Results of Hospital Assessment Project

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Project Summary

 Interns collected basic environmental compliance and pollution prevention indicator data

States/hospitals participating:

CT: 9 hospitals RI: 8 hospitals NH: 8 hospitals

 Report available at <u>http://www.unh.edu/p2/nhppp/i2003.html</u>

CT Data Collected RCRA

- Not all hospitals had a waste determination on file (5/yes; 2/some; 2/no)
- All hospital indicated that:

Satellite containers properly marked and identified

Containers in good condition

Containers kept closed

Trained staff on hazardous waste

CT Data Collected –EPCRA

- 6 hospitals did not know if they had Extremely Hazardous Substances over threshold amounts
- 8 hospitals indicated that over 10,000lbs of product with MSDS
- 8 hospitals indicated that they submitted Tier2 Forms



 5 hospitals indicated over threshold amounts for above ground storage

5 hospitals indicated they had plans

CT Data Collected – Universal Waste and One Plan

Universal Waste

All hospitals indicated separate

Most hospitals labeled (8) and dated (7)

One Plan- Integrated Contingency Plan
 One hospital indicated they had used this option

CT Data Collected - USTs

 Six hospital stored hazardous substances in USTs

 Four hospitals had records of monthly leak detection

CT Data Collected - Mercury

- 8 conducted mercury (Hg) assessment
- all 9 replaced Hg blood pressure units
- all 9 replaced thermometers for patients and outpatients
- 5 have identified lab chemicals with mercury
- 3 have replaced Hg lab chemicals
- Only 2 hospitals purchase some Hg equipment

CT Data – Solid Waste

Donate/Compost

Edible food (1)

Office Equipment (2)

Medical Device/equipment (5)

CT Data - Recycling

- Cardboard (9)
- Paper, white (8)
- Toner cartridges (7)
- Silver recovery (7)
- Fluorescents (7)
- Paper, color (6)

- Steel/aluminumCans (6)
- Scrap metal (6)
- Newspaper (5)
- Motor Oil (5)
- Ink jet cartridges (4)
- X-ray films (4)

CT Data - Recycling

- Ni Cd batteries (4)
- Pb Acid Batteries (4)
- Pallets (4)
- Glass (4)
- Hg batteries (3)
- Boxboard (2)

- Foam peanuts (2)
- Expired pharm. (2)
- Solvent (1)
- Plastics (1)
- Lead aprons (1)
- C/D waste (1)



CT Data – No Recycling reported

Tyvek

Mattresses

Printer ribbons

Ice packs/coolers

- Sharps
- Shrink Wrap
- Grass/Leaves



Recycling Opportunies

- Boxboard
- Batteries (can be universal waste)
 Nickel Cadmium, Lead, Mercury
- C/D waste
- Expired pharmaceuticals (reverse distribution)

CT Data - Reuse

- Linens (84%)
- Patient dishware (75%)
- Baking Pans (57%)
- Metal Trays (54%)
- Instrument pans (53%)
- Glassware (49%)
- Surgery towels (49%)
- Pillows (39%)
- Splash basins (39%)
- Dishware employee (35%)

- Patient Towels (31%)
- Cultery (29%)
- Surgery gowns (29%)
- Surgery drapes (29%)
- Exam gowns (29%)
- Ambu bags (24%)
- Pulse Oximeters (24%)
- Mattress overlays (14%)
- Underpads (9%)



Water pitchers

Bath Basins

Urinals

Vaginal speculums

Medicine cups

Ventilator tubing

Suture removal



No CT Reuse Compared to NH and RI data

NH

Water pitchers (23%)

Bed Pans (0%)

Urinals (0%)

Suture removal (3%)

Vaginal speculums (33%)

RI

Water pitchers (12%)

Bed Pans (37%)

Urinals (18%)

Suture removal (22%)

Vaginal speculums (25%)



Reuse data compared

NH hospitals reported over 90%

Dishware patient-95%

metal trays- 99%

patient towels – 99%

instrument pans – 90%

baking pans- 98%

pillows- 94%

linens - 98%

splash basins – 95%

RI Hospitals reported over 90%

Pillows-99%

Patient towels – 99%

CT Data - Purchasing

- Shipping containers
 - 2 hospitals receive supplies in reusable containers (3 didn't know; 4 no)
- Office paper: 30% recycled content
 - 5 hospitals yes; 2 don't know; 2 no
- Ethylene Oxide
 - 7 hospitals use; 5 evaluated alternatives

CT Data – Energy

 All hospitals have done energy management review within last 3 years

Used EPA benchmarking tool3 hospitals yes; 6 no



EnergyStar Equipment

- Computers, Monitors (4)
- Copiers, Exit Signs, Refrigerator (3)
- TVs, Printers, Dishwashers (2)
- Transformers, Fax machine (1)

 Scanners, Water Coolers, Roofing, Multifunction devices (0)

CT Data - Water

8 hospitals assessed water use

 6 reported implementing a water conservation program



New England Recycling Project

- Intern working through April 2004

Thanks for your participation in this project!