



POLLUTION PREVENTION SERVICES

**Air & Waste Management Association
3rd Annual Iowa Environmental Conference
October 27, 2017**

Working together to achieve
economic and environmental results

www.iowap2services.com

Pollution Prevention Services

- Environmental technical assistance
- Confidential
- Non-regulatory
- Our clients: Iowa businesses, institutions, government agencies



P2 Services Assistance Areas

- Water conservation
- Water treatment
- Energy conservation
- Renewable energy
- Solid / special waste
- Chemical reduction / reuse
- Environmental Management Systems

Implemented Measurable Results

Since 2001, we've saved clients...

- \$84.4 million
- 3.73 billion gallons water
- 230,000 tons solid and special waste
- 8,645 tons hazardous waste
- 42,817 grams mercury abated
- 390.8 million kWh
- 10.6 million therms



Benefits of Pollution Prevention

- Reduces costs
- Reduces risk
- Assists in meeting environmental regulatory requirements
- Improves image

P2 Profile: CURRIES

The logo for CURRIES, featuring a stylized 'C' icon followed by the word 'CURRIES' in a bold, sans-serif font with a registered trademark symbol.

The logo for ASSA ABLOY, featuring the words 'ASSA ABLOY' in a bold, sans-serif font.

- Located in Mason City
- Manufacturer of non-residential steel and Fiberglass Reinforced Polyester doors and steel and aluminum frames
- ISO 14001 certified

P2 Profile: CURRIES

- 2015 project focus: water and energy conservation
- Identified opportunities:
 - Re-plumbing of frame washer
 - Install oil separator
 - RO system
 - VFDs on washer pump motors
 - VFD on air knife system

Total Savings:	\$127,379

<i>Implemented:</i>	<i>\$68,316</i>
<i>Recommended:</i>	<i>\$59,063</i>



P2 Profile: CURRIES

- 2017 project focus: hazardous waste reduction
- Identified opportunities:
 - Solvent replacement
 - Solvent contaminated wipe exemption application
 - Distillation of waste
 - Dry-off oven adjustment
 - Auto-idling system adjustment

Total Savings:	\$43,079

<i>Implemented:</i>	<i>\$17,639</i>
<i>Recommended:</i>	<i>\$25,440</i>



P2 Intern Project Index

2001-2016 Pollution Prevention Intern Project Index

Client	Alternative Energy Sources	Boiler Efficiency	Compressed Air Efficiency	Emission Reductions	Energy Savings	Heat Recovery	HVAC Efficiency	Refrigeration System	Lighting	Hazardous Waste Reduction	Waste Disposal Reduction	Water Reduction	Water Treatment	Process Improvements	Organics Waste Management
3M Knoxville			2009		2008 2009 2011	2008	2011			2012	2012				
Acument Global Technologies (formerly Textron & Infastech™, now Stanley Engineered Fastening)					2007 2008 2009	2008					2009	2007 2008		2009	
Advanced Brands, L.L.C.												2003	2003	2003	
Ag Bio-Power, LC											2005			2005	
Alcan Packaging			2006		2006						2006				
Alcoa, Inc				2007							2003 2007 2016			2001 2016	
Allen Memorial Hospital					2009					2009	2009	2009		2009	
Alliant Energy				2002 2003										2002 2003	
Amana (Maytag Refrigeration)													2004	2004	
American Ordinance, LLC			2004								2002				

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All P2 Intern Case Summaries can be found at www.iowap2interns.com.

Questions?

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