

LAFARGE PLANT OFFICES COEYMANS, NEW YORK

KEY PARAMETERS

- Type of Facility – Existing (EB)
- Function – Office Building located within a cement manufacturing facility
- Area – 3 story office building
- Project Completed – 2008

Challenge: Dust control within a three story office building located amid a limestone quarry and cement manufacturing facility. The company maintains a comprehensive fugitive dust control strategy and sustainability is also an ongoing initiative.



Solution: Dynamic V-Banks and Dynamic V8 Air Cleaning Systems. Dynamic V-Bank Air Cleaners were installed in outside air intakes and downstream of the V-Banks, Dynamic V8 Air Cleaning Systems were installed in the mixed air section unit of an existing 40,000 cfm air handling unit located in a penthouse atop the office building.

Additionally, the system was carefully sealed to prevent any air bypass and the filtration system



was sequenced with the air handling unit and tied into a new building control system.

Results: Effective dust control and state-of-the-art filtration for employees. In 2010 and for the sixth year in a row, the Lafarge Group was listed in the “Global 100 Most Sustainable Corporations in the World”. The Lafarge Group

places innovation high among its priorities, and places emphasis on products for sustainable construction and architectural creativity.



TEAM

- Owner – Lafarge North America
- Consultants – Trane, Latham, NY
- Mechanical Contractor – Colonie Mechanical Contractors, Inc.
- In-house Facility Manager – Brian Barnoski, Engineering Manager

MECHANICAL SYSTEMS

- HVAC – Existing Retrofit
- Building Controls – Trane Tracer Summit

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