

Iowa EMS Pilot Program - DMASWA 2010

| | Objective | Target | Metric | Yard Waste | Water Quality | Green house Gas | Recycling | HHM | Env Ed |
|----------|--|---|--------------------------|------------|---------------|-----------------|-----------|-----|--------|
| A | Increase STA certified compost produced at DMASWA facility (internal) Improve soils | Triple compost production from FY09 by 12/31/2012 | Tons of compost produced | X | X | X | | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Establish a Composting Task Force to make recommendations to Agency Board | 1/1/2010 | Chuck | | | | | | |
| 2 | Research & determine list of recommendations from task force to Agency Board | 4/1/2010 | Chuck | | | | | | |
| 3 | Implement recommendations from composting task force | 9/1/2010 | Doug | | | | | | |
| 4 | Reduce contaminants in compost (improved monitoring, daily debris removal, and enforcement on illegal dumping at site) | 4/1/2010 | Doug | | | | | | |
| 5 | Maintain production of STA quality compost by testing 3 times per year. | 3 times per year | Chuck | | | | | | |
| 6 | Submit MSW Composting Permit application with variance requests related to managing Source-Separated Organics (SSO) | 3/1/2010 | Chuck | | | | | | |
| 7 | Increased composting of SSO (Duplicate) | 12/31/2012 | Paul | | | | | | |
| 8 | Increase feedstock from fall leaf cleanups, lawn services, tree services and storm debris cleanup | 12/31/2011 | Chuck | | | | | | |
| 9 | Increased specification of STA compost in public projects in service area | 12/31/2012 | Chuck | | | | | | |

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| 10 | Explore transition of currently composted feedstocks to private sector operation. | 6/1/2010 | Chuck | | | | | | |
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| B | <i>Reduce potential CO2e fugitive landfill gas emissions (internal) climate impact</i> | <i>reduce by 0.5% by 12/31/2012</i> | <i>tons of potential fugitive CO2e</i> | X | X | X | X | | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Increased composting of SSO (Duplicate) | 12/31/2012 | Paul | | | | | | |
| 2 | Submit MSW Composting Permit application with variance requests related to managing Source-Separated Organics (SSO) duplicate | 4/1/2010 | Chuck | | | | | | |
| 3 | Expand diversion of residential food scraps through the city of Dubuque curbside collection program | 12/31/2011 | Paul | | | | | | |
| 4 | Expand diversion of commercial food scraps through private hauler collection programs | 12/31/2010 | Paul | | | | | | |
| 5 | Expand "zero waste" events diverting food scraps and compostable paper to composting | 12/31/2011 | Paul | | | | | | |
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| C | <i>Increase small scale, on-site compost production using local materials (external) improve soils & climate mitigation</i> | <i>200 new residential and comercial on-site compost production practices by 12/31/2012</i> | <i>New on-site residential and commercial composting initiatives tons of feedstock managed</i> | X | X | X | | | X |
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| 1 | Expand on-site, backyard composting, and mulch mowing promotion (external) | 12/31/2011 | Bev | | | | | | |
| 2 | Increase education and promo materials on organics management best practices. | 12/31/2011 | Bev | | | | | | |
| 3 | Offer assistance to institutions exploring larger on-site composting alternatives using generated feedstocks. | 12/31/2011 | Paul | | | | | | |
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| D | <i>Increase Hazardous Material diversion/avoidance in Agency operations (internal) Removing toxics from environment</i> | <i>5% per year</i> | <i>Pounds of material</i> | | X | | | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Investigate less hazardous materials to use in Agency operations | 10/1/2010 | Doug | | | | | | |
| | Objective | Target | Metric | Yard Waste | Water Quality | Green house Gas | Recycling | HHM | Env Ed |
| E | <i>Increase Household Hazardous material diversion from landfill (external) Removing toxics from environment</i> | <i>Expanded availability for residential HHM drop off at DMASWA RCC by July 1, 2011</i> | <i>Hours of operation and number of locations available</i> | | X | | | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Certify additional employees for HHM responsibilities | 9/1/2010 | Doug | | | | | | |
| 2 | Increase hours of operation | 7/1/2011 | Doug | | | | | | |

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| 3 | Increase CFL drop off locations in service area by 10 additional locations with staff trained and operational | 9/1/2010 | Bev | | | | | | |
| 4 | Promo for expanded HHM opportunities | 9/1/2010 | Bev | | | | | | |
| | Objective | Target | Metric | Yard Waste | Water Quality | Green house Gas | Recycling | HHM | Env Ed |
| F | <i>Establish permanent drop off location in Delaware County for HHM (external) Removing toxics from environment</i> | 9/1/2010 | <i>Drop off operational</i> | | X | | | X | X |
| | Action Plan | Deadline | Responsibility | Status | | | | | |
| 1 | Meet with Delaware County Waste Commission to verify desire and willingness for support | March, 2010 | Chuck, Bev | | | | | | |
| 2 | Research the feasibility and implementation of a fully trained, staffed, and equiped satelite RCC drop off located in Delaware County | April, 2010 | Chuck | | | | | | |
| 3 | Certify employees, locate and purchase necessary equipment and buldings, secure location for HHM responsibilities and set non-scheduled hours for drop off with media ads | Beginning 9/1/2010 | Chuck | | | | | | |
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| G | <i>Increase community product stewardship initiatives (external) Removing toxcs from environment</i> | <i>Add 5 locations and 1 new material by 10/1/2010</i> | <i>Locations and materials available</i> | | | | X | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Continue to update community reuse and recycling guide | October, each year | Bev | | | | | | |

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| 2 | Research product stewardship strategies for medical sharps and pharmaceuticals | Begin 5/1/2010 | Chuck, Bev | | | | | | |
| 3 | Join the Iowa network for Product Stewardship when available | when available | Chuck | | | | | | |
| | Objective | Target | Metric | Yard Waste | Water Quality | Green house Gas | Recycling | HHM | Env Ed |
| H | <i>Reduce amount of bare soil acres within DMASWA facility (internal)</i> | <i>Ongoing</i> | <i>Facility property covered in vegetation except for minimum required for current operations</i> | | X | | | | |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Seed areas as needed | ongoing | | | | | | | |
| | Objective | Target | Metric | Yard Waste | Water Quality | Green house Gas | Recycling | HHM | Env Ed |
| I | <i>Improve surface water quality in DMASWA facility (internal)</i> | <i>7/1/2010</i> | <i>Turbidity and Nitrogen levels</i> | | X | | | | |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Partner with area colleges to increase monitoring and testing | 1-May-10 | Doug/Chuck | | | | | | |
| 2 | Include more surface and groundwater quality educational content during DMASWA facility tours | 7/1/2010 | Bev/Nancy | | | | | | |
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| J | <i>Increase awareness and monitoring of storm water impacts from non-point water pollution sources (external)</i> | <i>12/1/2010</i> | <i>Number of communities initiating storm sewer labeling</i> | | X | | | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Identify communities with unlabeled storm sewers | 5/1/2010 | Bev | | | | | | |
| 2 | Prepare and distribute educational materials to municipalities | 7/1/2010 | Bev | | | | | | |
| 3 | Offer municipalities grants to purchase labeling materials | 7/1/2010 | Bev | | | | | | |
| 4 | Increase information and education materials in biannual newspaper inserts | 10/1/2010 | Bev | | | | | | |
| 5 | Offer cameras to monitor illegal dumping sites in Dubuque County | 7/1/2010 | Chuck/Bev | | | | | | |
| | Objective | Target | Metric | Yard Waste | Water Quality | Green house Gas | Recycling | HHM | Env Ed |
| K | <i>Reduce carbon footprint of DMASWA facilities (internal) Mitigate climate impact</i> | <i>Reduce by 50% by 12/31/2012</i> | <i>tons of CO2e</i> | | | X | | | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Establish baseline GHG assessment | 6/30/2010 | Chuck | | | | | | |
| 2 | Construct a LFG collection, monitoring and flaring system | 9/10/2010 | Chuck | | | | | | |
| 3 | Develop beneficial use of DMASWA landfill gas | 12/31/2012 | Chuck | | | | | | |
| 4 | Reduce fugitive GHG emission through increased composting of SSO (Duplicate) | 12/31/2012 | Paul | | | | | | |
| 5 | Implement protocols and procedures to reduce GHG production from excessive and inefficient fossil fuel use and refrigerant management in staff, contractor and customer operations. | 12/31/2012 | Doug | | | | | | |

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| L | Reduce carbon footprint in DMASWA service area (external) mitigate climate impact | reduce by _____TPY by 12/31/2012 | tons of CO2e | | | X | | | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Partner with local groups to provide education on GHG generation and reduction strategies, lighter carbon footprint, and climate change mitigation | 12/31/2012 | Bev | | | | | | |
| 2 | Establish partnerships to implement a check out program for electricity use monitors (Kill-A-Watt) supplied by DMASWA | 12/31/2010 | Bev | | | | | | |
| | Objective | Target | Metric | Yard Waste | Water Quality | Green house Gas | Recycling | HHM | Env Ed |
| M | Become a zero waste facility (internal) Conservation of natural resources | 95% of discards are composted, reused, or recycled | weight of discards | | | X | X | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Conduct informal internal waste sorts to determine areas for improvement | 4/1/2010 | Doug | | | | | | |
| 2 | Determine baseline on purchases to establish "Buy recycled" status | 9/1/2010 | Doug | | | | | | |
| 3 | Coordinate efforts with contractors and customers | 12/31/2010 | Doug | | | | | | |
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| N | Establish sustainable diversion standards (external) conservation of natural resources | 9/1/2010 | report to Board | X | | | X | X | |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Conduct glass recycling study | 6/30/2010 | Chuck | | | | | | |
| 2 | Conduct waste sort (weights) | 6/30/2010 | Chuck | | | | | | |
| 3 | Conduct visual sort of all incoming loads | 9/1/2010 | Paul/Chuck | | | | | | |
| | Objective | Target | Metric | Yard Waste | Water Quality | Green house Gas | Recycling | HHM | Env Ed |
| O | Promote opportunities for expanded recycling (external) conservation of natural resources | increase % of non-residential organizations implementing recycling and reuse practices by 5% by 1/1/2011 | # of organizations/businesses offering recycling/reuse opportunities | | | | X | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Encourage recycling in non-residential sector through recognition in spring insert | 5/1/2010 | Bev | | | | | | |
| 2 | Expand recycling and reuse in CDDR projects by contacts through permit applications | 7/1/2010 | Chuck | | | | | | |
| 3 | Expand % of demolition projects implementing recycling and reuse practices | 6/30/2011 | Chuck | | | | | | |
| 4 | Expand special event recycling throughout planning area | 9/1/2010 | Chuck | | | | | | |
| 5 | Increase number of recycling drop off stations around county | 8/1/2010 | Chuck | | | | | | |
| 6 | Expand Green Vision Education Program | 9/1/2010 | Bev | | | | | | |

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| 7 | Increase promotion of waste minimization grant program | 7/1/2010 | Bev/Chuck | | | | | | |
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| P | Increase community product stewardship initiatives (external) reduced toxics in environment | 12/31/2010 | # of organizations/businesses offering recycling/reuse opportunities | | | | X | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Determine current efforts being offered for recycling and/or reuse of carpet, mattresses, electronics, etc. | 6/30/2010 | Bev | | | | | | |
| 2 | Recognize partners in web and printed info | 11/1/2010 | Bev | | | | | | |
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| Q | Establish Agency Green Team (internal) worker health/community environment | 7/1/2010 | Green Team established | X | X | X | X | X | X |
| | Action Plan | Deadline | Responsibility | Status | | Key Resources | | | |
| 1 | Identify 4 member team and begin meeting on monthly basis | 4/1/2010 | Don | | | | | | |
| 2 | Initial recommendations to Facility Supervisor/Agency Administrator | 7/1/2010 | Don | | | | | | |