

US EPA ARCHIVE DOCUMENT

Appendix A

Printer ERP Logic Model

Appendix A – Logic Model

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WI Environmental Results Program for Printers
Logic Model

INPUTS		OUTPUTS		OUTCOMES		
INPUTS	Activities	Participation (Outreach?)	Short-term (Learning)	Intermediate (Actions)	Long-term - Environmental or Economic (Behavioral)	
<p>DNR Air staff and grant \$</p> <p>Partners staff, volunteers, and \$</p> <ul style="list-style-type: none"> • DNR - other media and CEA • Commerce – SBCAAP • Printing Cluster • PNEAC Executive Director (Wayne Pferdehirt) • UW-Ext. SHWEC? • Permit streamlining group: <ul style="list-style-type: none"> • PIW • GATF (Gary Jones) • SGIA (Marci Kitner) • EPA (PPA) • Environmental Orgs <p>Time</p> <ul style="list-style-type: none"> • Planning • Implementation • Evaluation <p>Publications</p> <ul style="list-style-type: none"> • PrintWiSer • MA ERP for Printers <p>Educational/Instructional Materials</p> <ul style="list-style-type: none"> • Commerce fact sheets • 	<ol style="list-style-type: none"> 1. Planning for ERP program. 2. Develop performance indicators for sector. <ol style="list-style-type: none"> a. Use broad stakeholder group to gain input from all interested parties. b. Final decision on appropriate indicators made by smaller workgroup. 3. Develop workbook and checklists. <ol style="list-style-type: none"> a. Collect and review related materials for workbook and checklists. b. Gather input from partner agencies on material development. c. Compile input and develop "final" materials. d. Test materials with a couple companies for readability, etc. e. Re-draft materials based on input from companies. 4. Identify universe of sources. Develop complete list of sources from multiple services. 5. Database development 6. Develop statistical methodology - relies heavily on performance indicators developed in #2. 7. Revise QAPP - based on statistical methodology. 8. Inspector Training <ol style="list-style-type: none"> a. Prepare for training workshop b. Hold training 9. Administrative Time for existing compliance or permit activities = DNR 10. Perform random baseline inspections of facilities. 11. Analyze data from inspections. (continued...) 	<p>Printing Facilities Workshops/training conducted for facilities.</p> <p>Materials sent to facilities.</p> <p>Site visits and phone calls to assist with using materials.</p> <p>Printing Associations: Involved in development of materials.</p> <p>Provide assistance reaching all WI sources.</p> <p>Co-sponsor workshops.</p> <p>DNR Media Programs Involved in development of materials.</p> <p>Provide training to potential inspectors.</p> <p>Local officials (WWTP, etc.) Involved in development of materials.</p>	<p>S1. Owners or representatives attend workshops.</p> <p>S2. Owners gain understanding about environmental responsibilities.</p> <p>S3. Owners use workbooks and checklists, and submit self-inspection in timely manner.</p> <p>S4. Owners request assistance where understanding is incomplete.</p> <p>S5. DNR Inspector Training: inspector checklist use, need for statistical sampling and keeping to chosen list of random facilities, etc.</p> <p>S6. EPA acceptance of inspections to satisfy other grant work.</p>	<p>M1. More printers will switch to lower VOC or HAP coatings.</p> <p>M2. Printers will improve compliance rate for HW storage and disposal.</p> <p>M3. Printers will improve management of clean up wastes (solvents and rags).</p> <p>M4. Printers will make progress on additional EBPI's, such as: <ul style="list-style-type: none"> - pollution prevention - best management practices - any others decided upon by group to be included in checklists. </p> <p>M5. Cultivated interest from other business sectors in using ERP.</p>	<p>L1. Owners will make informed decisions regarding their impact on environment.</p> <p>L2. Environmental performance improves overall for sector.</p> <p>L3. Printers achieve equal or better environmental results, increase cost effectiveness and decrease in costs while implementing ERP.</p> <p>L4. Emissions reductions help improve air quality in ozone nonattainment area.</p> <p>L5. DNR spends less time processing compliance data since all media managed through one program and fewer FTEs.</p>	

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INPUTS		OUTCOMES		
Activities	Participation (Outreach?)	Short-term (Learning)	Intermediate (Actions)	Long-term - Environmental or Economic (Behavioral)
<p>12. Prepare workbooks and checklists for mailing. a. Update materials and decide on targeted issues based on pre-inspections. b. Printer c. Mail</p> <p>13. Prepare for and provide technical assistance workshops. a. prep work b. workshops held</p> <p>14. Companies submit self-certifications.</p> <p>15. Certification follow-up a. Allow time for sources to complete RTC plans and related activities. b. Analyze data as they come in. Check red-flags. Decide on targeted response.</p> <p>16. Any prep for post-inspections? Update statistical methodology, draw new random sample, re-train inspectors, etc.</p> <p>17. Perform random inspections to compare with submittals and determine changes in performance and compliance status.</p> <p>18. Collect post-certification Administrative Data at DNR.</p> <p>19. Evaluate performance of sector through analysis of self-inspection checklists and follow up round of random inspections.</p>				