



Virginia Department of Corrections, Environmental Services Unit

Robert P. Barksdale- Eastern Region Environmental Specialist



Organization



- ▶ VADOC- 40 institutions
 - ▶ 30,000 offenders
 - ▶ 10,000 staff
- ▶ Environmental Services Unit established 2001
 - ▶ Water Treatment/Wastewater (2001)
 - ▶ Pollution Prevention (2004)
 - ▶ Remediation/demolition Section
 - ▶ Regional Environmental Specialists
 - ▶ Pesticide Program
 - ▶ Air Compliance
 - ▶ Boiler Plant Operation
 - ▶ Emergency Generators
 - ▶ Recycling/composting (2009)
- ▶ 6 Governor's Environmental Excellence awards



Pollution Prevention

- ▶ Regional Environmental Specialists
 - ▶ Gauge and assist with regulatory compliance
 - ▶ Environmental Assessments
 - ▶ VEEP participation/guidance
- ▶ Air Compliance
 - ▶ Boiler plant staff (75)
 - ▶ Air permitting compliance
 - ▶ Spray booths
 - ▶ Emergency generator
 - ▶ Nuisance dust
- ▶ Pesticide Program
 - ▶ Statewide pesticide management and assistance



Pollution Prevention

Regional Environmental Specialists

- ▶ In charge of Environmental Compliance for assigned region
- ▶ Conducts comprehensive Environmental Assessments
 - ▶ Multi day inspection of facility
 - ▶ RCRA, CWA, CAA, RMW, SPCC, ODCP
- ▶ Tasked with asbestos and lead based paint hazard identification
- ▶ Point of contact between VADEQ/EPA and VADOC



Pollution Prevention

Remediation/Demolition

- ▶ Primary function
 - ▶ Provide environmental remediation assistance to facilities
 - ▶ Spill cleanup
 - ▶ Potable water supply
 - ▶ Firing range abatement
 - ▶ Dam rebuild
 - ▶ Demolition of closed correctional facilities
 - ▶ Southampton Correctional Center (2012) (Gold GEEA)
 - ▶ Mecklenburg Correctional Center (2016) (Bronze GEEA)
 - ▶ Brunswick Correctional Center



Pollution Prevention

Mecklenburg Recycling and Deconstruction project

- ▶ Recycled by weight 99.53% of the entire correctional center
 - ▶ Strategic waste sorting
 - ▶ Utilization of a multiprocessing unit
 - ▶ Distribution of any usable state property to other state agencies
- ▶ Crush rock/ concrete/ brick to be sold to the public
- ▶ Won bronze in the 2016 Governor's Environmental Excellence award
- ▶ Allows offenders to receive invaluable training on heavy equipment



Waste Water/ Water Treatment

- ▶ Provides waste water treatment services and Water Treatment Services to the prison and sometimes local municipalities
- ▶ VERY Successful Reentry Program
 - ▶ Offenders are provided training in water and wastewater treatment, and licensed through DPOR as an operator
 - ▶ GOAL- successful employment upon release from incarceration
 - ▶ Success Story- multiple former offenders now work for us at our plants!



Recycling and Composting Program

- ▶ Won the 2009 Bronze Governor's Environmental Excellence award
 - ▶ Led by our statewide recycling and sustainability manager
- ▶ Waste diversion rate of 16.12%
- ▶ 2 licensed compost farms
 - ▶ State farm in Goochland
 - ▶ Bland Correctional Center
- ▶ Food dehydrator pilot project- Augusta Correctional Center
 - ▶ Reduced volume by 90%
 - ▶ Dehydrated food matter to be used by agribusiness on farms and as animal feed



Virginia Environmental Excellence Program

- ▶ 35+ facilities currently participating
 - ▶ Including multiple probation and parole offices, and regional offices
- ▶ Mandatory for our facilities to participate, if eligible
- ▶ Currently working on St. Brides Correctional Center becoming E3
 - ▶ Pilot program, that will hopefully spread
- ▶ VADOC as a whole participates as a Sustainability Partner



Questions!

Thank you!