

# McWane, Inc.

An American Ductile Iron Company

## BUY AMERICAN, BUY McWANE

McWane's products make up the backbone of vital water distribution and wastewater treatment systems throughout North America, dependably providing the U.S. with clean drinking water. McWane, a family-owned business based in Birmingham, Alabama, with 25 manufacturing plants and iron foundries throughout the United States, including operations in the states of Alabama, California, Indiana, Illinois, Iowa, New Jersey, New York, Ohio, Tennessee, Texas and Utah. The company is the nation's leading manufacturer of ductile iron pipe, valves, hydrants and fittings, and has been recognized as an innovator in protecting the environment as well as the health and safety of our company's 4,200 U.S. team members.

### WHY BUY AMERICAN

Millions of Americans rely upon funding for water infrastructure projects to protect their jobs, their families, and their water supplies. By using tax dollars to purchase products made overseas, our government rewards those companies who moved their operations, investment dollars, and jobs to foreign countries, where they can disregard environmental and safety regulations with impunity and where inefficient energy processes are the norm. Many of those foreign plants are operated without waste, air, and water pollution control systems, increasing the level of greenhouse gases and other pollutants that ultimately affect us all. Foundries in China or India generate significantly greater pollution for each ton of iron castings shipped compared to a foundry in the United States.

- More than 20 times the particulates (9.4 lbs per ton versus 0.4 lbs per ton);
- Almost 35 times more carbon monoxide (149.4 lbs per ton versus 4.4 lbs per ton);
- More than 5 times as much Sulfur Dioxide (SO<sub>2</sub>);
- Almost 3 times as much nitrogen oxides (NO<sub>x</sub>);
- Almost 20 times as much particulate matter (PM);
- China is the largest source of both SO<sub>2</sub> and carbon dioxide (CO<sub>2</sub>) in the world; and
- Three to five times more greenhouse gases.

In addition, as much as 25% of the particulate matter pollution in the air over Los Angeles can be traced back to China, and China's iron and steel industry now accounts for as much CO<sub>2</sub> emissions as the rest of the global iron and steel industry combined. Thus, support for Buy American is a vote for American jobs and the environment.

McWane remains committed to American industry, investing hundreds of millions of dollars to modernize its U.S. plants and make them safe, efficient, and compliant, thus preserving thousands of well-paying American jobs and the futures of many communities. McWane's dramatic improvements in the environmental, health, and safety arenas have made it a model for companies around the world. Leo W. Gerard, President of the

United Steelworkers of America, says, "Current safety practices at McWane are as good as or better than at any of its competitors." Federal District Judge Mary L. Cooper also observed, "A night and day difference has been accomplished, not by wishful thinking, but by determined and sustained effort at all levels. They are determined to continue to serve in all ways that they serve and to do everything they can to prevent environmental, health, and safety damage to anyone."

## BENEFITS OF DUCTILE IRON

Sustainability is an intrinsic feature of McWane's business. Our iron products are made from 100% recycled iron and steel scrap, and each year our foundries recycle almost 800,000 tons of scrap iron. In addition, our products are designed to last as long as 100 years, and they are also recyclable once retired from service.

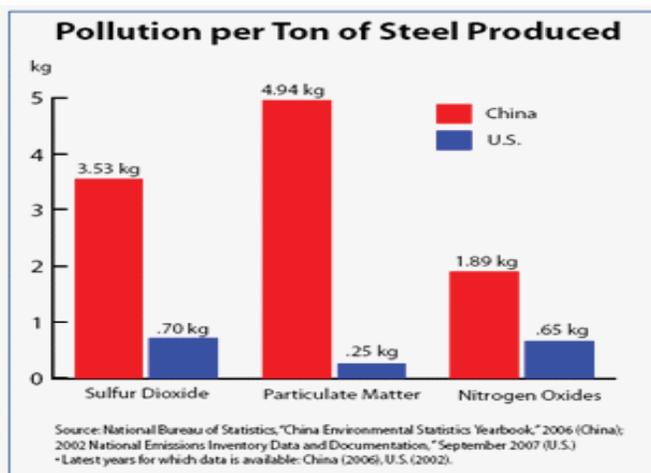
The company has also incorporated advanced environmentally beneficial practices into its manufacturing process, such as the capture, treatment, and recycling of rainwater and process water streams, which minimize the use of potable water and reduces discharges to the environment. Spent foundry sand is beneficially reused in construction and other applications. In addition, ductile iron pipe's superior durability protects drinking water from outside contamination, and ensures that sewage cannot exfiltrate into the environment.

## ENVIRONMENTAL, HEALTH, & SAFETY SUCCESS

McWane's approach to environmental, health, and safety management is based upon proactive management commitment, beyond-compliance requirements, strategic EHS programs, an ethical corporate culture, and total employee involvement. McWane's centrally coordinated Environmental, Health, and Safety (EHS) Management System is the centerpiece of this effort. Based on the principles of the internationally recognized ISO 14001 and OHSAS 18001 standards, it ensures that our operations are conducted in a safe, sustainable, environmentally friendly manner. Features of McWane's EHS program include:

- Spending more than \$350 million on EHS improvements since 1999.
- Employing a system of internal and third-party audits and inspections to ensure continual improvements.
- Adding more than 120 new EHS and HR positions since 1999.
- Utilizing Nationally known safety and environmental experts, including two former OSHA administrators and a former EPA deputy administrator, to develop and implement programs.





\*Courtesy AAM



- Integrating the human resources function with EHS to ensure that our commitment to compliance is a prominent part of the company's culture.
- Creating effective training for all employees, including a 40-hour program with the United Steel Workers of America. Active participation in the National Safety Council, the U.S. Green Building Council, and many other safety and environmental advocacy groups.
- *Drastically improving safety rates.* Since 2002, McWane's TRIR (Total Recordable Incident Rate) for its U.S. facilities has improved (declined) by **62%**, the DART (Days Away/Restriction/Transfer) by **43%**, and DAFW (Days Away From Work) by **59%**. *Our foundry averages are **39.4%** below the industry average for TRIR, **39.3%** below for DART, and **32%** below for DAFW.*

## MCWANE AWARDS

- As of 2012, McWane has had seven sites qualify for OSHA's Voluntary Protection Program (VPP), which recognizes exemplary health and safety programs (less than 1% of all worksites in the U.S. qualify). Our goal is 100% participation. No other company in the waterworks foundry industry has a single plant in the VPP program.
- In 2012, Clow Water received the AFS Millionaires Safety Award. To qualify for this award, a foundry must achieve 1,000,000 man-hours without incurring an occupational injury or illness resulting in days away from work..
- In 2011, U.S. Environmental Protection Agency (EPA) awarded McWane, Inc's AB&I subsidiary its National Partnership for Environmental Priorities Award in recognition of their long-term commitment to maintaining environmentally responsible manufacturing processes.
- In 2009, Clow Valve in Oskaloosa, Iowa, won the 2009 Ergo Cup award for its successful ergonomic solutions, besting The Boeing Company, Bridgestone/Firestone, and GE Energy.

- In 2009, Birmingham Business Journal honored McWane President G. Ruffner Page, Jr. as its Green Business Leader of the Year.
- In 2008, Phillipsburg's Atlantic States Cast Iron Pipe Co. received the New Jersey Environmental Stewardship Award. This facility also garnered exemplary scores from third-party safety audits conducted by ESIS/South Star for the prior three years. There have been no OSHA citations at this plant since September 2005, and Atlantic States received the 2008 award for Best Performing EHS Program at McWane.
- In 2008, Manchester Tank in Elkhart completed its first year of membership in the Indiana Department of Environmental Management's Environmental Stewardship Program (ESP).
- In 2008, Birmingham's McWane Pipe received the Cahaba River Society's Blue-Green Design Innovation Award in recognition of its successful storm/process water recycling system.
- In 2007, the Utah Department of Environmental Quality gave Pacific States Cast Iron Pipe Co. an Outstanding Achievement in Pollution Prevention Award, and the Provo/Orem Chamber of Commerce named it Business of the Year.
- In January 2006, Atlantic States became the first foundry in North America to apply control technology to substantially limit mercury emissions. The new technology reflects an investment of more than \$9 million. Atlantic States has surpassed compliance with standards set by the EPA under the Clean Air Act, and met New Jersey Department of Environmental Protection mercury regulations far ahead of its compliance date of January 2010.



**For Generations**