

# SOLID WASTE MANAGEMENT PLAN

**ADEQ**

ARKANSAS  
Department of Environmental Quality

August 24, 2011

“Going to a junkyard is a sobering experience.

There you can see the ultimate destination of almost everything we desired.”

*-Roger Von Oech*



# NO REGULATIONS BEFORE 1971

- Used burn barrels
- Hauled waste to the dump
- Burned waste in dumps
- Filled swamps and quarries



# SW PLAN AND REGIONAL APPROACH

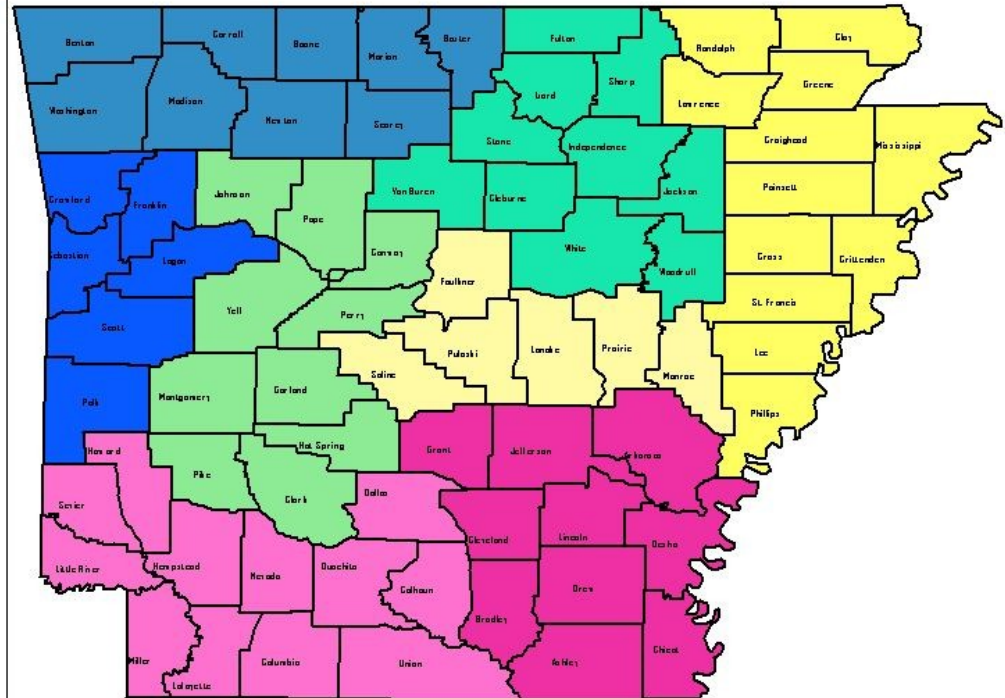
- Act 870 of 1989
  - ▶ Created Districts
- Created Fact Finding Task Force
  - ▶ Education
  - ▶ Source Reduction and Recycling
  - ▶ Resource Recovery
  - ▶ Problem Waste - oil, tires, batteries, yard

# ORIGINAL DISTRICTS

8 Districts

# ARKANSAS

## Planning and Economic Development Districts



Map Produced By: Central Arkansas Planning and Development District, Inc.

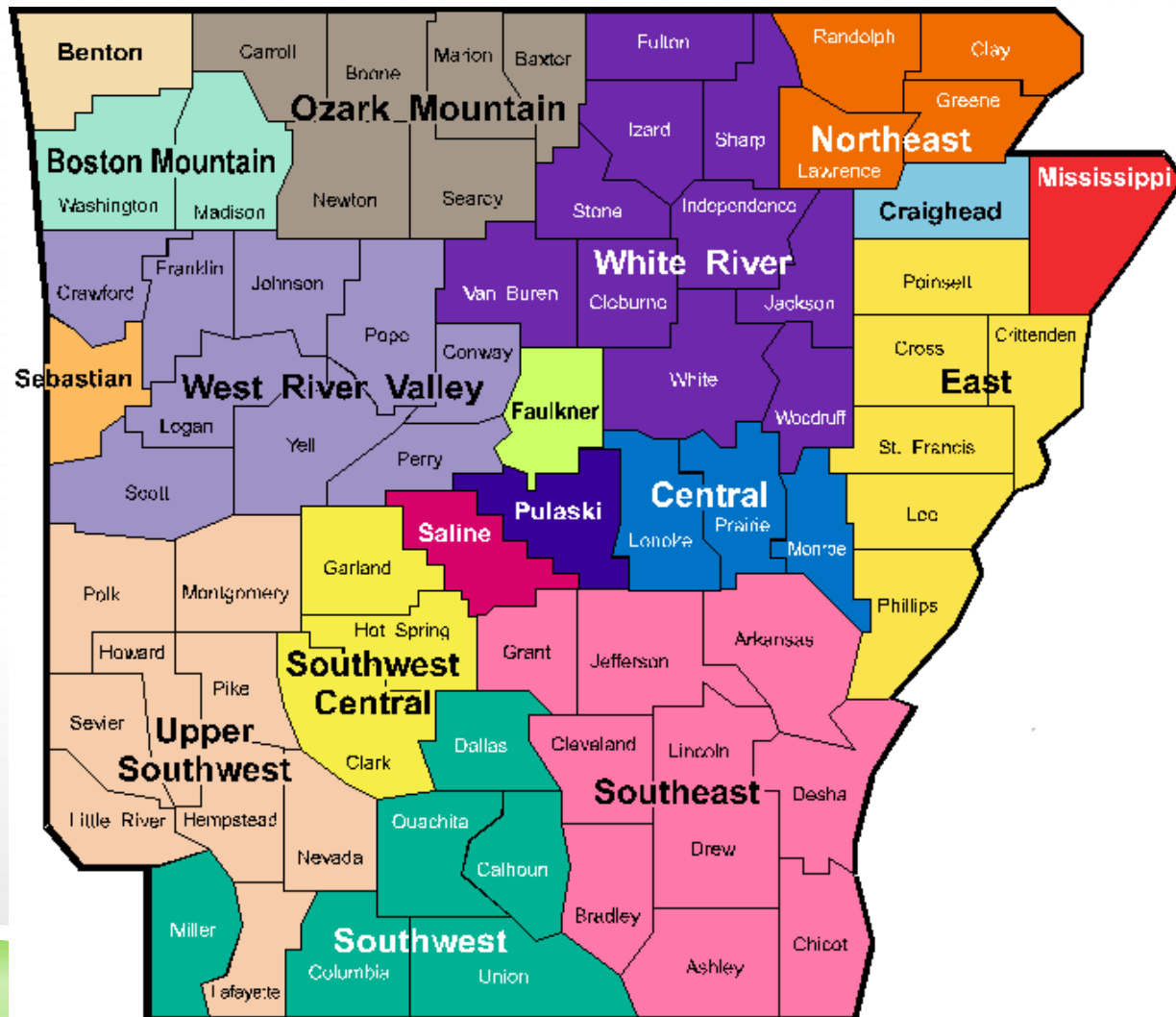
- Northwest Arkansas EDD
- White River PDD
- East Arkansas PDD
- Southeast Arkansas EDD
- Central Arkansas PDD
- West Central Arkansas PDD
- Southwest Arkansas PDD
- Western Arkansas PDD

# SW PLAN AND REGIONAL APPROACH

- Act 752 of 1991
  - ▶ Allowed Districts to merge or become single-county districts

# DISTRICTS IN 2011

18 Districts



Revised 06/01/11

# OPPORTUNITY TO RECYCLE

“Beginning July 1, 1992, each regional solid waste management board shall ensure that its residents have an opportunity to recycle.”

“Opportunity to recycle” means availability of curbside pickup or collection centers for recyclable materials at sites that are convenient for persons to use.”



# ARKANSAS CODE 8-6-101

- Policy to encourage and promote recycling
- Adopted goal 40% recycling of MWS by 2005
- Goal of 45% by 2010

2010 - State  
recycled 32.7%

# What's in the Waste Stream?

2009 MSW



# SUCCESS STORIES

- Charleston Schools
- Madison County Recycling
- Faulkner County/City of Conway
- Virco Manufacturing
- Frito-Lay



# OPPORTUNITIES TO RECYCLE

- Riverfest 2010
  - ▶ 17 tons recyclables
- Recycling with the Razorbacks
  - ▶ 45 tons 2008
  - ▶ 3.7 tons two 2010 games



- City of Arkadelphia

# FEDERAL RCRA SUB-TITLE D

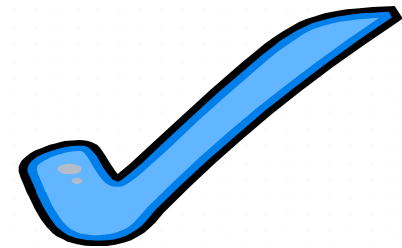
- October 1993
  - ▶ New permitting requirements
  - ▶ Reduced number of Class I Landfills
  - ▶ Required state to develop Plan
  - ▶ Required closure of dumps, some landfills

# ACT 1376 OF 2001

- Regional District requirements for:
  - ▶ Strategic planning
  - ▶ Reporting
  - ▶ Public notice and participation
  - ▶ Services
  - ▶ Solutions

# THE BEST OF THE PLAN

- Better defined responsibilities
- Began process of developing strategies
- Defined relationship
- Provided exposure to existing programs



# MORE WORK NEEDED

- Regional planning
- Minimal attention to:
  - ▶ Waste reduction
  - ▶ Public participation
  - ▶ Public education
  - ▶ Business, industry participation
  - ▶ Future planning needs



# MORE WORK NEEDED *CONT.*

- Minimal attention to:
  - ▶ Evolution
  - ▶ Plans for changing waste streams
  - ▶ Maintaining, updating Plans



# GOAL IS SUSTAINABILITY

- Regional planning
- Sustainability and waste reduction



# SUSTAINABILITY, BECAUSE...

- Survival
- Technology advances
- Green business is ready



# SUSTAINABILITY, BECAUSE...

The US represents 5% of the world's population, but consumes 25% of the world's natural resources.



# FEED PEOPLE, NOT LANDFILLS

- Food is 34% of waste stream in landfills
- Americans discard 200,000 tons of food daily
- Wal-Mart



# WHAT ABOUT SOURCE REDUCTION?

- Reducing amount of waste created
  - ▶ Designing products or packaging for less waste
  - ▶ Reusing existing products or packaging

# WHAT ABOUT RECYCLING?

- From waste to valuable resources
- In USA:
  - ▶ Recycling recovered almost 34% of MSW in 2009
  - ▶ 9-thousand curbside programs
  - ▶ 3-thousand composting programs

# PROBLEMS AND POTENTIAL

“Pollution is nothing but the resources we are not harvesting.

We allow them to disperse because we've been ignorant of their value.”

*-R. Buckminster Fuller*



# YOUR EXPERIENCE, YOUR KNOWLEDGE

“Coming together is a beginning.  
Keeping together is progress.  
Working together is success.”

*-Henry Ford*

# YOUR EXPERIENCE, YOUR KNOWLEDGE

- Does Arkansas need an environmental curriculum?
- How do we preserve our environment?
- How do we protect wildlife?



# YOUR EXPERIENCE, YOUR KNOWLEDGE

- Encourage green building practices?
- Get more businesses involved?
- Create jobs?
- Increase recycling?



# DISPOSAL 2010

## 3.2 MILLION TONS

- Our opportunities
  - ▶ Waste reduction
  - ▶ Recycling networks
  - ▶ Waste-to-energy
  - ▶ Curbside recycling
  - ▶ Industry participation
  - ▶ Comprehensive website
  - ▶ Promotion and marketing

# WHERE DO WE GO FROM HERE?

Karen Bassett, Chief Deputy Director

# INITIAL DECISIONS

- Are you willing to participate?
- Should sub-committees be established?
- How often should group meet?
- What process should we use to proceed?

*Discussion*

# WORKGROUP EVENTS

- August 24, 2011 Kickoff meeting
- Sept. 2011 - July 2012 Complete draft
- Aug. 2012 - Dec. 2012 Stakeholder meetings
- March 2013 Final draft
- March 2013 - Oct. 2013 SW Districts develop Plans
- Nov. 1, 2013 SW Plans become Effective

# We need your help

