A to Z of Sustainability

First Look at Practice Greenhealth’s Awards Benchmark Report

Janet Brown
Director of Facility Engagement
Practice Greenhealth
Practice Greenhealth: Engage, Motivate and celebrate environmental excellence in health care

*Practice Greenhealth is the nation's leading membership organization leading the greening of healthcare to improve the health of patients, staff, and the environment. Members include hospitals, healthcare systems, clinics, healthcare professionals, businesses and other stakeholders committed to sustainable eco-friendly practices.*
Learning Objectives

- What is sustainability in health care?
- Practice Greenhealth’s first Awards Metric Report
- Trends in health care environmental management
- Resources for trends
- See where your facility measures up on the greening spectrum
- Identify environmental activities for your site.
What is Sustainability?
Three goals of “healing environments”

“A better building is one that facilitates physical, mental, and social well-being and productive behavior in its occupants”

Reduce stress of the building’s occupants
- Connection to nature (daylight/ views)
- Choice & Control (light and ventilation)
- Social Support (program areas)
- Positive Distractions (views/ program)
- Elimination of Environmental Stressors (noise)

Improve Safety
- Improved Indoor Air Quality
- Supportive Lighting Design/ Reduced Glare

Contribute to Ecological Health
- Healthier Materials
- Reduce Energy and Water Use
What is your role in creating Healing Environments?

- Perspectives on healing
- Respectful work environments
- Connection between human and environmental health
- Mission Demonstration
How do hospitals find their way down the sustainability path?

• Raising pharmaceutical costs
• Medicare and Medicaid Reductions
• Joint Commission Coming!
• Cost Cutting
• Competing Agendas
• Space constraints
• Time constraints
• No budget
• Who’s in Charge
Where is your institution?

Just getting Started.....

Committed to Green
PGH Benchmark Report

- Based on data from 2009 Partner for Change Award Applications
- 60 Award Pool
- Represents engaged facilities, not a typical hospital
- Authored by Lin Hill, Awards Coordinator
- Membership Benefit
Data Pool

- 60 partner for change applications
- Range – 17 to 1168 beds
- Average 334 beds per facility
- Members of PGH
- Recycle or prevent 10% of waste stream
- Started on mercury
- Several programs underway
- ELAs and PRs not included
- 1/3 located east coast, 1/3 midwest, 1/3 west
• Void in the marketplace of health care specific green building tool
• Core content transfer from existing tools (e.g., LEED®) but need to tailor for healthcare
• Explicit health-based focus
• Sensitivity to an over-regulated sector → voluntary best practices with no certification thresholds
• Reinforces integrated design as essential
• Bridges design & construction with operational considerations

www.gghc.org
Resource:

<table>
<thead>
<tr>
<th></th>
<th>Integrated Design</th>
<th>Sustainable Sites</th>
<th>Water Efficiency</th>
<th>Energy &amp; Atmosphere</th>
<th>Materials &amp; Resources</th>
<th>Indoor Environmental Quality</th>
<th>Innovation</th>
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<td>3 - 19</td>
<td>2 - 24</td>
<td>2 - 22</td>
<td>11 - 94</td>
</tr>
</tbody>
</table>
1 – Integrated Operations
2 – Sustainable Sites Management
3 – Transportation Operations
4 – Facilities Management
5 – Chemical Management
6 – Waste Management
7 – Environmental Services
8 – Food Service
9 – Environmentally Preferable Purchasing
10 – Innovation in Operation

www.gghc.org
Who leads Sustainability at your site?
What is a Sustainability Coordinator?

- Skill sets
- Job tasks
- Experience
- Attitude
Do you have the eco structure in place?
Environmental Stewardship: A Cultural Shift

- Commitment from the top-down and bottom-up
- Key ingredients:
  - Leadership
  - Coordination
  - Communication
  - Education
  - Accountability
Resource: GGHC
Integrated Operations & Education

- Prerequisite 1 Goals
  - Implement a cross discipline approach in Operations and Maintenance Decision-making and implementation to ensure safe and healthful environmentally sensitive materials and methods.
    - Process Development
    - Diverse Team Approach
    - Continuous environmental improvement process
    - Health Mission Statement

Create a culture of environmental excellence!
Strategy for Sustainability

• Make a Commitment, Leadership support
• Form a Multi-Disciplinary “Green” Team
• Identify Structure for facility and within larger system.
• Assess, Inventory, measure baseline
• Set Priorities through Sub Committees:
  – Purchasing/Supply Chain
  – Built Environment/Renovations
  – Transportation
  – Landscape, Grounds
  – Utilities Management & Sourcing
  – Waste/Material Management
  – Community Benefit
  – Patient Experience/Healing Environments
• Measure, Report and Recognize Success, Awards, Events, Communication
Resource

The Business Case for Greening the Health Care Sector

Report prepared by the Institute for Innovation in Large Organizations

Safer Materials
Waste Reduction
Green Building
Climate Change Action

Signature: Practice Greenhealth
Principles of Environmental and Recycling efforts

As a responsible and innovative member of the community, Boulder Community Hospital is dedicated to protect and preserve the environment. Boulder Community Hospital will protect the environment by pursuing self-reflection-based practices consistent with the following principles:

1. We must make intentional environmental improvements.
2. We must encourage recycling of any materials used within the hospital.
3. We must ensure that all materials are disposed of in a safe and responsible manner.
4. We must evaluate and improve the energy consumption of the hospital.
5. We must evaluate the use of resources in a sustainable fashion.
6. We must ensure that all wastes are managed in a sustainable way.

Statement of Environmental Principles

We, Sustainable Hospital (BCH), are committed to create a healthy, eco-friendly, and sustainable environment for patients, staff, and visitors. BCH is committed to achieving the following goals:

1. We will reduce our environmental impact by reducing waste, conserving energy, and improving our overall environmental performance.
2. We will implement sustainable practices in all areas of our operations.
3. We will educate and engage our employees and patients in sustainable practices.
4. We will monitor and report our progress towards achieving these goals.

For more information, contact:

BCH Board of Directors, May 30, 2001
Boulder Community Hospital

Make a Commitment

http://www.practicegreenhealth.org/tools/toolkit
Green Team Development

- Administration
- Nursing/Clinical Staff
- Engineering
- Facility Management
- Environmental Services
- Food Services
- Infection Control
- Laboratory
- Marketing/Public Relations
- Pharmacy
- Materials Management
- Risk Management
- Safety
Sample Green Team Reporting Structure within a Multi-Hospital System
System Resource Teams
Represent specific areas of specialization that are centralized within the system. This allows us to make changes with a broad impact and depth. Supply Chain is not only supporting the changes we aspire to within each hospital, but is increasingly leveraging our volume for market transformation.

Hospital or Medical Center Green Teams
Are composed of a cross-functional group of team members to help troubleshoot, create and implement projects at their specific campus. Chairs of the teams report to the monthly System Green Team meetings and track/share data with the system.

Typical Team Members Include:
- Nursing
- Materials Handling
- EVS
- Physicians
- Compliance
- Infection Control
- Facilities Management
- Employee Communications
- Enthusiastic Employees

Office for a Healthy Environment
Project concept and execution, data tracking, employee/community education, sustainability reporting, website, newsletter, and change management. Oversees network of Green Teams.

System Green Team
System Green Team meets monthly to share best practices, develop new project ideas, track and share results and implement system-wide changes.

Executive Sustainability Advisory Team
Senior Executive Team guides OHE in priority setting and project development. Structure includes structured meetings as a group as well as targeted or ad-hoc meetings to focus on collaborative projects. Key advisors include Executive Administration, Chief Financial Officer, Chief Marketing Officer, Chief Community and Diversity Officer, Executive Director of Operations and Support Services, Chief Patient Experience Officer, Chief Wellness Officer, Medical Operations.

External Advisors
OHE participates in dialogue with City of Cleveland, Foundations, Solid Waste district, Sewer District, Carbon Fund, Education Community, GreenCityBlueLake, E4S, Green Building Coalition, and others.

National Orgs
OHE learns from and serves as expert faculty and advisory council member for national Green Healthcare Orgs.

Employees
All are invited to engage in active dialogue with OHE via idea submissions, event attendance, electronic newsletters and websites.
Logos and Branding

Green Committee

Keeping it Green

Have Mercy - On The Earth

Green Team 2008

ST. JOSEPH HOSPITAL
GREEN TEAMS
Energy | Recycling | EcoFood

Green!

ever GREEN

PRACTICE Greenhealth
Do you set environmental goals?
Create & Monitor Measurable Goals

- **Measurable** – define the goal in terms of ‘how much’ and ‘by when’
- **Accountable** – define ‘who’ on the team and within the organization is responsible for managing and reporting on the goal
- **Strategic** – define tactics or action plan updates on how the goal is to be accomplished and provide regularly schedule updates reported at green team meetings and to leadership
Sample Goals

- Based on waste data:

  1. Reduce Hazardous waste by 1%
  2. Reduce Medical Waste by 10%
  3. Increase Recycling by 5% with a stretch goal of 10% increase
CHW’s Environmental Actions

<table>
<thead>
<tr>
<th>Year</th>
<th>Action</th>
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<tbody>
<tr>
<td>2008</td>
<td>• Global Health and Safety Initiative</td>
</tr>
<tr>
<td>2007</td>
<td>• CHW begins certifying emissions data system-wide</td>
</tr>
<tr>
<td>2006</td>
<td>• System e-waste program initiated</td>
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<tr>
<td></td>
<td>• HCWH food pledge-sustainable, healthy food supply</td>
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<tr>
<td>2005</td>
<td>• CHW transitions to PVC/DEHP free IV products</td>
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<tr>
<td></td>
<td>• Environmental reporting requirement in corporate contracts</td>
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<tr>
<td>2004</td>
<td>• Reusable Sharps containers introduced</td>
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<tr>
<td></td>
<td>• PACs/Digital X-ray Enterprise adoption</td>
</tr>
<tr>
<td>2003</td>
<td>• Instituted micro-fiber mop system</td>
</tr>
<tr>
<td></td>
<td>• Began tracking hazardous waste volume</td>
</tr>
<tr>
<td>2002</td>
<td>• Joined H2E/Practice Greenhealth</td>
</tr>
<tr>
<td></td>
<td>• Mercury elimination policy; water saver technology</td>
</tr>
<tr>
<td>2001</td>
<td>• Environmentally Preferred Purchasing program instituted</td>
</tr>
<tr>
<td>2000</td>
<td>• Linen management programs initiated</td>
</tr>
<tr>
<td></td>
<td>• Reusable pulse oximetry sensors introduced</td>
</tr>
<tr>
<td>1999</td>
<td>• Energy audits conducted; fluorescent lighting retrofits</td>
</tr>
<tr>
<td>1998</td>
<td>• CHW begins reprocessing single-use medical devices</td>
</tr>
<tr>
<td>1997</td>
<td>• Joined Health Care Without Harm – commitment to reduce volume and</td>
</tr>
<tr>
<td></td>
<td>toxicity of waste stream</td>
</tr>
<tr>
<td>1996</td>
<td>• CHW Summit initiates action on Ceres Principles</td>
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</tbody>
</table>
Does your facility provide Eco Education?
Culture of Environmental Excellence

Portrait of a Housekeeper

Meet Your Co-Worker
Gloria McIntosh
Her safety depends on you.

Hi. I’m Gloria McIntosh. I am originally from Jamaica and now live in Queens. I have four children and four grandchildren. I work on the bed team at Beth Israel, which means that I make up beds and prepare them for new patients. I have worked at Beth Israel for eight years. My husband, Rolando, works in Food Service.

Please help make Beth Israel a safe place for me to work. Remember how important cleanup is when caring for a patient. Don’t forget to put needles into sharps containers and appropriate material into a red bag. If you do not strictly follow these waste management guidelines, my health is put at risk.

Please put waste in the right place!

For questions regarding proper segregation of wastes, call the Waste Manager at (212) 420-2442.

Gloria and your co-workers thank you for your care and cooperation.

Beth Israel
Continuum Health Partners, Inc.

University Hospital and
Manhattan Campus for
the Albert Einstein College
of Medicine
Marketing and Publicity Examples

In keeping with our commitment to create the best health care experience for our patients, Metro Health Hospital has taken numerous steps to provide a healthy environment for the community. In 2009, the hospital’s board of directors listed “Integrating Green Development Strategies” as one of its guiding principles. Thus began Metro’s journey to become a sustainable enterprise.

Taking health care to a greener place.

Metro Health Hospital is committed to sustainability, grounded in the university design principles of Metro Health Village. We continue to use these design principles and improve strategies to conserve our natural resources and promote a healthier environment. It’s not about saving green, but we believe it’s well worth the effort. To achieve this, Metro provides employees with green living products, hospital-wide recycling, and a “green” lunch program. Metro Health is setting the environmental standard for hospitals and other organizations throughout the nation.
Metro Health Goes Green!

Metro Health's commitment to sustainability goes beyond the innovative design features of our hospital at Metro Health Village. It's evident in our day-to-day business practices and ongoing strategies to conserve our natural resources and promote a healthier environment.

It's not always easy being green, but we believe it's well worth the trouble. From water-savy mops and “green” cleaning products to hospital-wide recycling and carpooling programs, Metro Health is setting the environmental standard for hospitals as well as other organizations throughout West Michigan and the nation.

In Spring 2007, Metro Health switched to compostable plates, parfait cups and cold drink cups – also known as bioware – in the Metro Café. This switch translates to less impact on the environment, both in manufacturing and waste, since bioware is made from annually-renewable corn and sugarcane, which degrade into plant-supporting compost in less than 100 days.

Sweet, huh?

For more information about Metro Health's sustainability programs, call (616) 252-7153 or visit metrohealth.net.

Metro Health Hospital

Educational materials made possible by a grant from the Michigan Energy Office.

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Healing Our People… Our Planet

CHW’s Environmental Commitment
Goals

• Create, enhance awareness among staff, patients, visitors, service providers, vendors and the community of environmental sustainability and its human health benefits.
What’s Your Waste Profile?
Waste Management

- Solid Waste Land Disposal
- Waste Prevention and Reduction
- Recycling and Reuse of Facility Alterations & Additions
- RMW Reduction
Where does it go?

- Paper Recycling (blue bins):
  - White and color paper
  - NCR carbonless copies
  - Envelopes
  - Post-it Notes

- Regular Trash (clear bags):
  - Packaging
  - Empty foleys
  - Used diapers
  - Non-saturated dressing (small amounts of blood ok, may also be deposited in biohazardous waste bin)

- Biohazardous Waste (red bags):
  - Used suction canisters
  - Bags with body fluids
  - Saturated dressings
  - Blood administration bag and tubing

- Sharps (red containers):
  - Needles
  - Lancets
  - Scalpels
  - Broken glass
  - All syringes
  - Chemo-contaminated sharps and syringes go into Chemo sharps containers

- Chemo Waste (yellow or gray containers):
  - Soiled linen during and 48 hours after chemo administration
  - Chemo-contaminated gloves, gowns, etc.
  - Empty IV with chemo drugs
  - Chemo biohazardous waste

Remember:
- NO plastics
- NO magazines/newspapers
- NO food/drink containers
- NO carbon paper

- NO suction canisters
- NO sharps
- NO bloody tubing

- NO medications
- NO wrappers
- NO hazardous materials
- NO chemo drugs

For more information, call:
- Infection Control
  - ROS: 8-432-5125
  - SAC: 8-426-7558
  - SSC: 8-429-2569

- Environmental Health & Safety
  - ROS: 8-432-5067
  - SAC: 8-426-7028
  - SSC: 8-429-6912
Resource: Waste Management Credit

- WM Prereq 1 – Waste Management Plan
  - Tracking & reporting mechanism
  - Logistics for flow of materials
  - Responsibility of staffers
  - Departmental access to plan
  - Education for new and existing staffers
  - Establish and maintain process for continuous review and update of the plan.
Resource: WM Prereq 2

- Waste Generation Profile and Measurement
  - Track waste data and establish tracking system
  - Set annual goals for reduction
  - Standardize vendors, where helpful
  - Identify waste data baseline and convert to adjusted patient day
  - Report waste profile quarterly to JC EOC Committee.
Sample Volume Programs

- Waste prevention and Environmentally Preferable Purchasing
- HIPAA/Confidential Paper mgmt
- Recycling programs
- Universal waste recycling
- Food Composting/Regional Food Sourcing
- Reusables - food serviceware, underpads, toters
Have you reduced RMW at your site?
Red Bag Reduction

- Segregation
- Reusable sharps
- Single Use Device Reprocessing
- Fluid Management
- Blue Wrap Prevention
- What else?
Reusable Products

Supply Chain: Include waste fees when comparing disposable versus reusable products.
Suction Canisters

40% of Operating Room Waste is from suction Canisters!

Potential for occupational Exposure in transport.

Resource: http://mntap.umn.edu/health/91-Canister.htm
How much are you recycling?
Paper and Cardboard

- Can comprise up to 50% or more of a facility’s waste stream
- Often, first (and most important) areas to address in recycling programs
- Combine paper recycling and confidential paper management (HIPAA)
- Figure out system for baling or compacting boxes and getting them down off of floors
RECYCLE AND YOU MAY GO TO THE MOVIES!

We have you to thank for the success of our box and paper recycling programs.

Finally we can thank you properly for taking the time to recycle!! Pass the word - all earnings from recycling will go towards movie tickets for Continuum Employees.

PASS THE WORD- RECYCLING PAYS!
Providence Recycles!

YES PLEASE
Soft Plastics
- Peel Packs
- Bubble Wrap
- Bags
- Sterile Blue Wrap

#1 - #7 Hard Plastics
- Bottles (beverage and other)
- Basins/Tubs
- Packaging Containers
- Block Styrofoam
- Plastic Utensils
- Clear, Take-Out Containers

Metal Cans
- Tin Cans
- Aluminum Cans

Paper Boxes

Please
- Bag small pieces
- Rinse items

NO, THANK YOU
Trash/Garbage
- IV Bags
- Tubing
- Gloves
- Styrofoam Cups
- Unrinsed Containers

Recycle Separately
- Glass
- Cardboard
- Paper

Paper is recycled in a confidential locked console or Blue Bin.

Questions? Call 6-4099
Did you know...

ELECTRONICS ARE RECYCLABLE!

Continuum recycles ALL computer and electronic equipment such as fax machines.

This equipment can contain lead and mercury and must be disposed of properly!

Call 212-420-2442 for instructions on how to recycle old electronics.

This project is a joint effort of the Environmental Services and Information Systems Departments.
Are you reducing toxic material use?
Toxicity Reduction
Though scientists once thought that the womb protected developing babies from pollution, a study of umbilical cord blood from newborns found an average of 200 industrial chemicals, pesticides and other pollutants in 10 newborns. Of 287 chemicals detected, 180 have been linked to cancer, 217 are neurotoxins and 208 are linked to birth defects.
What We Know

- Every one of us is carrying a body burden of toxic chemicals
- Children are more susceptible to environmental exposures than adults
- The fetus may be harmed by amounts of chemicals that do not effect adults
- Already sick patients or the elderly may be less able to deal with environmental exposures
Resource: Research environmental updates

- Environmental News Network
  - [http://www.enn.com/](http://www.enn.com/)

- Ethics & Sustainability
  The American Medical Associations “Virtual Mentor”
The principles of medical ethics state that “a physician shall recognize a responsibility to participate in activities contributing to the improvement of the community and the betterment of public health.”

American Medical Association’s Principles of Medical Ethics
An ounce of prevention

The Precautionary Principle
  • implies that there is an ethical imperative to prevent rather than merely treat disease, even in the face of scientific uncertainty. This principle can be understood as: “when an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically”

Opt for safer substitutes
Do you have an Environmentally Preferable Purchasing Policy?
Environmentally Preferable Purchasing Products = Waste & Emissions

- Almost everything going out as waste or emission can be attributed to a product or service that was purchased.
1 – Integrated Operations
2 – Sustainable Sites Management
3 – Transportation Operations
4 – Facilities Management
5 – Chemical Management
6 – Waste Management
7 – Environmental Services
8 – Food Service
9 – Environmentally Preferable Purchasing
10 – Innovation in Operation
GGHC EP Credit 2.1-2.2 – Version 2.2
Operations Section

- Toxic Chemical Reduction in Purchasing
  - 2.1 – Policy/Structure Development
  - Development of a position and plan to address targeted classes of chemicals.
  - Phthalates included......
  - Annually review policy, progress, goal setting...
  - 2.2 – Implementation
    - Demonstrate active change in transitioning to safer materials.
Has Your Facility Looked at Green Building and Energy systems?
Facilities and Construction
Healthier Healthcare through Green Design Principles

by Greg L. Roberts, AIA, CSI, CCS, LEED AP, ACHA

Each year in the United States, 2.5 million healthcare patients become afflicted with nosocomial (hospital-acquired) infections—the fourth leading cause of death in the country. Of the 90,000 or so resulting fatalities, about 5000 can be attributed to construction and maintenance practices. An increasing number of these deaths spring from a breakdown in conditions in what are supposed to be environments of care.

Healthcare facilities have to pay particular attention to indoor air concerns. Many of those susceptible to indoor air quality (IAQ) problems are patients with preexisting health conditions, the elderly, people undergoing cancer treatment, and those with depressed immune systems. Furthermore, advances in medical technology and
Resource: GGHC: Facilities Management (A Big one!)

- Energy Efficiency
- Energy Performance
- Refrigerant management
- Plumbing Fixtures and fitting efficiency
- Outdoor Air Introduction & Exhaust Systems
- Energy & Water Metering
- Emissions Reduction & reporting
- Optimize Energy Performance
- Potable Water Use Reduction
- Building Commissioning
- Building Operations – Staff Education
- Building Monitoring systems
- IAQ
- Renewable Energy
- Light Pollution Reduction
Does your facility properly manage pharmaceuticals?
EC Research has picked up speed since 1998

Slide Provided by Dana Kolpin, US Geological Survey. Glassmeyer et al., 2008
Resource: Environmental Impact

- Associated Press Investigation
- Emerging Pollutants and Chemicals in the Environment Renewable Resources Journal, C. Daughton, [www.rnrf.org](http://www.rnrf.org)
- Environmental Health News [http://www.environmentalhealthnews.org](http://www.environmentalhealthnews.org/)
Resource: Pharmaceutical Waste Prevention

- PGH Webinar on Pharm Waste Prevention

- PGh Webinar on Blueprint Update, USGeological Survey, Stericycle and Albany Med Case Study

* Membership Benefit
Typical drugs collected:

1. propofol
2. lidocaine
3. succinylcholine
4. bupivacaine
5. lidocaine/epinephrine
6. benzoin swabsticks (77% alcohol)-g
7. ephedrine
8. epinephrine 81%
9. atracurium
10. proparacaine
11. bupivacaine/epinephrine
12. Atropine
13. lidocaine/marcaine
14. omnipaque
15. bacitracin-g
16. phenylephrine
dye
17. vancomycin-g
18. gadodiamide
19. heparin
20. unknown
21. neostigmine
22. lidocaine jelly
23. diatrizoate meglumine
24. cefazolin

* Resource: Albany Medical Center

95%
Resource: Pharm Waste Prevention Case Study

- Catherine Zimmer, Mntap
  [www.mntap.umn.edu/health/94-PharmWaste.htm](http://www.mntap.umn.edu/health/94-PharmWaste.htm)
- Tri-County Hospital and Hennepin County Medical Center (HCMC)
  - Stock Rotation
  - Alternate Packaging
  - Operating Room
  - Purchasing/Inventory Management
  - Reverse Distribution
Resource: GGHC Chemical Management 2.1 & 2.2 Pharmaceutical Minimization, Management and Disposal

- Formulary Review Process
- Develop and implement a policy and program for receipt, handling, storage, labeling, transport and disposal of pharmaceuticals, including staff education and training.
- Pharmaceutical waste prevention
- www.gghc.org
Documentation examples

- Compile and annually review of formulary
- Annually update policy, staff training
- Annually review prevention practices
- Annually update implementation of best management approach to non RCRA pharmaceuticals.
- Collect and track data on volumes and kinds of pharmaceuticals generated
- Track pharmaceutical samples

Pages 08-25 through 08-28
Resources

• NIOSH Hazardous Drug Alert
  http://www.cdc.gov/niosh/docs/2004-165/#sum

• ASHP Guidance on Handling Hazardous Drugs
  http://www.ashp.org/s_ashp/bin.asp?CID=6&DID=5420&DOC=FILE.PDF

• OSHA Technical Manual

• Practice GreenHealth www.practicegreenhealth.org/
  2008 10-Step Blueprint for Health Care Facilities in the United States
  Pharmaceutical waste webpage:
  - U.S. Geological Survey
Has your site looked at transportation?
Transportation

- **Resource:** GGHC Transportation Operations
  - Commuting
  - Preferred Parking
  - Allowances

Stop in to learn about ways to green your commute:

- **Discounted parking** for low-emission vehicles. Check to see if your vehicle qualifies and even register on the spot.
- **Carpooling** program
- **RTA** Program
- Hybrid purchase **rebate**
- Voluntary program to make your commute truly **carbon neutral**: Coming Soon!

Cleveland Clinic

healthy environments for healthy communities
Has your facility won an Environmental Excellence Award?
Celebrate Success

Announcing the first annual Continuum Environmental Quality Award Winner: The Engineering Department!

Who will win next year? Contact the QI Department to find out how to enter: 212-844-8420
Awards and Recognition!

Resource:
Get Recognition!
Awards Process
www.Cleanmed.org
See list of winners at:

- http://www.practicegreenhealth.org/awards/winners/
How do you learn about greening?
Resource:

Nancy Larson,
Kansas State University
nlarson@ksu.edu

Jeff Faigle
Iowa DNR
Jeff.fiagle@dnr.iowa.gov
Resource: Research environmental updates

- Environmental News Network
  - http://www.enn.com/

- Ethics & Sustainability
  The American Medical Associations “Virtual Mentor”
Webinar Calendar
Click on the webinar title to view details and register.

Practice Greenhealth Members can view past topics, presentations, resources, and recordings from our archive.

Please note: Webinars are included in member benefits. You can also access the webinars by purchasing individual webinars for $150.00 each.

Upcoming Webinar Calendar

- **Jul 10**  Getting Started with Practice Greenhealth  $0.00  Register / Purchase
- **Jul 17**  Design & Construction Series: Re-Envisioning the Contemporary Hospital Experience: Looking to Northern European Models for High Quality  $150.00  Register / Purchase
Leadership in Green Health Care
Online Course in Environmentally-Sustainable Medicine
July 24 - September 18, 2009
Approved for 40 continuing education credits*

Register Now Online →

This interactive training program provides a supportive and inspiring learning environment for health professionals seeking to provide quality healthcare while protecting our limited environmental resources.

Click here to learn more >>
Resource:
Practice Greenhealth Sustainability Training Series

At Practice Greenhealth and Johnson & Johnson, we know that sustainability is a journey...

That's why we've partnered to develop a Sustainability Training Series designed specifically for healthcare professionals.

Come learn with us.

http://www.practicegreenhealth.org/tools/services/training
Resource:

SAVE THE DATE

May 11-13, 2010
Baltimore Convention Center
Baltimore, Maryland

CleanMed 2010
Creating Healing Environments

The premier global conference on environmentally sustainable health care

VISIT WWW.CLEANMED.ORG FOR MORE DETAILS
Resource: Join the Community!

Learn more:
- Join for free introductory webinar
- Practice Greenhealth - www.practicegreenhealth.org
- Green Guide for Health Care www.gghc.org
- Sign up for Info Exchange List Serve: http://cms.h2e-online.org/listserv
- Stay Connected!
Thank you!

- **Resource:**
- Janet Brown
- Director, Facility Engagement
- 413/253-02454
- [jbrown@practicegreenhealth.org](mailto:jbrown@practicegreenhealth.org)
- [www.practicegreenhealth.org](http://www.practicegreenhealth.org)