

ADEM Recycling Program

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Materials Management Section

ADEM - Land Division

Corrections Environmental
Workshop

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Presentation Objectives

To provide a better understanding of:

- The requirements of the recently enacted Solid Wastes & Recyclable Materials Management Act and its implementation by ADEM
- To recognize the importance of DOC recycling to its mission and provide information on opportunities for partnership with local communities as well as funds for dump cleanups
- To briefly discuss upcoming regulations concerning recycling and composting operations



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Recycling Program Staffing

Materials Management Section

- Technical Staffing
 - 2 Environmental Scientists
- Administrative Staffing
 - 0.5 Branch Chief
 - 1 Section Chief
 - 0.25 Administrative Assistant



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State Solid Waste Management Plan

- Originally developed in two phases
 - Phase I - 1989
 - Phase II - 1991
- Included data, goals and recommendations (mandatory collection, scrap tire law, **recycling**)
- Partially adopted into ADEM regulations in 2002
- Revised by ADEM in 2008
 - Public notice in February; one comment received
 - EMC adoption in August 2008; effective September
- Requires annual waste and **recycling reporting**

- Numbers reported as required by State

□ Aluminum	95,480 pounds
□ Steel/Tin	1,038,480 pounds
□ Plastics	34,600 pounds
□ Cardboard	1,486,260 pounds
□ Newspaper	399,660 pounds
□ Pallets	12,207



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2008 DOC Recycling Figures

- Potential Market Values as of 5/03/09*

□ Aluminum	\$21,960
□ Steel/Tin	\$36,606
□ Plastics	\$5,882
□ Cardboard	\$55,734
□ Newspaper	\$12,948
□ <u>Pallets</u>	<u>\$48,828 (@\$4 each)</u>
Estimated Total	\$181,958

*Trailer Load Pricing

DOC Recycling activities provide:

- Work-training program for inmates
- Revenue stream
- Community service
- Positive public relations



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Solid Wastes & Recyclable Materials Management Act

- Drafted by ADEM staff and introduced in 2008 Legislative Session
- Compilation of previous legislative efforts and recommendations of 1991 State Solid Waste Management Plan
- Signed into law by Gov. Riley in mid-April



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Major Purposes of SWRMMA

- Provide stable funding for ADEM Solid Waste program
- Establish a grants program to encourage local recycling efforts
- Provide fiscal resources to clean-up unauthorized dumps
- Establish a statewide waste reduction and recycling goal



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SWRMMA Disposal Fees

- \$1.00/ton fee on MSW disposed in Alabama
- \$1.00/ton or \$0.25/cy on C/D, industrial wastes
- This is a *DISPOSAL* fee -- it does not apply to recycled, reused or recovered materials
- It DOES apply to all solid wastes disposed of in Alabama landfills (including solid wastes approved as ADC); regardless of whether the waste is subject to any other disposal fees



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SWRMMA Revenue & Distribution

- Fee will generate ~\$7.6 million based on 2007 reported disposal volumes
 - \$3.4 MM (45%) for ADEM Solid Waste regulation, education and outreach
 - \$1.9 MM (25%) to establish and enhance local recycling programs
 - \$1.9 MM (25%) to clean-up UADs for innocent landowners
 - \$380 k (5%) to LF operators and ADoR for administrative costs



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Alabama Recycling Fund

- Provides grants to **local** governments and governmental non-profits to develop, implement and enhance recycling and waste minimization projects
- Highlights of regulations:
 - Annual March 1 grant application deadline
 - Local SWMP must be current to be eligible
 - Two categories of applications based on number of effected households in proposed project



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SWRMMA Possibilities for DOC

- Although not eligible for direct funding under the Alabama Recycling Grants Program, infrastructure and expertise exists
- Local governments without MRF's or sorting operations are looking for assistance
- Local governments with MRF's or sorting operations are often looking for labor
- Local governments seeking funds are often looking for a way to market materials

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Unauthorized Dump Cleanups





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SWRMMA Possibilities for DOC

How can DOC be involved?

- Conduct remediation activities of UAD and unauthorized scrap tire accumulation sites with reimbursement provided by ADEM
- Interagency Cooperative Contract allows government agencies to conduct remediation activities and be reimbursed by either the SWF or the STF
- Costs would be negotiated on a site-by-site basis or for multiple sites with set price before work begins

Other Requirements of SWRMMA

- Regulation of composting and recycling facilities
 - Permitting for composting
 - Registration & reporting for recycling facilities
- Requires ADEM to publish a biennial report on our implementation of the Act
 - Use of funds
 - Reduction in waste disposal
 - Participation in recycling and reuse



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Regulation of Recycling Operations

- All recycling operations will be required to register and comply with regulatory requirements
- Compliance inspections of facility will be performed by MMS personnel
- 75% throughput of materials during a 12 month period will be required to maintain classification as a recycling operation
- Facilities failing to achieve throughput requirement may be classified as illegal disposal and be subject to enforcement and cost recovery for site cleanup and closure

Composting

- Fees will not apply to DOC composting operations which generate materials only for DOC facilities
- Fee will not apply unless compost is utilized in a commercial venture
- Regulatory requirements for operation and maintenance will apply
- Regulations under development



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Next Steps in Implementation

- Stakeholder involvement on key issues
 - Statewide recycling/waste reduction goal
 - Operator certification requirements
 - Regulatory items (post-closure, composting, etc.)
- Stakeholder groups to be convened over coming months
- Rulemakings to notice Spring - Fall '09
- Mid-2009 implementation for most

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- To briefly discuss upcoming regulations concerning recycling and composting operations



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QUESTIONS??