the asphalt cement: silicone, organic soaps and other substances of a similar nature added to the asphalt cement.	Minn. R. 7011.0913, subp. 2(C)
Additional Materials Allowed: The portable source is allowed to use manufactured scrap and ground tear-off shingles.	Minn. R. 7011.0913, subp. 3A
CONTROL REQUIREMENTS (see CE 100 for specific control equipment requirements)	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-8**

06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

The Permittee shall operate and maintain the fabric filter (CE 100) at any time that the process equipment controlled by the fabric filter (EU 100) is in operation. The Permittee shall document periods of non-operation of the control equipment. See Subject Item CE 100 for specific operating requirements.	Minn. R. 7011.0917
MONITORING AND RECORDKEEPING	hdr
Daily Determination of Compliance With Throughput Limit: the Permittee shall: A. operate an accumulating hour meter on the dryer burner at all times the dryer burner is in operation; B. record each day the plant's hours of operation as determined by the hour meter and the total tons of hot mix asphalt produced; and C. record the production throughput by dividing the total tons of hot mix asphalt produced by the hours of operation for each calendar day of operation.	Minn. R. 7011.0922, subp. 3
Daily Throughput Limit: Once each day, the permittee shall calculate and record HMA production in tons/day for the previous calendar day.	Minn. R. 7007.0800, subp. 4 and 5
The Permittee shall record each month the hot mix asphalt throughput and use this number for the calculations of the 12-month rolling sum of HMA production.	Minn. Stat. Section 116.07, subd. 4a, and Minn. R. 7007.0800, subp. 2
Annual Throughput Limit: The Permittee shall calculate and record the 12-month rolling sum of HMA production by the 15th day of each month for the previous month and the previous 12 months.	Title I Condition: To avoid classification as a major source und 40 CFR Section 70.2 and Minn. R. 7007.0200; Minn. R. 7007.0800, subp. 5
Material Use Records: Records shall be kept of the materials, fuels and additives used and the amount used each calendar year.	Minn. R. 7011.0913, subp. 5
Fuel Records: For any fuel used in the dryer burner, except natural gas, methane, butane, propane, gasoline, kerosene, diesel fuel, No. 1 and No. 2 fuel oil, the Permittee shall keep for each fuel delivery a record of a vendor certification or fuel analysis which shows the sulfur content of the fuel.	Minn. R. 7011.0903, subp. 3(A); Minn. Stat. Section 116.07, subd. 4a, and Minn. R. 7007.0800, subp. 2
The Permittee shall tune the dryer burner for maximum combustion efficiency once each calendar year. The Permittee shall maintain a record of the dates of the tuning.	Minn. R. 7011.0911, subp. 1 and 3(A)
The Permittee shall keep a record of the modeling results performed under subpart 2. The record shall include: (1) the sulfur content of the fuel modeled; (2) the site modeled; (3) model output files; and (4) supporting calculations. Records required by this subpart shall be maintained for a minimum of five years from the date the record was made.	Minn. R. 7011.0903, subps. 2 and 3
Daily Check of Dryer Burner: Once each day, except when burning natural gas or propane, the Permittee shall: A. read and record the fuel pressure gauge reading on the dryer burner; B. check and record whether there a negative draft at the dryer burner inlet; and C. record any corrective actions taken as a result of the daily checks	Minn. R. 7011.0911, subp. 2-3
PERFORMANCE TESTING	hdr
Performance Test: due 365 days after Permit Issuance to measure total particulate matter (PM).	Minn. R. 7017.2020, subp. 1
Performance Test: due 365 days after Permit Issuance to measure particulate matter < 10 micron (PM10).	Minn. R. 7017.2020, subp. 1
Performance Test: due 365 days after Permit Issuance to measure sulfur dioxide (SO2).	Minn. R. 7017.2020, subp. 1
Additional Performance Testing: Performance testing for PM and opacity shall be conducted as required by Minn. R. 7017.2020, subp. 1.	Minn. R. 7011.0920, subp. 2 and subp. 3(E)

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-9** 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Subject Item: EU 300 AC Tank Heater**Associated Items:** GP 001 Facility Limits

What to do	Why to do it
LIMITS	hdr
Operating Hours: less than or equal to 5840 hours/year using 12-month Rolling Sum to be calculated by the 15th day of each month for the previous 12-month period based on daily records.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Total Particulate Matter: less than or equal to 0.40 lbs/million Btu heat input . The potential to emit from the unit is 0.024 lb/MMBtu due to equipment design and allowable fuels.	Minn. R. 7011.0515, subp. 1
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0515, subp. 2
PM < 10 micron: less than or equal to 0.33 lbs/hour using 24-hour Rolling Average	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Sulfur Dioxide: less than or equal to 2.00 lbs/million Btu heat input when located in Minneapolis/ St. Paul Air Quality Control Region. Sulfur Dioxide: no limit when located outside the Minneapolis/ St. Paul Air Quality Control Region.	Minn. R. 7011.0515, subp. 1
Sulfur Dioxide: less than or equal to 0.30 lbs/hour using 1-Hour Average	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Fuels Allowed: Natural gas, propane, or fuel oil No. 2 only.	Minn. R. 7011.0913, subp. 2(B); Minn. R. 7011.0903, subps. 1 and 2
MONITORING AND RECORDKEEPING	hdr
Operating Hours Recordkeeping: On each day of operation, the Permittee shall record the operating hours to the nearest tenth of an hour. By the 15th day of each month, the Permittee shall calculate and record the operating hours for the previous month based on the daily records, and for the previous 12-month period based on the monthly records.	Title I Condition: Limit to avoid classification as major source under 40 CFR Section 52.21
Fuel Supplier Certification: The Permittee shall obtain and maintain a fuel supplier certification for each shipment of No. 2 fuel oil, certifying that the sulfur content does not exceed 0.50% by weight.	Minn. R. 7007.0800, subps. 4 and 5
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-10** 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Subject Item: EU 401 Small Generator**Associated Items:** GP 001 Facility Limits

SV 301 Small Generator

What to do	Why to do it
LIMITS	hdr
Operating Hours: less than or equal to 5840 hours/year using 12-month Rolling Sum to be calculated by the 15th day of each month for the previous 12-month period based on daily records.	Title I Condition: To avoid classification as major source and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Opacity: less than or equal to 20 percent once operating temperatures have been attained.	Minn. R. 7011.2300, subp. 1
PM < 10 micron: less than or equal to 0.43 lbs/hour using 24-hour Rolling Average	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Sulfur Dioxide: less than or equal to 0.5 lbs/million Btu heat input	Minn. R. 7011.2300, subp. 2
Sulfur Dioxide: less than or equal to 0.40 lbs/hour using 1-Hour Average	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Fuels Allowed: Natural gas, propane, or No. 2 fuel oil only.	Minn. R. 7007.0800, subp. 2;
MONITORING AND RECORDKEEPING	hdr
Operating Hours Recordkeeping: On each day of operation, the Permittee shall record the operating hours to the nearest tenth of an hour. By the 15th day of each month, the Permittee shall calculate and record the operating hours for the previous month based on the daily records, and for the previous 12-month period based on the monthly records.	Title I Condition: Limit to avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Fuel Supplier Certification: The Permittee shall obtain and maintain a fuel supplier certification for each shipment of No. 2 fuel oil, certifying that the sulfur content does not exceed 0.50% by weight.	Minn. R. 7007.0800, subps. 4 and 5
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subp. 5
NONROAD ENGINES	hdr
The Permittee shall keep records for each nonroad engine that will include: 1) Date that the nonroad engine is brought onsite. 2) Date that the nonroad engine is taken offsite. 3) Identification number	Minn. R. 7007.0800, subps. 4 and 5
The Permittee shall not have nonroad engines onsite during the annual operating period for more than two consecutive seasons and that operate at that single location approximately three months or more each calendar year. Any engine, or engines, that replaces an engine at a location and that is intended to perform the same or similar function as the engine it replaced will be included in calculating the consecutive time period.	40 CFR Section 1068.30 "Nonroad engines", (2)(iii)
For a nonroad engine that is excluded from any requirements of 40 CFR Part 1068 because it is a stationary engine, the Permittee may not move it or install it in any mobile equipment, except as allowed by the provisions of 40 CFR Part 1068. The Permittee may not circumvent or attempt to circumvent the residence time requirements of paragraph (2)(iii) of the nonroad engine definition in 40 CFR Section 1068.30.	40 CFR Section 1068.101(b)(3)
Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; - the fabric filter or any of its components are found during the inspections to need repair. Corrective actions shall eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter.	Minn. R. 7007.0800, subps. 4, 5, and 14

TABLE A: LIMITS AND OTHER REQUIREMENTS

A-11 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Subject Item: EU 402 HMA Plant Generator**Associated Items:** GP 001 Facility Limits

SV 302 HMA Plant Generator

What to do	Why to do it
LIMITS	hdr
Fuel Usage: less than or equal to 131,400 gallons/year using 12-month Rolling Sum to be calculated by the 15th day of each month for the previous 12-month period by summing the monthly No. 2 fuel usage for the previous 12 months.	Title I Condition: To avoid major source classification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200
Opacity: less than or equal to 20 percent once operating temperatures have been attained.	Minn. R. 7011.2300, subp. 1
PM < 10 micron: less than or equal to 0.38 lbs/hour using 24-hour Rolling Average	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Sulfur Dioxide: less than or equal to 0.50 lbs/million Btu heat input .	Minn. R. 7011.2300, subp. 2
Sulfur Dioxide: less than or equal to 0.01 lbs/hour using 1-Hour Average	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subp. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010-7009.0080
Fuel type: No. 2 fuel oil only.	Minn. R. 7005.0100, subp. 35a
MONITORING AND RECORDKEEPING	hdr
Fuel Supplier Certification: The Permittee shall obtain and maintain a fuel supplier certification for each shipment of No. 2 fuel oil, certifying that the sulfur content does not exceed 0.50% by weight.	Minn. R. 7007.0800, subps. 4 and 5
The Permittee shall keep records of fuel type and usage on a monthly basis.	Minn. R. 7007.0800, subp. 5
NONROAD ENGINES	hdr
The Permittee shall keep records for each nonroad engine that will include: 1) Date that the nonroad engine is brought onsite. 2) Date that the nonroad engine is taken offsite. 3) Identification number	Minn. R. 7007.0800, subps. 4 and 5
The Permittee shall not have nonroad engines onsite during the annual operating period for more than two consecutive seasons and that operate at that single location approximately three months or more each calendar year. Any engine, or engines, that replaces an engine at a location and that is intended to perform the same or similar function as the engine it replaced will be included in calculating the consecutive time period.	40 CFR Section 1068.30 "Nonroad engines", (2)(iii)
For a nonroad engine that is excluded from any requirements of 40 CFR Part 1068 because it is a stationary engine, the Permittee may not move it or install it in any mobile equipment, except as allowed by the provisions of 40 CFR Part 1068. The Permittee may not circumvent or attempt to circumvent the residence time requirements of paragraph (2)(iii) of the nonroad engine definition in 40 CFR Section 1068.30.	40 CFR Section 1068.101(b)(3)
Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; - the fabric filter or any of its components are found during the inspections to need repair. Corrective actions shall eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter.	Minn. R. 7007.0800, subps. 4, 5, and 14

TABLE A: LIMITS AND OTHER REQUIREMENTS

A-12 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Subject Item: CE 100 Fabric Filter - High Temperature, i.e., T>250 Degrees F**Associated Items:** EU 100 HMA Plant Drum

What to do	Why to do it
OPERATIONAL LIMITS	hdr
Operate in compliance with Minn. R. 7011.0917 all asphalt plant control equipment whenever the emission units controlled by the asphalt plant are operating. The Permittee shall document periods of non-operation of the control equipment.	Minn. R. 7011.0917, subp. 1; Minn. R. 7007.0800, subps. 2 and 14
Maintain the control device as designed to ensure compliance with the applicable requirements	Minn. R. 7011.0917, subp. 2
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 99 percent control efficiency	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200; Minn. R. 7007.0800, subps. 2 and 14
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 93 percent control efficiency	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200; Minn. R. 7007.0800, subps. 2 and 14
The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency for PM < 2.5 micron: greater than or equal to 93 percent control efficiency	Title I Condition: To avoid major source classification and modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; to avoid major source classification under 40 CFR Section 70.2 and Minn. R. 7007.0200; Minn. R. 7007.0800, subps. 2 and 14
Pressure Drop: greater than or equal to 2 inches of water column and less than or equal to 8 inches of water column or within the range recommended by manufacturer's specifications or within the operating parameters set by the commissioner as a result of the most recent PM performance test conducted under Minn. R. 7017.2001 to 7017.2060 if these are more restrictive.	Minn. R. 7011.0917, subp. 1; Minn. R. 7007.0800, subps. 2 and 14; Minn. R. 7017.2025, subp. 3
Visible Emissions: The Permittee shall check the fabric filter stack (SV 001) for any visible emissions once each day of operation during daylight hours. During inclement weather, the Permittee shall read and record the pressure drop across the fabric filter, once each day of operation.	Minn. R. 7007.0800, subps. 4 and 5
MONITORING AND RECORDKEEPING	hdr
Recordkeeping of Visible Emissions and Pressure Drop. The Permittee shall record the time and date of each visible emission inspection and pressure drop reading, and whether or not any visible emissions were observed, and whether or not the observed pressure drop was within the range specified in this permit	Minn. R. 7007.0800, subps. 4 and 5
Monitoring Equipment: The Permittee shall install and maintain the necessary monitoring equipment for measuring and recording pressure drop as required by this permit. The monitoring equipment must be installed, in use, and properly maintained when the monitored fabric filter is in operation.	Minn. R. 7007.0800, subp. 4
The Permittee shall operate and maintain the fabric filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.	Minn. R. 7007.0800, subp. 14
Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect the control equipment components. The Permittee shall maintain a written record of these inspections.	Minn. R. 7007.0800, subps. 4, 5 and 14
Thoroughly inspect all asphalt plant control equipment, including structural components annually. Record the date the activity was completed and any corrective action taken.	Minn. R. 7011.0917, subp. 2(A)
Inspect ducts, connections, and housings for leaks monthly. Record the date the activity was completed and any corrective action taken.	Minn. R. 7011.0917, subp. 2(B)
Record pressure drop once every calendar day of operation. Record the date the activity was completed and any corrective action taken.	Minn. R. 7011.0917, subp. 2(C)
Annually calibrate all asphalt plant control equipment monitoring equipment. Calibrate the pressure drop monitor annually. Record the date the activity was completed and any corrective action taken.	Minn. R. 7011.0917, subp. 2(D)
Check exterior cleaning system equipment and its operation daily. Record the date the activity was completed and any corrective action taken.	Minn. R. 7011.0917, subp. 2(E)

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-13**

06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Check interior cleaning equipment and its operation, and the clean air side of bags for evidence of leaks at least monthly. Record the date the activity was completed and any corrective action taken.	Minn. R. 7011.0917, subp. 2(E)
Operate in compliance with Minn. R. 7011.0917 the pressure drop gauge at all times the asphalt plant control equipment is required to operate.	Minn. R. 7011.0917, subp. 4
Install or make needed repairs to asphalt plant control equipment monitoring equipment prior to operation of any hot mix asphalt plant equipment controlled by the control equipment.	Minn. R. 7011.0917, subp. 3
<p>Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur:</p> <ul style="list-style-type: none">- visible emissions are observed;- the recorded pressure drop is outside the required operating range; or- the fabric filter or any of its components are found during the inspections to need repair. <p>Corrective actions shall return the pressure drop to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter.</p>	Minn. R. 7007.0800, subps. 4, 5, and 14

TABLE A: LIMITS AND OTHER REQUIREMENTS**A-14**

06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

Subject Item: FS 202 Unpaved Roads**Associated Items:** CE 200 Dust Suppression by Water Spray

CE 300 2 - 3 % Moisture Content

What to do	Why to do it
Vehicle Traffic speeds shall not exceed 10 mph on all facility roads or parking surfaces. The Permittee shall post the speed limit in a highly visible location near the facility entrance.	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080
The Permittee shall water the unpaved roads at the facility once every 12 hours (twice a day) when the plant is in operation. 0.25 inches of precipitation, or greater, may substitute for one watering.	Minn. Stat. Section 116.07, subds. 4a and 9; Minn. R. 7007.0100, subps. 7(A), 7(L), and 7(M); Minn. R. 7007.0800, subps. 1, 2 and 4; Minn. R. 7009.0010 - 7009.0080

TABLE B: SUBMITTALS

B-1 06/29/12

Facility Name: Central Specialties Inc - Plant 4
Permit Number: 99000269 - 002

Also, where required by an applicable rule or permit condition, send to the Permit Document Coordinator notices of:

- accumulated insignificant activities,
- installation of control equipment,
- replacement of an emissions unit, and
- changes that contravene a permit term.

Send submittals that are required to be submitted to the U.S. EPA regional office to:

Mr. George Czerniak
Air and Radiation Branch
EPA Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by parts 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Table B lists most of the submittals required by this permit. Please note that some submittal requirements may appear in Table A or, if applicable, within a compliance schedule located in Table C. Table B is divided into two sections in order to separately list one-time only and recurrent submittal requirements.

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue NW (6204N)
Washington, D.C. 20460

Send any application for a permit or permit amendment to:

Fiscal Services
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Unless another person is identified in the applicable Table, send all other submittals to:

AQ Compliance Tracking Coordinator
Industrial Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS**B-2** 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

What to send	When to send	Portion of Facility Affected
Testing Frequency Plan	due 60 days after Initial Performance Test for PM < 10 micron emissions. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on 12-month, 36-month, or 60-month intervals, or as applicable, shall be required upon written approval of the MPCA.	EU100
Testing Frequency Plan	due 60 days after Initial Performance Test for PM emissions. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on 12-month, 36-month, or 60-month intervals, or as applicable, shall be required upon written approval of the MPCA.	EU100
Testing Frequency Plan	due 60 days after Initial Performance Test for SO2 emissions. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on 12-month, 36-month, or 60-month intervals, or as applicable, shall be required upon written approval of the MPCA.	EU100

TABLE B: RECURRENT SUBMITTALS**B-3** 06/29/12

Facility Name: Central Specialties Inc - Plant 4

Permit Number: 99000269 - 002

What to send	When to send	Portion of Facility Affected
Semiannual Deviations Report	due 30 days after end of each calendar half-year following Permit Issuance. The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31. If no deviations have occurred, the Permittee shall submit the report stating no deviations.	Total Facility
Compliance Certification	due 31 days after end of each calendar year following Permit Issuance (for the previous calendar year). The Permittee shall submit this to the Commissioner on a form approved by the Commissioner. This report covers all deviations experienced during the calendar year.	Total Facility

APPENDIX B
Modeled Parameters
Facility Name: Central Specialties – Plant 4
Permit Number: 99000269-002

Stack Modeled Parameters – Point Sources									
(Stack requirements area state only permit condition and relate to the AERA only)									
Emission Stack/Vent ID SV	Emission Source ID	Description	SRCID	Stack Height (m)	Exhaust Temperature (K)	Exit Velocity (m/s)	Stack Diameter (m)	PM ₁₀ Emissions (lb/hr)*	SO ₂ Emissions (lb/hr)
100	EU100	HMA Plant Drum	CSSV100	12.19	405.37	17.27	1.72	21.38	111.27
200	EU200	HMA Plant Generator	CSSV200	4.72	716.48	32.34	.30	--	0.01
300	EU300	AC tank heater	CSSV300	3.66	513.15	4.07	0.26	--	0.30
301	EU401	Small Generator	CSSV400	4.724	644.26	73.79	0.08	--	0.40

Stack Modeled Parameters – Area Sources									
(Stack requirements area state only permit condition and relate to the AERA only)									
Emission Stack/Vent ID SV	Emission Source ID	Description	SRCID	Stack Height (m)	Exhaust Temperature (K)	Exit Velocity (m/s)	Stack Diameter (m)	PM ₁₀ Flux (g/s/m ²)	PM ₁₀ Emissions (lb/hr)*
NA	NA	Asphalt Plant IA sources	CSIA001	5.75	NA	NA	NA	6.76*10 ⁻⁴	1.61
200	EU200	HMA Plant Generator		4.724	716.483	32.340	.30.3	--	0.38
300	EU300	AC tank heater		3.658	513.15	4.070	0.26	--	0.33
301	EU401	Small Generator		1.219	644.26	73.790	0.08	--	0.43
NA	FS200	Asphalt Silo Filling		19.51	NA	NA	NA	--	0.25
	FS202	Asphalt Loadout		3.81	NA	NA	NA	--	0.23

* The emissions for the generator, AC tank heater and small generator are in the area source parameters table because they were modeled together as one area source instead of being modeled explicitly as point sources. This was done according to MPCA modeling guidance (10. Insignificant Activities, p. 27), which states: “Sources less than 0.1 lb/hr can be ignored for Title V modeling purposes, while sources greater than 2.28 lb/hr should be modeled explicitly. Second, all sources between 0.1 and 2.28 lb/hr should be consolidated into a single area source...”.

APPENDIX B
Modeled Parameters
Facility Name: Central Specialties – Plant 4
Permit Number: 99000269-002

Stack Modeled Parameters – Area Sources						
(Stack requirements area state only permit condition and relate to the AERA only)						
Emission Stack/Vent ID SV	Emission Source ID	Description	SRCID	Release Height (m)	PM ₁₀ Flux (g/s/m ²)	PM ₁₀ Emissions (lb/hr)*
NA	NA	Asphalt Plant Fugitive Sources	CSFS001	7.07	1.39*10 ⁻⁵	3.98
200	FS100	Material Handling	CSFS100	9.14	--	2.64
300	FS201	Haul Roads	CSFS400	2.98	--	1.34

APPENDIX C
Insignificant Activities and Applicable Requirements
Facility Name: Central Specialties – Plant 4
Permit Number: 99000269-002

Insignificant Activities and Applicable Requirements

The table below lists the insignificant activities that are currently at the facility and their associated general applicable requirements.

Minn. R. 7007.1300, subpart	Rule Description of the Activity	Likely Applicable Requirement
3(l)	<p>Individual emissions units at a portable source, each of which have a potential to emit the following pollutants in amounts less than:</p> <ol style="list-style-type: none">1. 4,000 lbs/year of carbon monoxide;2. 2,000 lbs/year each of nitrogen oxide, sulfur dioxide, particulate matter, particulate matter less than ten microns, volatile organic compounds (including hazardous air pollutant-containing VOC), and ozone; and3. 1,000 tons/year of CO₂e <p><i>Central Specialties Inc. Plant 3 has three asphalt cement storage tanks. Emissions from these tanks are not expected to exceed the listed thresholds.</i></p>	<p>Minn. R. 7011.1505 Minn. R. 7011.1510 Minn. R. 7011.1520</p>

In addition to the tanks listed above, Central Specialties Inc. Plant 3 has three fuel oil storage tanks with a combined capacity less than 100,000 gallons. These tanks are not required to be listed and are only mentioned for informational purposes only.