

Commonwealth of Virginia

January 1, 2012 – December 31, 2013 Programmatic Two-Year Milestones

Target Date	Milestone (WIP page reference)*	Deliverable	Lead Agency	Comments/Status Updates
Agriculture-				
12/31/2012	Improve the state’s capacity to respond to water quality complaints/inquiries and provide outreach and education to producers concerning environmental stewardship. (Phase 1 WIP, pg. 55)	Establish two new Agricultural Stewardship Act Coordinators	VDACS	Two new coordinator positions were created
12/31/2013	Renew relationship with fertilizer companies to encourage and track precision agricultural application (Phase 1 WIP, pg. 65)	12,500 acres of precision agriculture annually	DCR	DCR anticipates obligations of \$36.2 million in 2012 and \$24 million in 2013 for the 47 SWCD's. This funding includes \$4 million for livestock exclusion, \$3 million per year for the implementation of local TMDLs, and \$2 million for animal waste practices. The remainder will go to the general fund for agricultural BMP implementation. Technical assistance to SWCDs is also included.
12/31/2013	Increase nutrient management planning to 70% to include all applicable state-owned land (Phase 1 WIP, pg. 61)	669,722 acres NM annually	DCR	
12/31/2013	Renew enhanced funding for livestock exclusion (Phase 1 WIP, pg. 63)		DCR	
12/31/2012	Report voluntarily installed conservation practices for 6 pilot SWCD’s (Phase 1 WIP, pg. 54)		DCR	
12/31/2013	Implement voluntary Best Management Practice collection statewide (Phase 1 WIP, pg. 54)		DCR	
12/31/2013	Initiate Resource Management Plan framework (Phase 1 WIP, pg. 59)	Agricultural Certainty Program	DCR	

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CAFO/AFO				
9/1/2012	Convert CAFO VPA permits to VPDES permits (Phase I WIP, pg. 74)	VPDES permits issued	DEQ	All VPA permitted CAFOs which require a VPDES permit and have submitted a VPDES individual permit (IP) application will be issued a VPDES IP. The owners of CAFOs that have submitted the VPDES IP application prior to January 2012 are expected to be fully converted into the VPDES IP by mid 2012.
12/31/2013	Complete evaluations of 35% of small AFOs in Virginia’s portion of the Chesapeake Bay watershed in accordance with the Small AFO Strategy developed in cooperation with VDACS (see below) (Phase I WIP, pg. 76)	Completion of evaluation and, if necessary appropriate remedies employed	DEQ/VDACS	
12/31/2012	Complete Small AFO strategy in the form of an MOU in cooperation with VDACS (Phase I WIP, pg. 76)	Complete MOU	DEQ/VDACS	
12/31/2013	Achieve 75% nutrient management plans for unpermitted dairies (Phase I WIP, pg. 76)		DCR	
12/31/2013	Develop specific, targeted educational program for unpermitted dairies (Phase I WIP, pg. 66)		DCR	

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Urban				
2014	Implement contractor-applicator training and certification regulation. Establishes a training and certification program for the proper handling, use, and application of fertilizer to nonagricultural lands. Establishes recordkeeping requirements for certified applicators. (Phase I WIP, pg. 90)	Implement regulations	VDACS	Activity extends beyond milestone period.
2014	Implement amendments to the Virginia Fertilizer Law to protect water quality (Phase I WIP, pg. 90)	Implement new provisions	VDACS	Activity extends beyond milestone period.
12/31/2013	Continue to accelerate compliance with erosion and sediment control requirements for private construction projects as well as State construction projects	19,966 acres of E&S annually	DCR	DCR reviews local government erosion & sediment control programs on a regular basis. The Soil & Water Conservation Board decides upon the adequacy of these local programs. DCR has a process for the review of annual standards and specifications for state agency projects and regularly inspect state construction projects for compliance.
12/31/2013	Accelerate application of Urban Nutrient Management on State facilities		DCR	
12/31/2013	Improve tracking and reporting of Urban Nutrient Management on State facilities and local government lands. (Phase I WIP, pg. 90)	60,149 acres of urban NM annually	DCR	

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12/31/2013	Achieve reductions from new development and redevelopment using urban BMPs through ramped up compliance with the Virginia Storm Water Management permit (VSMP) and the storm water provisions of the Chesapeake Bay Preservation Act (CBPA).	Enhanced enforcement	DCR	Compliance with the CBPA and the VSMP will continue to be enhanced. The Chesapeake Bay Preservation Act and the current Virginia Storm Water Management Regulations provide a framework for DCR’s oversight of the administration of local Bay Act programs and the enforcement of VSMP requirements on individual project sites. Staff from DCR’s 6 regional offices conduct the Bay Act oversight and VSMP inspections and enforcement.
12/31/2013	Continue development of the Stormwater Management Enterprise Website as a management tool for the new stormwater management regulations and to track and report all urban and suburban BMPs. The website will allow local entry of data into the tracking database and allow DCR to consolidate locality data for submission to EPA through the NEIEN. (Phase I WIP, pg. 96)		DCR	Funding for development of the Alpha stage has been secured through the CBRAP grant. A contract has been entered into with Virginia Interactive to complete the Alpha stage by September 2012. Additional funding is needed to fully launch the website for intended users. Activity extends beyond milestone period.
12/31/2012	Institute phased pollutant reductions for Municipal Separate Storm Sewer Systems (MS4s) through three permit cycles at 5%, 35% and 60% consecutively. (Phase I WIP, pg. 93)		DCR	DCR staff is working directly with EPA Region 3 staff to develop a schedule for the submittal of draft MS4 permits.

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12/31/2013	Establish pollutant removal efficiencies for typical roadway vegetated shoulders and drainage conveyances thereby promoting the use of such practices over those employing impervious materials.		VDOT	
12/31/2013	Provide training to internal and contract personnel on the Best Management Practices for use on roadway construction and maintenance activities		VDOT	
12/31/2013	Revise guidance documents to incorporate and promote the use of Low Impact Development techniques for managing stormwater runoff from roadways		VDOT	
Stormwater – Industrial Stormwater				
7/31/2012	Initiate Regulatory Process to Reissue Industrial Stormwater General Permit (Phase 1 WIP, pg. 21)	Establish Regulatory Advisory Panel and begin work	DEQ	
1/31/2013	Propose Draft Regulation to State Water Control Board (Phase 1 WIP, pg. 21)	Draft regulation published in Virginia Register	DEQ	
Onsite Sewage Systems				
12/31/2013	Implement Operation and Maintenance portions of final <i>AOSS Regulations</i> (12VAC5-613) when effective; (Phase I WIP, pg. 104)		VDH	

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12/31/2013	Train Agency staff on new inspection, compliance, and enforcement procedures for alternative onsite sewage systems (Phase I WIP, pg. 104)		VDH	
12/31/2013	Continue to operate and expand online reporting capabilities of the VENIS database (Virginia Environmental Information System) that enable licensed AOSS operators to report Operation and Maintenance activities (including pump-outs) (Phase I WIP, pg. 103)		VDH	
12/31/2013	Develop Guidance Documents to assist in implementing provisions of the final <i>AOSS Regulations</i> that control N from alternative onsite sewage systems (Phase I WIP, pg. 104)		VDH	The nitrogen-reducing requirements of the <i>AOSS Regulations</i> will not be in effect during the 2012-2013 milestone period
12/31/2013	Work with DCR and local governments to capture and report the number of septic tank pump-outs that occur as a result of the Chesapeake Bay Act requirements (local ordinances) and voluntary efforts and repairs throughout the Bay watershed.	36,606 septic tank pump-outs per year	VDH/DCR	The target values are a combination of the annual pump-out data submitted to DCR by the localities within the Chesapeake Bay Preservation Act (CBPA) area, and an annual estimate based on VDH data of the pump-outs performed voluntarily
12/31/2013	Work with DCR and local governments to capture and report the number of connections to public sewer.	600 Sewer connections during the milestone period	VDH/DCR	This data is not tracked by VDH and is an estimate based on feedback received from local health departments within the Chesapeake Bay watershed

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Target Date	Milestone (WIP page reference)*	Deliverable	Lead Agency	Comments/Status Updates
12/31/2013	Report the number of AOSS meeting the current BMP for 50% TN reduction installed voluntarily	154 systems installed during the milestone period	VDH	The nitrogen requirements in the Alternative Onsite Sewage Systems (AOSS) regulation will not be effective during this Milestone period. Therefore, this number reflects an estimate of the denitrifying systems that are installed voluntarily within the Chesapeake Bay watershed.
12/31/2013	Work with EPA and other TMDL stakeholders to approve additional BMP strategies for 25% and 75% reductions in total nitrogen.		VDH	
Forest				
12/31/2013	Work with EPA and other Chesapeake Bay Watershed jurisdictions to determine the feasibility of reporting conserved riparian buffers and forests		DCR	
12/31/2013	Initiating BMP training sessions for forest harvesting contractors	4 training sessions	DOF	
12/31/2013	Develop new on-line BMP training program for harvest contractors through VT SHARP Logger Program focusing on underutilized harvesting BMPs.	1 on-line training program	DOF	
12/31/2013	Provide cost-share to forest harvesting contractors to implement BMPs (Phase I WIP, pg. 110)	86% of harvested area treated	DOF	Assumes funding from WQIF is made available

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12/31/2013	Utilizing CCPI Grant through NRCS, focus Riparian Forest Buffer and Tree Planting efforts in the Rappahannock and York River Watersheds through enhanced landowner incentives (Phase 1 WIP, pg. 62)		DOF	
12/31/2013	Focus Riparian Forest Buffer establishment efforts in Potomac River Watershed through the establishment of “Buffer Teams” composed of NRCS, FSA, DCR, VDOF, SWCD and other partners through a focused Riparian Forest Buffer - GIS Targeting / Marketing initiative (Phase 1 WIP, pg. 62)		DOF	
12/31/2013	Provide cost-share funding to those landowners to establish Riparian Forest Buffers that would not otherwise qualify for cost-share funding through federal programs (Phase 1 WIP, pg. 62)		DOF	Assumes funding from WQIF is made available
Nutrient Trading and Offsets				
2/1/2012	Propose Expansion of Existing Nutrient Credit and Stormwater Offset program (Phase I WIP, Page 12)	Introduced legislation in 2012 Session of the General Assembly	Secretary of Natural Resources DEQ/DCR	

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4/1/2012 4/1/2013	Report results of wastewater nutrient monitoring and credit availability for the prior year’s annual loads. Reports will be made available on DEQ’s nutrient trading webpage http://www.deq.virginia.gov/vpdes/nutrienttrade.html .	Report	DEQ	
7/1/2012 7/1/2013	Publish notice of all nutrient credit exchanges and purchases for the previous calendar year and make all documents relating to the exchanges available to any person requesting them. Reports will be made available on DEQ’s nutrient trading webpage http://www.deq.virginia.gov/vpdes/nutrienttrade.html .	Report	DEQ	
James River Phased Implementation/Chlorophyll Study				
12/31/2013	Develop detailed study workplan, establish Scientific Advisory Panel and Stakeholder Committee; (Phase I WIP Page 7 – 11)	Panels established	DEQ	
12/31/2013	Define relationships between harmful algal blooms (HAB) indicators and designated use (DU) attainment (Phase I WIP Pages 7 – 11)	Report section completed	DEQ	
12/31/2013	Begin development of empirical relationships between HAB measures and designated use attainment		DEQ	Activity extends beyond milestone period

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12/31/2013	Begin development of models for indicators, nutrient inputs and HABs (Phase I WIP Page 9)		DEQ	Activity extends beyond milestone period
Wastewater				
1/1/2012	TMDL waste load allocation requirements have been established by the reissued Chesapeake Bay Watershed General Permit; (Phase I WIP Page 7 – 11)	Reissued permit	DEQ	
Federal Facilities				
10/1/2013	Enhance direct coordination with federal facilities to encourage submission of 2014-2015 milestones in accordance with EPA established timelines.		DCR	No milestone information was received from federal facilities for the 2012-2013 milestone period.
* As part of the adaptive management process for achieving water quality goals, jurisdictions may submit programmatic milestones that modify, are in place of, or are in addition to milestones listed in their Phase I WIPs so long as the jurisdiction can demonstrate that they will be as effective toward meeting water quality goals.				