

**NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY**

**ANNUAL REPORT
on
FAD BUDGET AND STAFFING**

July 29, 2012

Prepared in accordance with the United States Environmental Protection
Agency's July 2007 Filtration Avoidance Determination

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Bureau of Water Supply

Department of Environmental Protection
Bureau of Water Supply
Filtration Avoidance Determination

Staffing

Section 6.9 of the Filtration Avoidance Determination (FAD) requires that New York City Department of Environmental Protection (NYCDEP) maintain the level of staffing, funding and expertise necessary to support all elements of the City's Long Term Watershed Protection Programs. Annually, the NYCDEP is required to identify actual filled positions versus available positions for each division and section involved in supporting the watershed protection programs. Table 1 summarizes the current staffing level for each division and section involved in supporting the City's Watershed Protection Programs. Table 2 summarizes the extent of our recruitment efforts in FY09. 93.% of all FAD positions within BWS have been filled in FY12.

Funding

Section 6.9 of the FAD requires that NYCDEP provide written notification as to whether the City budget for the upcoming fiscal year includes sufficient funding to allow the City to meet its obligations under the FAD. Table 3 summarizes capital funds disbursed and appropriated for FY12 thru FY17 to support *existing and new obligations* under the FAD programs. Table 4 summarizes expense funds disbursed, budgeted for FY13 and planned for in the outer years to support *existing and new obligations* under the FAD programs. While our FAD program has, like all areas of NYCDEP, been subject to budget reductions, Capital and Expense funds provided by the NYC Office of Management and Budget (OMB) are sufficient to support the City's Long-Term Watershed Protection Programs.

Department of Environmental Protection
 Bureau of Water Supply
 Table 1 - FY12 Filtration Avoidance Positions

Program Description	Budgeted Positions	FY12 Filled Positions	Positions in Pipeline
Executive			
Deputy Commissioner & Support	4	4	0
Total Executive	4	4	0
Water Quality - Management			
Director - Water Quality	1	1	
Management & Support	2	1	
Subtotal	3	2	0
Water Quality - Distribution Water Quality Operations			
Management & Support	2	2	
Distribution Water Quality Laboratory Operations - Management	1	1	
Microbiology	13	12	1
Wet Chemistry	8	8	
Trace Metals	4	4	
Organic Chemistry	7	7	
Distribution Water Quality Field Operations - Management	1	1	
Field Operations	21	19	2
Distribution Water Quality Compliance - Management	1	1	
Data Management	8	7	1
Quality Assurance	4	3	1
Procurement	2	2	
Health & Safety	1	1	
Subtotal	73	68	5
Water Quality - Watershed Water Quality Science & Research			
Management	1	1	
Water Quality Modeling	5	5	
Water Quality Program Evaluation & Planning	3	3	
Watershed Impacts and Pathogen Assessment	4	4	
Reporting & Publications	2	2	
Subtotal	15	15	0
Water Quality - Distribution Water Quality Science & Research			
Management & Support	2	2	
Distribution Science & Planning	5	5	
Health Assessment and Policy Coordination	1	1	
Early Warning Remote Monitoring	15	14	1
Subtotal	23	22	1
Water Quality - Watershed Water Quality Operations			
Management	1	1	
Watershed Water Quality Compliance	13	13	
EOH Water Quality Operations	45	43	2
WOH Water Quality Operations	58	57	1
Wildlife Studies	3	3	
Subtotal	120	117	3

Department of Environmental Protection
 Bureau of Water Supply
 Table 1 - FY12 Filtration Avoidance Positions

Program Description	Budgeted Positions	FY12 Filled Positions	Positions in Pipeline
Water Quality - Project Management & Budget			
Management & Support	5	5	
Subtotal	5	5	0
Total Water Quality	239	229	9
Upstate Police Force			
Chief	1	1	0
Assistant Chief	1	1	0
Inspector	1	1	0
Captain	4	4	0
Lieutenant	13	11	2
Sergeant	34	28	6
Environmental Police Officers	167	145	0
Admin/Analytical/Clerical Support	24	22	1
Total Upstate Police Force	245	213	9
Watershed Protection Programs			
Director - Watershed Protection Programs	1	1	
Management & Support	2	2	
Subtotal	3	3	0
Watershed Protection Programs - Watershed Lands & Community Planning			
Management & Support	1	1	
Land Acquisition	16	15	
Community Planning	6	5	1
Stream Management	6	6	
Working Lands	2	2	
Administration & Compliance	4	4	
Natural Resources Management	26	25	1
GIS Support	4	3	1
Subtotal	65	61	3
Watershed Protection Programs - Regulatory Engineering Programs			
Management & Support	2	2	
Compliance and Administration	6	4	2
Wastewater Treatment Programs	13	13	
Stormwater Programs	16	15	1
SSTS Compliance & Inspection	14	14	
WWTP Compliance & Inspection	6	6	
Subtotal	57	54	3
Watershed Protection Programs - WWTP Upgrade Program			
Management & Support	3	3	
Subtotal	3	3	0
Total Watershed Protection Programs	128	121	6
Planning			
Management	1	1	
Strategic Planning	2	2	

Department of Environmental Protection
 Bureau of Water Supply
 Table 1 - FY12 Filtration Avoidance Positions

Program Description	Budgeted Positions	FY12 Filled Positions	Positions in Pipeline
Capital Planning	14	13	
Rondout West Branch Tunnel	1	1	
Emergency Planning	3	3	
Total Planning	21	20	0
Management Services & Budget			
Management - Director & Support	2	2	
OTPS Budget	2	2	
Human Resources	4	4	
Facilities and Fleet Services	6	6	
Contracts	1	1	
Procurement & Expense	10	10	
Total MS&B	25	25	0
Operations			
Management & Support	2	2	
Subtotal	2	2	0
Operations Hazmat			
Hazmat and Spill Management	7	7	
Subtotal	7	7	0
Operations - Eastern			
Management & Support	4	3	1
Compliance & Administrative	8	8	
Engineering & Tech Support	10	10	
Highlands Region - Management & Compliance	1	1	
Highlands Region - Technical Services	21	19	2
Highlands Region - Field Maintenance	23	22	1
Highlands HAZMAT (Centralized)			
Kensico Region - Management & Support	2	2	
Kensico Region - Systems Operations	40	38	2
Kensico Region - Engineering & Tech Services	14	12	2
Kensico Region - Risk Management Program	3	3	
Subtotal	126	118	8
Operations - Eastern Cat Del UV			
Management & Support	3	3	
Compliance & Administrative	6	6	
Cat Del UV Maintenance	13	11	2
Cat Del UV SCADA/Instrumentation	7	7	
Cat Del UV Operations	20	18	2
Subtotal	49	45	4

Department of Environmental Protection
 Bureau of Water Supply
 Table 1 - FY12 Filtration Avoidance Positions

Program Description	Budgeted Positions	FY12 Filled Positions	Positions in Pipeline
Operations - Western			
Management & Support	3	3	
Compliance & Procurement	4	4	
Engineering & Tech Support	15	14	1
Grahamsville Region - Management & Support	1	1	
Grahamsville Region - Maintenance, Compliance & HAZMAT	28	27	
Kingston Facility Support	8	7	1
Shokan Region - Management & Support	4	3	1
Shokan Region - Compliance & Maintenance	44	42	2
Downsville Region - Management & Support	2	2	
Downsville Region - Compliance & Maintenance	26	25	
Subtotal	135	128	5
Operations - Water Systems			
Management	1	1	
Reservoir Operations	8	8	
Strategic Services	3	3	
Community Supplies	3	3	
Watershed Monitoring & Operations Support	7	5	2
Subtotal	22	20	2
Operations - Wastewater			
Management & Support	4	2	2
Wastewater Treatment Operations	44	44	
Engineering & Tech Maintenance	10	9	1
Compliance & Administration	4	4	
Subtotal	62	59	3
Total Operations	396	372	22
Compliance			
Management and Support	2	2	
Environmental Projects	5	4	1
Environmental Compliance	4	4	
Compliance Training	5	5	
Compliance Audit	5	5	
Total Compliance	21	20	1
Total Bureau of Water Supply	1,086	1,011	47

93.09%

Additional staff support for certain FAD Programs is provided by other units within DEP and the City, including the Bureau of Engineering Design and Construction, the Bureau of Legal Affairs, the Office of Environmental Planning and Assessment, the Bureau of Public Affairs and the New York City Law Department.

Department of Environmental Protection
Bureau of Water Supply

Ads placed for FY 12

Position Advertised	Division	Location	JVN #	Date	Placement of Posting
1) Administrative Engineer, MI	Eastern Operations/ Systems Operations Section	North White Plains, NY	826-12-88220-WS	August-11	careerbuilder.com monster.com hudsonvalleyhelpwanted.com
2) City Research Scientist, III	Water Quality	Valhalla, NY	826-12-89461-WS	September-11	careerbuilder.com monster.com hudsonvalleyhelpwanted.com awwa.org
3) Computer Associate (SW), I	Water Quality	Flushing, NY	826-12-89420-WS	November-11	careerbuilder.com monster.com hudsonvalleyhelpwanted.com
4) Administrative Engineer, MI	Eastern Operations/ Systems Operation Section	North White Plains, NY	826-12-88220-WS	December-11	awwa.org
5) Watershed Maintainer	Eastern Operations/UV Plant	Valhalla, NY	826-12-94838-WS	December-11	careerbuilder.com monster.com hudsonvalleyhelpwanted.com
6) Stationary Engineer (Electric)	Wastewater Operations	Mahopac, NY	826-12-95579-WS	January-12	watershedpost.com hudsonvalley.com monster.com

Position Advertised	Division	Location	JVN #	Date	Placement of Posting
7) Administrative Engineer, MI	Eastern Operations/ Systems Operations Section	North White Plains, NY	826-12-88220-WS	Feb-12	careerbuilder.com monster.com hudsonvalleyhelpwanted.com
8) Computer Specialist, II	Operations/ Watershed Monitoring & Operations Support	Kingston, NY	826-12-88054-WS	Feb-12	watershedpost.com careerbuilder.com hudsonvalleyhelpwanted.com
9) City Research Scientist, II	Operations/ Watershed Monitoring & Operations Support	Kingston, NY	826-12-88071-WS	Feb-12	watershedpost.com careerbuilder.com hudsonvalleyhelpwanted.com
10) Computer Associate (SW), I	OIT	Kingston, NY	826-12-99780-WS	Apr-12	watershedpost.com careerbuilder.com
11) Clerical Aide (Part-Time)	Western Operations	Kingston, NY	826-12-100766-WS	May-12	watershedpost.com hudsonvalleyhelpwanted.com
12) Associates Public Information Specialist/ Deputy Press Secretary	Bureau of Communications & Intergovernmental Affairs	Kingston, NY	826-12-100559-CIA	Jun-12	Watershedpost.com
13) Deputy Chief/Watershed Monitoring & Operations Support	Western Operations	Grahamsville, NY	826-12-98732-WS	Jun-12	A WWA.org Monster.com Careerbuilder.com

DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER SUPPLY
 TABLE 3 - CAPITAL COSTS- FILTRATION AVOIDANCE PROGRAMS
 FISCAL YEAR 2012 - 2017

Program	Contracting Entity	FY12 Disbursements	Costs Scheduled for Disbursements 2013 through 2017	APPROPRIATIONS*							Total Program Costs FY12-FY17
				FY13	FY14	FY15	FY16	FY17			
Environmental Infrastructure											
WWTP Upgrade Program	Environmental Facilities Corp.	17,228,452	56,324,904	6,476,000	14,102,000						94,131,356
Septic Rehabilitation Program	Catskill Watershed Corp.	3,900,000	5,200,000	36,900,000							46,000,000
New Sewage Treatment Infrastructure	Catskill Watershed Corp. & Environmental Facilities Corp.	564,494	17,969,912								18,534,406
Community Wastewater Management	Catskill Watershed Corp.	6,880,000	2,966,946	29,500,000							39,346,946
Sewer System Extension Program	Multiple with private contractors	124,150	202,429	11,449,000							11,775,579
Stormwater WOH Retrofit Program	Catskill Watershed Corp.	0	4,120,774	6,875,000							10,995,774
Protection and remediation											
Land Acquisition (WOPLAND) Program 1)											
Land Management Program	Multiple with private contractors	41,923,474	17,260,730	65,795,000							146,996,204
Watershed Agricultural Program	Multiple with private contractors	19,907	0	985,000	270,000	240,000					1,794,907
Stream Management Program	Watershed Agricultural Council	6,467,249	6,207,571	8,100,000	34,000,000						54,774,820
Kensico Water Quality Programs	Catskill Watershed Corp./Multiple with private contractors	4,631,866	23,216,050	6,438,000	18,296,000						58,430,916
EOH Non-Point source Control BWS	Multiple with private contractors	1,022,034	2,699,815	5,158,000	500,000						9,379,849
EOH Non-Point source Control BEDC	Multiple with private contractors	0	862,874	21,461,000	5,517,000						27,840,874
Catskill turbidity Control-Evaluation of Engineering Alternatives	Gannett Fleming/Hazen & Sawyer PC, JV	266,230	0	0							266,230
Catskill Turbidity Control-Implementation	Multiple with private contractors	2,116,317	571,963	2,600,000							5,288,280
Schoharie Dredging Project	Upstate Freshwater Institute	177,759	229,417								407,176
Sand and Salt Storage	D.A. Collins Constr.	0	0								0
	Catskill Watershed Corp.	0	0								0
Watershed Monitoring, Modeling and GIS											
Watershed Monitoring	Multiple with private contractors	0	0	100,000							215,000
Modeling Program	Multiple with private contractors	496,303	1,442,099	3,625,000							5,563,402
Geographic Information System Program	Multiple purchases	733,827	187,910	3,396,000	665,000						6,482,737
Regulatory Programs											
CAT/DEL Ultraviolet Disinfection (UV)	Multiple with private contractors	108,407,718	722,031,211	3,024,000							833,462,929
Totals		198,008,250	872,582,209	247,903,000	73,350,000	240,000	915,000	28,846,000			1,421,844,459

*Dollar amounts are entered in the fiscal year of expected commitment. Actual disbursement of funds is anticipated to be equal in each fiscal year of the contract duration.

DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER SUPPLY
 TABLE 4-EXPENSE COSTS-FILTRATION AVOIDANCE PROGRAMS
 FISCAL YEAR 2010-2013

Program	Contracting Entity	FY12 Disbursements Actual (as of 07/26/12)	Pending Invoices	FY13	FY14	FY15	Total Program Costs FY12-FY15
Environmental Infrastructure							
New Infrastructure Program	Catskill Watershed Corp.	\$4,183,212		\$2,179,512	\$2,244,897	\$2,312,244	\$10,919,865
Community Wastewater Mgmt.	Multiple Municipalities	\$253,059		\$763,564	\$1,007,414	\$1,037,637	\$3,081,674
WWTP Upgrade Program	Multiple Purchases	\$10,869,719		\$13,491,988	\$13,655,946	\$15,241,184	\$53,258,837
Stormwater Retrofit Program	Catskill Watershed Corp.	\$91,593		\$300,000	\$300,000	\$300,000	\$991,593
Stormwater Technical Assistance	Catskill Watershed Corp.	\$48,000		\$48,000	\$0	\$0	\$96,000
Protection and Remediation							
Waterfowl Management Program	HDR	\$2,063,555	\$279,000	\$2,438,760	\$2,438,760	\$2,438,760	\$9,658,835
Land Management	USFS & Multiple Purchases	\$63,481		\$0	\$0	\$0	\$63,481
Tax Litigation Avoidance Program	CWC	\$500,000		\$250,000	\$250,000	\$250,000	\$1,250,000
Wetlands Protection Program	Multiple Purchases	\$0		\$0	\$0	\$0	\$0
Catskill Watershed Corp Operating funds	CWC	\$583,150		\$291,575	\$291,575	\$291,575	\$1,457,875
LAP Advertising		\$20,234,46		\$39,000	\$39,000	\$39,000	\$137,234
Kensico Water Quality Control Programs	Multiple with Private Contractors	\$696,302	\$73,360	\$647,242	\$627,242	\$627,242	\$2,671,387
Reservoir Turbidity Control EIS Project	HDR/H&S	\$99,137		\$525,962	\$145,000	\$0	\$770,099
Education Outreach	Catskill Watershed Corp.	\$21,925		\$200,000	\$200,000	\$200,000	\$621,925
Watershed Monitoring, Modeling and GIS							
Watershed Monitoring Programs	Multiple Purchases			\$189,940	\$189,940	\$189,940	\$569,820
Geographic Information Systems Program	Multiple Purchases	\$18,303		\$20,000	\$20,000	\$20,000	\$78,303
Regulatory Programs							
Watershed Rules & Regulations	HDR	\$44,272		\$100,000	\$100,000	\$100,000	\$344,272
Delegation-Local Health Departments	Contracts with Westchester, Putnam & Ulster Counties	\$304,874	\$135,316	\$571,028	\$489,186	\$489,186	\$1,989,590
Waterborne Disease Risk Assessment Prg.	NYC Dept. of Health	\$13,388	\$15,000	\$30,300	\$30,300	\$30,300	\$119,288
FAD Plug	Multiple Purchases	\$576,835		\$2,316,863	\$2,316,863	\$2,316,863	\$7,527,424
Totals		\$20,451,040	\$502,676	\$24,423,733	\$24,346,123	\$25,883,931	\$95,607,503

FY13 and FY14 estimates only provided for programs with multiyear contracts unlikely to be affected by the FAD negotiations.
 Most programs are under BC 6224; WWTP O&M partially under BC 6214 and WDRAP is under BC 0234.