

Iowa EMS Pilot Program - DMASWA 2011 (3/1/2011 - updated 4/21/2011, 6/7/2011, 8/30/2011)

	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
A	Increase STA (Seal of Testing Assurance) certified compost produced at DMASWA facility (internal)	Increase compost production by 25% from 1/1/2011 by 12/31/2012	Tons of compost produced	X	X	X		X	X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Implement recommendations from composting task force	11/1/2011	Doug/Wayne	Completed (4/21/11)		staff, partner time, money			
2	Reduce contaminants in compost (improved monitoring, daily debris removal, and enforcement on illegal dumping at site). Increase education and promo materials on organics management best practices. (Possible future goal: Explore feasibility of purchasing grinder)	7/1/2011	Doug/Bev	In progress (4/21/11), (8/30/11)		staff time, Camera to be installed after tower issues resolved			
3	Increase feedstock from fall leaf cleanups, lawn services, tree services and storm debris cleanup	11/1/2011	Chuck	In progress (4/21/11), completed (8/23/11)		partners, feed stocks			
4	Explore transition of currently composted feedstocks to private sector operation.	12/31/2011	Chuck	Completed (4/21/11)		staff, partner time, available acreage			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
B	Reduce potential CO2e fugitive landfill gas emissions (internal)	reduce by 0.5% by 12/31/2012	tons of potential fugitive CO2e	X	X	X	X		X

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	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Expand diversion of residential food scraps through the city of Dubuque curbside collection program	12/31/2011	Paul	On Hold (8/23/11)		Feed stocks, DNR permit, partners			
2	Expand diversion of commercial food scraps through private hauler collection programs	12/31/2011	Paul	On Hold (8/23/11)		feed stocks, DNR permit, partners			
3	Expand "zero waste" events diverting food scraps and compostable paper to composting	12/31/2011	Paul	In Progress (8/23/11)		staff, partner time, Dubuque 2.0			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
C	Increase Hazardous Material diversion/avoidance in Agency operations (internal)	5% per year	Pounds of material		X			X	X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Investigate less hazardous materials to use in Agency operations	10/1/2011	Doug/Wayne	Solvent tank made nontoxic, Exploring purchasing waste oil furnace. (8.23.11)		staff time, suitable models			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
D	Increase Household Hazardous material diversion from landfill (external)	Increased amount of materials handled per year by 5%	Pounds of material processed		X			X	X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Certify additional employees for HHM responsibilities	9/1/2011	Doug/Wayne	In progress (4/21/11), (8/23/11)		staff time & money, locate classes for certification			

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2	Establish set hours of operation (revised 6/7/11)	7/1/2011	Doug/Wayne	Delayed until new building is completed, (8/23/11)		staff time & money			
3	Promo for expanded HHM opportunities	12/1/2011	Bev	in progress, Electronics promo focus this quarter, (8/23/11)		staff & partner time and money, advertising			
4	Develop plan to cover service area with mobile events	12/31/2011	Doug/Wayne	Delayed until new building is completed, (8/23/11)					
5	Explore options for HHM reuse facility	5/1/2011	Doug	Temporary facility in equipment shed, Plans in progress for new building (8/23/11)		Staff time, budget expenses			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
E	<i>Establish permanent drop off location in Delaware County for HHM (external)</i>	<i>7/1/2011</i>	<i>Drop off operational</i>		X			X	X
	Action Plan	Deadline	Responsibility	Status					
1	Research the feasibility and implementation of a fully trained, staffed, and equiped satelite RCC drop off located in Delaware County	April, 2011	Chuck	in progress, (8/23/11)		money, time			
2	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 9/1/2011	Chuck	Delayed (8/23/11)		staff time, money			

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F	<i>Reduce amount of bare soil acres within DMASWA facility (internal)</i>	10/15/2011	<i>Bare soil acres within DMASWA facility</i>		X				
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Seed areas as needed - Suggestion: Change to monitoring or "other" section of Intelx/EMS	10/15/2011	Doug/Wayne	Ongoing (8/23/11)		money, time			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
G	<i>Improve surface water quality in DMASWA facility (internal)</i>	10/15/2011	<i>Turbidity and Nitrogen levels</i>		X				
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Partner with area colleges to increase monitoring and testing (Oct & April)	10/15/2011	Doug/Bev/Wayne	Worked with area H.S. but still in progress (8/23/11)		staff time, money, proper equipment			
2	Staff will perform rain event testing	10/15/2011	Doug/Wayne	In Progress (8/23/11)		staff time			
3	Include more surface and groundwater quality educational content during DMASWA facility tours	7/1/2011	Doug/Bev/Nancy	in progress, completed (8/23/11)		staff time, handouts			
4	Develop a plan of action based on results from testing and monitoring	7/1/2012	Doug/Wayne	In Progress (8/23/11)		staff time, testing results			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
H	<i>Increase awareness and monitoring of storm water impacts from non-point water pollution sources (external)</i>	12/1/2011	<i>Number of communities initiating storm sewer labeling</i>		X			X	X

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	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Identify communities with unlabeled storm sewers	4/1/2011	Bev	Completed (4/21/11)		staff time, city clerk time			
2	Prepare and distribute educational materials to municipalities	6/1/2011	Bev	In progress (4/21/11), (8/23/11)		staff & city contacts time, educational materials			
3	Increase information and education materials in biannual newspaper inserts	11/1/2011	Bev	Information included in Spring 2011 insert, completed (4/15/11)		staff time			
4	Offer cameras to monitor illegal dumping sites in Dubuque County	5/1/2011	Chuck/Bev	In progress (4/21/11), completed (8/23/11)		staff time and money, cameras			
5	Work with community partners to increase education and awareness on this issue	9/1/2011	Bev/Chuck	In Progress (8/23/11)					
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
I	<i>Reduce carbon footprint at DMASWA facilities (internal)</i>	<i>Reduce by 50% from 2009 by 12/31/2012</i>	<i>tons of CO2e</i>			X			X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Establish baseline GHG assessment (IDNR)	3/1/2011	Chuck/Paul	completed (8/23/11)		staff/consultants time/protocol			
2	Develop beneficial use of DMASWA landfill gas	12/31/2012	Chuck	In Progress (8/23/11)		staff/consultants time			
3	Develop an idling education policy for landfill vehicles	12/31/2011	Doug	Needs work (8/23/11)		time, money, model protocols			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
J	Identify known changes in carbon footprint in the City of Dubuque and Projected information into service area using formula calculations	reduce by 5% TPY by 12/31/2012	tons of CO2e			X			X

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	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	Paul	(8/23/11) no report		staff time, handouts			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
K	Become a near "zero waste" facility (internal)	90% of discards are composted, reused, or recycled by 12/31/2011	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	8/1/2011	Doug/Wayne	completed (8/23/11)		time, models			
2	Determine baseline on purchases to establish "Buy recycled" status	12/1/2011	Doug/Wayne	In Progress (8/23/11)		time, inventory			
3	Coordinate efforts with contractors and customers	12/31/2011	Doug/Wayne	In Progress (8/23/11)		time, model			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
L	Establish sustainable diversion plan of action (external)	12/31/2011	report & recommendations to Board	X			X	X	
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Conduct waste sort (weights)	6/30/2011	Chuck	completed (8/23/11)		money, consultants, supplies			
2	Recommend priorities to Agency Board from Visual Waste Sort	5/1/2011	Paul	No report (8/23/11)		money, consultants			

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	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
M	Promote opportunities for expanded recycling (external)	increase tonnage of recycling and reuse materials from non-residential organizations by 10% by 1/1/2012	diverted tons of materials recycled from 1/1/2011 to 12/31/2011				X	X	X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Encourage recycling in non-residential sector through recognition in spring insert	5/1/2011	Bev	on hold until Fall insert (8/23/11)		time, additional clear streams, partners, ordinance model			
2	Expand % of CDDR projects implementing recycling and reuse practices	6/30/2012	Chuck	No progress (8/23/11)		time			
3	Expand special event recycling throughout planning area	12/31/2011	Chuck	No progress (8/23/11)		time, money			
4	Increase number of recycling drop off stations around county	8/1/2011	Chuck	In Progress (8/23/11)		time, local partners, money			
5	Expand Green Vision Education Program	9/1/2011	Bev	Completed (8/23/11)		time, local partners			
6	Investigate effective methods to communicate with landfill customers	9/1/2011	Bev	Completed (8/23/11)		staff time			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
N	Continue monthly landfill staff meetings (internal)	7/1/2011	Regular meetings established	X	X	X	X	X	X

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	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Determine staff training needs and develop a plan of action	4/1/2011	Doug/Wayne	In Progress (8/23/11)		staff time			
2	Consult with other landfills, City of Dubuque, and specialists	7/1/2011	Doug/Wayne	In Progress (8/23/11)		staff & partner time			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
O	Compile RCC/HHM Policy Book	1/1/2012	Policy Book completed		X		X	X	X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Attend IDNR training	3/7/2011	Chuck	completed		staff time, IDNR training			
2	Consult with other RCCs	10/1/2011	Chuck	In Progress (8/23/11)		staff time, other agency partners			
3	Compile information gathered	10/1/2011	Chuck			staff time, other agency partners			
4	Brief and train RCC workers	1/1/2012	Chuck & Doug			staff time			
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P	Develop tree replacement policy	7/1/2011	Policy developed		X	X			X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Research existing practices being done by others	5/1/2011	Chuck & Doug			staff time, other agency partners			
2	Develop visual screens at landfill perimeter	7/1/2011	Doug/Wayne	in progress					
3	Consult with Bob Fritsch	6/1/2011	Chuck	Delayed due to staff changes (8/23/11)		staff time, other agency partners			
4	Define tree type, size, diameter, etc.	6/1/2011	Chuck & Doug	Delayed due to staff changes (8/23/11)		staff time, other agency partners			
5	Agency Board approval	8/1/2011	Chuck	Delayed due to staff changes (8/23/11)		staff time, Board meeting			
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Q	Evaluate option to decrease air emissions from landfill equipment operations	9/1/2011	Options identified & prioritized			X			X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Research shutdown options	9/1/2011	Chuck & Doug	Completed (8/23/11)		Equipment manuals, staff time			
2	Mazimize use of GPS	9/1/2011	Doug & operators	Ongoing (8/23/11)		staff time			
3	Explore CNG options and other alternative fuels to meet vendor specs	9/1/2011	Chuck & Doug	In progress (4/21/11) (8/23/11)		staff & consultant time			
	Objective	Target	Metric	Yard Waste	Water Quality	Green house Gas	Recycling	HHM	Env Ed
R	Develop a plan for efficient use of LFG	9/1/2011	Plan Developed			X			X
	Action Plan	Deadline	Responsibility	Status		Key Resources			
1	Determine baseline stats for quality and quantity of methane	5/1/2011	Doug & Unison	Completed (8/23/11)		staff & partner time, LFG stats			
2	Retain services of expert advisors	5/1/2011	Staff & Board	In Progress (8/23/11)		staff & partner time			
3	Identify options for use of methane	7/1/2011	staff	Delayed (8/23/11)		staff & partner time			
4	Evaluate options for use of methane	8/1/2011	Staff & Board	Delayed (8/23/11)		staff, partner, & Board time, info from experts			
5	Recommend course of actions to Agency Board	9/1/2011	Staff & Board	Delayed (8/23/11)		staff & Board time			