

April 3, 2014

SUBJECT: 2013 Virginia's Excellence in Waterworks Performance Awards

Information about the award certificates for the 85 waterworks that met the criteria to receive the 2013 *Excellence in Granular Media Filter Water Treatment Plant Performance Award*, is outlined below

Water treatment plants qualifying for the Excellence in Granular Media Filter Water Treatment Plant Performance Award met a portion of the Virginia Optimization Program goals for filter effluent, clarifier effluent and filter backwash in each month of 2013. The goals are noted on an attached page.

As shown on the attached list:

- Twenty nine water treatment plants met the goals for filter effluent, clarifier effluent and filter backwash and are eligible for the GOLD level award
- Nine water treatment plants met the goals for filter effluent and clarifier effluent and are eligible for the SILVER level award
- Sixteen water treatment plants met the goals for filter effluent and filter backwash and are also eligible for the SILVER level award
- Thirty-one water treatment plants only met the goal for filter effluent and are eligible for the BRONZE level award.

The basic premise of the Virginia Optimization Program is that when waterworks owners and operators are aware of enhanced performance goals, track data concerning these standards and compare their results with other waterworks in the Commonwealth – they will improve the performance of their waterworks so as to achieve the optimization goals. The program has been in effect for eight full years. Participation of water treatment plants in adopting the goals of the program is voluntary. Reporting of the data to the Department in order to determine if the goals are met is mandatory. The success of the program is shown in the table below, by the number of water treatment plants meeting all goals (GOLD award), non-bronze awards (GOLD + SILVER) (i.e. meeting more than the basic goal), or meeting some of the goals.

YEAR	2005	2006	2007	2008	2009	2010	2011	2012	2013
GOLD	3	3	10	12	15	13	17	22	29
SILVER – CLARIFICATION	15	23	20	24	19	16	18	18	9
SILVER – BACKWASH	4	7	4	4	7	9	10	10	16
BRONZE	32	37	40	38	38	35	34	34	31
TOTAL AWARDS	51	70	73	78	79	73	79	84	85
NUMBER OF ELIGIBLE WTPs	138	136	134	132	131	131	130	130	130

Please sign the attached certificates.

WATERWORKS RECOGNITION PROGRAM COMMITTEE GOALS
(adopted from Virginia Optimization Program goals)

Clarification (Individual basin preferred, or other combinations as currently monitored)

- Clarified water turbidity ≤ 1.0 NTU 95% of time when average raw water turbidity for the month ≤ 10.0 NTU
- Clarified water turbidity ≤ 2.0 NTU 95% of time when average raw water turbidity for the month > 10.0 NTU

Filtration (Individual Filters)

- Filtered water turbidity ≤ 0.1 NTU 95% of time

Filter Backwash (each backwash for the year)

- Filtered water turbidity ≤ 0.1 NTU when a filter is placed into service following a backwash
- Backwash recovery (filter-to-waste) period ≤ 15 min. (return to ≤ 0.1 NTU)
- Peak turbidity ≤ 0.3 NTU during backwash recovery (filter-to-waste) period

GOLD: the waterworks must meet all three of the criteria

SILVER: the waterworks must meet the filtration performance criteria and either of the clarification or filter backwash performance criteria

BRONZE: the waterworks must meet the filtration performance criteria

CY2013 Waterworks Award List.xlsx

Waterworks Name	Facility Name	AWARD	TYPE
ALTAVISTA, TOWN OF	SURFACE WATER TREATMENT PLANT	SILVER	backwash
AMHERST CO SERVICE AUTHORITY (ACSA)	TREATMENT PLANT	BRONZE	
AMHERST, TOWN OF	TREATMENT PLANT	BRONZE	
APPALACHIA, TOWN OF	TOWN OF APPALACHIA WTP	Gold	
APPALACHIAN DETENTION CENTER	TREATMENT PLANT	Gold	
APPOMATTOX RIVER WATER AUTHORITY	TREATMENT WORKS	BRONZE	
BLAND COMMUNITY WATER AUTHORITY	TREATMENT PLANT	Gold	
BLAND CORRECTIONAL CENTER	WATER TREATMENT PLANT	SILVER	backwash
BLUEFIELD, TOWN OF	CONVENTIONAL WATER TREATMENT PLANT	Gold	
BRIDGEWATER, TOWN OF	BRIDGEWATER WTP	Gold	
BRISTOL VIRGINIA UTILITY BOARD	WATER TREATMENT PLANT	Gold	
BROADWAY, TOWN OF	BROADWAY WTP	SILVER	backwash
BUCKINGHAM CO WATER SYSTEM	BUCKINGHAM COUNTY WTP	BRONZE	
BUCKINGHAM CO WATER SYSTEM	BUCKINGHAM COUNTY WTP NO.2	BRONZE	
CAMPBELL COUNTY CENTRAL SYSTEM	WATER TREATMENT PLANT	Gold	
CATAWBA HOSPITAL	TREATMENT PLANT	BRONZE	
CHATHAM, TOWN OF	CHERRYSTONE CREEK WTP	BRONZE	
CHESTERFIELD CO CENTRAL WATER SYSTEM	ADDISON-EVANS WTP	BRONZE	
CITY OF SALEM WTP	SALEM WTP	Gold	
CLAYPOOL HILL TAZEWELL CO PSA	CONVENTIONAL WTP	Gold	
COEBURN, TOWN OF	TOWN OF COEBURN WTP	SILVER	backwash
COVINGTON, CITY OF	COVINGTON TREATMENT PLANT	BRONZE	
CREWE, TOWN OF	CREWE WATER TREATMENT WORKS	SILVER	clarification
CROZET WTP	WATER TREATMENT PLANT	BRONZE	
EAGLE EYRIE BAPTIST CONFERENCE CENTER	TREATMENT PLANT	BRONZE	
FAIRFAX COUNTY WATER AUTHORITY	GRIFFITH WTP	Gold	
FARMVILLE, TOWN OF	FARMVILLE WTP	Gold	
FLUVANNA CORRECTIONAL CENTER FOR WOMEN	WATER TREATMENT PLANT	SILVER	clarification
FOOD PROCESSORS WATER COOPERATIVE,	FOOD PROCESSORS WTP	SILVER	backwash
FREDERICK COUNTY SANITATION AUTH	JAMES T. ANDERSON WATER TREATMENT PLANT	SILVER	clarification
FRIES, TOWN OF	WATER TREATMENT PLANT	Gold	
FRONT ROYAL, TOWN OF	FRONT ROYAL WATER TREATMENT PLANT	BRONZE	
GALAX, CITY OF	WATER TREATMENT PLANT	Gold	
GATE CITY, TOWN OF	GATE CITY WTP	Gold	
GRETNA, TOWN OF	GEORGES CREEK PLANT	BRONZE	
HANOVER SUBURBAN WATER SYSTEM	DOSWELL WTP	Gold	
HCSA- LEIGH STREET PLANT	TREATMENT PLANT	Gold	
HILLSVILLE, TOWN OF	WATER TREATMENT PLANT	Gold	
JAMES RIVER CORRECTIONAL CTR	TREATMENT PLANT	SILVER	backwash
JOHN FLANNAGAN WATER AUTHORITY	TREATMENT PLANT	Gold	
JONESVILLE, TOWN OF	JONESVILLE WTP	SILVER	backwash
LAKE MONTICELLO	WATER TREATMENT PLANT	BRONZE	
LAWRENCEVILLE, TOWN OF	TREATMENT PLANT	BRONZE	
LEBANON, TOWN OF	TREATMENT PLANT	Gold	
LEESBURG, TOWN OF	TOWN OF LEESBURG WTP	BRONZE	
LYNCHBURG, CITY OF	COLLEGE HILL WTP	SILVER	clarification
LYNCHBURG, CITY OF	ABERT WTP	BRONZE	
MARION, TOWN OF	WATER TREATMENT PLANT	Gold	
MAURY SERVICE AUTHORITY	MSA WTP	BRONZE	
MOCCASIN GAP_SCOTT CO PSA	MOCCASIN GAP WTP	BRONZE	
MOUNT WEATHER	WATER TREATMENT PLANT	BRONZE	
NEW RIVER REGIONAL WATER AUTHORITY	WATER TREATMENT PLANT	SILVER	backwash

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NEWPORT NEWS, CITY OF	LEE HALL - PLANT 5	BRONZE	
NORTH RIVANNA WTP	WATER TREATMENT PLANT	BRONZE	
NORTON, CITY OF	CITY OF NORTON WTP	Gold	
NRV REGIONAL WATER AUTH	WATER TREATMENT PLANT	SILVER	backwash
OBSERVATORY WTP	WATER TREATMENT PLANT	BRONZE	
ORANGE, TOWN OF	ORANGE WTP	SILVER	clarification
PENNINGTON GAP, TOWN OF	PENNINGTON GAP WTP	Gold	
POCAHONTAS, TOWN OF	TREATMENT PLANT	BRONZE	
POUND, TOWN OF	TOWN OF POUND WTP	BRONZE	
PULASKI COUNTY PSA	DRAPER WATER TREATMENT PLANT	Gold	
PURCELLVILLE, TOWN OF	TREATMENT PLANT	BRONZE	
QUANTICO MARINE BASE-MAINSIDE	QUANTICO MAINSIDE WTP	BRONZE	
RADFORD, CITY OF	WATER TREATMENT PLANT	SILVER	clarification
RICHLANDS, TOWN OF	TP001 - TREATMENT PLANT	Gold	
RICHMOND, CITY OF	RICHMOND WTP	SILVER	backwash
ROCKY MOUNT, TOWN OF	ROCKY MOUNT WTP	SILVER	backwash
SCOTTSVILLE WTP	WATER TREATMENT PLANT	SILVER	clarification
SPOTSYLVANIA COUNTY UTILITIES	NI RIVER WTP	SILVER	backwash
ST PAUL, TOWN OF	TOWN OF ST. PAUL WTP	Gold	
STAUNTON, CITY OF	STAUNTON WATER TREATMENT PLANT	BRONZE	
STRASBURG, TOWN OF	STRASBURG WATER TREATMENT PLANT	SILVER	backwash
STUART, TOWN OF	TOWN OF STUART WTP	SILVER	backwash
THOMAS BRIDGE WATER CORP	WATER TREATMENT PLANT	Gold	
UPPER SMITH RIVER WATER SUPPLY	UPPER SMITH RIVER WTP	SILVER	clarification
VICTORIA, TOWN OF	VICTORIA WATER TREATMENT WORKS	BRONZE	
WARRENTON, TOWN OF	SURFACE WTP	BRONZE	
WASHINGTON COUNTY SERVICE AUTHORITY	WATER TREATMENT PLANT	Gold	
WESTERN VIRGINIA WATER AUTHORITY	SPRING HOLLOW WTF	SILVER	clarification
WESTERN VIRGINIA WATER AUTHORITY	FALLING CREEK WTP	BRONZE	
WILLIAMSBURG, CITY OF	WILLIAMSBURG TP	Gold	
WINCHESTER, CITY OF	PERCY D MILLER WATER TREATMENT PLANT	SILVER	backwash
WISE COUNTY REGIONAL WATER SYSTEM	WISE CO. PSA REGIONAL WTP	SILVER	backwash
WYTHEVILLE, TOWN OF	WYTHEVILLE WATER TREATMENT PLANT	Gold	