

2003 WINNERS

OUTREACH

Lafarge North America Inc.—Fredonia, Kansas Plant

The Lafarge plant in Fredonia, Kansas demonstrated exceptional outreach during 2003. The plant established a community panel to discuss the company's plans, activities, and concerns—including environmental issues—with community members and local government officials. Another group, the Employee Green Team, oversees environmental projects, enhances awareness internally and externally, conducts wildlife inventories, and interacts with park and wildlife officials. They also hosted an environmental exploration day and a science camp for local students, as well as an Earth Day event for employees. Finally, the plant's annual open house had a strong environmental focus.

Runner Up:

Lafarge Canada Inc.—Bath, Ontario Plant

Finalists:

St. Lawrence Cement—Hagerstown, Maryland Plant

Lafarge North America Inc.—Sugar Creek, Missouri Plant

INNOVATION:

Lafarge North America Inc.—Paulding, Ohio Plant

The Paulding facility has developed a process by which steel slag is injected through a mid-kiln feeder. Once the environmental permit has been approved for this process, it will reduce emissions of nitrogen oxides (NOx) and carbon dioxide per unit of output. The plant has already achieved NOx reductions of 11 percent through mid-kiln injection of limestone.

Runner Up:

*Lafarge North America Inc.—Harleyville,
South Carolina Plant*

Finalists:

Lafarge North America Inc.—Alpena, Michigan Plant

Lafarge North America Inc.—Seattle, Washington Plant

ENERGY EFFICIENCY:

Mitsubishi Cement Corp.—Lucerne Valley, California Plant

Mitsubishi's facility demonstrated a commitment to energy management, planning, and efficiency that stood above the other entries. In 2003 the plant had a full-time energy manager who tracked usage and instilled management concerns throughout the facility. Specific efficiency projects include the installation of highly efficient fans and preheater exhaust ducts. The plant tracks greenhouse gas emissions and has achieved a reduction of eight percent of these emissions. Finally, Mitsubishi is an active participant in the EPA ENERGY STAR program and the California Large Energy Users' Association.

Runner Up:

Holcim (US) Inc.—Devil's Slide, Utah Plant

OVERALL ENVIRONMENTAL EXCELLENCE:

Lafarge North America Inc.—Alpena, Michigan Plant

The Lafarge plant in Alpena, Michigan presented a well-rounded application that warranted the best overall award. The plant was runner up in the environmental performance and land stewardship categories and was a finalist for the innovation award. In addition, they demonstrated laudable efforts in the outreach and energy efficiency categories.

Runner Up:

Lafarge North America Inc.—Paulding, Ohio Plant

Finalists:

Mitsubishi Cement Corp.—Lucerne Valley, California Plant

Lafarge North America Inc.—Davenport, Iowa Plant

CEMENT INDUSTRY ENVIRONMENT AND ENERGY AWARDS

3RD ANNUAL AWARD PROGRAM



**Recognizing Individual Facilities that
Exemplify the Spirit of Continuous
Environmental Improvement**

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Cement Americas Magazine

CEMENT INDUSTRY ENVIRONMENT AND ENERGY AWARDS

BACKGROUND

In 2000, as part of its renewed environment and energy strategic plan, the Portland Cement Association initiated a program designed to foster continuous environmental improvement in the U.S. cement industry. One element of the program is to recognize individual facilities that exemplify the spirit of continuous environmental improvement and back up this spirit with action.

PCA and Cement Americas Magazine presented the first Cement Industry Environmental Awards in 2002 to the winners for 2001. The awards program is open to any cement manufacturing plant in North America. The awards honor activities conducted during the previous calendar year. The judges for the awards represent independent groups such as PCA, Cement Americas Magazine, the Cement Association of Canada, World Resources Institute, the U.S. Environmental Protection Agency, and the World Wildlife Fund.

AWARD CATEGORIES—The Cement Industry Environment and Energy Awards are comprised of six award categories.

Environmental Performance—this category honors those facilities that take steps beyond those contained in environmental laws, regulations, permits and requirements to minimize their impact on the environment. Recognition for this award is given for pollution prevention, waste minimization, distinctive environmental controls, environmental management systems, and facility recognition.

Land Stewardship—efforts to protect and enhance the surrounding land through landscaping, species protection, and remediation and rehabilitation of quarries, wetlands, and other features are recognized in this category.

Outreach—facilities that strive to enhance community, employee, and government relations through communication, partnerships, voluntary efforts, contributions, and other measures are honored in this award.

Innovation—this category recognizes the development and application of innovation technologies and techniques relevant to environmental protection or energy efficiency.

Energy Efficiency—this category focuses on energy planning, applications of efficient technologies and practices, and climate change mitigation efforts are rewarded in this category.

Overall Environmental Excellence—a facility that demonstrates excellence in several or each of the above categories is recognized with this award.

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ENVIRONMENTAL PERFORMANCE

Lafarge North America Inc.—Seattle, Washington Plant

Lafarge's Seattle plant distinguished itself through exceptional control of air emissions and stormwater runoff. Because of high levels of rain in Seattle, the plant processes around 25 million gallons of stormwater each year. Almost all of this is recycled at the plant. In addition the plant uses alternative materials for over 30 percent of their raw feed. The plant has installed a comprehensive environmental management system (EMS) as part of the effort to achieve ISO-14000 certification. Finally, the plant has been recognized for its energy efficiency efforts by the City of Seattle. The Seattle plant was also a finalist in the Innovation category.

Runners Up:

Lafarge North America Inc.—Alpena, Michigan Plant
St. Lawrence Cement—Hagerstown, Maryland Plant

Finalist:

Lafarge North America Inc.—Paulding, Ohio Plant

LAND STEWARDSHIP:

Lehigh Cement Company—Mason City, Iowa Plant

Lehigh's Mason City plant conducted two major land stewardship activities in 2003. The first was a remediation of their former CKD pile. The site was engineered and covered with plants to prevent potential leaching to a nearby wetland. The second project was the reclamation of a pond that had previously been drained at the request of the state. The area has been graded for the development of a habitat featuring native prairie plants.

Runner Up:

Lafarge North America Inc.—Alpena, Michigan Plant

Finalist:

Lafarge North America Inc.—Paulding, Ohio Plant