A&WMA Southern Section Conference

September 23, 2016

Michael Norman, Chief

RCRA Cleanup and Brownfields Branch

Resource Conservation and Restoration Division

U.S. Environmental Protection Agency

Resource Conservation and Restoration Division

EPA Region 4 - 61 Forsyth Street, SW Atlanta, GA 30303-8960
Telephone: 404-562-8651 Fax: 404-562-8063

Alan Farmer, Director
404-562-8313

Jeffrey Pallas, Deputy Director
404-562-8569

Brownfields Program

Number of EPA Region 4 Assessment, RLF, and Cleanup Awards Received

State	Fiscal Year 2016	Fiscal Year 2015	Fiscal Year 2014	Fiscal Year 2013
Alabama	***2***	*0*	1	2
Florida	***5***	*10*	2	9
Georgia	***1***	*1*	2	4
Kentucky	***3***	*4*	2	2
Mississippi	***4***	*4*	5	6
North Carolina	***4***	*3*	10	5
South Carolina	***5***	*3*	5	2
Tennessee	***3***	*1*	1	2
Total # Grants	***27***	*26*	28	32
Funding Received	***$9,642,000***	*$8,758,600*	$10,649,999	$13,200,000
National Funding	***$55.2M***	*$54.3M*	$67.0M	$62.5M

Upcoming Brownfields Grant Competitions

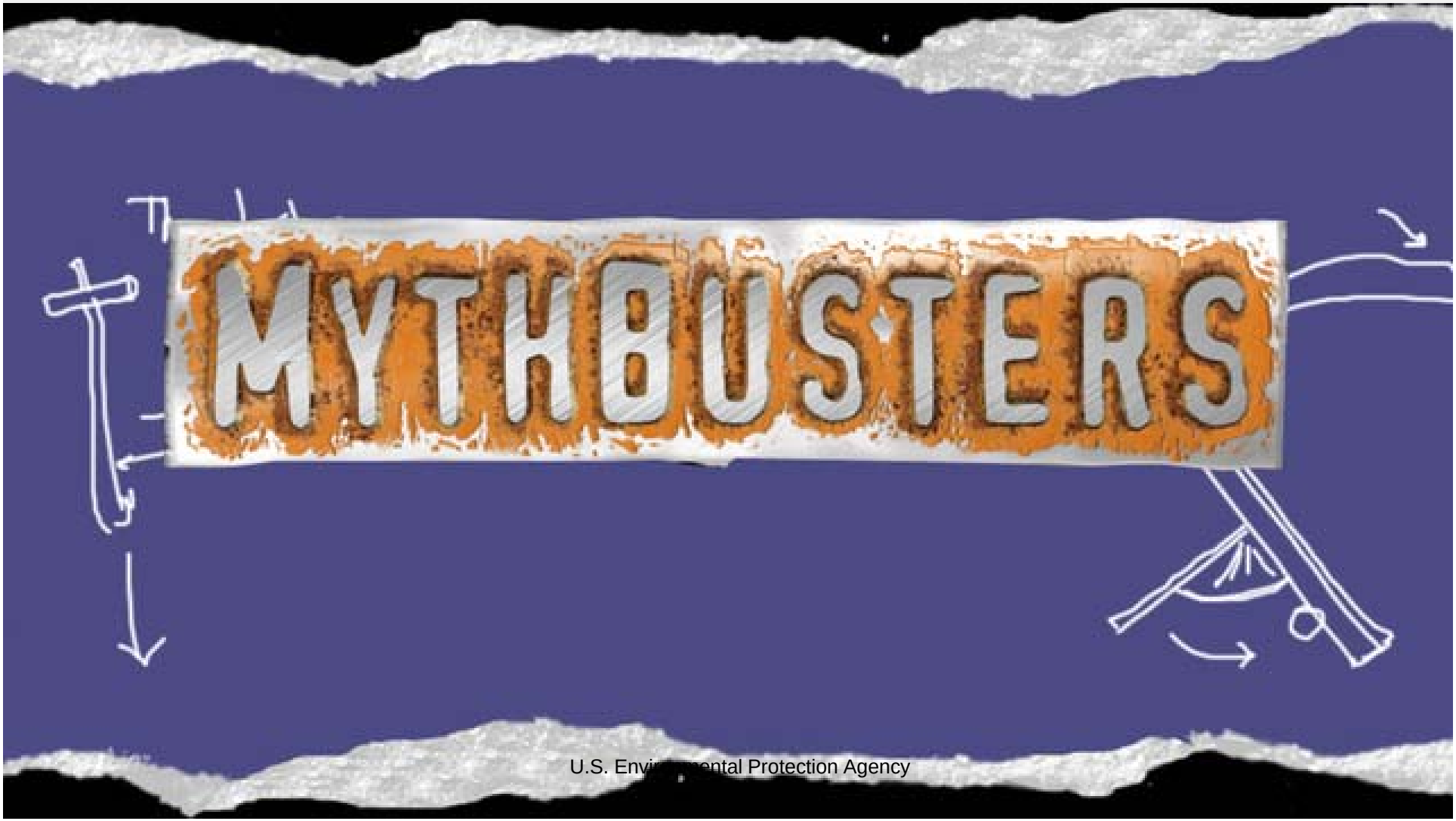
- Assessment and Cleanup
- Environmental Workforce Development and Job Training
- Area Wide Planning (closed August 10, 2016)
- RLF Supplemental

Brownfields Program Direction

- Helping grantees move to the next level
- State Brownfields Associations
- More cleanup grants

A Tale of Two Regions

Cleanup Grants Received		
Year	Region 1	Region 4
2013	24	12
2014	35	5
2015	19	11
2016	20	9
Total	98	37


MYTHBUSTERS

Myth #1

I will be liable for a Superfund cleanup if I purchase a contaminated property.

Myth #1

I will be liable for a Superfund cleanup if I purchase a contaminated property.

Reality: The Brownfields Law of 2002 amended Superfund to create the Bona Fide Prospective Purchaser liability exemption.

Myth #2

I cannot afford to adequately assess a site and create an Analysis of Brownfields Cleanup Alternatives (ABCA).

Myth #2

I cannot afford to adequately assess a site and create an Analysis of Brownfields Cleanup alternatives.

Reality: EPA may be able to provide assistance through a Targeted Brownfields Assessment.

Myth #3

A Brownfields Cleanup grant will not provide enough funding to completely remediate my site.

Myth #3

A Brownfields Cleanup grant will not provide enough funding to completely remediate my site.

Reality: Let’s see if we can subdivide the property.

Myth #4

I could be stuck holding a contaminated property without the funds to clean it up.

Myth #4

I could be stuck holding a contaminated property without the funds to clean it up.

Reality: 75% of Region 4 cleanup grant applicants received funding in 2016 versus 24% for assessment grant applicants.

Myth #5

I can’t afford the 20% cost share.

Myth #5

I can’t afford the 20% cost share.

Reality: Applicants can request a hardship waiver. Additionally, certain in-kind services can count toward the cost share.

Brownfields2017
SUSTAINABLE COMMUNITIES START HERE

EPA United States Environmental Protection Agency

ICMA Leaders at the Core of Better Communities

SAVE THE DATE!

Join us in Pittsburgh • December 5-7, 2017

With pre-conference programming on December 4th

Photos courtesy of EPA

2017 NATIONAL BROWNFIELDS TRAINING CONFERENCE

Pittsburgh • David L. Lawrence Convention Center • December 5-7, 2017

Visit www.brownfields2017.org for more information.

RCRA Corrective Action

2020 RCRA Cleanup Baseline

- 3779 facilities nationally, 560 in Region 4
- EPA set a goal of having human exposure and groundwater migration under control and remedy construction completed at 95% of these facilities by the end of 2020

Progress Toward 2020 Goals

	Region 4	Nationwide
Human Exposure	96	89
Groundwater Migration	92	81
Construction Complete	66	62
Performance Standards Attained	27	28

Reflects data as of September 14, 2016.

Individual Facility Assessments
Potential Barriers to Achievement of 2020 Goals

- Technical
  - Groundwater - most predominant barrier
  - Indoor Air/Vapor Intrusion
- Resources
  - State Resources
  - Federal Resources
- Orphan Sites/Financial
  - Financial-Inability to Pay
  - Financial-Bankruptcy
  - Orphan Sites

Groundwater Challenges Identified in IFA

- Complex Geology
- Groundwater not fully characterized/ ongoing GW investigation
- Off-site sources of GW contamination
- DNAPL
- Low state cleanup target levels for COCs
- Multiple plumes
- Perchlorate

Efforts Underway

- RCRA FIRST (Lean Process to streamline investigations and remedy selection)
- CERCLA Authorities
- EDD/GIS and other tools

Other Focus Areas

- Long-term stewardship
- Financial Assurance
- Vapor Intrusion
- Per- & Poly-Fluorinated Alkyl Substances (PFAS)
- Updated health-based standards
- Beyond 2020

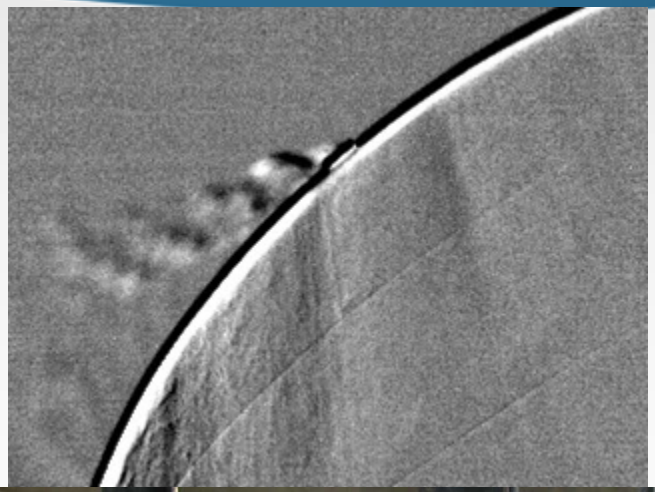
RCRA Permitting

RCRA Permitting

- EPA's role
- Permit Writer Training
- AA/BB/CC Training
- New permitting metric

RCRA Air Emissions NEI Background

- Air Emissions are a high priority for RCRA:
  - Hazardous waste air emissions can have high toxicity, corrosivity, and ignitability.
  - Very large volumes of hazardous wastes are generated each year (approximately 34 millions tons);
  - Releases to the air can harm workers and have off-site migration potential for nearby communities;



Spot 6.2 °F
FLIR
Tref 68.0 ε 0.95 10/19/2012 10:24

40th Anniversary of RCRA

President Ford signed the Resource Conservation and Recovery Act on October 21, 1976.

Community Engagement

Activities

- Enhanced Community Engagement at a number of Corrective Action facilities
- New tools
- Community Education

Thank you.

Questions?