



Permit No. 12300353-002

AIR EMISSION PERMIT NO. 12300353- 002

IS ISSUED TO

Lafarge Corporation - US Cement Group

Lafarge Corporation - Red Rock Terminal
1363 Red Rock Road
St Paul, Ramsey County, MN 551196012

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	Application Date
Total Facility Operating Permit	10/27/1997
Major Amendment	9/17/01

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. Terms used in the permit as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Permit Type: State; Syn Min Part 70

Issue Date: May 7, 2002

Expiration: Permit does not expire
All Title I Conditions do not expire.

Ann M. Foss
Major Facilities Section Manager
Major and Remediation Division

for Karen A. Studders
Commissioner
Minnesota Pollution Control Agency

BB:lh

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TABLE A: LIMITS AND OTHER REQUIREMENTS

03/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal
 Permit Number: 12300353 - 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
<p>Modeling for PM10: Any increase in PM10 emissions beyond modeled conditions associated with the emission units and stacks in the SIP shall be modeled at the new predicted PM10 emission rates to determine the impact on the NAAQS.</p>	<p>Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)</p>
<p>Remodeling for Attainment Demonstration: The Permittee shall submit to the Division Manager for approval any revisions of stack heights and other parameters relied upon in the modeling showing attainment with the PM10 NAAQS. The stack information submitted to the Division Manager shall include, at a minimum, the location and height of the stacks, nearby building dimensions, and the exit velocity and temperature of the gases emitted.</p> <p>The proposal shall be submitted no later than 90 days before beginning actual construction of the stack or associated emission unit.</p>	<p>Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan(SIP)</p>
<p>General Operating and Maintenance Requirements for SIP: The Permittee shall operate and maintain the process 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 Red Rock Road portion of the PM10 nonattainment area will attain compliance with the PM10 NAAQS.</p>	<p>Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)</p>
<p>Recordkeeping for SIP: Retain all records at the stationary source for a period of five (5) years from the date of the required monitoring or report that corresponds with a State Implementation Plan Title I Condition.</p>	<p>Title I Condition: Recordkeeping for the MN State Implementation Plan(SIP) for PM10 Requirements</p>
<p>Clamshell unloading system: The Permittee shall remove the clamshell unloading system by April 1, 1998.</p>	<p>Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)</p>
<p>Shutdown or Breakdown of Pollution Control Equipment: In the 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>	<p>Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)</p>

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: GP 001 Truck Traffic

Associated Items: FS 006 Paved road emissions from cement/employee traffic & wind erosion emissions□□

FS 007 Paved road emissions from cement truck traffic only

FS 008 Paved road emissions from cement truck traffic only

FS 010 Paved road emissions from cement truck traffic and employee parking lot

What to do	Why to do it
Truck Traffic: less than or equal to 19,800 trucks/year using 12-month Rolling Sum	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Truck Traffic: less than or equal to 190 trucks/day	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Monitoring of Truck Traffic: The Permittee shall record and maintain records on site of the truck traffic per day and 12-month rolling sum of total truck traffic on a monthly basis.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping of Truck Traffic: The Permittee shall record on a daily basis the number of trucks per day.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping of Truck Traffic: The Permittee shall record the 12-month rolling sum of truck traffic by the 15th day of each month for the preceding month.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: SV 001

Associated Items: EU 001 Pneumatic Unloading to Silos 1 & 2, Day Bin, Storage Dome

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.02 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Monitoring of pressure drop range: The Permittee shall observe and record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: **SV 002**

Associated Items: EU 002 Silos 1 & 2, Day Bin Storage Elevator

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.02 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Monitoring of pressure drop range: The Permittee shall observe and record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: SV 003

Associated Items: EU 003 Truck Loadout Spout 01

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.02 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Monitoring of pressure drop range: The Permittee shall observe and record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: SV 004

Associated Items: EU 004 Storage Dome (next to)

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.02 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Monitoring of pressure drop range: The Permittee shall observe and record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: SV 005

Associated Items: EU 005 Storage Dome (on top)

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.02 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Monitoring of pressure drop range: The Permittee shall observe and record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: SV 011

Associated Items: EU 011 Pneumatic Unloading System- Auxiliary Fabric Filter

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than 0.01 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Submit: due 30 days after 04/14/1998 vendor certification of performance. If the certification is acceptable, then the certification will be acknowledge in writing by the Division Manager.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and State Implementation Plan (SIP)
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping of pressure drop range: The Permittee shall record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: SV 012

Associated Items: EU 012 Truck Loadout Spout 02

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.02 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Submit: due 30 days after 04/14/1998 for Vendor Certification. If the certification is acceptable, then the certification will be acknowledge in writing by the Division Manager.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and State Implementation Plan (SIP)
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping of pressure drop range: The Permittee shall record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: SV 013

Associated Items: EU 013 Pneumatic Unloader Vacuum Pump

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.010 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping of pressure drop range: The Permittee shall record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)

TABLE A: LIMITS AND OTHER REQUIREMENTS

05/10/02

Facility Name: Lafarge Corporation - Red Rock Terminal

Permit Number: 12300353 - 002

Subject Item: SV 014

Associated Items: EU 014 Silo #4

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Particulate Matter < 10 micron: less than or equal to 0.010 grains/dry standard cubic foot	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Submit: due 30 days after 05/14/2002 vendor certification of performance. If the certification is acceptable, then the certification will be acknowledge in writing by the Division Manager.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and State Implementation Plan (SIP)
Pressure Drop: The Permittee shall submit to the Agency an operating range for the pressure drop for this pollution control equipment after the Permittee has accumulated 30 days of daily pressure drop readings but no later than 90 days after permit issuance. Upon approval by the Division Manager, it will become an enforceable part of the permit.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping of pressure drop range: The Permittee shall record pressure drop readings once per day, if in operation.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)
Recordkeeping: The Permittee shall record and maintain a monthly log of inspections of the baghouse filters and a description of any repairs or maintenance that took place.	Title I Condition: SIP for PM10 NAAQS 40 CFR pt. 50 and MN State Implementation Plan (SIP)