



Environmental Stewardship Awards

The Lubrizol Corporation – Wickliffe

In 2010, The Lubrizol Corporation, Wickliffe facility received a Governor's Award for Outstanding Achievement in Environmental Stewardship. The award recognizes Ohio companies and organizations committed to environmental compliance and reducing pollution.

The Wickliffe facility is the site of the world headquarters of The Lubrizol Corporation and Lubrizol Additives. Lubrizol Wickliffe covers almost 90 acres; employs over 1,200 people; and is the location of one of the company's largest research, development, and testing facilities.

Resource Conservation

Lubrizol Wickliffe has seen continuous improvement in its overall recycling program since 1989, when formal tracking began. The program has expanded from an initial focus on office paper, to include 27 different items. Since 1989, the Lubrizol Wickliffe facility has recycled over 11,675 tons of solid wastes. During this time frame, this represents a yearly recycling average of 57 percent of the solid wastes generated at the facility.

Employee Involvement

Lubrizol employees are involved in a wide variety of environmental programs such as:

- Environmental Coordinators – Employees represent each of the operating groups and meet quarterly to share pollution prevention (P2) ideas, suggest environmental projects and receive environmental regulatory updates from the Environmental Assurance Manager.
- Responsible Care Management System (RCMS) Auditors – The facility has 13 auditors representing the various operating groups who perform audits of the RCMS program.
- The Great American Clean Up Day – Each year Lubrizol employees participate in cleaning up the local Route 2 highway ramps. In 2009, over 800 pounds of litter was collected.

Continuous Improvement

The Lubrizol Wickliffe Environmental Health Safety and Security (EHS&S) Policy states: "The Lubrizol Wickliffe Facility is committed to pollution prevention and continual improvement in health, safety, and environmental and security performance. We achieve this through our management system which includes setting clear and measurable goals and integrating EHS&S performance into our daily operations." Since 1998, the Lubrizol Wickliffe facility has continued to

Lubrizol Wickliffe is recognized for:

- Establishing waste minimization activities, allowing the facility to reduce its annual hazardous waste generation from 547 tons in 1996 to 321 tons in 2009.
- Establishing an orphan chemical exchange initiative, allowing the exchange of excess laboratory chemicals between industries and academic institutions in northeast Ohio in order to decrease the amount of chemicals that end up as waste.
- Establishing an Environmental Management Information System (EMIS), for the purpose of improving compliance with Title V air monitoring, record-keeping and reporting requirements, and emissions calculations for Lubrizol's U.S. based facilities.

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build its recycling program; it has implemented the RCMS, the Life Cycle Assessment (LCA) Program and energy savings programs, and developed and implemented two environmental information management systems. All of these activities show Lubrizol's commitment to continual improvement of environmental performance.

Environmental Management System

As a member participant in the American Chemistry Council's Responsible Care Program, The Lubrizol Corporation requires that each facility achieve the RCMS certification. The Lubrizol Wickliffe facility achieved certification in 2008. The RCMS program is an integrated health, safety, security and environmental management system based on the principles of Responsible Care and the Plan-Do-Check-Act continual improvement cycle. RCMS offers a structured approach to drive results in seven key areas: community awareness and emergency response; security; distribution; employee health and safety; pollution prevention; process safety; and product stewardship. Annual internal audits review each of the components of RCMS. Each department is audited and it is through this process that opportunities for improvement are recommended by the auditors and then acted upon by the department. At the end of the audit cycle, an RCMS Management Review is held and all of the observations made by the auditors are presented. At this time, best practices and opportunities for improvement are discussed and goals for next year are established.

Innovation

One project that Lubrizol Wickliffe has constructed is the "commercial vehicle electric test rig." This project will allow Lubrizol Additives to effectively develop, evaluate and demonstrate the fuel economy and durability of driveline (gear oil, transmission fluids) lubricants in commercial vehicle, light duty truck, automotive and farm tractor applications. The goal of this project is to build a highly flexible test stand capable of testing transmissions and axles from various equipment manufacturers using an electric motor, rather than a fired engine as the prime mover. An electric motor is inherently smoother running than an engine and when coupled with precision instrumentation and regenerative dynamometers enables accurate measurements of power losses, and thus, fuel economy/efficiency throughout a vehicle drivetrain. The rig is designed for maximum flexibility so as to allow for component durability testing as well as standard and non-standard testing.

For More Information

Lubrizol Wickliffe Facility, 29800 Lakeland Blvd., Wickliffe, Ohio 44092, Gregory A. Taylor, Environmental Assurance Manager, (440) 347-2810.

If you would like additional information about Ohio EPA's Encouraging Environmental Excellence (E3) Program, contact the Office of Compliance Assistance and Pollution Prevention (OCAPP) at 800-329-7518, or visit OCAPP's website at epa.ohio.gov/ocapp/ohioe3.aspx.