

A close-up, black and white photograph of several interlocking gears. The gears are made of a textured material, possibly metal or plastic, and are arranged in a way that shows their teeth meshing together. The lighting creates strong highlights and shadows, emphasizing the three-dimensional nature of the gears.

POLLUTION PREVENTION SERVICES

Working together to achieve
economic and environmental results

Our Service

- Confidential
- Non-regulatory
- No cost



Client Base

- Business & Industry
- Institutions
- Government Agencies
- Toxic Release Inventory Reporters
- RCRA Large Quantity Generators
- Large Energy Users



Services Offered

Assistance focused on our client's needs

- **Assessments**

- Opportunity
- Focused
- Process waste generation
- Building or grounds

- **Energy**

- Compressor Utilization
- HVAC Efficiency
- Lighting Effectiveness
- Boiler utilization
- Thermo-graphic analysis

- **Water**

- Water conservation and reuse
- Wastewater treatment

- **Waste**

- Hazardous and Solid waste generation

- **Pollution Prevention Intern Program**

- **EMS Assistance**

- **Workshops and Training**



Intern Program Results

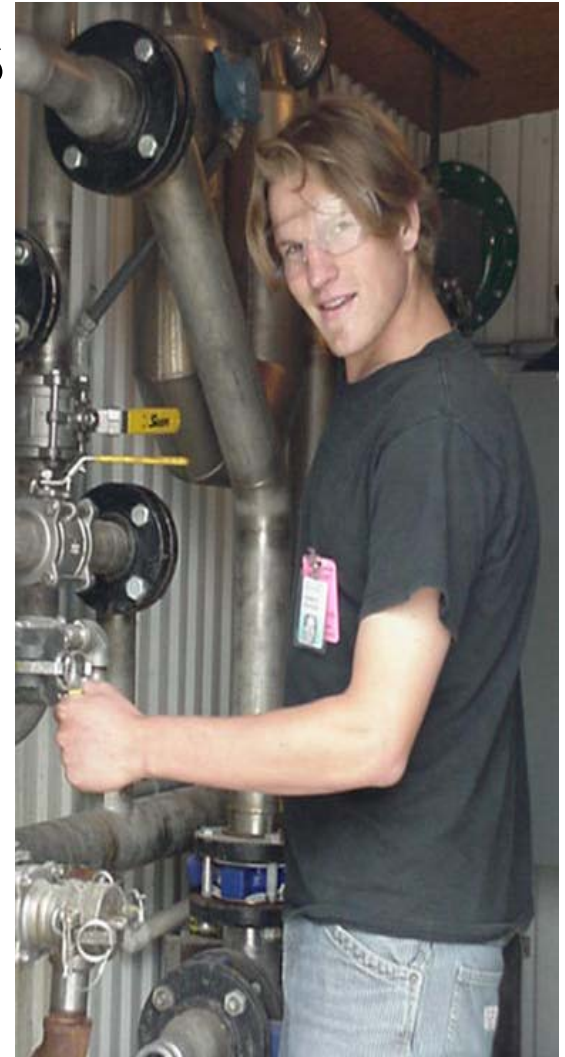
2008 Implemented Results

- Over \$1.5 million **implemented** annual cost savings
- 12.8 million gallons of water conserved
- 581 tons of solid waste reduced
- 95,850 gallons of hazardous waste reduced
- 4.2 million KWh saved
- 479,000 therms saved

Intern Program Results

2008 Recommended Results

- Over \$3.5 million recommended (not yet implemented) savings
- 19 million gallons of water
- 20,740 tons of special & solid waste
- 67,521 gallons of hazardous waste
- 25,388 grams of Mercury
- 3.5 million KWh
- 1.7 million therms



Intern Program 2008

- 22 Interns
- 2008 Case Summary booklet contains report of first 6 month intern from 2007
- 2 are 6-month interns and will report in November
- 2 audited previous assessments

Intern Program Cumulative Implemented Results

2001 - 2008

- \$54.3 million **implemented** cumulative cost savings
- 1 billion gallons of water conserved
- 111,000 tons of special and solid waste
- 942,000 gallons of hazardous waste
- 42,802 grams of mercury abated
- 221.5 million kWhs conserved
- 2.2 million therms conserved

Intern Program 2009

- New business deadline – November 15, 2008
- Marketing throughout the year starting November 16, 2008
- Commit to students in the fall
- Produce Case Summary Booklets before first student career fairs September 22

Iowa Strategic Goals Program

Hazardous Waste Management: Practical Advice to Avoid Common Violations” Workshop

- May 1, 2008
- Speaker: Jim Aycocock, EPA Region 7
- 57 registered



Iowa Strategic Goals Program

Topic suggestions for future workshops:

- Cross contaminates/hazardous & non-hazardous
- Air emissions or water/wastewater/stormwater
- Powder coating
- More on the LQG regulations
- Waste generation reduction
- Spray painting
- Cover training requirements in more detail
- New NESHAP regulations
- Similar material, maybe not so specialized

Department Sustainability Plan

- One intern was hired to assist the Conservation & Recreation Division in developing a prioritized list of Aspects and Impacts.
- Conducted on-sites to two State Parks
- Developed a survey tool to assist Parks Supervisors in identification and prioritization
- Developed list of various sustainability ideas/projects



Hospitals for a Healthy Environment Workshop

- October 8 - Nebraska Medical Center
- 67 participants
- National Speakers
 - John Saams – “Energy Smart Hospitals” & “Energy Efficiency Quick Wins for Existing Hospitals”
 - Charlotte Smith – “Pharmaceutical Waste Management”




Disaster Recovery Conference

- Due to this year's tornado and flooding events
- December 9 and 10 at the Coralville, IA Marriott
- Three concurrent tracks:
 - Natural Disaster Recovery
 - Regulatory Compliance
 - Sustainability Green Design
- Featured speakers:
 - Bob Dixon, Greensburg Mayor
 - Parris Glendering, Smart Growth Leadership Institute

mark THE date

The Iowa Disaster Recovery Conference and Community Design Workshop
December 9-10 Conference
December 11 Workshop (optional)
Marriott Coralville Hotel & Conference Center



LEARNING FROM THE PAST PLANNING FOR THE FUTURE
The Iowa Disaster Recovery Conference

who should attend:
Architects, engineers, contractors, businesses, industries, city, county and community leaders and consultants



conference highlights:
In response to communities devastated by the 2008 Iowa natural disasters, this two-day conference and optional third day workshop will provide an overview of critical regulatory issues, highlight community rebuilding efforts and offer sustainable rebuilding resources including information on green design.

December 9-10
Marriott Coralville Hotel & Conference Center
highlights:

- Learn from the experience of those impacted by natural disasters, their recovery, the regulatory issues involved, the rebuilding process, and an exploration of strategies to consider prior to reconstruction
- Three concurrent breakout session tracks: Natural Disaster Recovery, Regulatory Compliance and Sustainability/Green Design
- Presentations include: the Reality of Planning for Disasters, Flooding Impacts on the Infrastructure, Dealing with Waste Disposal, Asbestos Requirements, Mold Remediation, Stormwater Best Management Practices, Brownfield, Flood Plan Mitigation and Where Do We Go From Here: Planning for the Future.

keynote speaker: Mayor Bob Dixon of Greensburg, Kansas and Parris Glendering, President, Smart Growth Leadership Institute.

optional program on December 11: Community design workshop led by design professionals including the American Institute of Architects (AIA), the American Planning Association (APA), the American Society of Landscape Architects (ASLA) and the US Green Building Council (USGBC). The workshop will apply the issues discussed in the first two days of the Disaster Recovery Conference, exploring sustainable strategies for communities to use as a road-map for reconstruction efforts.

hosted by: IOWA life | changing   

sponsorship: Opportunities to sponsor this conference are available. Please visit <http://www.iowalifechanging.com/register> for benefits and information.

hotel accommodations: A block of guest rooms at a special conference rate is now being held at the Marriott Coralville Hotel. Deadline to make a reservation in the room block is November 24, 2008. For reservations, please contact the hotel directly at 1.866.204.0539 or 319.688.4000 and mention the 2008 Disaster Recovery Conference.

conference agenda and registration are available at: www.iowalifechanging.com/register.

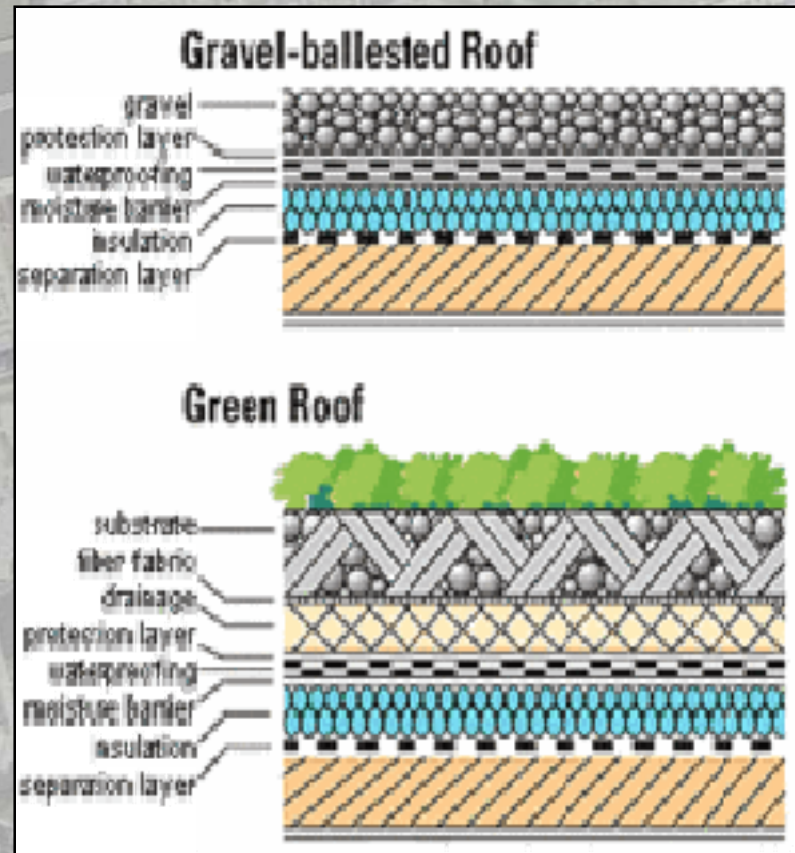
IOWA
life | changing
IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT
200 East Grand Ave.
Des Moines, IA 50309
www.iowalifechanging.com

PRESORTED FIRST-CLASS MAIL
U.S. POSTAGE PAID
Des Moines, IA
Permit No. 1195

What are Green Roofs?

Definition from Wikipedia

- ✓ A **green roof** is a roof of a building that is partially or completely covered with vegetation and soil, or a growing medium, planted over a waterproofing membrane.



Contact

Jeff Fiagle

Iowa Department of Natural Resources

Wallace State Office Building

502 E. 9th Street

Des Moines, IA 50319

515/281-5353

Jeff.Fiagle@dnr.iowa.gov

www.iowap2services.com