



**GEORGIA**  
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

# Land Protection Branch Update

**Jason Metzger**  
Program Manager

**Air & Waste Management Association**  
**Southern Section Annual Meeting**  
September 28, 2018



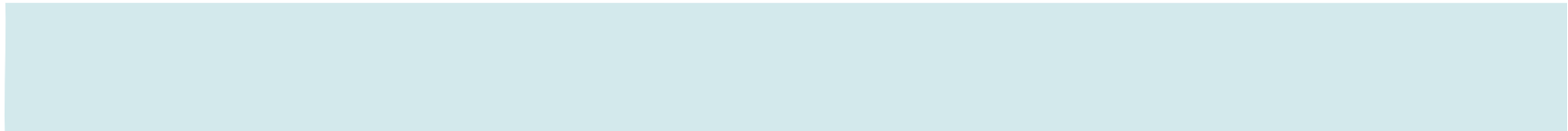
# EPD VISION FOR LPB

## Goals:

- Productive land
- Healthy citizens
- Vibrant economy

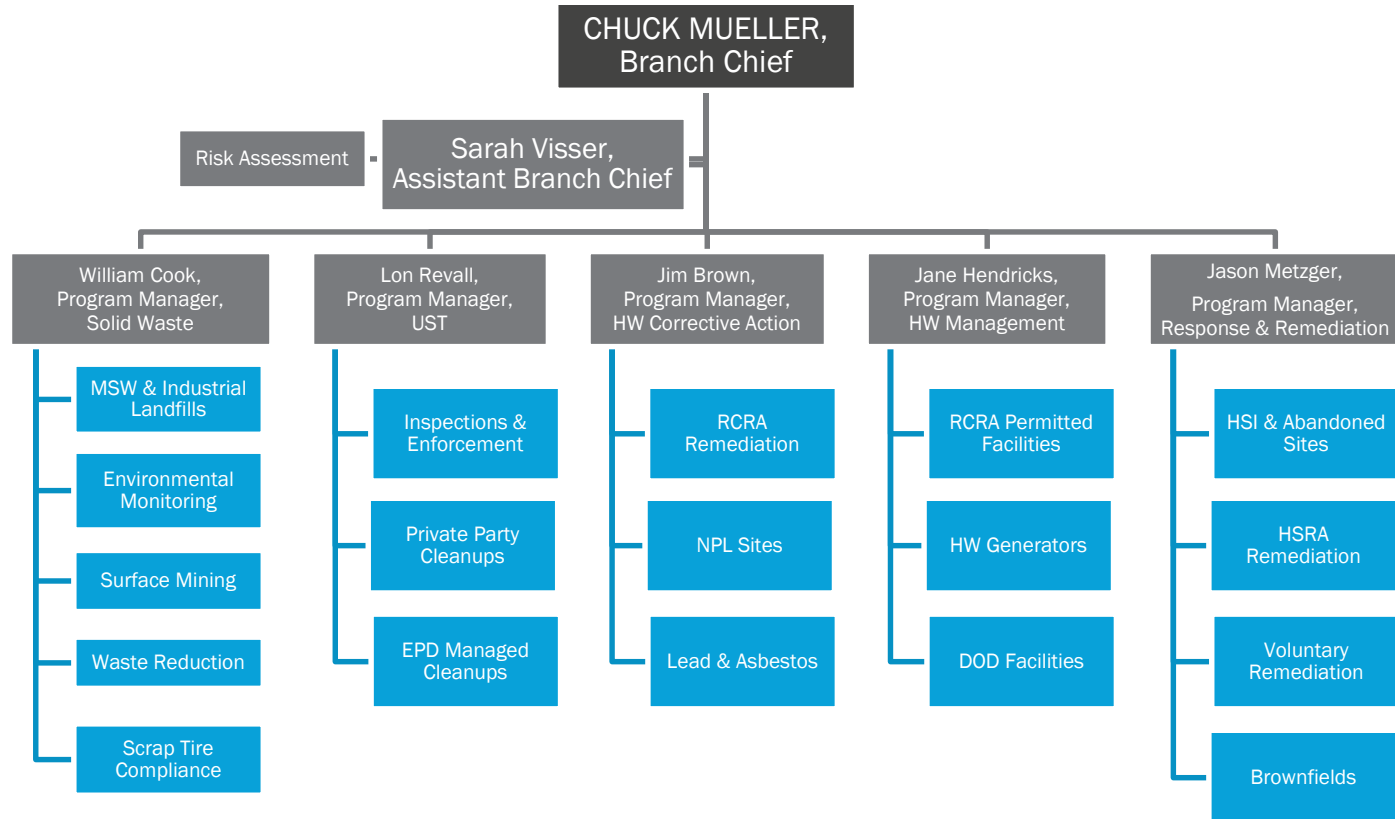
## Through:

- Preventing harmful releases to land
- Restoring the land when needed
- Promoting resource conservation





# BRANCH ORGANIZATION





## LAND BRANCH

- Five Programs
- Four to Six Units per Program
- Approximately 195 Positions
- 30 Manager Positions
- EPD FY18 Turnover Rate 12%
- Funding Sources
  - State appropriations, GUST, SWTF, HWTF
  - Fee-based programs – Brownfield and VRP
  - Federal



# BY THE NUMBERS

Underground  
Storage Tanks



29,273

Scrap Tire  
Generators



6,996

Hazardous Waste  
Generators



5,007

Asbestos  
Projects



2,639

Surface Mining  
Permits



747

Hazardous Sites  
Inventory



521



# BY THE NUMBERS

## Active Brownfields Projects



367

## Scrap Tire Piles



55

## RCRA TSD Facilities



54

## NPL Sites



16

## Permitted Landfills



209

75 Inert

51 MSW

43 Industrial

40 C&D





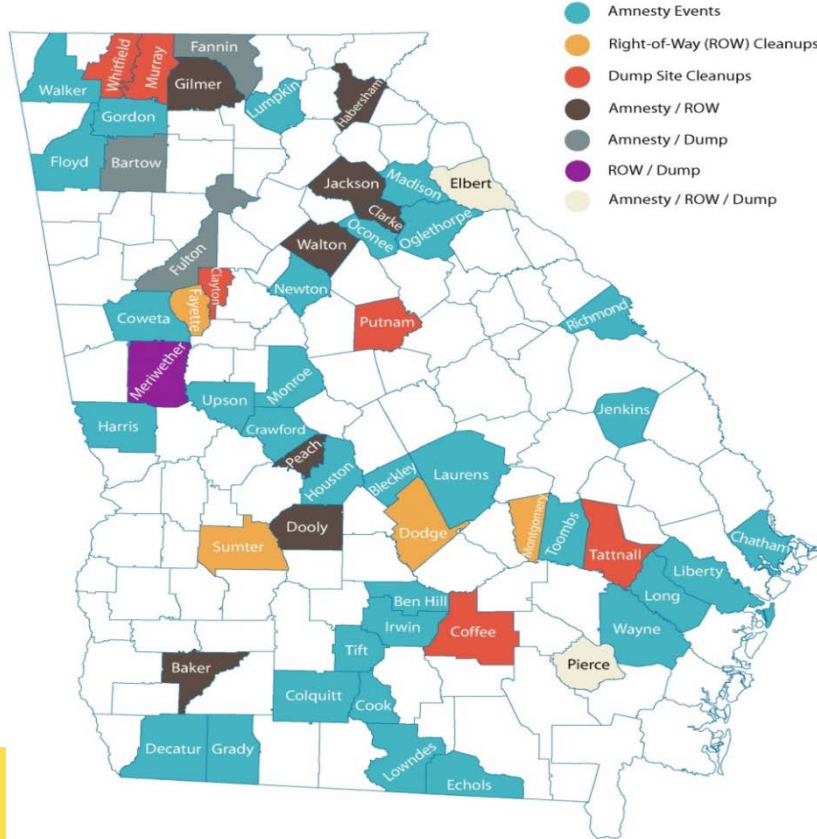
# SOLID WASTE TRUST FUND

- Up for Reauthorization in 2019
- Scrap Tire Fees
- Reimburse local government for scrap tire costs
- Abandoned landfill investigation and closure





# SOLID WASTE TRUST FUND



## Scrap Tire Abatement Reimbursement (STAR) Program for Local Governments

FY	Tires Removed	Cleanup Cost
2016	1,723	\$2,245
2017	13,484	\$43,055
2018	238,749	\$533,077
Totals	253,956	\$578,377





# HAZARDOUS WASTE TRUST FUND

- Up for Reauthorization in 2019
- Solid Waste tipping fees, Generator fees, Penalties
- Reimburse local government landfill costs
- Abandoned site cleanups





# REVISED REGULATIONS COAL COMBUSTION RESIDUALS (CCR)

- Rule Effective November 2016
- State permit applications due for all CCR Units  
11/22/18
- Application for Federal Permit Program Approval  
Submitted April 2018
- Consolidated Comments Email 8/10/18



# **REVISED REGULATIONS**

## **SOLID WASTE RULE REVISIONS**

Rule Modernization adopted February 2018:

- 1) Permit review periods for all new and existing Solid Waste Handling Permits;
- 2) Ability to decrease post-closure care period for Construction and Demolition and Inert landfills;
- 3) Training requirements and increased thresholds for Class 2 Composting Facilities; and
- 4) Clarifying requirements for Scrap Tire Sorters.



# **REVISED REGULATIONS**

## **HAZARDOUS SITE RESPONSE RULE REVISIONS**

Rule Updates adopted August 2018 (effective 9/25/18):

- 1) Reflect changes in scientific understanding since 1994
- 2) Provide Consistency in Cleanup Standards
- 3) Reduce risk from contaminated sites
- 4) Correct values in the current lookup tables
- 5) Set easily calculated default cleanup standards
- 6) Provide additional flexibility for site-specific conditions



# **REVISED REGULATIONS**

## **HAZARDOUS SITE RESPONSE RULE REVISIONS**

Additional Flexibility Added:

- 1) Use of area-averaging
- 2) Use of composite sampling
- 3) Use of covenants for non-residential groundwater compliance.
- 4) Use of existing groundwater data to show soils are protective.
- 5) Consideration of anthropogenic sources and background studies.
- 6) Accounts for migration risk in determining free-product removal requirements.
- 7) Additional look up tables to be provided on EPD website.





## **REVISED REGULATIONS HAZARDOUS WASTE MANAGEMENT RULE REVISIONS**

- 1) Hazardous Waste Generator Improvement Rule
- 2) Hazardous Waste Export-Import Revisions.
- 3) Both rules effective September 28, 2017
- 4) EPA proposed approval in August 13, 2018  
Federal Register.



# LAND INITIATIVES

- GEOS / LEMIR
- Guidance Development – Stakeholder Process
  - Georgia Risk Assessment Guidance
  - Vapor Intrusion
  - Area Averaging
  - Soil to Groundwater Leaching Pathway
- VRP Unit Transition
- Digital Copies of Notifications
- Contractor and Staff-led Investigations and Cleanups
- Site Prioritization / Timely Reviews / Inactive Sites



# GEOS

- Lead / Asbestos Abatement Notification / Certification / Accreditation
- Brownfield Application
- Haz Substance and Haz Waste Fee Reporting / Payment
- Scrap Tire Generator / Carrier / Sorter / Processor
- Trust Fund Reimbursement Requests
- UST Notification / CAP / Reporting
- Voluntary Remediation Program Application



# GEOS

In Progress – Scheduled for 1<sup>st</sup> Q 2019

- Solid Waste Handling Permits
- Permit-By-Rule
- Solid Waste Reporting



# WHY ENROLL IN THE VRP?

- More flexible framework to meet compliance obligations
- Update compliance status
- Make property “Brownfield Ready”
  - Make sure cleanup meets all Brownfield requirements (source material, use of controls)
- Defer HSI listing (case-by-case basis)
- Framework for EPD concurrence with investigation / cleanup that is not otherwise regulated





# VRP WEBPAGE

[www.epd.georgia.gov/voluntary-remediation](http://www.epd.georgia.gov/voluntary-remediation)

GEORGIA.GOV



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## Voluntary Remediation

Georgia's [Voluntary Remediation Program Act](#) became effective on June 1, 2009. This Act was created to encourage voluntary investigation and remediation of contaminated properties.

EPD appreciates your interest in participating in this program and, as [announced by the EPD director on Jan. 6, 2010](#), is currently accepting applications. On [April 1, 2010, the director announced](#) a change to the application checklist and forms and eliminated provisional acceptance and additional allowance of time for completing applications. Please review this announcement for the revised provisions.

[Frequently Asked Questions](#) [Revised July 2015]

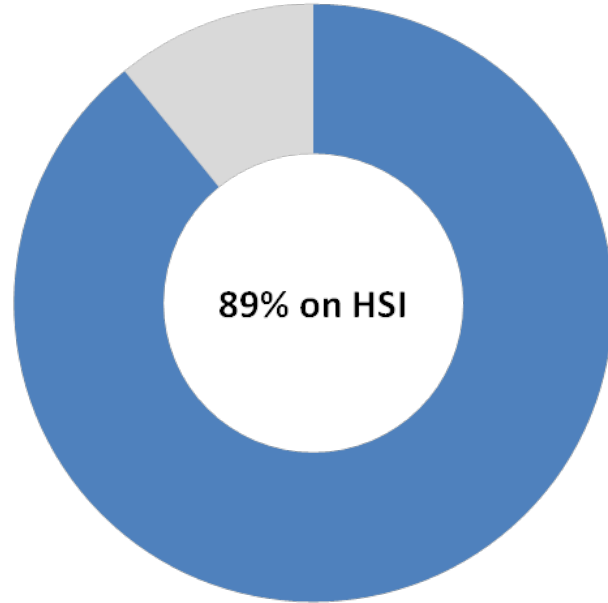
[Voluntary Remediation Plan Application and Checklist](#) (MS Word) [Revised Dec. 9, 2010]

[Voluntary Remediation Plan Application and Checklist](#) (Adobe PDF) [Revised Dec. 9, 2010]

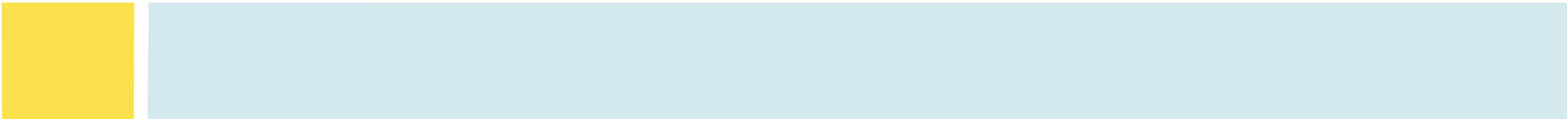
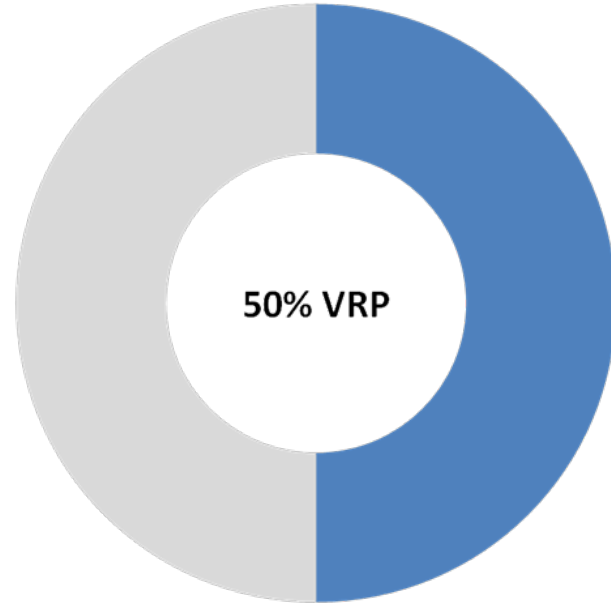


# VRP AND THE HAZARDOUS SITE INVENTORY

**VRP Applications: % on HSI**

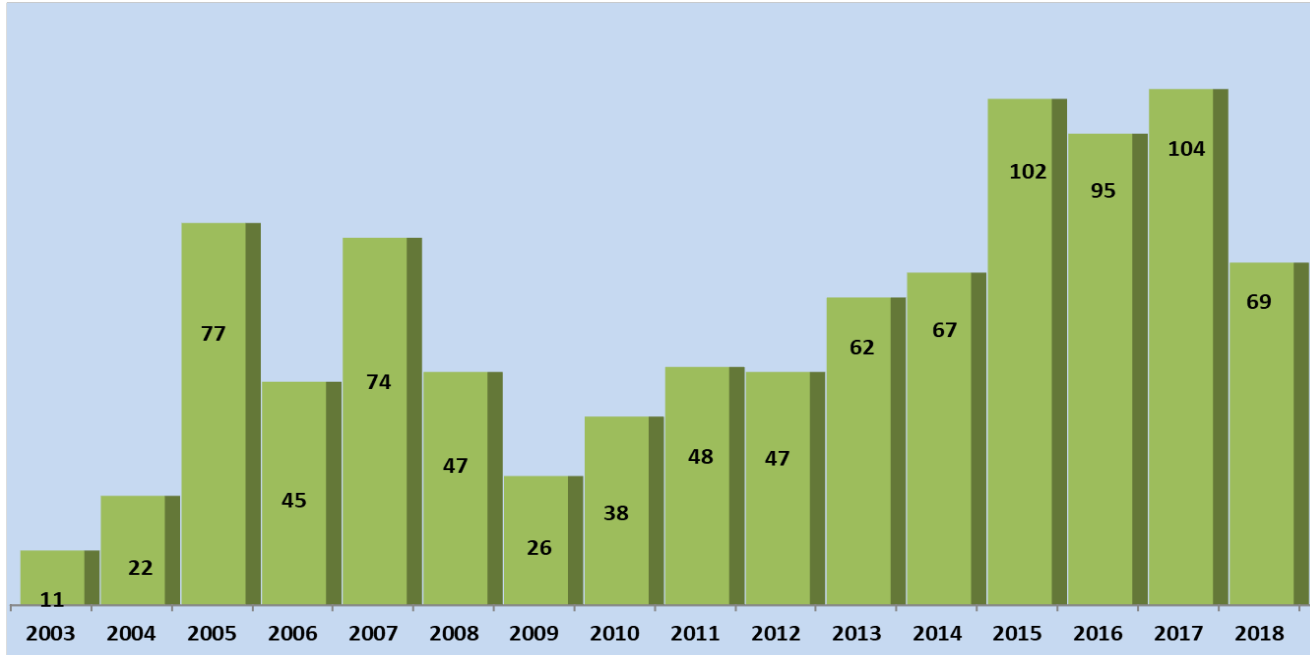


**HSI Delistings in Last 3 Years**





# BROWNFIELD APPLICATIONS





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