



State of Louisiana
 Department of Environmental Quality



July 10, 2002

M.J. "Mike" Foster
 Governor

Contact Analisa Mir for more information: (225) 763-5403; e-mail: analisam@deq.state.la.us

J. Dale Givens
 Secretary

**Governor Foster Recognizes
 Environmental & Community Leaders**

Governor Mike Foster recognized eight manufacturing facilities from across Louisiana for voluntarily implementing pollution prevention projects and community involvement programs under the Louisiana Environmental Leadership Pollution Prevention Program (LaELP). LaELP is a program designed to encourage pollution prevention and environmental improvement in Louisiana. The certificate awards were presented at the annual Governor's Environmental Leadership Awards ceremony on July 10 at the State Capitol.

In presenting the certificates, Governor Foster said, "The state has a responsibility to protect its citizens and enforce environmental laws. That task is made easier when industries take the initiative by pushing environmental performance beyond what those laws require."

Dale Givens, Secretary of the Louisiana Department of Environmental Quality (DEQ) declared, "Long-term environmental gains depend on the development of new concepts and in actively engaging communities in pollution control efforts. The ultimate goal of the LaELP is to encourage the business community to implement projects that will serve to preserve and protect our state's resources and, ultimately, the citizens of Louisiana." In addition, DEQ's top official expressed optimism by saying "The fact that the membership of LaELP continues to expand is very encouraging. It shows that companies from all manufacturing sectors recognize the importance of preserving the economic and environmental vitality of their community."

Many states use awards programs as an incentive to reward companies who adopt pollution reduction strategies. Over 30 states around the country have environmental awards or recognition programs, 22 of which are called the Governor's Awards. In all of these, the state environmental agency is closely involved. In Louisiana, any company or facility with an interest in improving the quality of the state's environment is eligible to join the LaELP at any time.

Before joining the LaELP, a company must commit to a set of environmental principles and standards and submit a pollution prevention plan containing voluntary waste reduction goals to the DEQ. Some of the guiding principles for aspiring members include giving top priority to minimizing impact on human health and the environment in regulatory and business decisions, implementing internal environmental management systems to encourage continuous improvements in environmental performance, using the waste management hierarchy (source reduction, recycling, treatment and disposal) as guidance for managing environmental issues and for optimizing processes, and engaging in proactive communication with neighbors and the larger community regarding environmental matters.

The program has been active since 1995 and has over 80 members.



State of Louisiana
 Department of Environmental Quality

July 10, 2002

M.J. "Mike" Foster
 Governor

Contact Analisa Mir for more information: (225) 763-5403; e-mail: analisam@deq.state.la.us

J. Dale Givens
 Secretary



**BASF Corporation - Geismar Production Facility
Geismar, Louisiana**

Aniline Recovery from Residue Project

More E-Information about the Leadership Awards Recipients

The BASF Corporation, Geismar Production Facility receives an Outstanding Pollution Prevention Achievement award for the installation of a wiped film evaporator (WFE) designed to recover 2,000 metric tons of aniline annually from a byproduct stream in the Aniline I and II units while reducing 6 million pounds of hazardous waste generation. Aniline byproduct containing 60-70 percent aniline is a regulated hazardous waste. Formerly the byproduct, known as aniline residue, was burned in the Aniline incinerator. With this plant modification the recovered aniline from the evaporator will be returned to the aniline distillation towers for purification. A secondary environmental benefit is the reduction in air emissions associated with burning of the aniline residue in the incinerator.

Contact: Eric Hillman: (225) 339-2034

Email: hillmac@basf.com

DUPONT DOW ELASTOMERS - PONTCHARTRAIN SITE

LaPlace, Louisiana

Hazardous Wastewater Elimination Project

A voluntary, comprehensive, multi-year Hazardous Wastewater Elimination Project became fully implemented in July, 2001. It eliminates injecting hazardous wastewaters into the Pontchartrain Site underground injection wells. After identifying all sources of hazardous wastewaters being injected into the onsite deepwells, site personnel systematically developed and implemented plans to eliminate each source of hazardous wastewater, and thus ceased injecting hazardous wastewaters into the deepwells. Examples of implemented plans included shutting down the onsite incinerator and transferring the feedstreams to the Hydrogen Chloride (HCl) Recovery Unit where chlorine and energy values of the waste are recovered; collecting residual spent solvents used in equipment cleaning and recovering energy values in the HCL Recovery Unit; eliminating through segregation and isolation hazardous waste in laboratory wastewaters; improving maintenance and inspection programs to eliminate to the extent possible all spills. This project, by phasing out hazardous wastewaters containing organic chloride, eliminates 420 million pounds annually of hazardous waste on-site deepwell injection.

Contact: Martin Guidry: (985) 536-4338

Email: R-Martin.Guidry@dupont-dow.com



State of Louisiana
Department of Environmental Quality



July 10, 2002

M.J. "Mike" Foster
Governor

Contact Analisa Mir for more information: (225) 763-5403; e-mail: analisam@deq.state.la.us

J. Dale Givens
Secretary

MARATHON ASHLAND PETROLEUM - LOUISIANA REFINERY DIVISION
Garyville, Louisiana
Spent KOH Recycling Project

The Alkylation process was modified to allow the refinery to send spent potassium hydroxide (KOH) to an offsite recycling plant instead of treating it on-site and discharging the neutralized wastewater to the Mississippi River. The recycling plant takes the spent KOH and passes it through the HARDTAC® process. The HARDTAC® process is an innovative recycling process developed by DuPont in which the spent KOH is recycled to produce two products - fresh potassium hydroxide (KOH) which is reused in the refinery's Alkylation Unit, and a synthetic fluorospar (calcium fluoride) which is used in the production of hydrofluoric acid. As a result of the project, Marathon Ashland Petroleum has recycled six million pounds annually of potassium hydroxide and eliminated the discharge of 235,000 pounds per year of fluoride to the Mississippi River.

Contact: Terry Persaud: (504) 535-7210
Email: tcpersaud@mapllc.com

LOCKHEED MARTIN SPACE SYSTEMS COMPANY,
MICHOUD OPERATIONS
New Orleans, Louisiana

Waste Reduction and Materials Recovery Project

Lockheed Martin Space Systems Company, Michoud Operations, operator of NASA's Michoud Assembly Facility (MAF) in New Orleans, receives a Pollution Prevention Achievement Award for their Waste Reduction and Materials Recovery Project. Materials of high economic value, such as scrap metals from production of the external fuel tank at MAF, have been recycled since the beginning of the Space Shuttle program. However efforts to divert other high volume recyclable materials from the waste stream have met with little success. Lockheed Martin decided to try a new approach, initiating an agreement with NASA to seek a partnership with a contractor/vendor who would be willing to operate onsite, collect the selected waste streams, and find markets for these wastes. The project was initiated in April 2000 with the Legacy Project, a small, woman-owned recycling company. Since that time more than 1.1 million pounds of wood, cardboard, paper and aluminum cans have been recovered from MAF waste and diverted from landfill disposal to a recycling center. A unique aspect of this project is that the vendor operations are being subsidized, offsetting labor costs and providing collection area space and equipment, to make their operations economically viable. These operating costs are more than offset by the savings from waste disposal costs and by environmental benefits, creating a win-win situation for Lockheed Martin, NASA, the Legacy Project and the environment.

Contact: Rebecca Jordan: (504) 257-3436
Email: Rebecca.Jordan@maf.nasa.gov



State of Louisiana

Department of Environmental Quality



July 10, 2002

M.J. "Mike" Foster
Governor

Contact Analisa Mir for more information: (225) 763-5403; e-mail: analisam@deq.state.la.us

J. Dale Givens
Secretary

INTERNATIONAL PAPER - PINEVILLE MILL

Pineville, Louisiana

Marketing Reclaimed Fiber as a Beneficial Product

In 2000, the Pineville Mill received a Beneficial Use permit to reclaim fiber from wastewater clarification. This stream represented the largest solid waste stream generated and was formerly sent to landfills for disposal. In recognition of the need to conserve valuable landfill space and to reduce long-term costs associated with waste disposal, the mill obtained approval from the Louisiana Department of Environmental Quality to reclaim and use fiber as a beneficial product. The reclaimed material meets the specifications of the Louisiana Department of Agriculture and Forestry for nitrogen, phosphorous, potassium, calcium and other ingredients that are beneficial to the soil. This project has significant impact on environmental stewardship in two distinct ways. 1) By attaining reclassification as a beneficial product, the material became exempt as a solid waste. Therefore, the reclaimed fiber in effect became a product and placed into commerce. The removal of the material from the solid waste stream saves up to 11,000 cubic yards of valuable landfill space annually. 2) The reclaimed fiber provides nutritional value to soil. Thus nutrients, such as nitrogen, phosphorous, potassium and calcium contained in fiber are now being returned to the soil from which they came, thereby completing the ecological cycle for such nutrients and enhancing future plant growth.

Contact: Mike Cook: (318) 441-4395
Email: michael.cook1@ipaper.com

MONSANTO COMPANY

Luling, Louisiana

Retrofit of Existing Conventional Glyphosate Process

The Monsanto Company receives an Outstanding Pollution Prevention Achievement Award for implementing a project that allows for greater production while using less natural resources and generating less waste. The project involved the retrofit of an existing production unit designed to improve the glyphosate manufacturing process. Benefits of using this new technology versus the old include reduction in TRI air emissions, a reduction of over 1.3 million pounds per year of landfill solid waste and a savings of 44 million gallons annually of water. This innovative approach of retrofitting will achieve the same benefits at other Monsanto glyphosate manufacturing facilities throughout the world.

Contact: Andrea Morrisard: (225) 785-3467
Email: andrea.p.morrisard@monsanto.com



State of Louisiana
Department of Environmental Quality



July 10, 2002

M.J. "Mike" Foster
Governor

Contact Analisa Mir for more information: (225) 763-5403; e-mail: analisam@deq.state.la.us

J. Dale Givens
Secretary

**PIONEER AMERICAS, INC
(Chlor-Alkali Manufacturing)
St. Gabriel, Louisiana**

DeNora Anode/Cell Top Conversion

Pioneer Americas, Chlor-Alkali Manufacturing Facility, receives a Pollution Prevention Achievement Award for incorporating new state-of-the-art technology in their chlor-alkali manufacturing process. The modification, known as the DeNora Anode/Cell Top Conversion, saves 85.5 million kilowatt hours annually, enough power to run the average home for 1,500 years. In addition to the energy conservation, this project reduces air emissions as well. The new cell top design and anode control system reduces cell openings for replacement of anodes by more than 60 percent; this significantly reduces total mercury emissions about 300 pounds per year. The project is one more step in Pioneer's integrated program to voluntarily reduce mercury usage 50 percent by year 2005. Progress made to date indicates that the 50 percent goal may be achieved earlier, perhaps as soon as end of year 2001. This project will enable Pioneer to go beyond the original commitment to reach an even greater reduction by 2005.

Contact: Dana Oliver: (225) 642-1863
Email: dsoliver@piona.com

**INTERNATIONAL PAPER - LOUISIANA MILL
Bastrop, Louisiana**

Black Bayou Refuge Environmental Education Center

The International Paper, Louisiana Mill receives the Outstanding Environmental Outreach Achievement award for their significant contribution to the creation and continuing development of the Black Bayou Refuge Environmental Education Center. The first phase of construction at the center was a 400-foot wooden boardwalk, handicap-accessible, fishing pier and observation deck on Black Bayou Lake that was constructed as a Partners for Wildlife Project between International Paper and the U.S. Fish & Wildlife Service. Installation of the new Environmental Education Center, an old plantation home, moved to the site and restored, will stand for years to come as a valuable resource not only to people of the area, but to everyone who has an interest in the outdoors and concern for the environment.

Contact: Kinny Haddox: (318) 556-1479
Email: Kinny.haddox@ipaper.com

###