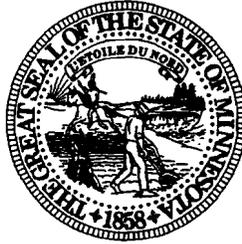


Attachment 3

Permit that serves as Joint Title I / Title V FESOP Document

Title I SIP Conditions Only



**AIR EMISSION PERMIT NO. 12300391- 002
IS ISSUED TO**

Lafarge North America

LAFARGE NORTH AMERICA-CHILDS ROAD TERMINAL

2145 Childs Road

St. Paul, Ramsey County, MN 55106

The emission units, control equipment and emission stacks at the stationary source authorized in this permit are as described in the following permit application(s):

Permit Type	Action No.	Application Date (s)	Issuance Date(s)
Total Facility Operating Permit (Title V)	001	September 15, 1997	Not Issued
Total Facility Operating permit (State)	002	April 13, 2006	See Below

This permit authorizes the Permittee to operate and construct the stationary 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 stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500, and any additions or changes to conditions incorporated into Minnesota's State Implementation Plan (SIP) under 40 CFR § 52.1220, designated "Title I: SIP for Particulate Matter Less than 10 microns (PM₁₀)" must go through the federal SIP approval process before becoming effective. Terms used in the permit are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

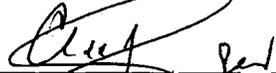
Unless otherwise indicated, all the Minnesota rules cited as the origin of the permit terms are incorporated into the SIP under 40 CFR § 52.1220 and as such are enforceable by U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

Permit Type: State; Limits to Avoid Pt 70/Limits to Avoid NSR; Title I SIP Conditions (PM₁₀)

Issue Date: November 17, 2006

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

Each new or revised condition designated "Title I Condition: SIP for PM₁₀" is not effective or enforceable until approved by EPA as a SIP revision under Title I of the Clean Air Act.


Richard J. Sandberg, Manager
Air Quality Permits Section
Industrial Division

for Brad Moore
Acting Commissioner
Minnesota Pollution Control Agency

TDD (for hearing and speech impaired only): (651) 282-5332

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**Appendix B: Title I Condition: State Implementation Plan (SIP) for PM₁₀ NAAQS
*Modeling Parameters Relied Upon To Demonstrate Compliance with NAAQS for
PM₁₀.***

NOTICE TO THE PERMITTEE:

Your stationary 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:

This permit is a Joint Title I/Title V Federally Enforceable State Operating Permit, as it includes non-expiring Title I Conditions to implement the State Implementation Plan (SIP). Pursuant to 40 CFR pt. 50, 40 CFR pt. 51, 40 CFR § 52.1220, Minn. R. 7007.0100, subp. 25B, and Minn. R. 7007.1050, subp. 4.

Lafarge North America (formerly known as Lafarge Corporation) owns and operates a portland cement distribution terminal next to the Mississippi River in Ramsey County, St. Paul, Minnesota. The facility currently operates six silos with pollution control equipment used for storage and distribution of cementitious products. The material is currently delivered by truck, stored in the silos, and distributed by truck.

Lafarge North America proposed to install and operate a new rail siding to re-initiate rail delivery of material to the silos, redesign the pneumatic conveyance system to allow dedicated use of two existing silos with new pollution control equipment for additional blended cementitious products.

The main sources of emissions are Particulate Matter (PM), and Particulate Matter less than 10 microns (PM₁₀). The permit limits the emissions of the facility such that the facility is classified as a non-major source under federal New Source Review (NSR, 40 CFR § 52.21) and federal Operating Program (40 CFR pt. 70). The facility is part of the SIP to reach attainment of PM₁₀ Ambient Air Quality Standards in the Ramsey County area. This permit will be submitted to U.S. Environmental Protection Agency (EPA) for inclusion into the SIP, and will replace the Administrative Order upon EPA approval.

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal
 Permit Number: 12300391 - 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
A. STATE IMPLEMENTATION PLAN (SIP) REQUIREMENTS	hdr
Process Throughput: less than or equal to 1,100 tons/day using 24-hour Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Process Throughput: less than or equal to 100,000 tons/year using 12-month Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<p>ACTIVITIES NOT REQUIRING A MODIFICATION TO THE SIP: The Permittee is authorized to make changes to the facility without obtaining a modification to the SIP as long as the change does not increase from any emission point, the PM10 emission rates (either lb/hr or gr/dscf) or overall PM10 emissions, or alter equipment or parameters described in Appendix B, which forms the basis of the PM10 modeling.</p>	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<p>Remodeling for Attainment Demonstrate: Before making any physical changes or changes to the method of operation which may affect parameters listed in Appendix B, the Permittee shall demonstrate to the MPCA that the PM10 plume dispersion characteristics following the physical change or change in method of operation will be equivalent to or better than the PM10 dispersion characteristics modeled using the parameters in Appendix B. The information submitted must include, at a minimum, the locations, heights, and the diameters of the stacks, locations and dimensions of nearby buildings, the velocity and temperature of the gasses emitted, and the PM10 emission rates.</p>	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<p>ACTIVITIES REQUIRING A MODIFICATION TO THE SIP: Activities requiring a modification of the SIP prior to the Permittee commencing the activity include, but are not limited to, the following: 1. Any decrease in stack emissions exit velocity; 2. Any decrease in the exit point heat content of stack emissions; 3. Any reduction in stack height below that contained in Appendix B; 4. Any increase in stack exit diameter above that contained in Appendix B; and 5 Any construction or modification of structures that increase the effective structural dimensions.</p>	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<p>General Operation and Maintenance Requirements for the SIP: The Permittee shall operate and maintain the process and control equipment described in Appendix B according to the parameters set forth in Appendix B. The parameters were used in the computer modeling performed to demonstrate that the Childs Road portion of the PM10 maintenance area will attain compliance with the PM10 NAAQS.</p>	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<p>Shutdown or Breakdown of Pollution Control Equipment: In an event of a shutdown or breakdown of pollution control equipment, the Permittee shall follow the shutdown and breakdown procedures found in Minn. R. 7019.1000.</p>	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<p>Construction and Operation of SIP Emission Units: The Permittee may begin actual construction of new emission units or modification to existing emission units upon permit issuance. However, the Permittee shall not operate any new emission unit or modified emission unit until any required SIP amendment is approved by EPA.</p>	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<p>Permanent Records for SIP: The Permittee shall permanently maintain the following information together with all amendments, revisions, and modifications to this information: 1. The Permittee shall maintain a file or files of information on the design, construction and operation of each emission facility, emission source, stack, structures pertinent to modeling for downwash, and any other information required to conduct PM10 ambient air quality modeling of emissions from the facility. 2. The Permittee shall maintain a file at the facility which includes all PM10 emission compliance demonstration plans which upon approval by the MPCA or EPA become integral and enforceable parts of the SIP.</p>	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP; Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

<p>Non-Permanent Records for SIP: The Permittee shall retain all records at the stationary source for a period of six (6) years from the date of the required monitoring, sample, measurement, or report that corresponds with a State Implementation Plan (SIP) Title I Condition include, but not limited to the following:</p> <ol style="list-style-type: none"> 1. Monitoring, Testing (if required by the Commissioner, and other Records); 2. Startup, Shutdown, Bypass and Breakdown for each piece of process equipment, control equipment, emission stack, and monitoring system; 3. Any exceedence of an emission limitation or opacity limitation and any noncompliance with an operational requirement at the facility; 4. All required documents, records, reports and plans in a form suitable for determination of the facility's compliance with the SIP by EPA or MPCA staff. <p>The Permittee shall maintain the information at the facility in files which are easily accessible of inspection by EPA or MPCA staff, and are available for inspection.</p>	<p>Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP; Minn. R. 7007.0800, subp. 5</p>
<p>Recordkeeping of Material Throughput:</p> <ol style="list-style-type: none"> 1. The Permittee shall calculate and record the material throughput every 24 hours of operation; and 2. The Permittee shall calculate and record the material throughput 12-month rolling average once a month. 	<p>Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP; Minn. R. 7007.0800, subp. 5</p>
<p>Reporting: The Permittee may undertake certain changes to the facility without obtaining a modification to the SIP. However, if the Permittee does make a change, and if the change in any way affects PM10 emissions (reduces the amount or changes the concentration, size, character, velocity, direction, or location of PM10 emissions) the Permittee shall notify the Commissioner in writing at least 30 days prior to undertaking the change. The notification shall describe the change and why it does not require a modification of the SIP.</p>	<p>Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP</p>
<p>Annual Report for SIP: due 30 days after end of each calendar year following Permit Issuance to the Commissioner. The report shall contain the following information: a record of data used in calculating PM10 emissions, and calculations of the PM10 emissions; a record of each unscheduled startup, shutdown, and breakdown of process and control equipment; a summary record of excess PM10 emissions, opacity exceedances and noncompliance with fugitive emissions requirements (or the Permittee shall state if no exceedances, and noncompliance conditions occurred in the calendar year).</p>	<p>Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP</p>
<p>B. OPERATIONAL REQUIREMENTS</p>	<p>hdr</p>

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

C. PERFORMANCE TESTING	hdr
D. MONITORING REQUIREMENTS	hdr
E. RECORDKEEPING	hdr
F. REPORTING/SUBMITTALS	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

Subject Item: EU 001 Pneumatic Conveyance to Material Storage Silo No. 1

Associated Items: CE 001 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

SV 001 Silo No. 1

What to do	Why to do it
A. EMISSION LIMITS	hdr
Particulate Matter < 10 micron: less than 0.25 lbs/hour using 24-hour Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Opacity: less than or equal to 20 percent opacity ,except for one six-minute period per hour of not more than 33 percent opacity. An exceedance of this opacity standard occurs whenever any one-hour period contains two or more six-minute periods during which the average opacity exceeds 20 percent or whenever any one-hour period contains one or more six-minute periods during which the average opacity exceeds 33 percent.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP; Minn. R. 7011.0105
B. OPERATIONAL REQUIREMENTS FOR POLLUTION CONTROL EQUIPMENT	hdr
Pressure Drop: greater than 2 inches of water column and less than 6 inches of water column during hours of operation	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Visible Emissions: The Permittee shall check the SV 001 associated with CE 001 for visible emissions when operating during daylight hours, on a daily basis.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
C. RECORDKEEPING REQUIREMENTS	hdr
Recordkeeping of Pressure Drop. The Permittee shall record every 24 hours, if in operation, the time and date of each pressure drop reading and whether or not the recorded pressure drop was within the range specified in this permit and take the appropriate corrective actions. If pressure drop range exceed the permitted limit, the Permittee shall report it as a deviation in the Company's semiannual report.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Recordkeeping of Visible Emissions: The Permittee shall record every 24 hours during operation the time and date of each visible emission inspection and whether or not any visible emissions were observed, and take the appropriate corrective actions. If visible emissions exceed the permitted limit, the Permittee shall report it as a deviation in the Company's semiannual report.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

D. MONITORING REQUIREMENTS	hdr
Operation and Maintenance of Fabric Filter: The Permittee shall maintain the fabric filter in proper operating condition. EU 001 shall not be operated unless the associated pollution control equipment (CE 001) is also operated at all times.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
E. REPORTING REQUIREMENTS	hdr
Submit: due 60 days after Notification of initial startup of pollution control equipment, the Permittee shall submit to the MPCA vendor certification of performance. If the certification is approved by the Commissioner, the certification will be acknowledged in writing by the Commissioner.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

Subject Item: EU 002 Pneumatic Conveyance to Material Storage Silo No. 2

Associated Items: CE 002 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

SV 002 Silo No. 2

What to do	Why to do it
A. EMISSION LIMITS	hdr
Particulate Matter < 10 micron: less than 0.25 lbs/hour using 24-hour Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Opacity: less than or equal to 20 percent opacity ,except for one six-minute period per hour of not more than 33 percent opacity. An exceedance of this opacity standard occurs whenever any one-hour period contains two or more six-minute periods during which the average opacity exceeds 20 percent or whenever any one-hour period contains one or more six-minute periods during which the average opacity exceeds 33 percent.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP; Minn. R. 7011.0105
B. OPERATIONAL REQUIREMENTS FOR POLLUTION CONTROL EQUIPMENT	hdr
Pressure Drop: greater than 2 inches of water column and less than 6 inches of water column during hours of operation	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Visible Emissions: The Permittee shall check the SV 002 associated with CE 002 for visible emissions when operating during daylight hours, on a daily basis.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
C. RECORDKEEPING REQUIREMENTS	hdr
Recordkeeping of Pressure Drop. The Permittee shall record every 24 hours, if in operation, the time and date of each pressure drop reading and whether or not the recorded pressure drop was within the range specified in this permit and take the appropriate corrective actions. If pressure drop range exceed the permitted limit, the Permittee shall report it as a deviation in the Company's semiannual report.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Recordkeeping of Visible Emissions: The Permittee shall record every 24 hours during operation the time and date of each visible emission inspection and whether or not any visible emissions were observed, and take the appropriate corrective actions. If visible emissions exceed the permitted limit, the Permittee shall report it as a deviation in the Company's semiannual report.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

D. MONITORING REQUIREMENTS	hdr
Operation and Maintenance of Fabric Filter: The Permittee shall maintain the fabric filter in proper operating condition. EU 002 shall not be operated unless the associated pollution control equipment(CE 002) is also operated at all times.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
E. REPORTING REQUIREMENTS	hdr
Submit: due 60 days after Notification of initial startup of pollution control equipment, the Permittee shall submit to the MPCA vendor certification of performance. If the certification is approved by the Commissioner, the certification will be acknowledged in writing by the Commissioner.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

Subject Item: EU 003 Material Storage Silo Nos. 3-6

Associated Items: CE 003 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

SV 003 Silo Nos. 3-6

What to do	Why to do it
A. EMISSION LIMITS	hdr
Particulate Matter < 10 micron: less than 0.84 lbs/hour using 24-hour Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Opacity: less than or equal to 20 percent opacity ,except for one six-minute period per hour of not more than 33 percent opacity. An exceedance of this opacity standard occurs whenever any one-hour period contains two or more six-minute periods during which the average opacity exceeds 20 percent or whenever any one-hour period contains one or more six-minute periods during which the average opacity exceeds 33 percent.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP; Minn. R. 7011.0105
B. OPERATIONAL REQUIREMENTS FOR POLLUTION CONTROL EQUIPMENT	hdr
Pressure Drop: greater than 2 inches of water column and less than 6 inches of water column during hours of operation	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Visible Emissions: The Permittee shall check the SV 003 associated with CE 003 for visible emissions when operating during daylight hours, on a daily basis.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
C. RECORDKEEPING REQUIREMENTS	hdr
Recordkeeping of Pressure Drop. The Permittee shall record every 24 hours, if in operation, the time and date of each pressure drop reading and whether or not the recorded pressure drop was within the range specified in this permit and take the appropriate corrective actions. If pressure drop range exceed the permitted limit, the Permittee shall report it as a deviation in the Company's semiannual report.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Recordkeeping of Visible Emissions: The Permittee shall record every 24 hours during operation the time and date of each visible emission inspection and whether or not any visible emissions were observed, and take the appropriate corrective actions. If visible emissions exceed the permitted limit, the Permittee shall report it as a deviation in the Company's semiannual report.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP

TABLE A: LIMITS AND OTHER REQUIREMENTS

A-10

11/17/06

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

D. MONITORING REQUIREMENTS	hdr
Operation and Maintenance of Fabric Filter: The Permittee shall maintain the fabric filter in proper operating condition. EU 003 shall not be operated unless the associated pollution control equipment(CE 003) is also operated at all times.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
E. REPORTING REQUIREMENTS	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

Subject Item: FS 001 Truck Loading Operations

Associated Items: CE 003 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

What to do	Why to do it
A. EMISSION LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.15 tons/year using 24-hour Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Particulate Matter < 10 micron: less than or equal to 0.15 tons/year using 12-month Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
B. OPERATIONAL REQUIREMENTS FOR POLLUTION CONTROL EQUIPMENT	hdr
Pressure Drop: greater than 2 inches of water column and less than 6 inches of water column during hours of operation	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Visible Emissions: The Permittee shall check CE 003 for visible emissions when operating during daylight hours, on a daily basis.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
C. RECORDKEEPING REQUIREMENTS	hdr
Recordkeeping of Pressure Drop. The Permittee shall record every 24 hours, if in operation, the time and date of each pressure drop reading and whether or not the recorded pressure drop was within the range specified in this permit and take the appropriate corrective actions. If pressure drop range exceed the permitted limit, the Permittee shall report it as a deviation in the Company's semiannual report.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Recordkeeping of Visible Emissions: The Permittee shall record every 24 hours during operation the time and date of each visible emission inspection and whether or not any visible emissions were observed, and take the appropriate corrective actions. If visible emissions exceed the permitted limit, the Permittee shall report it as a deviation in the Company's semiannual report.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
D. MONITORING REQUIREMENTS	hdr
Operation and Maintenance of Fabric Filter: The Permittee shall maintain the fabric filter in proper operating condition. EU 003 shall not be operated unless the associated pollution control equipment(CE 003) is also operated at all times.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP

TABLE A: LIMITS AND OTHER REQUIREMENTS

A-12

11/17/06

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

E. REPORTING REQUIREMENTS	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391 - 002

Subject Item: FS 002 Unpaved Road

Associated Items: CE 004 Dust Suppression by Chemical Stabilizers or Wetting Agents

What to do	Why to do it
A. EMISSION LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.30 tons/year using 24-hour Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Particulate Matter < 10 micron: less than or equal to 0.30 tons/year using 12-month Rolling Average	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
B. MONITORING AND RECORDKEEPING REQUIREMENTS	hdr
<p>Operation Restrictions for Unpaved Roadways: The Permittee shall apply the chemical dust suppressant calcium chloride (CaCl₂) or a substitute as approved by the Commissioner, to the unpaved roads at the Facility as follows:</p> <ol style="list-style-type: none"> 1. The Permittee shall apply CaCl₂ on all unpaved roadways at an initial rate of 1.5 pounds per square yard each April; 2. The Permittee personnel shall perform an inspection of the unpaved roadways each day. If the roadways need further dust suppressant applied, the Permittee shall apply CaCl₂ at a rate of 0.5 pounds square yard to those areas where fugitive dust is observed; 3. When there is no traffic on the unpaved roads or the facility is closed for the entire day, the Permittee does not need to perform daily inspections of the unpaved roadways; 	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<ol style="list-style-type: none"> 4. When the ground is frozen, no chemical dust suppressant needs to applied (approximately the calendar months of November through March); and 5. If the Permittee decides to use a dust suppressant other than CaCl₂, the Permittee shall first obtain written approval from the Commissioner. Upon receiving the MPCA approval, the Permittee shall apply the new dust suppressant according to the manufacturer's recommendations and any MPCA requirements set forth in the written approval. 	CONTINUED Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Visible Emissions: The Permittee shall check for visible emissions when operating during daylight hours, on a daily basis.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
Recordkeeping: The Permittee shall record visible emissions once every 24 hours during operation of the unpaved roads and record if additional dust suppressant was applied and how much was applied. If there is no traffic on the unpaved roads or the facility is closed for the entire day, the Permittee shall record that information on a daily basis.	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP
<p>Recordkeeping of Dust Application: The Permittee shall record the following:</p> <ol style="list-style-type: none"> 1. The day in April each year that initial application of dust suppressant was applied; and 2. The dust suppressant application equipment breakdowns and repairs. 	Title I Condition: State Implementation Plan (SIP) for PM10 NAAQS, 40 CFR pt. 50; 40 CFR pt. 51; 40 CFR pt. 52, subp. Y; MN SIP

Appendix B: Title I Condition: State Implementation Plan (SIP) for PM₁₀ NAAQS

Facility Name: Lafarge North America-Childs Rd Terminal

Permit Number: 12300391-002

PM₁₀ Point Source Modeling Parameters Relied Upon to Demonstrate Compliance with NAAQS

Source ID	EU, SV, CE	Source Description	Emission Rate		Location UTM NAD83		Base Elev (m)	Stack Height (m)	Stack Temp (K)	Stack Exit Vel. (m/s)	Stack Dia (m)
			g/s	lb/hr	X (m)	Y (m)					
SILO1	EU001; SV 001; CE 001	Silo No. 1 (new material)	0.0318	0.25	496283.1	4975465	213	25.6	293	9.7	0.305
SILO2	EU 002; SV 002; CE 002	Silo No. 2 (new material)	0.0318	0.25	496289.7	4975468	213	25.6	293	9.7	0.305
SILO3_6	EU 003; SV 003; CE 003	Silo No. 3-6 (fly ash)	0.1058	0.84	496279.2	4975480	213	31.09	293	31.35	0.309

PM₁₀ Volume Source Modeling Parameters

Source ID	FS	Source Description	Emission Rate		Location UTM NAD83		Base Elev (m)	Release Height (m)	σ_y (m)	σ_z (m)
			g/s	lb/hr	X (m)	Y (m)				
UNLOAD	FS 001	Silo Unloading and Truck Loading	4.25E-03	3.37E-02	496285.3	4975474	213	3	1.41	1.39
TRUCK	FS 002; CE 004	Fugitive Emissions from Truck Traffic	8.58E-03	6.81E-02	496285.3	4975474	213	1	11.4	0.85