



DNR Update 2011 Iowa Recycling and Solid Waste Management Conference

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Rulemaking & Legislation

- Executive Order 71
- Coal combustion Residue (CCR) Landfills
 - EPA rule making looking at 2 options
 - RCRA Subtitle C – hazardous waste
 - RCRA Subtitle D – MSW
 - Given substantial public comments probably won't see a final rule until after 2012 elections
 - House Energy and Commerce passed (H.R. 2273) bill that prohibits EPA from regulating under Subtitle C
 - **DNR will take no action until this is resolved**



Rulemaking & Legislation

- DNR clean-up bill passed in 2011 session
 - Removed statutory provisions related to haz waste
 - Will be rescinding 5 IAC chapters
- SW EMS rulemaking – new Chapter 111
 - Establishes a process & criteria for determining if participant's EMS is complying with statute
 - Notice of intent decision item at Nov. EPC
- 2nd Clean-up bill has been pre-cleared with Gov's office and will be introduced in 2012 session
 - Most of the rescissions respond to auditor questions

Solid Waste Alternatives Program (SWAP) Applications & Awards

Quarter	Applications Received	Total Funds Requested	Number Funded	Funds Contracted	Forgivable Contracted
October 2010	20	\$1,214,740	10	\$258,031	\$148,436 58%
January 2011	9	\$330,129	6	\$261,389	\$103,889 40%
April 2011	16	\$1,999,916	9	\$1,089,733	\$160,175 15%
July 2011	10	\$1,274,939	5	\$414,144	\$54,144 13%
Totals 10/09-7/10	55 (55)	\$4,819,721 (\$3,370,576)	30 (25)	\$1,788,047 (\$692,472)	\$466,644-26% (\$394,197-57%)



SWAP Revenue

	Tonnage Fee	Loan Repayments	Total Revenue
FY09	\$2,487,934	\$873,845	\$3,361,779
FY10	\$1,709,714	\$1,047,859	\$2,757,573
FY11	\$2,219,381	\$1,250,411	\$3,469,792



Derelict Building Grant Program

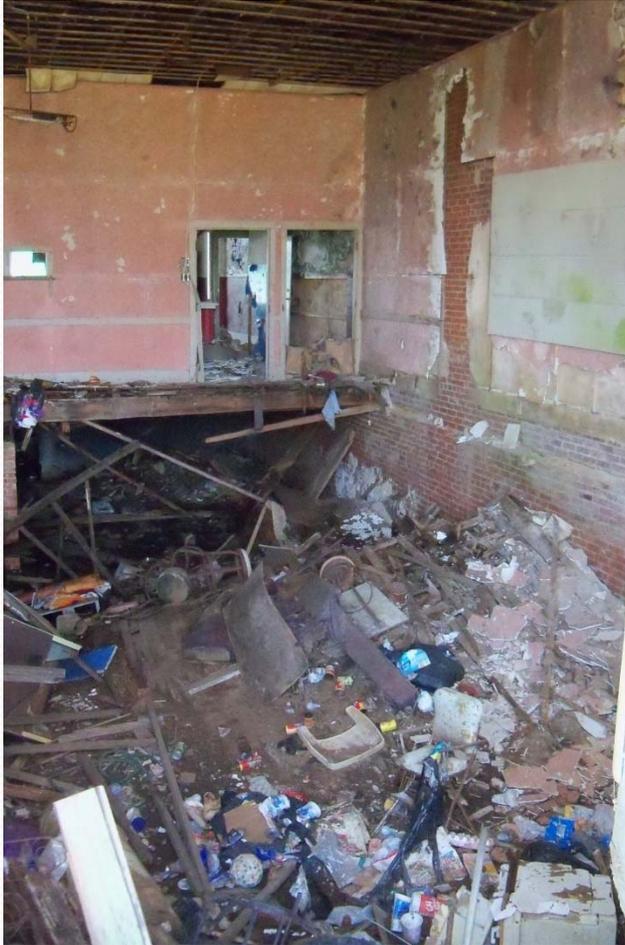
- 2011 legislation authorizes up to \$400,000 of SWAP funds
- Limited to communities of 5,000 or less
- Projects must have a landfill diversion component
- Types of assistance
 - Asbestos inspection & removal
 - Phase I and II Environmental Site Assessments
 - Structural Engineering Assessments
 - Deconstruction & Renovation
 - Up to \$50,000 with a 50% cost share
- Applications due November 1st

Case Study – Seymour, IA

- Roof has collapsed exposing interior to the elements
- Portion of 3rd floor exterior wall has given way
- All 3 floors have fallen into the basement



Seymour



Seymour

- ❑ Cannot enter the structure
- ❑ Can't do asbestos inspection and abatement
- ❑ Must be treated as 100% ACM
- ❑ Cost for demolition & disposal \$215,000 - \$300,000



Seymour

- Deconstruction
 - Selective Dismantling
- Remove brick & mortar to extent possible
- Wash to eliminate any asbestos
- Reuse or use as clean backfill
- Total project cost \$140,000





Waste Characterization Study

- Follow up to 1998 and 2005 studies
- 9 landfills = 42% of waste disposed in the state
 - Urban and rural
- 62 material categories
- 50 samples at each landfill over a 1 week period
- Broken down by residential & ICI sectors
- Full report @
<http://www.iowadnr.gov/Portals/idnr/uploads/waste/wastecharacterization2011.pdf>
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A Few Results of Interest

- Paper 25.2% / 22% decrease from '98
- Food Waste 13.3% / 24% increase from '98
- OCC & kraft paper 9%
 - ICI 13.2% (highest single material for this sector)
 - Residential 3.8%
- Film Plastic 6.6%
- #1 PET non-deposit beverage containers 150% increase since '98
- 5 times more PET non-deposit containers are landfilled compared to PET deposit containers



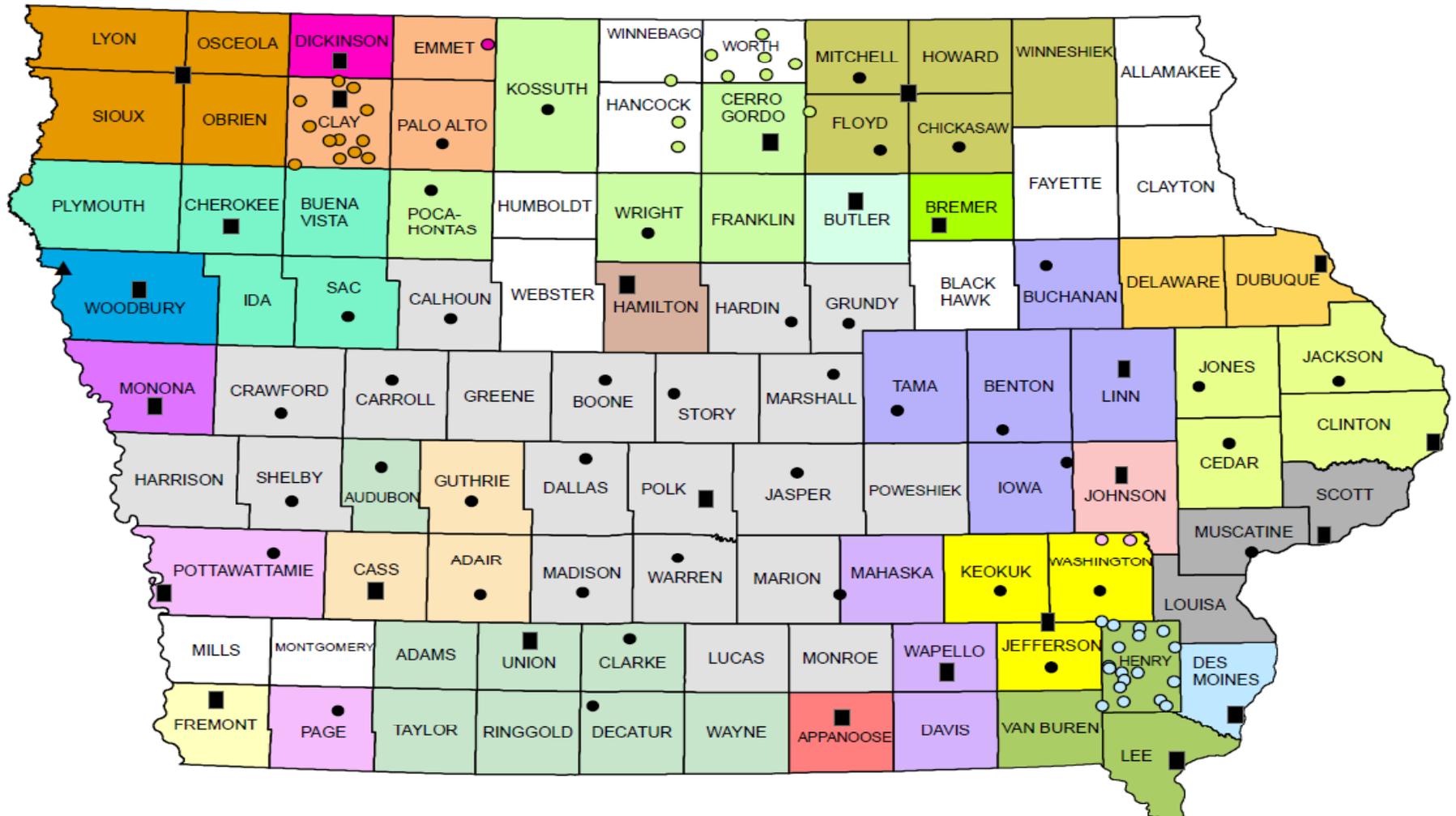
Solid Waste EMS Program

- Develop objectives, targets, an action plan and measurements for each of the following “plan components”
 - Yard Waste Management
 - Hazardous Household Materials
 - Water Quality Improvement
 - Greenhouse Gas Reduction
 - Recycling
 - Environmental Education

Solid Waste EMS Program Status

- 6 pilot project participants are now Tier II
 - Cass County Environmental Control Agency
 - Cedar Rapids Linn County Solid Waste Agency
 - Dubuque Metropolitan Area Solid Waste Agency
 - Metro Waste Authority
 - Rathbun Area Solid Waste Commission
 - Waste Commission of Scott County
- 2 new participants approved by EPC
 - South Central Iowa Solid Waste Agency
 - Lucas, Marion, Monroe & Poweshiek Counties
 - Northern Plains Regional Landfill
 - Emmet, Palo Alto, Pocahontas Counties, Spencer, unincorporated Clay Co.
- Application deadline for third round is 8/1/12

Regional Collection Center Network





FY11 RCC Activities

- July –December 2010
- Total lbs. managed = 3,051,821 lbs.
- Managed locally = 2,544,446 lbs.
- SWAP Shops = 210,372 lbs.
- Haz Waste sent off for treatment/disposal = 507,375 lbs.
- Total program investment in FY11
 - Establishment Grants = \$163,055
 - Haz Waste treatment/disposal support = \$452,759



2011 P2 Intern Program

- 20 intern projects
 - 5 are 24-week internships
- 14 of the 20 projects were returning companies
- Returnees provide a \$72,000 cost share



2011 Intern Program Results

- **\$863,621** cost savings
- Water conservation - 18.9 million gallons
- Solid Waste – 296 tons
- Hazardous Waste – 5,833 gal.
- Energy
 - 9.2 million kWh
 - 108,000 therms of natural gas
 - Greenhouse gas mitigation benefits are also calculated



2001 – 2011 Cumulative Implemented Results

- **\$65,778 million** cost savings
- Water conservation - 1.117 billion gallons
- Solid and Special Waste – 200,048 tons
- Hazardous Waste – 560 tons & 1.5 million gallons
- Energy
 - 311 million kWh
 - 6.9 million therms of natural gas



Outreach Materials

- Financial & Business Assistance Section's quarterly newsletter
 - Latest on SWAP & SWAP funded initiatives, HHMs, & Pollution Prevention
 - Previous editions @ <http://www.iowadnr.gov/FABA>
 - If want to subscribe e-mail join-FABA@lists.ia.gov
- Coming soon – Solid Waste Section newsletter
 - Technical issues regarding landfills & waste management
 - Sharing of success stories

Contact Information

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[http://www.iowadnr.gov/InsideDNR/RegulatoryLand/
SolidWaste.aspx](http://www.iowadnr.gov/InsideDNR/RegulatoryLand/SolidWaste.aspx)

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