

Waste Water Treatment Alternatives for Accomack County



Permit Options for Waste Water Treatment in Accomack County

DEQ Water Quality Permits:

- Virginia Pollutant Discharge Elimination System (VPDES)
- Virginia Pollution Abatement Permit (VPA)

EPA Permits:

- Subsurface Discharge
 - Rapid infiltration basins
 - Deep well injection

Permit Options for Waste Water Treatment in Accomack County

VPDES Permit:

- Required when there is a point source discharge of pollutants to surface waters
- Permit includes:
 - Effluent limitations
 - Self monitoring and self reporting requirements

Permit Options for Waste Water Treatment in Accomack County

VPDES surface water discharge



Permit Options for Waste Water Treatment in Accomack County

VPDES Permit considerations

- Shellfish Protection
 - No new condemnation areas can be created
 - Alternative analysis required

Permit Options for Waste Water Treatment in Accomack County

VPDES Permit considerations

- Nutrients
 - No discharge of additional nutrients to the Bay
 - Treatment upgrades potentially required
 - Nutrients offset through trade or purchase of nutrient credits

Permit Options for Waste Water Treatment in Accomack County

VPDES Permit considerations

- STP Capacity
 - Onancock currently permitted for 0.750 MGD
 - Expansion requires a permit modification

Permit Options for Waste Water Treatment in Accomack County

VPA Permit:

- This permit is required where an owner manages the pollutants without having a point source discharge to surface waters.
- It is applicable where wastewaters are land applied or recycled/reuse.
- Permit includes:
 - Management requirements
 - Nutrient management plan for assessing crop uptake
 - Self-monitoring and self reporting requirements

Permit Options for Waste Water Treatment in Accomack County

- VPA - Waste water land application



Permit Options for Waste Water Treatment in Accomack County

VPA Permit Considerations:

- Additional treatment may be required for reuse
- Application fields
- Seasonal application restrictions
- Storage requirements

DEQ Financial Assistance

- Administered by Construction Assistance Program
- Virginia Clean Water Revolving Loan Fund –
 - Federal money administered by DEQ in coordination and cooperation with EPA
- Provides low interest loans to enhance or improve surface water quality
- The program is designed to provide bonded debt funding for treatment plant improvements and upgrades, collection system improvements

DEQ Financial Assistance

- Revolving Loan Fund Applications are solicited every July.
- Robert Aaron – Tidewater Regional Office
Construction Assistance Program
Representative



www.deq.virginia.gov