



# Hanover County

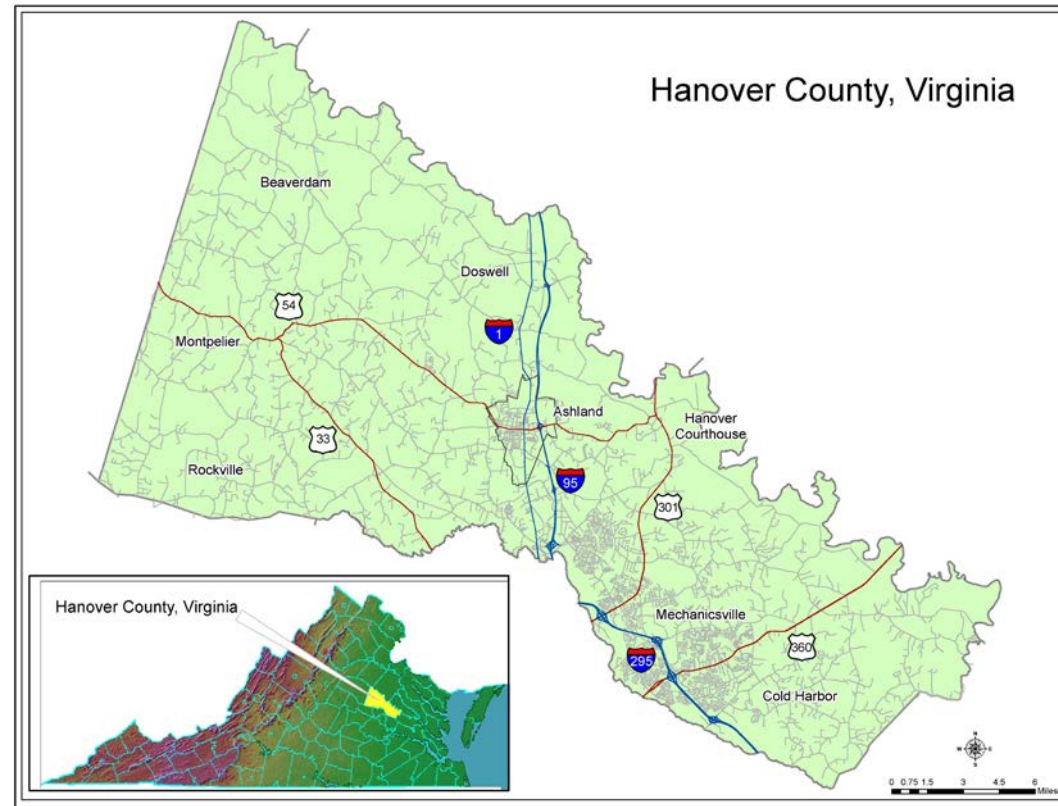
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NOVEMBER 2014

VIRGINIA ASSOCIATION OF COUNTIES (VACO) PRESENTATION

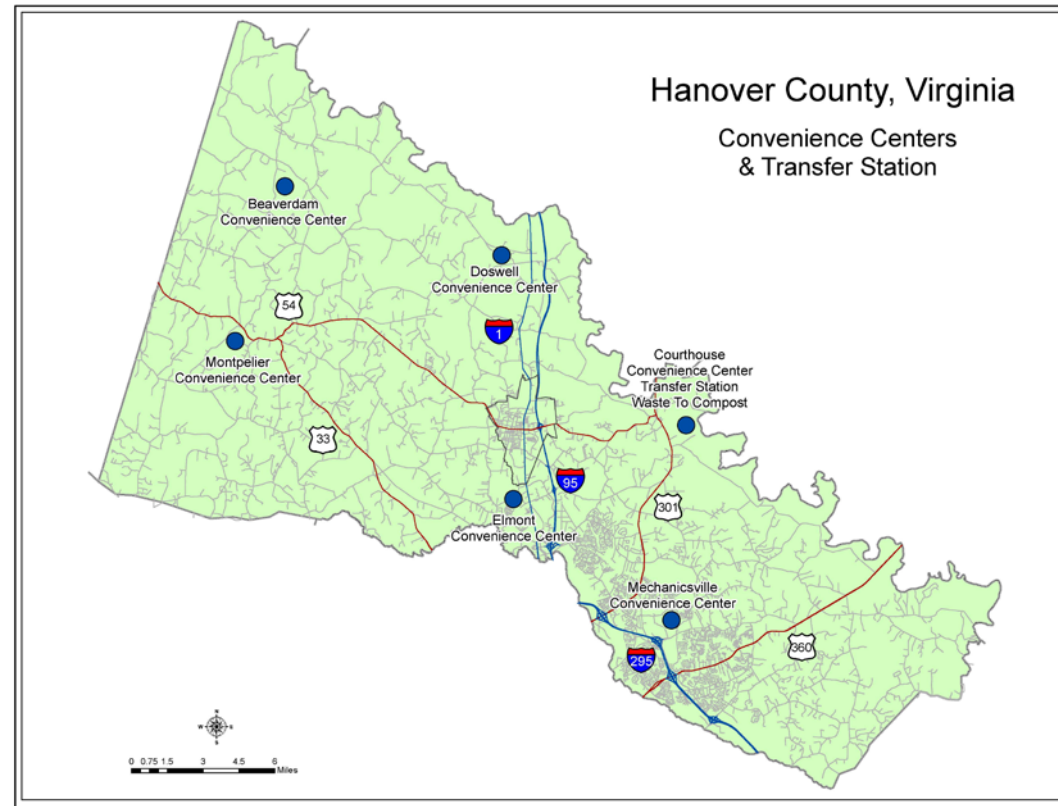
# Hanover County

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# Our solid waste convenience centers

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# MS4 Localities

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Arlington County	Phase I	City of Roanoke	Phase II	City of Winchester	Phase II
Fairfax County	Phase I	City of Richmond	Phase II	Town of Bridgewater	Phase II
Prince William County	Phase I	City of Lynchburg	Phase II	County of Stafford	Phase II
Chesterfield County	Phase I	City of Colonial Heights	Phase II	City of Alexandria	Phase II
Henrico County	Phase I	City of Salem	Phase II	City of Fredericksburg	Phase II
Chesapeake City	Phase I	Town of Ashland	Phase II	Town of Leesburg	Phase II
Hampton City	Phase I	<b>County of Hanover</b>	<b>Phase II</b>	Town of Herndon	Phase II
Newport News City	Phase I	City of Petersburg	Phase II	City of Manassas	Phase II
Norfolk City	Phase I	City of Hopewell	Phase II	City of Fairfax	Phase II
Portsmouth City	Phase I	City of Danville	Phase II	City of Falls Church	Phase II
Virginia Beach City	Phase I	Town of Blacksburg	Phase II	Town of Vienna	Phase II
		County of Isle of Wight	Phase II	County of Loudoun	Phase II
		County of Roanoke	Phase II	City of Manassas Park	Phase II
		County of Botetourt	Phase II	County of Albemarle	Phase II
		City of Poquoson	Phase II	City of Harrisonburg	Phase II
		Town of Christiansburg	Phase II	Fauquier County	Phase II
		Town of Vinton	Phase II	Town of Warrenton	Phase II
		City of Williamsburg	Phase II	Augusta County	Phase II
		County of York	Phase II	City of Staunton	Phase II
		City of Suffolk	Phase II	City of Waynesboro	Phase II
		County of James City	Phase II	Montgomery County	Phase II
		City of Bristol	Phase II	City of Radford	Phase II
		City of Charlottesville	Phase II	Town of Abingdon	Phase II

Source: DEQ – MS4 Permits

# Background:

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- Hanover County is a Phase II MS4 Permit Holder (Municipal Separate Storm Sewer System)  
Initial Coverage 2003
- 2005 EPA Audit
- Minimum Control Measure 6 – Pollution Prevention / Good House Keeping for Municipal Operations  
High Priority Site Identification
  - composting Facilities
  - equipment storage and maintenance facilities
  - materials storage yards
  - pesticides storage facilities
  - public works yards
  - recycling facilities
  - salt storage facilities
  - solid waste handling and transfer facilities**
  - vehicle storage and maintenance yards

# MS4 is Serious Business

## EPA Region III Enforcement (VA)

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Permittee Name	Inspect Date	308 Letter	Admin Order	Penalty Sought	Status
Charlottesville	3/2012	No	4/2013	50,000	Settled 4/2013; \$26,000
Chesapeake	6/2010	No	6/2011	77,000	Settled 4/2012; \$10,000 fine, \$20,000 SEPs
Chesterfield Co.	4/2010	No	4/2011	131,000	Settled 12/2011; \$77,866
Fairfax Co.	6/2011	No	10/2012	N/A	AO issued 11/2012 – ordered Indust. & High Risk Runoff program improvement; no penalties
George Mason U.	11/2011	No	4/2014	\$12,000	
Hampton	3/2010	9/2011	9/2011	70,000	Settled 12/2012; \$62,000
Henrico Co.	4/2010	No	4/2011	164,300	Settled 5/2012; \$82,000
Lynchburg	3/2012	No	4/2013	60,000	Settled 7/2013 \$32,000
Newport News	6/2010	No	9/2011	155,000	Settled 5/2012; \$80,000
Richmond	1/2012	No			Settled 5/2014; \$12,000
Va Beach	6/2012				Audit findings from EPA received 1/2013
22 Phase II MS4s	N/A	4/2013			Based on desktop paper audits of all VA Phase II MS4s



# The Problem





# Gasket Doors on Roll off Cans







Capture and treat  
drainage from  
compactors

House Keeping

02.10.2012 11:57





Modified  
compactors to  
capture material





Modified compactors to limit rain water







Treat and  
prevent runoff





# Preventing contamination

# VACo visits Board meetings to present Achievement Awards

