



October 2010

# Maryland H2E News Roundup



## SPECIAL PRE-CONFERENCE EDITION

This issue of MD H2E News Roundup is a special one: we're focusing on our upcoming conference. In this edition, find information on our two distinguished panels, "Greening Physicians: A Panel Discussion," and "Climate Change: Renewable Energy Procurement Panel." Also read about the nurses presenting and the planned breakout sessions. Here at MD H2E we are really excited about what is sure to be a rich, informative event. We hope you will join us—and remember, early bird registration ends October 28th, register now for only \$55!



## Environmental Excellence in Health Care A Showcase of Best Practices

**MARYLAND HOSPITALS FOR A HEALTHY ENVIRONMENT AND  
UNIVERSITY OF MARYLAND SCHOOL OF NURSING PRESENT:**  
**Environmental Excellence in Health Care: A Showcase of Best Practices**

**NOVEMBER 18, 2010  
7:30 a.m.-4 p.m.**

**Visit the conference website to view full schedule and to register:**

<http://nursing.umaryland.edu/events/environmental/november/index.htm>

Join regional and national health care professionals, environmental industry experts, and educators for this learning and networking event designed to showcase the best practices of hospitals as they journey toward more sustainable environments for hospital staff, patients, and communities. Session topics will include best practices for environmentally preferable purchasing, environmental best practices in the operating room, green design and construction, energy conservation, management of hazardous pharmaceuticals, and procurement and service of sustainable foods.

**Keynote Address: Gary Cohen, President, Health Care Without Harm**

**Fees:** Registration Deadline - October 28\*: \$55; Student Rate: \$25  
There is a discount for groups of 5 or more from the same facility.  
Early bird registration ends October 28. \*See website for details.

**Location:** University of Maryland School of Nursing, 655 W. Lombard Street, Baltimore, MD 21201

**For additional information:** [pe@son.umaryland.edu](mailto:pe@son.umaryland.edu)

## GREEN PHYSICIANS: A PANEL DISCUSSION

The sustainable healthcare movement in Maryland and around the country has gained considerable momentum in the past few years, and continues to do so with the breadth and depth of hospital participants. From the sub-basement to the boardroom to the operating room -- nurses, facility managers, executives, and now physicians are actively engaged in greening efforts. The MD H2E staff is proud to showcase the greening efforts of three distinguished physicians, each discussing their own efforts as well as ways to engage physicians at other facilities!

### **Cynthia F. Bearer, M.D., PH.D., FAAP**

Mary Gray Cobey Professor of Neonatology  
Chief, Division of Neonatology, Department of Pediatrics, University of MD School of Medicine

Chair, Board of Directors, Children's Environmental Health Network

Dr. Bearer has a long standing interest in the role of the environment on human development and has published and presented extensively on issues related to fetal and pediatric environmental exposures. Dr. Bearer is on the editorial board of *NeuroToxicology* and is Chair of the Board of Directors of the Children's Environmental Health Network. She has been a member of the Scientific Advisory Board for the U.S. Environmental Protection Agency and the Advisory Group to the Director of the National Center for Environmental Health at the Centers for Disease Control and Prevention. Her major research interests are the effect of ethanol and prevalent environmental neurotoxicants on the development of the central nervous system and the development of biomarkers of prenatal exposures. At the plenary session, Dr. Bearer will speak to her work to eliminate toxic materials from neonatal care units, as well as how to engage physicians in sustainability efforts.



### **Martin A. Makary MD, MPH, FACS**



Associate Professor of Surgery, Johns Hopkins University School of Medicine  
Associate Professor of Health Policy & Management, Johns Hopkins School of Public Health

Dr. Makary is an active surgeon, researcher, and speaker on healthcare quality. He serves in leadership roles for The United Nations World Health Organization (WHO), The International Union of Risk Management, and The American College of Surgeons, and is a regular medical commentator for CNN. Dr. Makary's research focuses on risk assessment and clinical, economic, and public health impact of innovation in medicine. Dr. Makary has garnered national attention for his work in greening the OR, specifically, his promotion of re-processing of single-use medical devices. At the plenary session, Dr. Makary will discuss the Johns Hopkins Center for Green Healthcare, which he directs. The vision of the Center is "To transform healthcare to lead environmentally-friendly and energy-efficient practices by engaging health professionals in the scientific research of green practices and public advocacy of sustainable living."

### **Noe Copley-Woods MD**

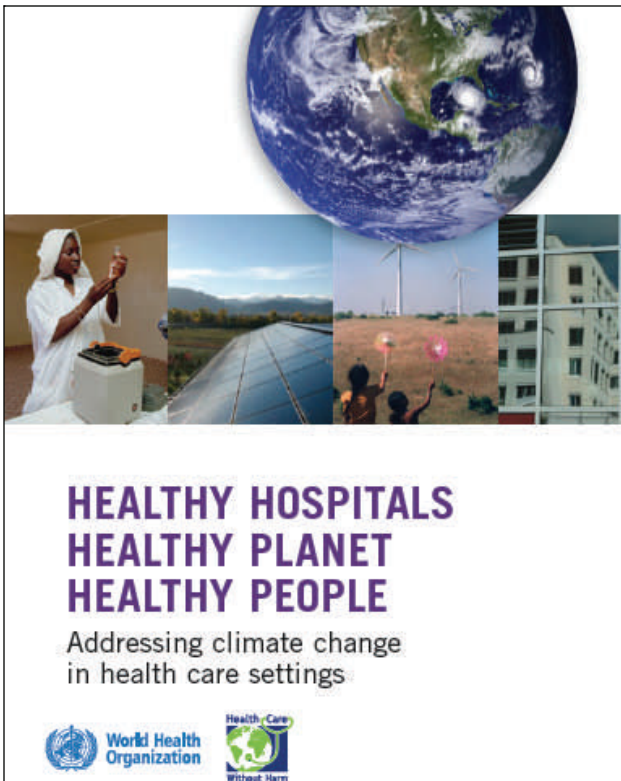
Assistant Professor of ObGyn, Magee-Womens Hospital  
Dept. of Obstetrics, Gynecology and Reproductive Sciences, Division of Gynecologic Specialties

Dr. Copley-Woods is a gynecologist – or as she likes to say, a gyn-ecologist – at Magee-Womens Hospital in Pittsburgh. Dr. Woods has expertise in medical waste reduction, and often speaks on the impact of medical waste on the environment. Dr. Copley-Woods has made a large impact at Magee-Womens Hospital, where she was involved in a campaign to reduce red bag waste. They were able to significantly do so in part by auditing waste, educating staff, and moving containers. Dr. Copley-Woods has stressed how important it is to get surgeons involved in this effort, as they do the lion's share of OR supply purchasing. Dr. Woods will address waste prevention at the plenary session as well as how to get more physicians involved in sustainability efforts.



## CLIMATE CHANGE IN HEALTH CARE SETTINGS

[http://www.who.int/globalchange/publications/healthcare\\_settings/en/index.html](http://www.who.int/globalchange/publications/healthcare_settings/en/index.html)



Global climate change is no longer an ominous future threat but a dawning reality – one that is already creating disturbing shifts in the natural and human environment and eroding the delicate balance of our planet’s ecosystem and the species that depend on it. The referenced document is based on the World Health Organization’s (WHO) mandate from member states to develop “programs for health systems that will contribute to reducing their own greenhouse gas emissions”. It also takes root in Health Care Without Harm’s (HCWH) more than 12 years of experience of working globally to transform the health sector so that it is no longer a source of harm to human health and the environment.

The paper begins to define a framework for analyzing and addressing the health sector’s climate footprint – including identifying seven aspects of a climate-friendly hospital. It also draws on a series of examples from around the world that demonstrate that the health sector is indeed already beginning to provide leadership in this most important area of concern to the global community. This paper is the first step in a WHO project in collaboration with Health Care Without Harm (HCWH) aimed at addressing the climate footprint of the health sector.

### Seven Elements of a Climate Friendly Hospital

1. **Energy Efficiency:** Reduce hospital energy consumption and costs through efficiency and conservation measures.
2. **Green Building Design:** Build hospitals that are responsive to local climate conditions and optimized for reduced energy and resource demands.
3. **Alternative Energy Generation:** Produce and/or consume clean, renewable energy onsite to ensure reliable and resilient operation.
4. **Transportation:** use alternative fuels for hospital vehicle fleets; encourage walking and cycling to the facility; promote staff, patient, and community use of public transport; site health care building to minimize the need for staff and patient transportation.
5. **Food:** Provide sustainably grown local food for staff and patients.
6. **Waste:** Reduce, re-use, recycle, compost; employ alternative to waste incineration.
7. **Water:** Conserve water; avoid bottled water when safe alternatives exist.

## CLIMATE CHANGE: RENEWABLE ENERGY PROCUREMENT PANEL

MD H2E is delighted to have three health facilities/systems represented on the Climate Change: Renewable Energy Procurement Panel at this year's conference. Each with a different story but all with the same commitment and passion for creating a healthier environment for employees, patients, and communities, environmental stewardship and an eye towards lowering healthcare costs. Represented on this panel will be:

- Howard Vogel, Adventist Healthcare
- Robert Mulrooney, Christiana Care
- Tom Thompson, Gundersen Lutheran

Here is the short version of each system's efforts. Be sure to attend the panel discussion on November 18<sup>th</sup> from 1:30 – 2:30 p.m. to learn the full stories!

### ADVENTIST HEALTH CARE

In March 2010, Adventist HealthCare announced it had successfully reduced its future carbon footprint and saved on electrical costs for seven facilities in Maryland and New Jersey through an auction over the World Energy Exchange®. The transaction will net Adventist HealthCare more than \$1.25 million in savings and more importantly, by purchasing 10 percent green energy, the health-care provider will reduce its carbon dioxide emissions by 4,100 metric tons each year. This reduction is the equivalent of each of the following:

- Removing 784 passenger vehicles from the road each year
- Reducing demand for 9,541 barrels of oil each year
- Reducing the need for 21.4 railcars worth of coal each year
- Reducing the equivalent demand of "brown energy" to power 533 homes each year

### CHRISTIANA CARE

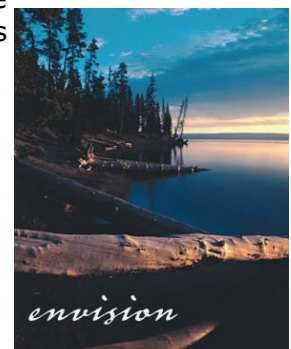
Starting in January 2010, as much as 40 percent of Christiana Care Health System's electricity will come from wind turbines in eastern Pennsylvania. Christiana Care signed a nine-year agreement to purchase 40 million kilowatt hours of electricity annually from Iberdrola Renewables' Locust Ridge II wind power project. That represents enough electricity to power about 3,700 homes, or about 15 percent of the output of the 51 wind turbine, 102-megawatt project. The Locust Ridge II wind power project will provide between 30 percent and 40 percent of Christiana Care's annual electricity needs!



### GUNDERSEN LUTHERAN

All Gundersen Lutheran facilities will have 100 percent of their energy needs offset by renewable energy generated by Gundersen Lutheran, with electrical and gas generation equipment owned by Gundersen Lutheran. Gundersen Lutheran is building a comprehensive energy infrastructure with projects such as biofuels, wind and solar power. This is Gundersen Lutheran's Envision for energy and environmental stewardship:

- Meet 100% of energy needs for facilities by 2014 by creating renewable energy and improving energy efficiency.
- Commit to environmentally and economically sustainable business practices such as LEED certification of new buildings.
- Partner with communities to encourage economic growth and development as well as provide national leadership in renewable and energy efficiency programs.
- Use Envision program as a tool to reduce the cost of care for our patients.





## NURSES AT THE CONFERENCE

MD H2E is delighted to have several nurses presenting at the conference this year, speaking on topics ranging from waste reduction in the operating room to developing and implementing environmental best practices for managing hazardous pharmaceutical waste. Below is a summary of two to the nursing presentations.

**Janel Parham, RN, MS,** will be presenting Environmental Best Practices in the Operating Room. As the operating room liaison nurse for peri-operative services at Sinai Hospital, Ms. Parham has been instrumental in bringing sustainable practices to the operating suites. Since the OR creates as much as 20-30% of the total waste created by a facility, practices that reduce waste are especially beneficial in this department. Janel oversees many green initiatives, including sterile blue wrap recycling, hard plastic recycling, and non-confidential paper recycling. In addition to recycling, changes in patient care can reduce overall departmental waste. For example, surgical cases are sometimes cancelled at the last minute. Rather than having all sterile equipment opened and ready for use early, Sinai now waits until a patient is cleared for surgery by anesthesia to open all disposable items. This has turned out to be a cost savings as well, since expensive items like staplers and trocars aren't opened unless needed.



Another measure that has greatly reduced the volume of waste generated in Sinai's ORs is the use of new technology to deal with fluids suctioned during surgery. An informal study at the University of Minnesota found that about 40% of the infectious waste from their hospital operating rooms was suction canister waste. Sinai is now using the Neptune system in 5 of its 17 ORs. The Neptune system is a portable vacuum system that uses reusable canisters, or empties fluid directly to the sanitary sewer, based on local regulations. Reducing the use of disposable wall suction canisters can help a facility decrease its infectious waste volume, minimize biohazard exposure risk and save money on canister purchasing costs.

*Continued on page 10*



**Denise Choiniere, RN, MS,** will be presenting Hazardous Pharmaceutical Waste Management. As the full-time Sustainability Manager for the University of Maryland Medical Center, Denise spearheaded an innovative program to manage the facility's hazardous pharmaceutical waste. Federal law from the Environmental Protection Agency's Resource Conservation Recovery Act (RCRA) mandates the safe disposal of a number of hazardous medications, but does not address all potentially harmful drugs. An outside consultant reviewed UMMC's formulary and identified medications meeting the definition of "hazardous." UMMC's new policy was developed to include both the RCRA mandated pharmaceuticals and as well as other potentially harmful drugs on the hospital formulary. The result is a policy that helps ensure public safety by keeping as many potentially dangerous medications as possible out of the waste stream.

Denise describes the process of adopting the Hazardous Pharmaceutical Waste Management plan as a truly interdisciplinary project. Stakeholders from the Pharmacy, Safety, and Nursing Departments, as well as the Environment of Care Committee, were instrumental in planning and rolling out the program. Key components of the program include the labeling of medications considered hazardous with a bold **"HAZ WASTE"** identifier by Pharmacy staff. To collect the used vials and syringes, each nursing and procedural unit at UMMC is supplied a black "Hazardous Medication Disposal Bucket" for proper disposal. Signage on every unit describes the correct disposal procedure for each type of medication. Staff were educated on the new process using creative techniques, such as a ball toss game with different balls labeled as various medications to be disposed of, and a game for nurses to play entitled "Where Does It Go?" to test end-users' knowledge of the new policy.

Denise feels that nurses are an integral part of the pharmaceutical waste management program. "Nurses can really drive change because there are more of us than anyone else [in the hospital]." She will describe the process for implementing the new pharmaceutical waste policy, along with challenges and lessons learned, at the annual H2E conference.

## Breakout Sessions

Listed on the next four pages are the breakout sessions of the conference.

### Environmentally Preferable Purchasing

#### **Jim Albert - *Eliminating Harmful Chemicals from Healthcare Building Materials***

Jim Albert, Principal at Hord Coplan Macht, will speak about methods and design tips for eliminating harmful chemicals from healthcare building materials, and will provide details about vinyl- and formaldehyde-free materials that can be used for carpet, sheet flooring, base, wall protection, batt insulation, woods products, and ceiling tiles.

#### **Vinny Brooks - *Partnering to Create a Sustainability Roadmap***

Vinny Brooks, Director of Materials Management at Maryland General Hospital, will be discussing the creation of a Sustainability Road Map for the Association of Healthcare Resource and Materials Managers of the American Hospital Association, which will help healthcare facilities strategize their greening efforts for effective implementation in purchasing and resource use. These sustainable supply chain strategies will eventually be accessible via an interactive website, and will be an important resource for environmentally preferable purchasing decisions in a hospital.

#### **Joel Sigler - *Strategies and Tools for Eliminating Toxic Chemicals in Products***

Joel Sigler, Manager, National Environmental, Health and Safety at Kaiser Permanente, will provide an overview of how Kaiser Permanente's commitment to preventative health care has led the organization to have a focus on eliminating the use of toxic chemicals in products. He will discuss Kaiser Permanente's Safer Chemicals strategy and how a combination of targeted and broad-brush procurement tools has enabled the health system to identify opportunities to purchase safer products.

### Green Building

#### **Carolyn Core - *Building a Healthier Hospital for Our Patients, Employees, and Community***

Carolyn Core, Sr. Vice-President, Corporate Services at Anne Arundel Health Services, will be speaking about AAMC's new Acute Care South Pavilion (ACSP), which is currently under construction and aiming for LEED Silver. The design is estimated to achieve an 18-20% reduction in energy and 14% in water use when compared to standard basic designs. This session will provide information on the design and benefits of constructing a LEED certified healthcare facility. The presentation will offer guidance on the application process and proposed educational programs.



#### **Scott Scarfone and Will Smith - *Rooftop Healing Gardens - Benefitting Hospitals and Sustaining the Environment***

Scott Scarfone, Principal and Founder of Oasis Design Group, Inc., will be speaking with Will Smith, Chief Development Officer of Shady Grove Adventist Hospital Association about the healing rooftop garden that Oasis designed for Shady Grove. Presented as a case study, the project would be used to describe: 1) various green roof design and construction technologies; 2) design and construction considerations for retrofitting existing roofs for a green roof; 3) benefits derived by patients, family members, and staff; and 4) marketing value.

#### **Bruce Patterson - *Sustainable Pervious Concrete Parking Lot***

As Executive Director, Facilities and Properties at Peninsula Regional Medical Center, Bruce Patterson will discuss a pervious concrete parking lot that has been built as part of a campus expansion, including the challenges, options, and solutions. The sustainable parking lot includes a sub-surface system that provides water quality improvement. Rain water passes through the 6 inch thick pervious concrete to the filtration system below which is comprised of 3 feet of stone. As it passes through the stone it is cleaned by natural biological actions and returned to the ground water system, with essentially no additional water going into nearby Wicomico River.

## Breakout Sessions

### Pharmaceutical Waste Management

#### **Denise Choiniere - *Best Practices in Managing Hazardous Pharmaceutical Waste***

UMMC's Sustainability Manager will discuss UMMC's written policy, "The Safe Handling and Disposal of Hazardous Medications." This policy addresses and promotes worker safety while minimizing the hospital's environmental impact through proper disposal practices. This session will discuss the policy development, stakeholders involvement, education and implementation, compliance and lessons learned. Educational tools will also be shared.



#### **Bob Shuman - *Managing Hospital Pharmaceutical Waste***

This presentation, led by Bob Shuman, VP of Healthcare Practice Niche at Triumvirate Environmental, will focus on the need to develop a regulatory compliant pharmaceutical program at healthcare facilities and the strip away the most common objectives for building one. The following questions will be answered:

- Why do I need to build a compliant and sustainable program now?
- Who are the internal stakeholders that must agree that such a program is necessary to succeed?
- How much time will it take to build a program?
- How much money will it cost to build a program? and,
- What metrics are available today to monitor, track and trend pharmaceutical waste?



### Sustainable Food

#### **Holly Emmons - *Mitigating Climate Change in Hospital Food Service***

Holly Emmons, Food Service Manager at Union Hospital of Cecil County, will present strategies that conference attendees can adopt at their facilities using sustainable food purchasing and operations initiatives to reduce their climate footprint. She will discuss successful programs implemented at Union Hospital, including reduced meat purchasing, organic produce and local sustainable meat purchasing, eliminating bottled water and foam products, a hospital herb garden, recycling food waste, and more.

herb garden, recycling food waste, and more.

#### **Jason Saunders - *Growing a Comprehensive Sustainable Food Program***

Good Samaritan Hospital, represented by Retail Manager Jason Saunders, will present on starting a hospital garden and developing a community supported agriculture (CSA) program. The garden project at Good Samaritan has met with many challenges which can offer an educational model for other facilities. In the café, plant-based plastics have replaced less desirable disposables for those that biodegrade. Local produce straight from the farmer will soon be offered at a seasonal kiosk in a cooperative program with their food services provider. Jason Saunders will discuss the challenges and benefits of charting a new course in sustainable food procurement and cafeteria offerings.





## Breakout Sessions

### Energy

#### **Ingrid Black - The "GREEN Groupies" Educate Staff on Energy Conservation**

Senior Director of Operational Support Services at Adventist Rehabilitation Hospital of Maryland, Ingrid Black, will speak about their green team, known as the "GREEN Groupies." The hospital building recently received a low rating from their energy star survey. The hospital has now implemented a number of sustainability programs, including vending machines that power down after 15 minutes of disuse and educating staff about how to be more environmentally friendly in their daily operations. The GREEN Groupies plan to continue this program throughout the year while using information from the hospital's energy bill to educate the staff about electrical consumption. In order to track the impact of their campaign, the Groupies plan to compare past energy bills with those that will come in this year, hoping to see a drop in the amount of energy consumed.



#### **Geri Nicholson – Independent Energy Audits Unearth Savings**

Geri Nicholson, President of Sage Energy, will present on independent energy audits. Sage Energy, in partnership with Maryland Hospitals for a Healthy Environment (MD H2E) and with funding from the Maryland Department of the Environment, provided two healthcare institutions with independent preliminary energy audits. The University of Maryland Medical Center (UMMC) and Levindale Hebrew Geriatric Center and Hospital (Levindale) were chosen to participate. Sage Energy unearthed substantial energy savings opportunities – some for immediate implementation and others requiring capital investment. Through an independent audit, any institution can realize immediate savings and plan for more over the mid-to-long term, and leverage existing funding programs to minimize out-of-pocket costs. As an increasingly energy-aware economy develops, "quick-win" solutions abound, inspiring the healthcare sector to take advantage of ways to reduce costs that also benefit the environment, without major process disruptions or extensive renovations.

#### **Lewis Poe - Energy Savings: Finding Funding and Giving Back**

Director of Facilities for Sinai/LifeBridge Health, Lewis Poe, will present on the system's energy savings program. As a part of the ongoing Freedom to be Green program, LifeBridge acquired grant funding to replace fluorescent lights in all non-clinical areas with LED lamps, switching 9,200 lamps and donating approximately 4,000 of the outgoing fluorescents and 2,000 ballasts to a Baltimore-based non-profit organization for reuse. This completes phase 1 of the LED program; phase 2, in which more areas will switch from fluorescent bulbs, is slated to begin in the coming months pending funding. LifeBridge has assisted its offsite properties in making similar strides, subsidizing recycling and reviewing contracts, such as a forthcoming, cost-saving contract for LifeBridge Health and Fitness. The health system has also consulted with neighboring hospitals on ways to duplicate its energy successes and was recently selected by the BGE Smart Energy Savers program and ICF International to be a case study.





## Breakout Sessions

### Greening the Operating Room

#### **Cecilia DeLoach – Greening the Operating Room**

Senior Manager of Sustainable Operations at Practice Greenhealth, Cecilia DeLoach will talk about Practice Greenhealth's drive to make the OR operate more sustainably. From [greeningtheor.org](http://greeningtheor.org), a Practice Greenhealth initiative: "As hospitals across the country look for ways to reduce environmental impact, it makes sense to start with the departments that have the largest environmental footprints. The operating room (OR) is one of the most environmentally intensive departments in the hospital. Case studies have estimated that between 20-30% of the total waste generated by the hospital comes from the OR. A number of leading healthcare institutions have begun to tackle this problem by identifying key interventions that can reduce waste, energy, worker exposure to hazardous chemicals and save money."



#### **Kate Painter – Going Green in the Operating Room**

Executive Director of Surgical Services at Carroll Hospital Center, Kate Painter will speak about the hospital's efforts to green the operating room. Their waste management system offers fluid waste management and smoke evacuation in one unit. The system collects surgical waste fluid within a totally closed system, then disposes of it with little human intervention, reducing operator exposure and reducing hazardous waste tonnage in the operating room. Carroll Hospital Center also collects SUDs for reprocessing, utilizes reusable containers, recycles blue wrap, and more.



#### **Janel Parham, RN, MS – Greening the Source: OR Waste Management and Recycling**

Janel Parham, Liason Nurse, General Operating Room at Sinai/LifeBridge Health, will present on the system-wide regulated medical waste (RMW) separation and reduction program. By creating distinct waste streams for generators, educating them with signage and in-services trainings, and continually tracking and monitoring the process, LifeBridge was able to reduce red bag waste by well over half. In early 2007, Sinai Hospital of Baltimore began using the Neptune Stryker fluid management system in all five ORs of the Rubin Institute for Advanced Orthopedics, where irrigation needs are high. The OR also began recycling pre-case blue wrap and mixed plastics three years ago. Since then, the program has grown from 2,233 pounds of blue wrap collected in the first year to a total of 15,078 by 2010, and from 771 pounds of mixed plastics to a total of 5,776 over the same period.

## Nurses at the Conference

Janel Parham, RN, MS

*Continued from page 5*

Janel has found that staff are supportive and enthusiastic about bringing sustainable practices to their work. One nurse noticed that disposable cloth towels could be re-purposed into cleaning cloths. Now, the blue surgical towels from the Cystoscopy suite are sent to the laundry and used for wiping down surfaces around the unit in their second life. Janel aims to start towel re-purposing in the main ORs as well. Because of experiences like this, staff feel free to bring up suggestions for improvement that could be used throughout the facility. "People come to me with different ideas [for sustainable practices] and I bring them to the Lifebridge community". Ms. Parham will explain how her facility implemented these practices, and more, at the annual H2E conference.

## Draft EPA Guidance Document for Managing Unused Pharmaceuticals

Pharmaceuticals are being discovered in our nation's waters at very low concentrations. While the sources of these pharmaceuticals may be numerous, EPA has been studying unused pharmaceutical disposal practices at health care facilities. This study was prompted by the concern that potentially large amounts of pharmaceuticals are being flushed or disposed of down the drain, ultimately ending up in rivers, streams and coastal waters.

The Agency has drafted a guidance document for health care facilities, which describes:

- techniques for reducing or avoiding pharmaceutical waste
- practices for identifying and managing types of unused pharmaceuticals, and
- applicable disposal regulations.

EPA has visited many facilities and consulted with organizations in the health care industry, as well as federal, state and local government agencies. EPA continues to solicit recommendations from a wide range of stakeholders and welcomes comments on the draft document. It plans to publish a final version of the document in late 2010.

[Find the draft guidance here.](#) Public comment is welcome through November 8.

## What is Maryland H2E?

Maryland H2E is a technical assistance and networking initiative that promotes environmental sustainability in healthcare. Participants include hospitals, clinics, nursing homes, and other ancillary health care providers in MD.



Our staff now includes:

- ◆ Joan Plisko, PhD, Technical Director  
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410-706-6832

## Practice Green Health Webinars



October 27th, 1 pm (Eastern)  
**Introduction to Greenhealth Tracker**

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To Register and Purchase Webinars, go to:  
[www.practicegreenhealth.org/tools/webinars/](http://www.practicegreenhealth.org/tools/webinars/)

Access to Practice Greenhealth webinars is a fee-based service, and is one of many member benefits. You can learn more about the fees and benefits of membership by going to our website. See: [www.practicegreenhealth.org/community/membership/](http://www.practicegreenhealth.org/community/membership/)