

## New Wastewater Nutrient Loading Sources

Source Type	Biosolid	Spray Irrigation on Ag land	Spray Irrigation on non-Ag land	Rapid Infiltration	Large Monitored onsite system	Boat Discharge
Definition	Wastewater treatment sludge applied to Ag land	Wastewater effluent (less treated) applied to Ag land	Wastewater effluent (less treated) applied to non- Ag land	Standard wastewater treatment plant effluent discharge to ground through rapid infiltration basin	Community or commercial wastewater treatment system discharge through drainfield to ground	Boat sewage wastewater discharged to surface water
Load discharged to	ground	ground	ground	ground	ground	surface water
Land type	Ag land	Ag land	Golf course and grass field	infiltration basin/ large septic drianfield	large septic drainfield	
In Phase V	Only VA	No	No	No	No	No
Data collection	in process	in process	in process	not yet	not yet	not yet
BMP Reduction Crediting	No	No	No	No	No	Yes
Nutrient Loads applied/discharged	estimated from reported poundage	estimated from monitored effluent data or permit data	estimated from monitored effluent data or permit data	calculated from monitored effluent data	calculated from monitored effluent data	estimated from monitored pumpout data and estimated boat numbers
Plant uptake	Calculated by model	Calculated by model	State Default rates or Calculated by model			
Additional Attenuation through land surface and subsurface	Simulated as fertilizer as Ag		simulated through septic soil attenuation, same as septic system			
			Attenuation rates for Zone 1-4	Reduced attenuation rate for Zone 1 Attenuation rates Zone 2-4	Monitoring data for Monitored Zones; Attenuation rates for un-monitored zones	