

SECTION 9. CHESAPEAKE BAY TMDLS

This section presents, for both proposed amended WQS and current WQS, the Chesapeake Bay TMDL allocations for nitrogen, phosphorus, and sediment by Bay segment watershed that resulted from EPA's evaluation of the jurisdictions' draft Phase I WIPs as described in Section 8.

The MOS for nutrients is implicit for the nutrient allocations, having been built into the suite of decision-making tools and procedures and assumptions described in the previous chapters. In the case of the sediment allocations, the explicit MOS is built directly into the allocations themselves (see Section 6.2.3). Natural background loads are included in the LAs presented in this chapter and the referenced appendices.

9.1 Bay Segment Annual and Daily Allocations to Meet Proposed Amended WQS

Table 9-1, Table 9-2, and Table 9-3 provide the annual total nitrogen, total phosphorus, and sediment allocations to meet the proposed amended WQS for the watershed areas draining to each of the 92 Chesapeake Bay segments. Those allocations are calculated as delivered loads (the loading that actually reaches tidal waters) and as annual loads. These tables are structured by major basin from north to south with western shore first and eastern shore second. Then the Bay segments are in geographic order from the head of tide down river from north to south. Each of the 92 segments is displayed as white rows while contributing portions of some of the 92 segments are displayed as gray rows. More detailed annual LAs by sector and annual WLAs by individual facility are provided in Appendix Q. Daily LAs and WLAs for the areas draining to the 92 segments are provided in Appendix R. Table 9-4 provides the individual WLAs for total nitrogen, total phosphorus, and sediment for each of the 483 significant permitted dischargers. All WLAs listed in Table 9-4 are calculated as edge-of-stream loads (the loading that reaches a simulated stream segment from a point in that stream's watershed).

The WLAs and LAs were based in part on the allocations documented in the jurisdictions' draft Phase I WIPs. Each draft Phase I WIP describes the methods and procedures the jurisdiction applied in developing WLAs and LAs for each of its respective areas draining to the 92 impaired segments of the Bay. As described in Section 8, EPA evaluated the jurisdictions' draft Phase I WIPs and determined whether the jurisdictions met their jurisdiction-wide and basinwide target allocations for nitrogen, phosphorus, and sediment; and whether the jurisdictions provided sufficient reasonable assurance that nonpoint source reductions could be achieved and maintained through credible and "enforceable or otherwise binding" strategies. Where appropriate, EPA included backstop allocations to ensure that WQS would be met.

Table 9-1. Draft Chesapeake Bay TMDL total nitrogen (TN) annual allocations^a (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Table 9-1. Draft Chesapeake Bay TMDL total nitrogen (TN) annual allocations^a (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
CB1TF	NY	Northern Chesapeake Bay	886,600	7,345,600		8,232,200	10,541,500
CB1TF	PA	Northern Chesapeake Bay	10,122,300	61,622,400		71,744,800	99,833,300
CB1TF	MD	Northern Chesapeake Bay	304,800	1,176,500		1,481,400	1,918,700
CB1TF		Northern Chesapeake Bay	11,313,800	70,144,600	337,500	81,795,800	112,667,000
BSHOH	MD	Bush River	448,300	354,300	68,100	870,700	1,000,500
GUNOH	PA	Gunpowder River	1,100	18,900		20,000	29,900
GUNOH	MD	Gunpowder River	238,200	903,700		1,142,000	1,289,900
GUNOH		Gunpowder River	239,300	922,600	73,300	1,235,300	1,400,300
MIDOH	MD	Middle River	33,400	39,600	32,600	105,500	183,600
BACOH	MD	Back River	1,703,100	29,700	25,000	1,757,800	2,257,500
PATMH	MD	Patapsco River	3,546,900	742,100	213,200	4,502,200	7,821,100
MAGMH	MD	Magothy River	53,300	136,700	45,800	235,800	288,100
SEVMH	MD	Severn River	252,300	165,100	64,600	482,000	518,300
SOUH	MD	South River	54,300	133,300	37,600	225,200	261,600
RHDMH	MD	Rhode River	15,400	25,600	13,700	54,700	68,800
WSTMH	MD	West River	5,700	30,000	18,600	54,400	60,700
WBRTF	MD	Western Branch Patuxent River	97,000	117,200	400	214,600	236,800
PAXTF	MD	Upper Patuxent River	1,086,500	671,000	12,100	1,769,600	1,766,900
PAXOH	MD	Middle Patuxent River	11,600	275,200	28,400	315,200	388,100
PAXMH	MD	Lower Patuxent River	27,900	473,500	148,800	650,200	789,400
ANATF_MD	MD	Anacostia River, MD	275,400	146,400		421,800	500,300
ANATF_MD	DC	Anacostia River, MD	8,000	400		8,400	13,400
ANATF_MD		Anacostia River, MD	283,400	146,800	1,100	430,200	513,700

Table 9-1. Draft Chesapeake Bay TMDL total nitrogen (TN) annual allocationsa (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
ANATF_DC	MD	Anacostia River, DC	39,300	6,800		46,100	54,300
ANATF_DC	DC	Anacostia River, DC	108,800	6,100		114,900	131,100
ANATF_DC		Anacostia River, DC	148,100	12,900	7,200	161,000	185,500
POTTF_MD	PA	Upper Potomac River, MD	343,600	4,377,000		4,720,700	6,112,200
POTTF_MD	MD	Upper Potomac River, MD	2,490,900	8,453,800		10,944,700	13,298,200
POTTF_MD	DC	Upper Potomac River, MD	23,700	2,300		26,000	202,100
POTTF_MD	VA	Upper Potomac River, MD	1,889,600	10,217,000		12,106,600	13,646,800
POTTF_MD	WV	Upper Potomac River, MD	393,900	4,272,700		4,666,600	5,751,200
POTTF_MD		Upper Potomac River, MD	5,141,800	27,322,800	164,900	32,629,400	39,195,000
POTTF_DC	MD	Upper Potomac River, DC	2,164,200	45,700		2,209,900	2,337,500
POTTF_DC	DC	Upper Potomac River, DC	2,159,000	12,300		2,171,200	2,506,500
POTTF_DC	VA	Upper Potomac River, DC	650,200	14,900		665,000	879,500
POTTF_DC		Upper Potomac River, DC	4,973,400	72,800	34,400	5,046,200	5,723,500
POTTF_VA	VA	Upper Potomac River, VA	2,420,500	550,600	74,200	3,045,200	3,697,200
PISTF	MD	Piscataway Creek	425,100	88,100	6,300	519,400	469,200
MATTF	MD	Mattawoman Creek	43,500	119,100	8,800	171,300	205,600
POTOH1_MD	MD	Middle Potomac River, MD Mainstem	2,300	46,500		48,700	54,200
POTOH1_MD	VA	Middle Potomac River, MD Mainstem	3,900	25,100		29,000	32,800
POTOH1_MD		Middle Potomac River, MD Mainstem	6,100	71,600	309,300	387,000	445,100
POTOH2_MD	MD	Middle Potomac River, MD Nangemoy Creek	41,400	81,900	13,600	136,900	151,500
POTOH3_MD	MD	Middle Potomac River, MD Port Tobacco River	6,100	102,300	19,600	128,000	143,000
POTOH_VA	VA	Middle Potomac River, VA	133,400	376,100	36,700	546,200	608,400
POTMH_MD	MD	Lower Potomac River, MD	199,200	926,300		1,125,500	1,357,600

Table 9-1. Draft Chesapeake Bay TMDL total nitrogen (TN) annual allocationsa (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
POTMH_MD	VA	Lower Potomac River, MD	1,600	60,500		62,100	77,400
POTMH_MD		Lower Potomac River, MD	200,900	986,800	1,047,100	2,234,700	2,609,100
POTMH_VA	VA	Lower Potomac River, VA	120,000	937,900	81,400	1,139,200	1,358,000
RPPTF	VA	Upper Rappahannock River	710,700	3,432,700	53,000	4,196,300	4,724,500
RPPOH	VA	Middle Rappahannock River	1,500	210,100	28,500	240,100	302,500
RPPMH	VA	Lower Rappahannock River	64,900	952,200	522,000	1,539,200	1,935,900
CRRMH	VA	Corrotoman River	23,400	130,500	37,200	191,100	217,900
MPNTF	VA	Upper Mattaponi River	55,200	1,037,300	19,800	1,112,400	1,274,400
MPNOH	VA	Lower Mattaponi River	8,500	132,100	15,500	156,200	188,000
PMKTF	VA	Upper Pamunkey River	251,000	1,725,500	22,700	1,999,100	2,128,100
PMKOH	VA	Lower Pamunkey River	290,400	67,900	16,100	374,300	328,600
PIAMH	VA	Piankatank River	36,300	332,300	72,800	441,400	469,600
YRKMh	VA	Middle York River	18,200	348,400	164,500	531,200	612,300
YRKPH	VA	Lower York River	36,000	113,300	119,000	268,400	301,400
MOBPH	VA	Mobjack Bay	542,000	379,900	366,500	1,288,400	1,916,400
JMSTF2	WV	Upper James River Upper	700	17,000		17,700	22,700
JMSTF2	VA	Upper James River Upper	4,417,200	9,433,000		13,850,200	15,145,700
JMSTF2		Upper James River Upper	4,417,900	9,450,000	178,100	14,046,000	15,361,300
JMSTF1	VA	Upper James River Lower	1,867,700	533,100	30,200	2,431,000	3,467,700
APPTF	VA	Appomattox River	451,400	1,763,700	26,700	2,241,800	2,158,600
CHKOH	VA	Chickahominy River	36,100	328,700	37,700	402,500	445,700
JMSOH	VA	Middle James River	321,300	268,000	207,600	796,800	964,000
JMSMH	VA	Lower James River	480,500	756,100	590,000	1,826,600	2,614,900
JMSPH	VA	Mouth of James River	1,213,500	11,200	116,800	1,341,500	3,470,600

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			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
ELIPH	VA	Mouth to mid Elizabeth River	524,600	11,500	52,800	588,900	1,293,800
WBEMH	VA	Western Branch Elizabeth River	69,600	33,200	14,000	116,900	175,700
SBEMH	VA	Southern Branch Elizabeth River	164,000	88,400	18,900	271,300	434,400
EBEMH	VA	Eastern Branch Elizabeth River	99,900	14,600	14,800	129,300	279,200
LAFMH	VA	Lafayette River	45,000	3,900	7,300	56,200	79,400
LYNPH	VA	Lynnhaven River	406,400	32,700	5,700	444,800	1,854,700
NORTF	PA	Northeast River	2,100	32,800		35,000	55,400
NORTF	MD	Northeast River	55,700	165,000		220,700	251,400
NORTF		Northeast River	57,800	197,800	31,600	287,200	341,700
ELKOH	PA	Elk River	34,200	213,800		248,000	382,500
ELKOH	DE	Elk River	900	8,200		9,100	12,500
ELKOH	MD	Elk River	95,500	266,100		361,600	467,800
ELKOH		Elk River	130,600	488,200	83,500	702,300	955,200
C&DOH_DE	DE	C&D Canal, DE	2,400	17,900		20,300	29,400
C&DOH_DE	MD	C&D Canal, DE	0	100		100	200
C&DOH_DE		C&D Canal, DE	2,400	18,000	18,800	39,200	49,700
C&DOH_MD	DE	C&D Canal, MD	6,000	47,800		53,800	72,100
C&DOH_MD	MD	C&D Canal, MD	11,100	37,500		48,600	59,200
C&DOH_MD		C&D Canal, MD	17,100	85,300	10,600	113,000	142,800
BOHOH	DE	Bohemia River	2,200	36,600		38,800	55,500
BOHOH	MD	Bohemia River	4,800	130,200		135,100	180,100
BOHOH		Bohemia River	7,000	166,900	34,500	208,400	273,300
SASOH	DE	Sassafras River	300	28,400		28,700	42,400
SASOH	MD	Sassafras River	6,400	263,400		269,800	394,500

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			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
SASOH		Sassafras River	6,700	291,800	65,600	364,200	508,200
CHSTF	DE	Upper Chester River	1,600	110,100		111,700	162,000
CHSTF	MD	Upper Chester River	9,700	411,900		421,600	571,900
CHSTF		Upper Chester River	11,300	522,000	13,200	546,500	748,000
CHSOH	MD	Middle Chester River	38,800	513,600	39,000	591,500	839,000
CHSMH	MD	Lower Chester River	34,400	441,000	214,700	690,100	865,000
EASMH	MD	Eastern Bay	33,700	563,200	309,900	906,800	1,124,800
CHOTF	DE	Upper Choptank River	4,300	237,400		241,700	375,500
CHOTF	MD	Upper Choptank River	40,000	1,061,600		1,101,700	1,473,700
CHOTF		Upper Choptank River	44,400	1,299,000	33,400	1,376,700	1,882,600
CHOOH	MD	Middle Choptank River	56,500	471,100	59,100	586,700	711,200
CHOMH2	MD	Mouth of Choptank River	113,000	234,400	130,600	478,000	521,800
CHOMH1	MD	Lower Choptank River	9,000	276,300	257,700	543,100	656,100
LCHMH	MD	Little Choptank River	1,500	177,700	102,500	281,700	336,100
HNGMH	MD	Honga River	500	47,500	96,200	144,200	164,300
FSBMH	MD	Fishing Bay	13,000	638,600	81,000	732,600	874,000
NANTF_DE	DE	Upper Nanticoke, DE	146,200	1,882,800		2,029,000	2,805,300
NANTF_DE	MD	Upper Nanticoke, DE	6,800	16,800		23,500	25,800
NANTF_DE		Upper Nanticoke, DE	153,000	1,899,600	33,800	2,086,400	2,862,500
NANTF_MD	DE	Upper Nanticoke, MD	0	100		100	400
NANTF_MD	MD	Upper Nanticoke, MD	500	52,100		52,700	67,700
NANTF_MD		Upper Nanticoke, MD	500	52,200	39,800	92,500	105,900
NANOH	DE	Middle Nanticoke River	5,200	313,400		318,700	478,100
NANOH	MD	Middle Nanticoke River	50,000	627,200		677,200	839,300

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Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
NANOH		Middle Nanticoke River	55,300	940,600	39,000	1,034,900	1,356,500
NANMH	MD	Lower Nanticoke River	2,600	112,900	66,600	182,100	198,300
WICMH	DE	Wicomico River	1,200	4,400		5,700	12,400
WICMH	MD	Wicomico River	154,300	493,800		648,100	910,000
WICMH		Wicomico River	155,500	498,200	81,400	735,100	1,002,500
MANMH	MD	Manokin River	43,500	208,800	88,900	341,200	342,700
BIGMH	MD	Big Annemessex River	3,100	69,700	71,900	144,600	154,300
POCTF	DE	Upper Pocomoke River	1,300	91,600		92,900	134,000
POCTF	MD	Upper Pocomoke River	42,800	755,800		798,600	896,700
POCTF		Upper Pocomoke River	44,100	847,400	20,300	911,800	1,050,300
POCOH_MD	MD	Middle Pocomoke River, MD	2,700	62,800	44,900	110,400	117,500
POCOH_VA	MD	Middle Pocomoke River, VA	1,000	61,700		62,700	69,300
POCOH_VA	VA	Middle Pocomoke River, VA	3,400	121,500		124,900	185,200
POCOH_VA		Middle Pocomoke River, VA	4,400	183,200	7,700	195,300	262,200
POCMH_MD	MD	Lower Pocomoke River, MD	1,600	90,200	124,000	215,900	227,200
POCMH_VA	VA	Lower Pocomoke River, VA	45,300	185,400	157,400	388,000	673,100
TANMH_MD	MD	Tangier Sound, MD	14,800	85,200	612,300	712,300	782,400
TANMH_VA	VA	Tangier Sound, VA	200	5,300	307,500	313,000	340,400
CB2OH	MD	Upper Chesapeake Bay	24,600	263,900	434,300	722,800	867,600
CB3MH	MD	Upper Central Chesapeake Bay	140,900	75,400	529,200	745,500	771,000
CB4MH	MD	Middle Central Chesapeake Bay	71,900	285,100	1,188,100	1,545,000	1,716,600
CB5MH_MD	MD	Lower Central Chesapeake Bay, MD	74,500	109,600	957,600	1,141,700	1,264,900
CB5MH_VA	VA	Lower Central Chesapeake Bay, VA	66,000	310,700	594,200	971,000	1,142,700
CB6PH	VA	Western Lower Chesapeake Bay	300	28,400	707,100	735,800	815,400

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Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
CB7PH	VA	Eastern Lower Chesapeake Bay	44,900	800,400	1,739,900	2,585,300	3,227,200
CB8PH	VA	Mouth of Chesapeake Bay	84,000	28,400	609,500	722,000	818,700
All	All	All	46,579,900	140,863,000	15,700,000	203,100,100	263,106,700
				WLA+LandLA			
All	All	All		187,442,800			

a. MOS is implicit (see Section 6.2.3)

Table 9-2. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocations^a (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Table 9-2. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocations^a (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
CB1TF	NY	Northern Chesapeake Bay	58,990	464,640	523,630	801,280
CB1TF	PA	Northern Chesapeake Bay	432,770	1,872,590	2,305,370	3,407,780
CB1TF	MD	Northern Chesapeake Bay	22,570	47,330	69,900	82,180
CB1TF		Northern Chesapeake Bay	514,330	2,384,560	2,898,890	4,291,250
BSHOH	MD	Bush River	30,230	7,640	37,870	63,790
GUNOH	PA	Gunpowder River	20	980	1,000	1,060
GUNOH	MD	Gunpowder River	13,140	17,370	30,510	58,610
GUNOH		Gunpowder River	13,170	18,340	31,510	59,670
MIDOH	MD	Middle River	2,780	420	3,200	11,820
BACOH	MD	Back River	91,500	770	92,270	75,580
PATMH	MD	Patapsco River	197,440	12,850	210,300	397,280
MAGMH	MD	Magothy River	4,350	1,700	6,060	20,780
SEVMH	MD	Severn River	20,420	3,250	23,670	50,590
SOUMH	MD	South River	4,910	4,630	9,540	19,710
RHDMH	MD	Rhode River	1,180	1,650	2,840	4,350
WSTMH	MD	West River	830	1,730	2,560	4,230
WBRTF	MD	Western Branch Patuxent River	15,090	4,800	19,890	25,990
PAXTF	MD	Upper Patuxent River	98,210	28,870	127,070	150,610
PAXOH	MD	Middle Patuxent River	3,090	14,950	18,040	31,320
PAXMH	MD	Lower Patuxent River	16,600	23,270	39,860	63,800
ANATF_MD	MD	Anacostia River, MD	33,470	7,230	40,700	61,550
ANATF_MD	DC	Anacostia River, MD	2,950	30	2,980	2,710
ANATF_MD		Anacostia River, MD	36,420	7,260	43,680	64,260
ANATF_DC	MD	Anacostia River, DC	6,440	360	6,800	10,770

Table 9-2. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocationsa (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
ANATF_DC	DC	Anacostia River, DC	14,570	350	14,920	27,380
ANATF_DC		Anacostia River, DC	21,020	710	21,720	38,150
POTTF_MD	PA	Upper Potomac River, MD	38,520	383,310	421,840	537,020
POTTF_MD	MD	Upper Potomac River, MD	187,980	380,770	568,750	696,310
POTTF_MD	DC	Upper Potomac River, MD	1,180	40	1,220	21,440
POTTF_MD	VA	Upper Potomac River, MD	192,340	886,010	1,078,360	1,591,940
POTTF_MD	WV	Upper Potomac River, MD	48,730	688,310	737,040	819,130
POTTF_MD		Upper Potomac River, MD	468,750	2,338,450	2,807,200	3,665,840
POTTF_DC	MD	Upper Potomac River, DC	103,500	1,520	105,010	46,390
POTTF_DC	DC	Upper Potomac River, DC	101,780	310	102,090	34,850
POTTF_DC	VA	Upper Potomac River, DC	32,810	480	33,290	30,360
POTTF_DC		Upper Potomac River, DC	238,080	2,310	240,400	111,590
POTTF_VA	VA	Upper Potomac River, VA	163,590	45,630	209,230	193,920
PISTF	MD	Piscataway Creek	26,420	5,500	31,920	25,390
MATTF	MD	Mattawoman Creek	8,830	6,910	15,740	20,640
POTOH1_MD	MD	Middle Potomac River, MD Mainstem	590	3,610	4,210	4,410
POTOH1_MD	VA	Middle Potomac River, MD Mainstem	580	1,720	2,300	3,070
POTOH1_MD		Middle Potomac River, MD Mainstem	1,170	5,330	6,500	7,480
POTOH2_MD	MD	Middle Potomac River, MD Nangemoy Creek	4,830	5,250	10,080	11,390
POTOH3_MD	MD	Middle Potomac River, MD Port Tobacco River	1,120	8,270	9,390	9,960
POTOH_VA	VA	Middle Potomac River, VA	10,890	22,770	33,660	38,410
POTMH_MD	MD	Lower Potomac River, MD	22,540	89,110	111,650	125,590
POTMH_MD	VA	Lower Potomac River, MD	240	5,440	5,690	7,070
POTMH_MD		Lower Potomac River, MD	22,780	94,550	117,340	132,660
POTMH_VA	VA	Lower Potomac River, VA	13,310	90,410	103,720	135,460

Table 9-2. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocationsa (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
RPPTF	VA	Upper Rappahannock River	95,610	634,200	729,810	875,780
RPPOH	VA	Middle Rappahannock River	170	20,190	20,360	23,110
RPPMH	VA	Lower Rappahannock River	8,500	93,960	102,460	130,830
CRRMH	VA	Corrotoman River	2,660	11,330	13,990	16,020
MPNTF	VA	Upper Mattaponi River	11,730	76,370	88,100	102,840
MPNOH	VA	Lower Mattaponi River	690	12,180	12,870	15,970
PMKTF	VA	Upper Pamunkey River	33,130	137,390	170,520	201,650
PMKOH	VA	Lower Pamunkey River	72,810	5,770	78,580	61,330
PIAMH	VA	Piankatank River	5,770	40,740	46,510	49,430
YRKMH	VA	Middle York River	2,570	28,500	31,070	39,470
YRKPH	VA	Lower York River	4,930	7,400	12,330	16,740
MOBPH	VA	Mobjack Bay	65,810	28,720	94,540	127,430
JMSTF2	WV	Upper James River Upper	340	9,410	9,750	13,930
JMSTF2	VA	Upper James River Upper	498,960	976,820	1,475,780	1,976,820
JMSTF2		Upper James River Upper	499,300	986,230	1,485,530	1,990,740
JMSTF1	VA	Upper James River Lower	100,470	53,400	153,860	131,520
APPTF	VA	Appomattox River	49,100	127,450	176,540	242,250
CHKOH	VA	Chickahominy River	11,090	47,460	58,550	80,050
JMSOH	VA	Middle James River	26,610	20,180	46,790	74,590
JMSMH	VA	Lower James River	66,090	65,370	131,450	187,600
JMSPH	VA	Mouth of James River	117,400	660	118,060	194,760
ELIPH	VA	Mouth to mid Elizabeth River	44,010	680	44,690	63,680
WBEMH	VA	Western Branch Elizabeth River	10,900	2,380	13,280	25,000
SBEMH	VA	Southern Branch Elizabeth River	27,380	7,730	35,110	68,380
EBEMH	VA	Eastern Branch Elizabeth River	19,060	1,080	20,140	45,100

Table 9-2. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocationsa (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
LAFMH	VA	Lafayette River	6,610	300	6,910	13,400
LYNPH	VA	Lynnhaven River	42,150	2,480	44,630	123,000
NORTF	PA	Northeast River	160	1,500	1,650	2,210
NORTF	MD	Northeast River	5,350	7,060	12,410	13,210
NORTF		Northeast River	5,500	8,560	14,060	15,420
ELKOH	PA	Elk River	3,730	8,620	12,350	17,290
ELKOH	DE	Elk River	130	370	500	910
ELKOH	MD	Elk River	9,530	16,750	26,280	30,120
ELKOH		Elk River	13,400	25,740	39,140	48,320
C&DOH_DE	DE	C&D Canal, DE	390	2,150	2,530	3,380
C&DOH_DE	MD	C&D Canal, DE	0	10	10	40
C&DOH_DE		C&D Canal, DE	390	2,160	2,550	3,410
C&DOH_MD	DE	C&D Canal, MD	890	4,620	5,500	7,210
C&DOH_MD	MD	C&D Canal, MD	1,740	3,700	5,450	6,490
C&DOH_MD		C&D Canal, MD	2,630	8,320	10,950	13,700
BOHOH	DE	Bohemia River	340	4,500	4,840	6,010
BOHOH	MD	Bohemia River	740	14,430	15,170	20,170
BOHOH		Bohemia River	1,080	18,930	20,010	26,180
SASOH	DE	Sassafras River	30	3,580	3,620	4,460
SASOH	MD	Sassafras River	1,680	31,220	32,890	36,920
SASOH		Sassafras River	1,710	34,800	36,510	41,380
CHSTF	DE	Upper Chester River	220	13,330	13,550	16,300
CHSTF	MD	Upper Chester River	1,600	50,220	51,810	52,060
CHSTF		Upper Chester River	1,820	63,550	65,370	68,360
CHSOH	MD	Middle Chester River	3,800	59,380	63,180	67,790

Table 9-2. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocationsa (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
CHSMH	MD	Lower Chester River	3,340	48,900	52,240	52,240
EASMH	MD	Eastern Bay	2,560	67,380	69,940	71,880
CHOTF	DE	Upper Choptank River	810	34,560	35,360	41,660
CHOTF	MD	Upper Choptank River	6,000	128,420	134,420	147,150
CHOTF		Upper Choptank River	6,810	162,980	169,790	188,820
CHOOH	MD	Middle Choptank River	5,150	61,130	66,280	63,660
CHOMH2	MD	Mouth of Choptank River	9,880	30,620	40,500	41,660
CHOMH1	MD	Lower Choptank River	1,690	35,870	37,560	40,920
LCHMH	MD	Little Choptank River	230	21,300	21,530	22,980
HNGMH	MD	Honga River	70	4,460	4,530	6,600
FSBMH	MD	Fishing Bay	1,450	71,790	73,240	78,240
NANTF_DE	DE	Upper Nanticoke, DE	9,440	141,320	150,760	181,480
NANTF_DE	MD	Upper Nanticoke, DE	1,130	1,910	3,030	2,900
NANTF_DE		Upper Nanticoke, DE	10,570	143,230	153,800	184,380
NANTF_MD	DE	Upper Nanticoke, MD	0	0	0	20
NANTF_MD	MD	Upper Nanticoke, MD	70	6,620	6,690	7,010
NANTF_MD		Upper Nanticoke, MD	70	6,630	6,700	7,030
NANOH	DE	Middle Nanticoke River	800	34,720	35,520	42,980
NANOH	MD	Middle Nanticoke River	6,320	73,060	79,380	84,220
NANOH		Middle Nanticoke River	7,130	107,780	114,910	127,200
NANMH	MD	Lower Nanticoke River	240	10,100	10,340	11,170
WICMH	DE	Wicomico River	200	290	480	970
WICMH	MD	Wicomico River	13,780	48,200	61,980	85,490
WICMH		Wicomico River	13,980	48,490	62,460	86,460
MANMH	MD	Manokin River	6,230	23,970	30,200	25,730

Table 9-2. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocations^a (pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
BIGMH	MD	Big Annemessex River	410	7,950	8,360	8,300
POCTF	DE	Upper Pocomoke River	250	8,890	9,130	10,240
POCTF	MD	Upper Pocomoke River	4,750	91,140	95,890	95,390
POCTF		Upper Pocomoke River	5,000	100,030	105,030	105,630
POCOH_MD	MD	Middle Pocomoke River, MD	990	7,530	8,520	8,180
POCOH_VA	MD	Middle Pocomoke River, VA	240	7,900	8,140	7,730
POCOH_VA	VA	Middle Pocomoke River, VA	610	17,270	17,880	20,920
POCOH_VA		Middle Pocomoke River, VA	850	25,180	26,020	28,650
POCMH_MD	MD	Lower Pocomoke River, MD	200	11,110	11,300	11,170
POCMH_VA	VA	Lower Pocomoke River, VA	3,720	24,780	28,500	31,870
TANMH_MD	MD	Tangier Sound, MD	1,360	6,140	7,500	8,280
TANMH_VA	VA	Tangier Sound, VA	40	440	480	530
CB2OH	MD	Upper Chesapeake Bay	2,560	27,090	29,640	34,740
CB3MH	MD	Upper Central Chesapeake Bay	9,200	7,490	16,690	23,940
CB4MH	MD	Middle Central Chesapeake Bay	6,730	13,350	20,080	35,620
CB5MH_MD	MD	Lower Central Chesapeake Bay, MD	5,750	6,260	12,010	28,780
CB5MH_VA	VA	Lower Central Chesapeake Bay, VA	6,330	29,320	35,650	44,970
CB6PH	VA	Western Lower Chesapeake Bay	40	2,340	2,380	2,770
CB7PH	VA	Eastern Lower Chesapeake Bay	4,970	111,110	116,080	140,020
CB8PH	VA	Mouth of Chesapeake Bay	14,010	1,350	15,360	30,450
All	All	All	3,517,770	9,002,440	12,520,200	16,464,030
				WLA+LandLA		
All	All	All		12,520,200		

a. MOS is implicit (see Section 6.2.3)

Table 9-3. Draft Chesapeake Bay TMDL sediment (SED) annual allocations^a (thousands of pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Table 9-3. Draft Chesapeake Bay TMDL sediment (SED) annual allocations ^a (thousands of pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS						
Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
CB1TF	NY	Northern Chesapeake Bay	27.985	264.976	292.96	327.154
CB1TF	PA	Northern Chesapeake Bay	154.735	1,603.47	1,758.20	2,225.88
CB1TF	MD	Northern Chesapeake Bay	5.948	64.19	70.138	80.793
CB1TF		Northern Chesapeake Bay	188.668	1,932.63	2,121.30	2,633.83
BSHOH	MD	Bush River	13.274	10.814	24.088	35.409
GUNOH	PA	Gunpowder River	0.005	0.367	0.372	0.727
GUNOH	MD	Gunpowder River	9.303	24.498	33.801	57.277
GUNOH		Gunpowder River	9.309	24.864	34.173	58.003
MIDOH	MD	Middle River	0.517	0.211	0.728	1.577
BACOH	MD	Back River	16.007	0.38	16.386	9.428
PATMH	MD	Patapsco River	57.139	22.316	79.455	113.382
MAGMH	MD	Magothy River	0.911	0.486	1.397	2.109
SEVMH	MD	Severn River	3.006	0.804	3.809	3.724
SOUMH	MD	South River	1.1	0.83	1.931	3.03
RHDMH	MD	Rhode River	0.173	0.327	0.5	0.74
WSTMH	MD	West River	0.119	0.399	0.518	1.001
WBRTF	MD	Western Branch Patuxent River	9.553	7.386	16.939	23.234
PAXTF	MD	Upper Patuxent River	28.058	31.346	59.403	67.342
PAXOH	MD	Middle Patuxent River	0.502	5.407	5.909	10.781
PAXMH	MD	Lower Patuxent River	0.855	6.134	6.989	12.133
ANATF_MD	MD	Anacostia River, MD	47.178	22.993	70.171	111.376
ANATF_MD	DC	Anacostia River, MD	0.368	0.006	0.374	0.609
ANATF_MD		Anacostia River, MD	47.546	23	70.546	111.985
ANATF_DC	MD	Anacostia River, DC	0.8	0.09	0.89	1.616

Table 9-3. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS						
Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
ANATF_DC	DC	Anacostia River, DC	1.831	0.058	1.889	4.741
ANATF_DC		Anacostia River, DC	2.631	0.148	2.779	6.358
POTTF_MD	PA	Upper Potomac River, MD	9.917	224.015	233.932	307.04
POTTF_MD	MD	Upper Potomac River, MD	65.376	432.197	497.574	544.927
POTTF_MD	DC	Upper Potomac River, MD	0.45	0.03	0.481	18.042
POTTF_MD	VA	Upper Potomac River, MD	33.778	688.329	722.107	948.173
POTTF_MD	WV	Upper Potomac River, MD	11.507	236.599	248.106	346.851
POTTF_MD		Upper Potomac River, MD	121.029	1,581.17	1,702.20	2,165.03
POTTF_DC	MD	Upper Potomac River, DC	26.229	6.091	32.32	25.206
POTTF_DC	DC	Upper Potomac River, DC	7.678	0.735	8.414	8.418
POTTF_DC	VA	Upper Potomac River, DC	5.214	0.42	5.635	6.385
POTTF_DC		Upper Potomac River, DC	39.121	7.247	46.368	40.01
POTTF_VA	VA	Upper Potomac River, VA	28.993	30.794	59.787	99.787
PISTF	MD	Piscataway Creek	4.433	3.176	7.609	6.183
MATTF	MD	Mattawoman Creek	2.178	3.794	5.972	6.869
POTOH1_MD	MD	Middle Potomac River, MD Mainstem	0.142	1.509	1.65	1.926
POTOH1_MD	VA	Middle Potomac River, MD Mainstem	0.067	0.215	0.282	0.375
POTOH1_MD		Middle Potomac River, MD Mainstem	0.209	1.724	1.933	2.3
POTOH2_MD	MD	Middle Potomac River, MD Nangemoy Creek	0.521	1.785	2.306	2.653
POTOH3_MD	MD	Middle Potomac River, MD Port Tobacco River	0.174	2.861	3.035	3.514
POTOH_VA	VA	Middle Potomac River, VA	2.407	7.987	10.393	17.259
POTMH_MD	MD	Lower Potomac River, MD	7.498	53.303	60.801	72.285
POTMH_MD	VA	Lower Potomac River, MD	0.042	0.641	0.683	0.683
POTMH_MD		Lower Potomac River, MD	7.54	53.944	61.485	72.968
POTMH_VA	VA	Lower Potomac River, VA	0.349	10.087	10.436	10.267

Table 9-3. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
RPPTF	VA	Upper Rappahannock River	13.732	640.324	654.056	706.956
RPPOH	VA	Middle Rappahannock River	0.02	1.088	1.108	1.226
RPPMH	VA	Lower Rappahannock River	1.312	27.844	29.156	38
CRRMH	VA	Corrotoman River	0.048	1.013	1.061	1.276
MPNTF	VA	Upper Mattaponi River	0.524	16.483	17.007	20.734
MPNOH	VA	Lower Mattaponi River	0.027	1.513	1.54	1.605
PMKTF	VA	Upper Pamunkey River	2.545	59.486	62.031	83.168
PMKOH	VA	Lower Pamunkey River	0.293	0.884	1.178	1.519
PIAMH	VA	Piankatank River	0.555	12.02	12.575	13.66
YRKMH	VA	Middle York River	0.194	3.116	3.31	4.088
YRKPH	VA	Lower York River	0.356	1.18	1.536	2.101
MOBPH	VA	Mobjack Bay	3.232	4.24	7.472	14.112
JMSTF2	WV	Upper James River Upper	0.132	16.513	16.645	28.274
JMSTF2	VA	Upper James River Upper	32.635	710.949	743.584	1,050.74
JMSTF2		Upper James River Upper	32.767	727.462	760.229	1,079.01
JMSTF1	VA	Upper James River Lower	2.085	4.057	6.142	9.015
APPTF	VA	Appomattox River	13.521	51.23	64.751	104.214
CHKOH	VA	Chickahominy River	0.393	2.146	2.539	4.339
JMSOH	VA	Middle James River	0.534	4.542	5.076	6.691
JMSMH	VA	Lower James River	3.098	11.779	14.878	24.915
JMSPH	VA	Mouth of James River	3.459	0.072	3.53	6.505
ELIPH	VA	Mouth to mid Elizabeth River	1.129	0.064	1.194	3.056
WBEMH	VA	Western Branch Elizabeth River	0.994	0.17	1.164	2.637
SBEMH	VA	Southern Branch Elizabeth River	1.853	0.496	2.349	4.741
EBEMH	VA	Eastern Branch Elizabeth River	1.818	0.057	1.875	4.406

Table 9-3. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS						
Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
LAFMH	VA	Lafayette River	1.064	0.031	1.096	2.336
LYNPH	VA	Lynnhaven River	2.687	0.245	2.932	7.883
NORTF	PA	Northeast River	0.069	2.099	2.168	3.254
NORTF	MD	Northeast River	3.836	10.75	14.587	16.453
NORTF		Northeast River	3.905	12.85	16.755	19.707
ELKOH	PA	Elk River	1.091	17.865	18.956	28.363
ELKOH	DE	Elk River	0.016	0.044	0.06	0.107
ELKOH	MD	Elk River	1.649	7.087	8.736	9.989
ELKOH		Elk River	2.755	24.997	27.752	38.459
C&DOH_DE	DE	C&D Canal, DE	0.079	0.422	0.502	0.627
C&DOH_DE	MD	C&D Canal, DE	0	0.004	0.004	0.005
C&DOH_DE		C&D Canal, DE	0.08	0.426	0.506	0.631
C&DOH_MD	DE	C&D Canal, MD	0.169	0.905	1.074	1.291
C&DOH_MD	MD	C&D Canal, MD	0.108	0.975	1.083	1.259
C&DOH_MD		C&D Canal, MD	0.278	1.88	2.157	2.55
BOHOH	DE	Bohemia River	0.034	0.577	0.612	0.624
BOHOH	MD	Bohemia River	0.065	3.186	3.251	3.759
BOHOH		Bohemia River	0.099	3.764	3.863	4.383
SASOH	DE	Sassafras River	0.004	0.637	0.641	0.685
SASOH	MD	Sassafras River	0.287	8.341	8.628	9.99
SASOH		Sassafras River	0.291	8.979	9.27	10.674
CHSTF	DE	Upper Chester River	0.058	3.02	3.078	3.351
CHSTF	MD	Upper Chester River	0.147	12.18	12.327	13.398
CHSTF		Upper Chester River	0.205	15.2	15.405	16.749
CHSOH	MD	Middle Chester River	0.287	9.4	9.687	10.775

Table 9-3. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS						
Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
CHSMH	MD	Lower Chester River	0.541	12.377	12.918	14.317
EASMH	MD	Eastern Bay	0.576	9.866	10.443	11.317
CHOTF	DE	Upper Choptank River	0.24	7.025	7.265	7.429
CHOTF	MD	Upper Choptank River	1.285	18.054	19.338	20.301
CHOTF		Upper Choptank River	1.524	25.079	26.603	27.73
CHOOH	MD	Middle Choptank River	0.558	4.03	4.588	4.51
CHOMH2	MD	Mouth of Choptank River	0.967	2.989	3.956	3.79
CHOMH1	MD	Lower Choptank River	0.387	4.579	4.966	5.816
LCHMH	MD	Little Choptank River	0.099	3.113	3.212	3.49
HNGMH	MD	Honga River	0.011	0.533	0.544	0.647
FSBMH	MD	Fishing Bay	0.082	4.598	4.679	5.114
NANTF_DE	DE	Upper Nanticoke, DE	6.89	29.447	36.337	42.031
NANTF_DE	MD	Upper Nanticoke, DE	0.02	0.105	0.124	0.128
NANTF_DE		Upper Nanticoke, DE	6.91	29.552	36.462	42.16
NANTF_MD	DE	Upper Nanticoke, MD	0	0	0	0.001
NANTF_MD	MD	Upper Nanticoke, MD	0.015	0.498	0.513	0.557
NANTF_MD		Upper Nanticoke, MD	0.015	0.498	0.513	0.558
NANOH	DE	Middle Nanticoke River	0.282	7.068	7.35	7.696
NANOH	MD	Middle Nanticoke River	0.674	6.949	7.622	8.164
NANOH		Middle Nanticoke River	0.956	14.016	14.972	15.861
NANMH	MD	Lower Nanticoke River	0.041	0.744	0.785	0.829
WICMH	DE	Wicomico River	0.068	0.035	0.103	0.174
WICMH	MD	Wicomico River	1.769	4.714	6.483	7.184
WICMH		Wicomico River	1.837	4.749	6.586	7.358
MANMH	MD	Manokin River	0.334	1.217	1.551	1.494

Table 9-3. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the proposed amended Chesapeake Bay WQS						
Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
BIGMH	MD	Big Annemessex River	0.029	0.603	0.631	0.665
POCTF	DE	Upper Pocomoke River	0.043	0.758	0.801	0.522
POCTF	MD	Upper Pocomoke River	0.494	10.347	10.841	11.191
POCTF		Upper Pocomoke River	0.538	11.105	11.643	11.713
POCOH_MD	MD	Middle Pocomoke River, MD	0.197	0.589	0.786	0.797
POCOH_VA	MD	Middle Pocomoke River, VA	0.046	0.64	0.686	0.714
POCOH_VA	VA	Middle Pocomoke River, VA	0.019	0.672	0.691	0.978
POCOH_VA		Middle Pocomoke River, VA	0.065	1.312	1.377	1.692
POCMH_MD	MD	Lower Pocomoke River, MD	0.056	1.265	1.32	1.365
POCMH_VA	VA	Lower Pocomoke River, VA	0.077	1.117	1.194	1.611
TANMH_MD	MD	Tangier Sound, MD	0.19	0.417	0.607	0.679
TANMH_VA	VA	Tangier Sound, VA	0.003	0.013	0.016	0.02
CB2OH	MD	Upper Chesapeake Bay	0.387	7.394	7.781	9.344
CB3MH	MD	Upper Central Chesapeake Bay	1.124	1.932	3.055	2.647
CB4MH	MD	Middle Central Chesapeake Bay	1.063	2.574	3.637	5.412
CB5MH_MD	MD	Lower Central Chesapeake Bay, MD	0.632	1.154	1.786	2.035
CB5MH_VA	VA	Lower Central Chesapeake Bay, VA	0.171	3.711	3.882	5.354
CB6PH	VA	Western Lower Chesapeake Bay	0.005	0.338	0.343	0.388
CB7PH	VA	Eastern Lower Chesapeake Bay	0.276	8.731	9.007	13.773
CB8PH	VA	Mouth of Chesapeake Bay	1.671	0.087	1.759	3.58
All	All	All	704	5,581	6,285	7,979
				WLA+LandLA		
All	All	All		6,285		

a. MOS is implicit (see Section 6.2.3)

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS						
Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
ADDISON (V)	NY0020320	NY	CB1TF	3,837	128	19,187
ALFRED (V)	NY0022357	NY	CB1TF	8,954	298	44,770
BATH (V)	NY0021431	NY	CB1TF	9,137	305	45,683
BINGHAMTON-JOHNSON CITY JOINT BOROUGH	NY0024414	NY	CB1TF	182,734	6,091	913,668
CANISTEO (V) STP	NY0023248	NY	CB1TF	6,396	213	31,978
CHENANGO NORTHGATE WWTP	NY0213781	NY	CB1TF	7,309	244	36,547
COOPERSTOWN	NY0023591	NY	CB1TF	6,853	228	34,263
CORNING (C)	NY0025721	NY	CB1TF	28,141	938	140,705
CORTLAND (C)	NY0027561	NY	CB1TF	82,230	2,741	411,151
ELMIRA / CHEMUNG CO. SD #2	NY0035742	NY	CB1TF	109,640	3,655	548,201
ENDICOTT (V)	NY0027669	NY	CB1TF	91,367	3,046	456,834
ERWIN (T)	NY0023906	NY	CB1TF	15,989	533	79,946
GREENE (V) WWTP	NY0021407	NY	CB1TF	4,112	137	20,558
HAMILTON (V)	NY0020672	NY	CB1TF	7,766	259	38,831
HORNELL (C)	NY0023647	NY	CB1TF	36,547	1,218	182,734
KRAFT FOODS GLOBAL	NY0004308	NY	CB1TF	2,543	36	68,525
KRAFT FOODS, INC.	NY0004189	NY	CB1TF	1,893	27	51,013
LAKE STREET/CHEMUNG COUNTY SD #1	NY0036986	NY	CB1TF	86,798	2,893	433,992
NORWICH	NY0021423	NY	CB1TF	21,700	723	108,498
ONEONTA (C)	NY0031151	NY	CB1TF	36,547	1,218	182,734
OWEGO #2	NY0025798	NY	CB1TF	18,273	609	91,367
OWEGO (T) #1	NY0022730	NY	CB1TF	7,748	258	38,740
OWEGO (V)	NY0029262	NY	CB1TF	9,137	305	45,683

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
PAINTED POST (V)	NY0025712	NY	CB1TF	4,568	152	22,842
RICHFIELD SPRINGS (V)	NY0031411	NY	CB1TF	5,482	183	27,410
SHERBURNE (V) WWTP	NY0021466	NY	CB1TF	3,901	130	19,507
SIDNEY (V)	NY0029271	NY	CB1TF	15,532	518	77,662
WAVERLY (V)	NY0031089	NY	CB1TF	7,766	259	38,831
WISE FOODS INC	PA0007498	PA	CB1TF	2,616	22	14,375
EMPIRE KOSHER POULTRY-MIFFLINT	PA0007552	PA	CB1TF	9,755	83	53,602
POPE & TALBOT WIS INC.	PA0007919	PA	CB1TF	8,248	70	45,318
GOLD MILLS DYEHOUSE	PA0008231	PA	CB1TF	2,778	25	48,729
APPLETON PAPER SPRINGMILL	PA0008265	PA	CB1TF	21,462	183	117,924
MERCK & COMPANY	PA0008419	PA	CB1TF	21,595	450	289,937
PPL MONTOUR LLC	PA0008443	PA	CB1TF	34,897	149	191,748
NATIONAL GYPSUM COMPANY-MILTON PLANT	PA0008591	PA	CB1TF	1,074	12	7,553
P-H GLATFELTER COMPANY	PA0008869	PA	CB1TF	57,068	847	701,697
PROCTOR & GAMBLE PAPER PRODUCTS	PA0008885	PA	CB1TF	34,232	292	188,094
OSRAM SYLVANIA PRODUCTS, INC.	PA0009024	PA	CB1TF	4,878	42	26,801
CONSOLIDATED RAIL CORPORATION-ENOLA	PA0009229	PA	CB1TF	1,232	12	12,182
HEINZ PET FOODS	PA0009270	PA	CB1TF	2,975	25	16,349
MOTTS INC	PA0009326	PA	CB1TF	4,612	39	25,339
USFW-LAMAR NATIONAL FISH HATCHERY	PA0009857	PA	CB1TF	26,818	229	147,356
PAPETTI'S ACQUISTION INC (QUAKER STATE FARMS)	PA0009911	PA	CB1TF	1,308	11	7,188
PENNSYLVANIA FISH & BOAT COMMISSION-BENNER SPRINGS	PA0010553	PA	CB1TF	40,866	284	224,543
PENNSYLVANIA FISH & BOAT COMMISSION-PLEASANT GAP	PA0010561	PA	CB1TF	24,424	197	134,200
BLOSSBURG	PA0020036	PA	CB1TF	3,655	122	9,746

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
MOUNT UNION BOROUGH	PA0020214	PA	CB1TF	8,680	289	23,146
ROARING SPRING BOROUGH	PA0020249	PA	CB1TF	6,396	213	17,055
MILTON MUNICIPAL AUTHORITY	PA0020273	PA	CB1TF	31,247	1,042	83,326
LITITZ SEWAGE AUTHORITY	PA0020320	PA	CB1TF	35,176	1,173	93,802
KULPMONT-MARION HEIGHTS JT MUN	PA0020338	PA	CB1TF	4,568	152	12,182
BELLEFONTE BOROUGH	PA0020486	PA	CB1TF	29,420	981	78,453
NORTHUMBERLAND BOROUGH	PA0020567	PA	CB1TF	10,279	343	27,410
MIDDLEBURG MUN AUTH	PA0020583	PA	CB1TF	4,111	137	10,964
MIDDLETOWN	PA0020664	PA	CB1TF	20,101	670	53,601
MONTGOMERY BOROUGH	PA0020699	PA	CB1TF	7,766	259	20,710
WHITE DEER TOWNSHIP	PA0020800	PA	CB1TF	5,482	183	14,619
GLEN ROCK SEW AUTH	PA0020818	PA	CB1TF	5,482	183	14,619
DOVER TOWNSHIP SEWER AUTHORITY	PA0020826	PA	CB1TF	73,093	2,436	194,914
MECHANICSBURG BOROUGH MUNICIPAL	PA0020885	PA	CB1TF	19,004	633	50,678
MANHEIM BOROUGH AUTHORITY	PA0020893	PA	CB1TF	10,416	347	27,775
PINE GROVE BOROUGH AUTHORITY	PA0020915	PA	CB1TF	13,705	457	36,546
NEW OXFORD MUNICIPAL FACILITY	PA0020923	PA	CB1TF	16,336	545	43,563
MOUNT JOY	PA0021067	PA	CB1TF	13,979	466	37,277
NEWPORT BORO MUN AUTH	PA0021237	PA	CB1TF	3,655	122	9,746
DUNCANNON BORO	PA0021245	PA	CB1TF	6,761	225	18,030
WILLIAMSBURG BOROUGH	PA0021539	PA	CB1TF	4,568	152	12,182
MARYSVILLE MUNICIPAL AUTHORITY	PA0021571	PA	CB1TF	11,421	381	30,455
DOVER BORO	PA0021644	PA	CB1TF	3,655	122	9,746
WELLSBORO MUNICIPAL AUTHORITY	PA0021687	PA	CB1TF	18,273	609	48,729
MARIETTA-DONEGAL JOINT AUTHORITY	PA0021717	PA	CB1TF	6,852	228	18,273

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
ANNVILLE TOWNSHIP	PA0021806	PA	CB1TF	6,852	228	18,273
MANSFIELD BOROUGH	PA0021814	PA	CB1TF	11,878	396	31,675
ADAMSTOWN BORO AUTH OF LANCAST	PA0021865	PA	CB1TF	5,482	183	14,619
WESTFIELD BORO	PA0021881	PA	CB1TF	4,203	140	11,208
NEW HOLLAND BOROUGH AUTHORITY	PA0021890	PA	CB1TF	12,243	408	32,648
BEDFORD BOROUGH MUNICIPAL AUTHORITY	PA0022209	PA	CB1TF	13,705	457	36,546
MILLERSBURG BOROUGH AUTHORITY	PA0022535	PA	CB1TF	9,137	305	24,364
ELIZABETHTOWN BOROUGH	PA0023108	PA	CB1TF	41,115	1,370	109,639
HASTINGS AREA SA	PA0023141	PA	CB1TF	5,482	183	14,619
MT. HOLLY SPRINGS BOROUGH AUTHORITY	PA0023183	PA	CB1TF	5,482	183	14,619
BERWICK MUNICIPAL AUTHORITY	PA0023248	PA	CB1TF	33,440	1,115	89,173
BERWICK MUNICIPAL AUTHORITY	PA0023248	PA	CB1TF	33,440	1,115	89,173
TWIN BOROUGH SANITARY AUTHORITY	PA0023264	PA	CB1TF	8,223	274	21,928
WRIGHTSVILLE BORO MUN AUTH	PA0023442	PA	CB1TF	3,655	122	9,746
DANVILLE MUNICIPAL AUTHORITY	PA0023531	PA	CB1TF	33,075	1,102	88,199
DANVILLE MUNICIPAL AUTHORITY	PA0023531	PA	CB1TF	33,075	1,102	88,199
ASHLAND MUNICIPAL AUTHORITY	PA0023558	PA	CB1TF	11,878	396	31,674
TRI-BORO MUNICIPAL AUTHORITY	PA0023736	PA	CB1TF	4,568	152	12,182
NORTHEASTERN YORK COUNTRY	PA0023744	PA	CB1TF	15,532	518	41,419
HIGHSPIRE	PA0024040	PA	CB1TF	18,273	609	48,729
PENNFIELD FARMS INC (BC NATURAL CHICKEN LLC)	PA0024228	PA	CB1TF	2,661	23	14,619
PALMYRA BOROUGH AUTHORITY	PA0024287	PA	CB1TF	12,974	432	34,597
MUNCY BOROUGH MUNICIPAL AUTHORITY	PA0024325	PA	CB1TF	12,791	426	34,110
NORTH MIDDLETON AUTH	PA0024384	PA	CB1TF	8,451	282	22,537
MT. CARMEL MUNICIPAL SEWAGE AUTHORITY	PA0024406	PA	CB1TF	20,556	685	54,816

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
MT. CARMEL MUNICIPAL SEWAGE AUTHORITY	PA0024406	PA	CB1TF	20,556	685	54,816
MT. CARMEL MUNICIPAL SEWAGE AUTHORITY	PA0024406	PA	CB1TF	20,556	685	54,816
DILLSBURG BOROUGH AUTHORITY	PA0024431	PA	CB1TF	13,979	466	37,277
DILLSBURG BOROUGH AUTHORITY	PA0024431	PA	CB1TF	13,979	466	37,277
UNION TWP STP	PA0024708	PA	CB1TF	5,939	198	15,837
CURWENSVILLE MUNICIPAL AUTHORITY	PA0024759	PA	CB1TF	6,852	228	18,273
UPPER ALLEN TOWNSHIP	PA0024902	PA	CB1TF	10,050	335	26,801
SAXTON BORO MUN AUTH	PA0025381	PA	CB1TF	3,655	122	9,746
LOCK HAVEN	PA0025933	PA	CB1TF	34,262	1,142	91,366
CARLISLE BOROUGH	PA0026077	PA	CB1TF	63,956	2,132	170,550
WYOMING VALLEY	PA0026107	PA	CB1TF	292,371	9,746	779,657
COLUMBIA	PA0026123	PA	CB1TF	18,273	609	48,729
HUNTINGDON BOROUGH	PA0026191	PA	CB1TF	36,546	1,218	97,457
UNIVERSITY AREA JOINT AUTHORITY	PA0026239	PA	CB1TF	82,229	2,741	219,279
YORK CITY	PA0026263	PA	CB1TF	237,552	7,918	633,471
LEWISTOWN BOROUGH	PA0026280	PA	CB1TF	25,747	858	68,659
CLEARFIELD	PA0026310	PA	CB1TF	41,115	1,370	109,639
LOWER LACKAWANNA VALLEY	PA0026361	PA	CB1TF	54,820	1,827	146,186
LEMOYNE BOROUGH MUNICIPAL AUTHORITY	PA0026441	PA	CB1TF	19,077	636	50,873
DERRY TOWNSHIP MUNICIPAL AUTHORITY	PA0026484	PA	CB1TF	45,866	1,529	122,309
SCRANTON SEWER AUTHORITY	PA0026492	PA	CB1TF	182,732	6,091	487,286
SUNBURY CITY MUNICIPAL AUTHORITY	PA0026557	PA	CB1TF	38,374	1,279	102,330
MILLERSVILLE BOROUGH	PA0026620	PA	CB1TF	16,903	563	45,074
NEW CUMBERLAND BOROUGH AUTHORITY	PA0026654	PA	CB1TF	11,421	381	30,455
TYRONE BOROUGH SEWER AUTHORITY	PA0026727	PA	CB1TF	82,229	2,741	219,279

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
SWATARA TOWNSHIP	PA0026735	PA	CB1TF	57,561	1,919	153,495
LANCASTER CITY	PA0026743	PA	CB1TF	293,105	9,770	77,318
SPRINGETTSBURY TOWNSHIP	PA0026808	PA	CB1TF	137,049	4,568	365,464
HANOVER BOROUGH	PA0026875	PA	CB1TF	41,115	1,370	109,639
HANOVER BOROUGH	PA0026875	PA	CB1TF	41,115	1,370	109,639
GREATER HAZELTON	PA0026921	PA	CB1TF	81,316	2,711	216,842
ALTOONA CITY AUTHORITY-EAST	PA0027014	PA	CB1TF	73,093	2,436	194,914
ALTOONA CITY AUTHORITY-WEST	PA0027022	PA	CB1TF	82,229	2,741	219,279
WILLIAMSPORT SANITARY AUTHORITY-WEST	PA0027049	PA	CB1TF	35,815	1,194	95,508
WILLIAMSPORT SANITARY AUTHORITY-CENTRAL	PA0027057	PA	CB1TF	76,747	2,558	204,660
LACKAWANNA RIVER BASIN SEWER AUTHORITY	PA0027065	PA	CB1TF	54,820	1,827	146,186
LACKAWANNA RIVER BASIN SEWER AUTHORITY	PA0027081	PA	CB1TF	6,396	213	17,055
LACKAWANNA RIVER BASIN SEWER AUTHORITY	PA0027081	PA	CB1TF	6,396	213	17,055
LACKAWANNA RIVER BASIN SEWER AUTHORITY	PA0027081	PA	CB1TF	6,396	213	17,055
LACKAWANNA RIVER BASIN SEWER AUTHORITY	PA0027090	PA	CB1TF	63,956	2,132	170,550
BLOOMSBURG MUNICIPAL AUTHORITY	PA0027171	PA	CB1TF	39,196	1,307	104,523
LOWER ALLEN TOWNSHIP AUTHORITY	PA0027189	PA	CB1TF	57,104	1,903	152,277
LOWER ALLEN TOWNSHIP AUTHORITY	PA0027189	PA	CB1TF	57,104	1,903	152,277
HARRISBURG SEWERAGE AUTHORITY	PA0027197	PA	CB1TF	344,450	11,482	918,533
LEBANON CITY AUTHORITY	PA0027316	PA	CB1TF	73,093	2,436	194,914
SHAMOKIN-COAL TOWNSHIP JOINT SANITARY AUTHORITY	PA0027324	PA	CB1TF	63,956	2,132	170,550
EPHRATA BOROUGH WWTP	PA0027405	PA	CB1TF	34,719	1,157	92,584

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
PINE CREEK MUNICIPAL AUTHORITY	PA0027553	PA	CB1TF	11,878	396	31,674
BROWN TOWNSHIP MUNICIPAL AUTHORITY	PA0028088	PA	CB1TF	5,482	183	14,619
FT INDIANTOWN GAP	PA0028142	PA	CB1TF	9,137	305	24,364
TROY BORO	PA0028266	PA	CB1TF	3,655	122	9,746
MARTINSBURG	PA0028347	PA	CB1TF	6,396	213	17,055
MIFFLINBURG BOROUGH MUNICIPAL	PA0028461	PA	CB1TF	12,791	426	34,110
CLARKS SUMMIT-SOUTH ABINGTON JOINT AUTHORITY	PA0028576	PA	CB1TF	22,842	761	60,911
EMPORIUM BOROUGH (MID-CAMERON AUTHORITY)	PA0028631	PA	CB1TF	9,137	305	24,364
JERSEY SHORE BOROUGH	PA0028665	PA	CB1TF	9,593	320	25,582
GALLITZIN BORO	PA0028673	PA	CB1TF	3,655	122	9,746
KELLY TOWNSHIP MUNICIPAL AUTHORITY	PA0028681	PA	CB1TF	34,262	1,142	91,366
RALPHO TWP MUN AUTH	PA0028738	PA	CB1TF	6,569	219	17,518
QUARRYVILLE STP	PA0028886	PA	CB1TF	3,655	122	9,746
GREENFIELD TWP MUN AUTH	PA0029106	PA	CB1TF	7,309	244	19,491
DALLAS SCI	PA0030139	PA	CB1TF	4,111	137	10,964
SHIPPENSBURG BOROUGH AUTHORITY	PA0030643	PA	CB1TF	30,151	1,005	80,402
SHIPPENSBURG BOROUGH AUTHORITY	PA0030643	PA	CB1TF	30,151	1,005	80,402
GRANVILLE TWP	PA0032051	PA	CB1TF	4,568	152	12,182
DCNR-BALD EAGLE STATE PARK	PA0032492	PA	CB1TF	4,111	137	10,964
LOGAN TOWNSHIP-GREENWOOD AREA	PA0032557	PA	CB1TF	6,396	213	17,055
DUNCANSVILLE	PA0032883	PA	CB1TF	11,119	371	29,651
TOWANDA MUNICIPAL AUTHORITY	PA0034576	PA	CB1TF	10,598	353	28,263
TYSON FOODS	PA0035092	PA	CB1TF	6,651	57	36,547
FARMER'S PRIDE INC	PA0035157	PA	CB1TF	3,991	34	21,928

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
STEWARTSTOWN BOROUGH	PA0036269	PA	CB1TF	6,761	225	18,030
GALETON BORO AUTH	PA0036820	PA	CB1TF	4,568	152	12,182
PFBC HUNTSDALE	PA0037141	PA	CB1TF	25,971	348	336,230
PENN TOWNSHIP	PA0037150	PA	CB1TF	38,374	1,279	102,330
EVERETT BORO AREA MA	PA0037711	PA	CB1TF	7,949	265	21,197
MOSHANNON VALLEY JOINT SANITARY AUTHORITY	PA0037966	PA	CB1TF	15,825	527	42,199
MOSHANNON VALLEY JOINT SANITARY AUTHORITY	PA0037966	PA	CB1TF	15,825	527	42,199
DEFENSE DISTRIBUTION DEPOT SUSQUEHANNA	PA0038385	PA	CB1TF	4,568	152	12,182
EAST PENNSBORO SOUTH TREATMENT PLANT	PA0038415	PA	CB1TF	33,805	1,127	90,148
SUSQUEHANNA AQUACULTURE INC	PA0038598	PA	CB1TF	26,211	250	161,293
BURNHAM BOROUGH	PA0038920	PA	CB1TF	5,847	195	15,593
PENNSYLVANIA FISH & BOAT COMMISSION-BELLEFONTE	PA0040835	PA	CB1TF	13,613	116	74,799
LANCASTER AREA SEWER AUTHORITY	PA0042269	PA	CB1TF	137,049	4,568	365,464
TREMONT MUNICIPAL AUTHORITY	PA0042951	PA	CB1TF	4,568	152	12,182
NEW FREEDOM WTP	PA0043257	PA	CB1TF	21,014	700	56,038
HOLLIDAYSBURG REGIONAL	PA0043273	PA	CB1TF	54,820	1,827	146,186
LYKENS BOROUGH	PA0043575	PA	CB1TF	3,746	125	9,989
VALLEY JOINT SEW AUTH	PA0043681	PA	CB1TF	20,557	685	54,820
WESTERN CLINTON COUNTY MUNICIPAL AUTHORITY	PA0043893	PA	CB1TF	8,223	274	21,928
PENNSYLVANIA FISH & BOAT COMMISSION-UPPER SPRING	PA0044032	PA	CB1TF	2,554	6	14,034
SOUTH MIDDLETON TOWNSHIP MUNICIPAL AUTHORITY	PA0044113	PA	CB1TF	13,705	457	36,546

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
LEWISBURG AREA JOINT SANITARY AUTHORITY/COLLEGE P	PA0044661	PA	CB1TF	22,111	737	58,962
HANOVER FOODS CORP	PA0044741	PA	CB1TF	2,851	24	15,666
MOUNTAINTOP AREA	PA0045985	PA	CB1TF	38,008	1,267	101,355
PORTER TOWER JOINT MUNICIPAL AUTHORITY	PA0046272	PA	CB1TF	3,929	131	10,477
ST. JOHNS	PA0046388	PA	CB1TF	20,101	670	53,601
REPUBLIC SERVICES OF PA LLC	PA0046680	PA	CB1TF	2,217	16	12,182
CAN-DO INC	PA0060046	PA	CB1TF	9,137	305	24,364
SHICKSHINNY BORO SA	PA0060135	PA	CB1TF	4,111	137	10,964
MONTROSE MA	PA0060801	PA	CB1TF	7,492	250	19,979
ABINGTON TWP SUPERVISORS	PA0061034	PA	CB1TF	4,568	152	12,182
LITTLE WASHINGTON WW CO	PA0061590	PA	CB1TF	12,042	401	32,112
LITTLE WASHINGTON WW CO	PA0061590	PA	CB1TF	12,042	401	32,112
SCHUYLKILL CO MA	PA0062201	PA	CB1TF	5,482	183	14,619
FRACKVILLE AREA MA	PA0062219	PA	CB1TF	12,791	426	34,110
KBM REGIONAL AUTH (NEW)	PA0064025	PA	CB1TF	6,396	213	17,055
KBM REGIONAL AUTH (NEW)	PA0064025	PA	CB1TF	6,396	213	17,055
MAHANOEY CITY	PA0070041	PA	CB1TF	12,609	420	33,623
SHENANDOAH MUNICIPAL SEWAGE AUTHORITY	PA0070386	PA	CB1TF	18,273	609	48,729
CAERNARVON TWP STP	PA0070424	PA	CB1TF	6,396	213	17,055
HAMPDEN TOWNSHIP SEWER AUTHORITY	PA0080314	PA	CB1TF	44,038	1,468	117,436
NORTHERN LANCASTER CO AUTH	PA0080438	PA	CB1TF	4,111	137	10,964
NORTHERN LEBANON CO AUTH	PA0080748	PA	CB1TF	3,655	122	9,746
SALISBURY TWP	PA0081574	PA	CB1TF	5,299	177	14,131
EASTERN YORK COUNTY SEWER AUTH	PA0081591	PA	CB1TF	5,482	183	14,619

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
FAIRVIEW TOWNSHIP	PA0081868	PA	CB1TF	6,670	222	17,786
WEST EARL SEW AUTH	PA0081949	PA	CB1TF	4,111	137	10,964
DERRY TWP MUN AUTH - SOUTHWEST	PA0082392	PA	CB1TF	5,482	183	14,619
FAIRVIEW TOWNSHIP	PA0082589	PA	CB1TF	4,568	152	12,182
NEWBERRY TOWNSHIP	PA0083011	PA	CB1TF	11,878	396	31,674
SILVER SPRING TOWNSHIP	PA0083593	PA	CB1TF	10,964	365	29,237
NORTHWESTERN LANCASTER CNTY AUTH	PA0084026	PA	CB1TF	5,939	198	15,837
CONEWAGO TWP SEW AUTH	PA0084425	PA	CB1TF	4,568	152	12,182
WEST HANOVER	PA0085511	PA	CB1TF	7,127	238	1,900
SPRINGFIELD TWP SEW AUTH - HOL	PA0086860	PA	CB1TF	6,396	213	17,055
EPHRATA BORO AUTH #2	PA0087181	PA	CB1TF	21,014	700	56,038
CHESTNUT RIDGE AREA JMA	PA0087661	PA	CB1TF	6,441	215	17,177
NEW MORGAN STP	PA0088048	PA	CB1TF	4,568	152	12,182
LOWER PAXTON WET WEATHER STP	PA0088633	PA	CB1TF	22,842	761	60,911
FREEDOM TOWNSHIP WATER&SEWER AUTHORITY	PA0110361	PA	CB1TF	5,482	183	14,619
PATTON BORO STP	PA0110469	PA	CB1TF	4,934	164	13,157
FURMAN FOODS	PA0110540	PA	CB1TF	1,064	9	5,847
EASTERN SNYDER COUNTY REGIONAL AUTH	PA0110582	PA	CB1TF	25,582	853	68,220
MID-CENTRE COUNTY AUTH	PA0110965	PA	CB1TF	9,137	305	24,364
TAYLOR PACKING CO INC	PA0111759	PA	CB1TF	3,547	30	19,492
PENNSYLVANIA FISH & BOAT COMMISSION-TYPLERSVILLE	PA0112127	PA	CB1TF	30,740	296	316,738
ELKLAND MUNICIPAL AUTHORITY	PA0113298	PA	CB1TF	5,025	168	13,400
GREGG TOWNSHIP	PA0114821	PA	CB1TF	11,512	384	30,699
GREGG TOWNSHIP	PA0114821	PA	CB1TF	11,512	384	30,699

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
HUGHESVILLE-WOLF TWP JOINT SEW	PA0114961	PA	CB1TF	6,167	206	16,446
WEST BRANCH SA	PA0205869	PA	CB1TF	8,223	274	21,928
LYCOMING CO WATER & SEWER AUTH	PA0209228	PA	CB1TF	13,705	457	36,546
NORTH CODORUS TWP	PA0247391	PA	CB1TF	5,025	168	13,400
ABERDEEN PROVING GROUNDS-EDGEWOOD	MD0021229	MD	BSHOH	36,547	2,741	274,100
SOD RUN	MD0056545	MD	BSHOH	243,645	18,273	1,827,336
HAMPSTEAD	MD0022446	MD	GUNOH	10,964	822	82,230
JOPPATOWNE	MD0022535	MD	GUNOH	11,573	868	86,798
BACK RIVER	MD0021555	MD	BACOH	15,837	792	118,777
BACK RIVER	MD0021555	MD	BACOH	649,313	32,466	4,869,850
BACK RIVER	MD0021555	MD	BACOH	15,837	792	118,777
BACK RIVER	MD0021555	MD	BACOH	902,704	45,135	6,770,280
BACK RIVER	MD0021555	MD	PATMH	6,091	305	45,683
BACK RIVER	MD0021555	MD	PATMH	249,736	12,487	1,873,019
BACK RIVER	MD0021555	MD	PATMH	6,091	305	45,683
BACK RIVER	MD0021555	MD	PATMH	347,194	17,360	2,603,954
CONGOLEUM	MD0001384	MD	PATMH	4,005	160	19,324
COX CREEK	MD0021661	MD	PATMH	182,734	13,705	1,370,502
ERACHEM	MD0001775	MD	PATMH	95,000	58	8,352
FREEDOM DISTRICT	MD0021512	MD	PATMH	42,638	3,198	319,784
ISG SPARROWS POINT (BETHLEHEM STEEL CORP)	MD0001201	MD	PATMH	131,420	25,400	85,863
MOUNT AIRY	MD0022527	MD	PATMH	14,619	1,096	109,640
PATAPSCO	MD0021601	MD	PATMH	100,047	7,503	750,350
PATAPSCO	MD0021601	MD	PATMH	322,373	24,178	2,417,794
PATAPSCO	MD0021601	MD	PATMH	155,628	11,672	1,167,211

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
PATAPSCO	MD0021601	MD	PATMH	311,256	23,344	2,334,422
W R GRACE	MD0000311	MD	PATMH	345,561	2,012	371,497
ANNAPOLIS	MD0021814	MD	SEVMH	158,369	11,878	1,187,768
US NAVAL ACADEMY	MD0023523	MD	SEVMH	12,182	914	91,367
MAYO LARGE COMMUNAL	MD0061794	MD	RHDMH	9,989	749	74,921
ABERDEEN	MD0021563	MD	CB1TF	48,729	3,655	365,467
ABERDEEN PROVING GROUNDS-ABERDEEN	MD0021237	MD	CB1TF	34,110	2,558	255,827
HAVRE DE GRACE	MD0021750	MD	CB1TF	27,715	2,079	207,859
BOWIE	MD0021628	MD	PAXTF	40,201	3,015	301,510
DORSEY RUN	MD0063207	MD	PAXTF	24,364	1,827	182,734
FORT MEADE	MD0021717	MD	PAXTF	54,820	4,112	411,151
LITTLE PATUXENT	MD0055174	MD	PAXTF	304,556	22,842	2,284,170
MARLBORO MEADOWS	MD0022781	MD	PAXTF	7,309	548	54,820
MARYLAND CITY	MD0062596	MD	PAXTF	30,456	2,284	228,417
MD & VA MILK PRODUCERS	MD0000469	MD	PAXTF	5,431	543	42,150
PARKWAY	MD0021725	MD	PAXTF	91,367	6,853	685,251
PATUXENT	MD0021652	MD	PAXTF	91,367	6,853	685,251
PINEY ORCHARD	MD0059145	MD	PAXTF	14,619	1,096	109,640
WESTERN BRANCH	MD0021741	MD	PAXTF	365,467	27,410	2,741,004
BELTSVILLE USDA EAST	MD0020842	MD	ANATF_MD	7,553	566	56,647
MCCONNELLSBURG STP	PA0020508	PA	POTTF_MD	5,482	183	14,619
WAYNESBORO BOROUGH	PA0020621	PA	POTTF_MD	14,619	487	38,983
FRANKLIN COUNTY AUTHORITY- GREENCASTLE	PA0020834	PA	POTTF_MD	7,309	244	19,491
LITTLESTOWN BOROUGH	PA0021229	PA	POTTF_MD	9,137	305	24,364
GETTYSBURG MUNICIPAL AUTHORITY	PA0021563	PA	POTTF_MD	22,385	746	59,692

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
CUMBERLAND TWP AUTH (NORTH PLANT)	PA0024139	PA	POTTF_MD	4,568	152	12,182
CUMBERLAND TWP MUN AUTH	PA0024147	PA	POTTF_MD	5,939	198	15,837
CHAMBERSBURG BOROUGH	PA0026051	PA	POTTF_MD	62,129	2,071	165,677
BONNEAUVILLE BORO	PA0028592	PA	POTTF_MD	3,024	101	8,065
FRANKLIN COUNTY GENERAL AUTH (SOUTH PATROL RD)	PA0030597	PA	POTTF_MD	4,568	152	12,182
WASHINGTON TOWNSHIP MUNICIPAL	PA0080225	PA	POTTF_MD	17,725	591	47,267
ANTRIM TOWNSHIP	PA0080519	PA	POTTF_MD	10,964	365	29,237
ST THOMAS TWP MUN AUTH	PA0081001	PA	POTTF_MD	3,655	122	9,746
BALLENGER CREEK	MD0021822	MD	POTTF_MD	219,280	16,446	1,644,602
BRUNSWICK	MD0020958	MD	POTTF_MD	17,055	1,279	127,914
CELANESE	MD0063878	MD	POTTF_MD	24,364	1,827	182,734
CONOCOCHIEAGUE	MD0063509	MD	POTTF_MD	49,947	3,746	374,604
CUMBERLAND	MD0021598	MD	POTTF_MD	182,734	13,705	1,370,502
DAMASCUS	MD0020982	MD	POTTF_MD	18,273	1,371	137,050
EMMITSBURG	MD0020257	MD	POTTF_MD	9,137	685	68,525
FORT DETRICK	MD0020877	MD	POTTF_MD	24,364	1,827	182,734
FREDERICK	MD0021610	MD	POTTF_MD	97,458	7,309	730,934
GEORGES CREEK	MD0060071	MD	POTTF_MD	7,309	548	54,820
HAGERSTOWN	MD0021776	MD	POTTF_MD	97,458	7,309	730,934
MARYLAND CORRECTIONAL INSTITUTE	MD0023957	MD	POTTF_MD	19,492	1,462	146,187
MATTAWOMAN	MD0021865	MD	POTTF_MD	194,916	8,771	1,461,869
MATTAWOMAN	MD0021865	MD	POTTF_MD	24,364	1,096	182,734
MATTAWOMAN	MD0021865	MD	POTTF_MD	24,364	1,096	182,734
NEWPAGE	MD0001422	MD	POTTF_MD	12,733	597	124,473
NSWC-INDIAN HEAD	MD0020885	MD	POTTF_MD	6,091	457	45,683

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
POOLESVILLE	MD0023001	MD	POTTF_MD	9,137	685	68,525
SENECA CREEK	MD0021491	MD	POTTF_MD	243,645	18,273	1,827,336
TANEYTOWN	MD0020672	MD	POTTF_MD	13,400	1,005	100,503
THURMONT	MD0021121	MD	POTTF_MD	12,182	914	91,367
UPPER POTOMAC RIVER COMMISSION	MD0021687	MD	POTTF_MD	78,379	30,447	1,964,386
WESTMINSTER	MD0021831	MD	POTTF_MD	60,911	4,568	456,834
WINEBRENNER WWTP	MD0003221	MD	POTTF_MD	12,182	914	91,367
BERRYVILLE	VA0020532	VA	POTTF_MD	8,528	640	10,659
BROAD RUN WRF	VA0091383	VA	POTTF_MD	134,005	3,350	167,506
COORS SHENANDOAH BREWERY	VA0073245	VA	POTTF_MD	54,820	4,112	68,525
DUPONT-WAYNESBORO	VA0002160	VA	POTTF_MD	78,941	1,009	21,928
FISHERSVILLE	VA0025291	VA	POTTF_MD	48,729	3,655	60,911
FRONT ROYAL	VA0062812	VA	POTTF_MD	48,729	3,655	60,911
FWSA OPEQUON	VA0065552	VA	POTTF_MD	102,331	7,675	127,914
GEORGE'S CHICKEN INC	VA0077402	VA	POTTF_MD	31,065	1,553	25,887
HARRISONBURG-ROCKINGHAM (NORTH RIVER REGIONAL)	VA0060640	VA	POTTF_MD	253,391	19,004	316,738
LEESBURG	VA0092282	VA	POTTF_MD	121,822	9,137	152,278
LURAY	VA0062642	VA	POTTF_MD	19,492	1,462	24,364
MASSANUTTEN PUBLIC SERVICE STP	VA0024732	VA	POTTF_MD	18,273	1,371	22,842
MERCK & COMPANY INC.-STONEWALL PLANT-ELKTON	VA0002178	VA	POTTF_MD	43,835	4,384	18,273
MIDDLE RIVER	VA0064793	VA	POTTF_MD	82,839	6,213	103,549
Mt Jackson STP	VA0026441	VA	POTTF_MD	8,528	640	10,659
NEW MARKET STP	VA0022853	VA	POTTF_MD	6,091	457	7,614
NORTH FORK REGIONAL WWTP	VA0090328	VA	POTTF_MD	9,137	685	11,421

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
PARKINS MILL	VA0075191	VA	POTTF_MD	60,911	4,568	76,139
PILGRIM'S PRIDE - ALMA	VA0001961	VA	POTTF_MD	18,273	914	15,228
PILGRIMS PRIDE-HINTON	VA0002313	VA	POTTF_MD	27,410	1,371	22,842
PURCELLVILLE	VA0022802	VA	POTTF_MD	18,273	1,371	22,842
ROUND HILL WWTP	VA0026212	VA	POTTF_MD	9,137	685	11,421
SIL MRRS	VA0090263	VA	POTTF_MD	23,390	1,754	29,237
STONE CREEK STP	VA0028380	VA	POTTF_MD	7,309	548	9,137
STRASBURG	VA0020311	VA	POTTF_MD	11,939	895	14,923
STUARTS DRAFT	VA0066877	VA	POTTF_MD	48,729	3,655	60,911
WAYNESBORO	VA0025151	VA	POTTF_MD	48,729	3,655	60,911
WEYERS CAVE STP	VA0022349	VA	POTTF_MD	6,091	457	7,614
WOODSTOCK	VA0026468	VA	POTTF_MD	24,364	1,827	30,456
MARTINSBURG	WV0023167	WV	POTTF_MD	27,410	914	45,683
BERKELEY COUNTY PSSD	WV0082759	WV	POTTF_MD	25,583	853	42,638
BERKELEY COUNTY PSSD	WV0082759	WV	POTTF_MD	28,324	944	47,206
VIRGINIA ELECTRIC & POWER	WV0005525	WV	POTTF_MD	0	0	0
ROMNEY	WV0020699	WV	POTTF_MD	4,568	152	7,614
CHARLES TOWN	WV0022349	WV	POTTF_MD	15,989	533	26,649
LEETOWN SCIENCE CENTER	WV0005649	WV	POTTF_MD	6,578	73	18,273
THE CONSERVATION FUND FRESHWATER INST	WV0116149	WV	POTTF_MD	5,537	62	15,380
SHEPHERDSTOWN	WV0024775	WV	POTTF_MD	3,655	122	6,091
KEYSER	WV0024392	WV	POTTF_MD	21,928	731	36,547
WARM SPRINGS PSD	WV0027707	WV	POTTF_MD	15,898	530	26,496
REEDS CREEK HATCHERY	WV0111821	WV	POTTF_MD	9,467	105	26,298
PETERSBURG	WV0021792	WV	POTTF_MD	12,335	411	20,558

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
SPRING RUN HATCHERY	WV0112500	WV	POTTF_MD	23,573	262	65,480
PILGRIM'S PRIDE	WV0005495	WV	POTTF_MD	4,715	52	13,096
HESTER INDUSTRIES, INC.	WV0047236	WV	POTTF_MD	2,741	30	7,614
MOOREFIELD	WV0020150	WV	POTTF_MD	5,482	183	9,137
FORT ASHBY PSD	WV0041521	WV	POTTF_MD	4,568	152	7,614
BLUE PLAINS	DC0021199	MD	POTTF_DC	1,177,683	52,996	8,832,620
BLUE PLAINS	DC0021199	MD	POTTF_DC	888,425	39,979	6,663,189
BLUE PLAINS	DC0021199	DC	POTTF_DC	1,905,752	88,260	3,432,346
BLUE PLAINS	DC0021199	VA	POTTF_DC	395,344	17,791	494,181
BLUE PLAINS	DC0021199	VA	POTTF_DC	186,114	8,375	232,642
ALEXANDRIA	VA0025160	VA	POTTF_VA	493,381	29,603	822,301
ARLINGTON	VA0025143	VA	POTTF_VA	365,467	21,928	609,112
DALE CITY #1	VA0024724	VA	POTTF_VA	42,029	2,522	70,048
DALE CITY #8	VA0024678	VA	POTTF_VA	42,029	2,522	70,048
H.L. MOONEY	VA0025101	VA	POTTF_VA	219,280	13,157	365,467
NOMAN M. COLE JR. POLLUTION CONTROL PLANT	VA0025364	VA	POTTF_VA	612,158	36,729	1,020,263
UPPER OCCOQUAN SEWAGE AUTHORITY	VA0024988	VA	POTTF_VA	657,841	16,446	822,301
Vint Hill Farms Station WWTP	VA0020460	VA	POTTF_VA	11,573	868	14,466
PISCATAWAY	MD0021539	MD	PISTF	365,467	16,446	2,741,004
INDIAN HEAD	MD0020052	MD	MATTF	6,091	457	45,683
NSWC-INDIAN HEAD	MD0003158	MD	MATTF	1,880	783	44,386
LA PLATA	MD0020524	MD	POTOH2_MD	18,273	1,371	137,050
AQUIA	VA0060968	VA	POTOH_VA	73,093	4,386	121,822
FAIRVIEW BEACH	VA0092134	VA	POTOH_VA	1,827	183	3,046
OAKLAND PARK STP	VA0086789	VA	POTOH_VA	1,706	128	2,132

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
QUANTICO-MAINSIDE	VA0028363	VA	POTOH_VA	20,101	1,206	33,501
LEONARDTOWN	MD0024767	MD	POTMH_MD	8,284	621	62,129
NAS-PATUXENT	MD0020095	MD	POTMH_MD	1,904	317	4,112
SWAN POINT	MD0057525	MD	POTMH_MD	7,309	548	54,820
COLONIAL BEACH	VA0026409	VA	POTMH_VA	18,273	1,827	30,456
DAHLGREN (DAHLGREN SANITARY DISTRICT)	VA0026514	VA	POTMH_VA	9,137	914	15,228
NAVAL SURFACE WARFARE CENTER-DAHLGREN	VA0021067	VA	POTMH_VA	6,578	658	10,964
PURKINS CORNER STP	VA0070106	VA	POTMH_VA	1,096	110	1,827
CULPEPER	VA0061590	VA	RPPTF	73,093	5,482	91,367
FMC	VA0068110	VA	RPPTF	65,784	4,934	82,230
FORT A.P. HILL (WILCOX CAMP SITE)	VA0032034	VA	RPPTF	6,457	484	8,071
FREDERICKSBURG	VA0025127	VA	RPPTF	54,820	4,112	68,525
HAYMOUNT STP	VA0089125	VA	RPPTF	11,695	877	14,619
HOPYARD FARMS STP	VA0089338	VA	RPPTF	6,091	457	7,614
LITTLE FALLS RUN	VA0076392	VA	RPPTF	97,458	7,309	121,822
Marshall WWTP	VA0031763	VA	RPPTF	7,797	585	9,746
MASSAPONAX	VA0025658	VA	RPPTF	97,458	7,309	121,822
MOUNTAIN RUN STP	VA0090212	VA	RPPTF	0	0	0
ORANGE	VA0021385	VA	RPPTF	36,547	2,741	45,683
RAPIDAN STP	VA0090948	VA	RPPTF	7,309	548	9,137
REMINGTON REGIONAL	VA0076805	VA	RPPTF	30,456	2,284	38,070
SOUTH WALES STP	VA0080527	VA	RPPTF	10,964	822	13,705
WARRENTON	VA0021172	VA	RPPTF	30,456	2,284	38,070
WILDERNESS SHORES	VA0083411	VA	RPPTF	15,228	1,142	19,035
HAYNESVILLE CORRECTIONAL CENTER	VA0023469	VA	RPPMH	2,802	210	3,502

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
MONTROSS - WESTMORELAND	VA0072729	VA	RPPMH	1,584	119	1,980
TAPPAHANNOCK	VA0071471	VA	RPPMH	9,746	731	12,182
URBANNA	VA0026263	VA	RPPMH	1,218	91	1,523
WARSAW	VA0026891	VA	RPPMH	3,655	274	4,568
CAROLINE COUNTY REGIONAL	VA0073504	VA	MPNTF	6,091	457	7,614
WEST POINT	VA0075434	VA	MPNOH	7,309	548	9,137
ASHLAND	VA0024899	VA	PMKTF	24,364	1,827	30,456
Bear Island Paper Co.	VA0077763	VA	PMKTF	47,328	12,791	63,957
DOSWELL	VA0029521	VA	PMKTF	12,182	914	15,228
GORDONSVILLE	VA0021105	VA	PMKTF	11,451	859	14,314
TOTOPOTOMOY	VA0089915	VA	PMKTF	121,822	9,137	152,278
PARHAM LANDING WWTP	VA0088331	VA	PMKOH	24,364	1,827	30,456
SMURFIT STONE	VA0003115	VA	PMKOH	259,177	70,048	350,239
GIANT REFINERY-YORKTOWN	VA0003018	VA	MOBPH	167,128	22,111	819,256
HRSD-YORK	VA0081311	VA	MOBPH	182,734	13,705	228,417
MATHEWS COURTHOUSE	VA0028819	VA	MOBPH	1,218	91	1,523
ALLEGHANY CO. LOWER JACKSON	VA0090671	VA	JMSTF2	18,273	1,371	22,842
AMHERST TOWN STP	VA0031321	VA	JMSTF2	7,309	548	9,137
BUENA VISTA	VA0020991	VA	JMSTF2	27,410	2,056	34,263
BWXT	VA0003697	VA	JMSTF2	182,699	1,339	7,614
CLIFTON FORGE	VA0022772	VA	JMSTF2	24,364	1,827	30,456
COVINGTON	VA0025542	VA	JMSTF2	36,547	2,741	45,683
DOC Powhatan CC	VA0020699	VA	JMSTF2	5,726	429	7,157
DOMINION VIRGINIA POWER-CHESTERFIELD	VA0004146	VA	JMSTF2	343,939	185	0
DUPONT-SPRUANCE	VA0004669	VA	JMSTF2	196,455	6,869	355,265

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
FALLING CREEK	VA0024996	VA	JMSTF2	123,041	9,228	153,801
GEORGIA PACIFIC CORPORATION	VA0003026	VA	JMSTF2	119,671	43,644	165,526
GREIF BROS CORP-RIVERVILLE	VA0006408	VA	JMSTF2	71,561	26,098	98,981
HENRICO COUNTY	VA0063690	VA	JMSTF2	913,668	68,525	1,142,085
LAKE MONTICELLO STP	VA0024945	VA	JMSTF2	12,121	909	15,152
LEES COMMERCIAL CARPET	VA0004677	VA	JMSTF2	29,756	10,707	30,456
LEXINGTON-ROCKBRIDGE REGIONAL STP	VA0088161	VA	JMSTF2	36,547	2,741	45,683
LOW MOOR	VA0027979	VA	JMSTF2	6,091	457	7,614
LYNCHBURG	VA0024970	VA	JMSTF2	268,009	20,101	335,012
MOORES CREEK-RIVANNA AUTHORITY	VA0025518	VA	JMSTF2	182,734	13,705	228,417
PROCTORS CREEK	VA0060194	VA	JMSTF2	328,920	24,669	411,151
R.J. REYNOLDS (BROWN & WILLIAMSON)	VA0002780	VA	JMSTF2	24,995	1,687	31,978
RICHMOND	VA0063177	VA	JMSTF2	548,201	41,115	685,251
WESTVACO CORPORATION-COVINGTON HALL	VA0003646	VA	JMSTF2	385,329	140,529	532,973
HONEYWELL	VA0005291	VA	JMSTF1	1,065,710	45,344	1,842,564
HOPEWELL	VA0066630	VA	JMSTF1	609,112	45,683	761,390
PHILLIP MORRIS-PARK 500	VA0026557	VA	JMSTF1	136,510	2,329	44,161
CREWE STP	VA0020303	VA	APPTF	6,091	457	7,614
FARMVILLE	VA0083135	VA	APPTF	29,237	2,193	36,547
SOUTH CENTRAL	VA0025437	VA	APPTF	280,192	21,014	350,239
CHICKAHOMINY	VA0088480	VA	CHKOH	4,934	108	6,167
TYSON FOODS, INC.	VA0004031	VA	CHKOH	19,102	359	16,294
HRSD-WILLIAMSBURG	VA0081302	VA	JMSOH	274,100	20,558	342,626
HRSD-JAMES RIVER	VA0081272	VA	JMSMH	243,645	18,273	304,556
HRSD-ARMY BASE	VA0081230	VA	JMSPH	219,280	16,446	274,100

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
HRSD-BOAT HARBOR	VA0081256	VA	JMSPH	304,556	22,842	380,695
HRSD-NANSEMOND	VA0081299	VA	JMSPH	365,467	27,410	456,834
JH MILES	VA0003263	VA	JMSPH	149,970	18,896	3,807
HRSD-VIP	VA0081281	VA	ELIPH	487,290	36,547	609,112
HRSD-CHESAPEAKE/ELIZABETH	VA0081264	VA	LYNPH	292,374	21,928	365,467
NORTHEAST RIVER	MD0052027	MD	NORTF	24,364	1,827	182,734
ELKTON	MD0020681	MD	ELKOH	37,156	2,787	278,669
CENTREVILLE	MD0020834	MD	CHSMH	6,091	746	45,683
CHESTERTOWN	MD0020010	MD	CHSMH	18,273	1,371	137,050
ROCK HALL	MD0020303	MD	CHSMH	6,152	461	46,140
TALBOT COUNTY REGION II	MD0023604	MD	EASMH	8,040	603	60,302
ALLEN FAMILY FOODS	MD0067857	MD	CHOTF	4,500	370	62,091
DENTON	MD0020494	MD	CHOTF	9,746	731	73,093
EASTON	MD0020273	MD	CHOOH	48,729	3,655	365,467
CAMBRIDGE	MD0021636	MD	CHOMH2	98,676	7,401	740,071
BRIDGEVILLE	DE0020249	DE	NANTF_DE	7,309	244	36,547
INVISTA (DUPONT-SEAFORD)	DE0000035	DE	NANTF_DE	59,777	0	749,208
LAUREL	DE0020125	DE	NANTF_DE	6,396	213	31,978
SEAFORD	DE0020265	DE	NANTF_DE	18,273	609	48,729
FEDERALSBURG	MD0020249	MD	NANOH	9,137	685	68,525
HURLOCK	MD0022730	MD	NANOH	20,101	1,508	150,755
DELMAR	MD0020532	MD	WICMH	10,355	777	77,662
FRUITLAND	MD0052990	MD	WICMH	9,746	731	73,093
SALISBURY	MD0021571	MD	WICMH	103,549	7,766	776,618
PRINCESS ANNE	MD0020656	MD	MANMH	11,512	1,151	115,122

Table 9-4. Individual WLAs (Annual) for the 483 significant permitted dischargers to meet TMDLs to address the proposed amended Chesapeake Bay WQS

Permit Name	NPDES ID	Jurisdiction	Segment ID	TOTN	TOTP	TSED
				WLA	WLA	WLA
				(lbs/yr)	(lbs/yr)	(lbs/yr)
POCOMOKE CITY	MD0022551	MD	POCTF	17,908	1,343	134,309
SNOW HILL	MD0022764	MD	POCTF	6,091	457	45,683
TANGIER ISLAND	VA0067423	VA	POCMH_VA	1,218	91	1,523
TYSON FOODS, INC.-TEMPERANCEVILLE	VA0004049	VA	POCMH_VA	22,842	1,142	19,035
CRISFIELD	MD0020001	MD	TANMH_MD	12,182	914	91,367
PERRYVILLE	MD0020613	MD	CB1TF	20,101	1,508	150,755
BROADNECK	MD0021644	MD	CB3MH	73,093	5,482	548,201
KENT ISLAND	MD0023485	MD	CB3MH	36,547	2,741	274,100
BROADWATER	MD0024350	MD	CB4MH	24,364	1,827	182,734
CHESAPEAKE BEACH	MD0020281	MD	CB4MH	2,513	188	18,844
CHESAPEAKE BEACH	MD0020281	MD	CB4MH	15,761	1,182	118,206
MARLAY TAYLOR (PINE HILL RUN)	MD0021679	MD	CB5MH_MD	73,093	5,482	548,201
KILMARNOCK	VA0020788	VA	CB5MH_VA	6,091	457	7,614
OMEGA PROTEIN INC	VA0003867	VA	CB5MH_VA	21,213	1,591	26,516
REEDVILLE	VA0060712	VA	CB5MH_VA	2,436	183	3,046
CAPE CHARLES	VA0021288	VA	CB7PH	6,091	457	7,614
ONANCOCK	VA0021253	VA	CB7PH	9,137	685	11,421
SHORE HOSPITAL	VA0027537	VA	CB7PH	1,218	91	1,523

9.2 Bay Segment Annual and Daily Allocations to Meet Current WQS

Table 9-5, Table 9-6, and

Table 9-7 provide the annual total nitrogen, total phosphorus, and sediment allocations to meet the current WQS for the watershed areas draining to each of the 92 Chesapeake Bay segments. The allocations are calculated as delivered loads (the loading that actually reaches tidal waters) and as annual loads. These tables are structured by major basin from north to south with western shore first and eastern shore second. Then the Bay segments are in geographic order from the head of tide down river from north to south. Each of the 92 segments is displayed as white rows while contributing portions of some of the 92 segments are displayed as gray rows. More detailed annual LAs by sector and annual WLAs by individual facility are provided in Appendix Q. Daily LAs and WLAs for the areas draining to the 92 segments are provided in Appendix R.

Table 9-5. Draft Chesapeake Bay TMDL total nitrogen (TN) annual allocations^a (pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Table 9-5, Table 9-6, and							
Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
CB1TF	NY	Northern Chesapeake Bay	609,300	5,776,200		6,385,500	10,541,500
CB1TF	PA	Northern Chesapeake Bay	6,435,900	50,452,900		56,888,800	99,833,300
CB1TF	MD	Northern Chesapeake Bay	126,300	1,028,400		1,154,700	1,918,700
CB1TF		Northern Chesapeake Bay	7,171,500	57,257,500	337,500	64,766,500	112,667,000
BSHOH	MD	Bush River	232,400	284,200	68,100	584,700	1,000,500
GUNOH	PA	Gunpowder River	200	8,400		8,600	29,900
GUNOH	MD	Gunpowder River	35,500	553,100		588,600	1,289,900
GUNOH		Gunpowder River	35,600	561,600	73,300	670,500	1,400,300
MIDOH	MD	Middle River	9,500	28,700	32,600	70,700	183,600
BACOH	MD	Back River	1,222,600	58,300	25,000	1,305,900	2,257,500
PATMH	MD	Patapsco River	1,768,200	715,000	213,200	2,696,400	7,821,100
MAGMH	MD	Magothy River	7,500	100,900	45,800	154,200	288,100

Table 9-5, Table 9-6, and

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
SEVMH	MD	Severn River	143,100	129,900	64,600	337,600	518,300
SOU MH	MD	South River	7,700	105,200	37,600	150,600	261,600
RHDMH	MD	Rhode River	7,700	19,300	13,700	40,700	68,800
WSTMH	MD	West River	600	19,800	18,600	39,100	60,700
WBRTF	MD	Western Branch Patuxent River	17,500	118,000	400	135,900	236,800
PAXTF	MD	Upper Patuxent River	641,300	647,300	12,100	1,300,600	1,766,900
PAXOH	MD	Middle Patuxent River	4,000	194,200	28,400	226,500	388,100
PAXMH	MD	Lower Patuxent River	8,500	338,700	148,800	495,900	789,400
ANATF_MD	MD	Anacostia River, MD	53,200	193,900		247,100	500,300
ANATF_MD	DC	Anacostia River, MD	5,400	500		5,900	13,400
ANATF_MD		Anacostia River, MD	58,600	194,400	1,100	254,200	515,000
ANATF_DC	MD	Anacostia River, DC	13,700	14,400		28,100	54,300
ANATF_DC	DC	Anacostia River, DC	22,200	6,000		28,100	131,100
ANATF_DC		Anacostia River, DC	35,900	20,400	7,200	63,500	193,700
POTTF_MD	PA	Upper Potomac River, MD	157,600	3,342,900		3,500,500	6,112,200
POTTF_MD	MD	Upper Potomac River, MD	1,080,200	6,968,700		8,048,900	13,298,200
POTTF_MD	DC	Upper Potomac River, MD	6,800	2,300		9,100	202,100
POTTF_MD	VA	Upper Potomac River, MD	737,800	8,270,000		9,007,900	13,646,800
POTTF_MD	WV	Upper Potomac River, MD	229,700	3,379,800		3,609,600	5,751,200
POTTF_MD		Upper Potomac River, MD	2,212,200	21,963,700	164,900	24,340,800	39,195,000
POTTF_DC	MD	Upper Potomac River, DC	1,565,100	70,000		1,635,200	2,337,500
POTTF_DC	DC	Upper Potomac River, DC	1,412,300	12,300		1,424,500	2,506,500
POTTF_DC	VA	Upper Potomac River, DC	480,500	13,800		494,300	879,500
POTTF_DC		Upper Potomac River, DC	3,457,900	96,100	34,400	3,588,500	5,762,500
POTTF_VA	VA	Upper Potomac River, VA	2,179,700	472,300	74,200	2,726,200	3,697,200

Table 9-5, Table 9-6, and

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
PISTF	MD	Piscataway Creek	282,500	90,400	6,300	379,200	469,200
MATTF	MD	Mattawoman Creek	12,200	105,200	8,800	126,200	205,600
POTOH1_MD	MD	Middle Potomac River, MD Mainstem	300	39,700		39,900	54,200
POTOH1_MD	VA	Middle Potomac River, MD Mainstem	2,600	18,000		20,600	32,800
POTOH1_MD		Middle Potomac River, MD Mainstem	2,900	57,600	309,300	369,800	445,100
POTOH2_MD	MD	Middle Potomac River, MD Nangemoy Creek	17,800	70,600	13,600	102,000	151,500
POTOH3_MD	MD	Middle Potomac River, MD Port Tobacco River	300	88,500	19,600	108,400	143,000
POTOH_VA	VA	Middle Potomac River, VA	118,500	283,300	36,700	438,500	608,400
POTMH_MD	MD	Lower Potomac River, MD	52,600	698,300		751,000	1,357,600
POTMH_MD	VA	Lower Potomac River, MD	1,000	38,900		39,900	77,400
POTMH_MD		Lower Potomac River, MD	53,700	737,200	1,047,100	1,838,000	2,609,100
POTMH_VA	VA	Lower Potomac River, VA	46,400	617,200	81,400	744,900	1,358,000
RPPTF	VA	Upper Rappahannock River	398,400	2,771,100	53,000	3,222,500	4,724,500
RPPOH	VA	Middle Rappahannock River	800	159,300	28,500	188,600	302,500
RPPMH	VA	Lower Rappahannock River	33,600	701,400	522,000	1,257,000	1,935,900
CRRMH	VA	Corrotoman River	2,600	109,700	37,200	149,500	217,900
MPNTF	VA	Upper Mattaponi River	15,800	784,000	19,800	819,700	1,274,400
MPNOH	VA	Lower Mattaponi River	6,000	96,600	15,500	118,100	188,000
PMKTF	VA	Upper Pamunkey River	140,800	1,219,800	22,700	1,383,300	2,128,100
PMKOH	VA	Lower Pamunkey River	238,100	50,600	16,100	304,800	328,600
PIAMH	VA	Piankatank River	4,300	244,400	72,800	321,500	469,600
YRKMH	VA	Middle York River	12,000	243,900	164,500	420,400	612,300
YRKPH	VA	Lower York River	15,200	72,700	119,000	206,800	301,400
MOBPH	VA	Mobjack Bay	396,600	265,400	366,500	1,028,500	1,916,400

Table 9-5, Table 9-6, and

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
JMSTF2	WV	Upper James River Upper	100	18,000		18,200	22,700
JMSTF2	VA	Upper James River Upper	2,446,300	7,132,600		9,578,900	15,145,700
JMSTF2		Upper James River Upper	2,446,500	7,150,600	178,100	9,775,200	15,361,300
JMSTF1	VA	Upper James River Lower	1,598,000	392,700	30,200	2,021,000	3,467,700
APPTF	VA	Appomattox River	282,900	1,216,900	26,700	1,526,500	2,158,600
CHKOH	VA	Chickahominy River	23,000	216,600	37,700	277,300	445,700
JMSOH	VA	Middle James River	235,500	212,800	207,600	655,900	964,000
JMSMH	VA	Lower James River	288,300	487,300	590,000	1,365,700	2,614,900
JMSPH	VA	Mouth of James River	730,400	7,600	116,800	854,800	3,470,600
ELIPH	VA	Mouth to mid Elizabeth River	395,800	9,600	52,800	458,200	1,293,800
WBEMH	VA	Western Branch Elizabeth River	50,700	25,900	14,000	90,600	175,700
SBEMH	VA	Southern Branch Elizabeth River	106,500	55,000	18,900	180,400	434,400
EBEMH	VA	Eastern Branch Elizabeth River	86,200	11,800	14,800	112,700	279,200
LAFMH	VA	Lafayette River	30,200	3,300	7,300	40,800	79,400
LYNPH	VA	Lynnhaven River	302,900	25,800	5,700	334,400	1,854,700
NORTF	PA	Northeast River	500	24,600		25,100	55,400
NORTF	MD	Northeast River	22,500	135,900		158,400	251,400
NORTF		Northeast River	23,000	160,500	31,600	215,000	341,700
ELKOH	PA	Elk River	16,800	155,000		171,800	382,500
ELKOH	DE	Elk River	500	5,300		5,800	12,500
ELKOH	MD	Elk River	39,000	231,700		270,700	467,800
ELKOH		Elk River	56,200	392,000	83,500	531,800	955,200
C&DOH_DE	DE	C&D Canal, DE	1,300	10,900		12,200	29,400
C&DOH_DE	MD	C&D Canal, DE	0	100		100	200
C&DOH_DE		C&D Canal, DE	1,300	10,900	18,800	31,100	49,700

Table 9-5, Table 9-6, and

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
C&DOH_MD	DE	C&D Canal, MD	3,400	25,000		28,400	72,100
C&DOH_MD	MD	C&D Canal, MD	4,300	30,000		34,200	59,200
C&DOH_MD		C&D Canal, MD	7,700	55,000	10,600	73,200	142,800
BOHOH	DE	Bohemia River	1,100	19,600		20,700	55,500
BOHOH	MD	Bohemia River	2,200	97,100		99,300	180,100
BOHOH		Bohemia River	3,300	116,700	34,500	154,400	273,300
SASOH	DE	Sassafras River	100	16,700		16,800	42,400
SASOH	MD	Sassafras River	2,400	183,900		186,300	394,500
SASOH		Sassafras River	2,400	200,600	65,600	268,700	508,200
CHSTF	DE	Upper Chester River	300	84,200		84,400	162,000
CHSTF	MD	Upper Chester River	3,500	276,700		280,200	571,900
CHSTF		Upper Chester River	3,800	360,800	13,200	377,900	748,000
CHSOH	MD	Middle Chester River	18,100	350,500	39,000	407,700	839,000
CHSMH	MD	Lower Chester River	25,100	315,400	214,700	555,200	865,000
EASMH	MD	Eastern Bay	16,700	399,000	309,900	725,600	1,124,800
CHOTF	DE	Upper Choptank River	700	187,500		188,200	375,500
CHOTF	MD	Upper Choptank River	26,500	737,200		763,700	1,473,700
CHOTF		Upper Choptank River	27,100	924,700	33,400	985,200	1,882,600
CHOOH	MD	Middle Choptank River	39,900	329,200	59,100	428,200	711,200
CHOMH2	MD	Mouth of Choptank River	83,900	173,500	130,600	387,900	521,800
CHOMH1	MD	Lower Choptank River	7,600	195,400	257,700	460,800	656,100
LCHMH	MD	Little Choptank River	400	136,200	102,500	239,100	336,100
HNGMH	MD	Honga River	1,300	40,200	96,200	137,700	164,300
FSBMH	MD	Fishing Bay	4,400	507,400	81,000	592,900	874,000
NANTF_DE	DE	Upper Nanticoke, DE	168,700	1,355,100		1,523,900	2,805,300

Table 9-5, Table 9-6, and

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
NANTF_DE	MD	Upper Nanticoke, DE	2,900	13,800		16,700	25,800
NANTF_DE		Upper Nanticoke, DE	171,600	1,369,000	33,800	1,574,400	2,862,500
NANTF_MD	DE	Upper Nanticoke, MD	0	200		200	400
NANTF_MD	MD	Upper Nanticoke, MD	200	41,700		41,900	67,700
NANTF_MD		Upper Nanticoke, MD	200	41,900	39,800	81,800	105,900
NANOH	DE	Middle Nanticoke River	800	259,500		260,300	478,100
NANOH	MD	Middle Nanticoke River	29,100	479,900		509,000	839,300
NANOH		Middle Nanticoke River	29,900	739,400	39,000	808,400	1,356,500
NANMH	MD	Lower Nanticoke River	800	95,400	66,600	162,700	198,300
WICMH	DE	Wicomico River	700	5,600		6,300	12,400
WICMH	MD	Wicomico River	107,200	407,900		515,200	910,000
WICMH		Wicomico River	108,000	413,500	81,400	602,800	1,002,500
MANMH	MD	Manokin River	24,900	180,900	88,900	294,700	342,700
BIGMH	MD	Big Annemessex River	1,000	60,700	71,900	133,600	154,300
POCTF	DE	Upper Pocomoke River	300	75,200		75,400	134,000
POCTF	MD	Upper Pocomoke River	24,600	611,900		636,400	896,700
POCTF		Upper Pocomoke River	24,800	687,100	20,300	732,200	1,050,300
POCOH_MD	MD	Middle Pocomoke River, MD	600	52,800	44,900	98,300	117,500
POCOH_VA	MD	Middle Pocomoke River, VA	500	46,900		47,500	69,300
POCOH_VA	VA	Middle Pocomoke River, VA	1,300	89,800		91,100	185,200
POCOH_VA		Middle Pocomoke River, VA	1,800	136,800	7,700	146,200	262,200
POCMH_MD	MD	Lower Pocomoke River, MD	200	78,000	124,000	202,300	227,200
POCMH_VA	VA	Lower Pocomoke River, VA	14,400	142,800	157,400	314,600	673,100
TANMH_MD	MD	Tangier Sound, MD	10,800	75,100	612,300	698,300	782,400
TANMH_VA	VA	Tangier Sound, VA	200	4,700	307,500	312,300	340,400

Table 9-5, Table 9-6, and

Segment ID	Jurisdiction	CB 303(d) Segment	TOTN	TOTN	TOTN	TOTN	TOTN
			WLA	LandBased LA	AtDep LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
CB2OH	MD	Upper Chesapeake Bay	6,400	204,800	434,300	645,500	867,600
CB3MH	MD	Upper Central Chesapeake Bay	90,100	54,800	529,200	674,200	771,000
CB4MH	MD	Middle Central Chesapeake Bay	38,500	192,800	1,188,100	1,419,400	1,716,600
CB5MH_MD	MD	Lower Central Chesapeake Bay, MD	58,400	66,700	957,600	1,082,800	1,264,900
CB5MH_VA	VA	Lower Central Chesapeake Bay, VA	27,000	216,300	594,200	837,500	1,142,700
CB6PH	VA	Western Lower Chesapeake Bay	200	21,300	707,100	728,600	815,400
CB7PH	VA	Eastern Lower Chesapeake Bay	21,500	518,700	1,739,900	2,280,100	3,227,200
CB8PH	VA	Mouth of Chesapeake Bay	54,200	19,900	609,500	683,600	818,700
All	All	All	28,605,100	111,951,800	15,700,000	156,256,900	263,155,200
				WLA+LandLA			
All	All	All		140,556,900			

a. MOS is implicit (see Section 6.2.3)

Table 9-6. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocations^a (pounds per year delivered to tidal waters) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Table 9-6. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocations^a (pounds per year delivered to tidal waters) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
CB1TF	NY	Northern Chesapeake Bay	27,330	406,130	433,460	801,280
CB1TF	PA	Northern Chesapeake Bay	233,410	1,530,920	1,764,320	3,407,780
CB1TF	MD	Northern Chesapeake Bay	6,700	45,000	51,700	82,180
CB1TF		Northern Chesapeake Bay	267,430	1,982,050	2,249,480	4,291,250
BSHOH	MD	Bush River	8,340	11,570	19,910	63,790
GUNOH	PA	Gunpowder River	10	700	710	1,060
GUNOH	MD	Gunpowder River	2,710	23,240	25,960	58,610
GUNOH		Gunpowder River	2,720	23,950	26,670	59,670
MIDOH	MD	Middle River	710	1,030	1,740	11,820
BACOH	MD	Back River	43,440	4,940	48,380	75,580
PATMH	MD	Patapsco River	69,800	29,790	99,590	397,280
MAGMH	MD	Magothy River	780	4,350	5,130	20,780
SEVMH	MD	Severn River	5,890	6,880	12,770	50,590
SOUMH	MD	South River	840	7,120	7,950	19,710
RHDMH	MD	Rhode River	270	1,970	2,240	4,350
WSTMH	MD	West River	60	2,060	2,120	4,230
WBRTF	MD	Western Branch Patuxent River	2,070	8,980	11,050	25,990
PAXTF	MD	Upper Patuxent River	25,970	47,800	73,770	150,610
PAXOH	MD	Middle Patuxent River	440	16,120	16,560	31,320
PAXMH	MD	Lower Patuxent River	1,390	24,430	25,820	63,800
ANATF_MD	MD	Anacostia River, MD	5,480	13,920	19,400	61,550
ANATF_MD	DC	Anacostia River, MD	600	30	630	2,710
ANATF_MD		Anacostia River, MD	6,080	13,950	20,030	64,260
ANATF_DC	MD	Anacostia River, DC	1,830	1,510	3,340	10,770

Table 9-6. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocationsa (pounds per year delivered to tidal waters) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
ANATF_DC	DC	Anacostia River, DC	2,670	370	3,030	27,380
ANATF_DC		Anacostia River, DC	4,500	1,880	6,380	38,150
POTTF_MD	PA	Upper Potomac River, MD	18,660	308,710	327,370	537,020
POTTF_MD	MD	Upper Potomac River, MD	53,390	374,250	427,640	696,310
POTTF_MD	DC	Upper Potomac River, MD	350	40	390	21,440
POTTF_MD	VA	Upper Potomac River, MD	66,420	676,810	743,240	1,591,940
POTTF_MD	WV	Upper Potomac River, MD	18,080	349,810	367,890	819,130
POTTF_MD		Upper Potomac River, MD	156,900	1,709,630	1,866,530	3,665,840
POTTF_DC	MD	Upper Potomac River, DC	53,090	3,850	56,940	46,390
POTTF_DC	DC	Upper Potomac River, DC	47,720	320	48,040	34,850
POTTF_DC	VA	Upper Potomac River, DC	17,800	450	18,240	30,360
POTTF_DC		Upper Potomac River, DC	118,600	4,620	123,220	111,590
POTTF_VA	VA	Upper Potomac River, VA	86,130	26,830	112,970	193,920
PISTF	MD	Piscataway Creek	10,290	7,140	17,430	25,390
MATTF	MD	Mattawoman Creek	1,190	8,220	9,410	20,640
POTOH1_MD	MD	Middle Potomac River, MD Mainstem	30	3,410	3,440	4,410
POTOH1_MD	VA	Middle Potomac River, MD Mainstem	290	1,170	1,460	3,070
POTOH1_MD		Middle Potomac River, MD Mainstem	320	4,580	4,910	7,480
POTOH2_MD	MD	Middle Potomac River, MD Nangemoy Creek	1,160	5,610	6,770	11,390
POTOH3_MD	MD	Middle Potomac River, MD Port Tobacco River	30	7,920	7,960	9,960
POTOH_VA	VA	Middle Potomac River, VA	5,640	17,690	23,330	38,410
POTMH_MD	MD	Lower Potomac River, MD	2,870	75,830	78,690	125,590
POTMH_MD	VA	Lower Potomac River, MD	120	4,300	4,420	7,070
POTMH_MD		Lower Potomac River, MD	2,980	80,130	83,110	132,660
POTMH_VA	VA	Lower Potomac River, VA	2,580	70,870	73,450	135,460

Table 9-6. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocationsa (pounds per year delivered to tidal waters) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
RPPTF	VA	Upper Rappahannock River	28,300	434,050	462,350	875,780
RPPOH	VA	Middle Rappahannock River	70	17,720	17,790	23,110
RPPMH	VA	Lower Rappahannock River	2,750	78,030	80,780	130,830
CRRMH	VA	Corrotoman River	470	11,350	11,820	16,020
MPNTF	VA	Upper Mattaponi River	3,490	56,660	60,150	102,840
MPNOH	VA	Lower Mattaponi River	230	9,950	10,180	15,970
PMKTF	VA	Upper Pamunkey River	8,180	129,720	137,900	201,650
PMKOH	VA	Lower Pamunkey River	7,980	5,060	13,040	61,330
PIAMH	VA	Piankatank River	560	29,190	29,750	49,430
YRKMH	VA	Middle York River	1,370	24,740	26,110	39,470
YRKPH	VA	Lower York River	1,670	6,190	7,860	16,740
MOBPH	VA	Mobjack Bay	32,550	26,130	58,670	127,430
JMSTF2	WV	Upper James River Upper	70	7,680	7,750	13,930
JMSTF2	VA	Upper James River Upper	137,780	929,600	1,067,380	1,976,820
JMSTF2		Upper James River Upper	137,850	937,280	1,075,130	1,990,740
JMSTF1	VA	Upper James River Lower	55,070	33,470	88,540	131,520
APPTF	VA	Appomattox River	17,490	103,770	121,250	242,250
CHKOH	VA	Chickahominy River	6,860	40,560	47,420	80,050
JMSOH	VA	Middle James River	10,620	17,190	27,810	74,590
JMSMH	VA	Lower James River	20,720	57,430	78,160	187,600
JMSPH	VA	Mouth of James River	29,980	520	30,500	194,760
ELIPH	VA	Mouth to mid Elizabeth River	15,440	650	16,080	63,680
WBEMH	VA	Western Branch Elizabeth River	6,080	1,990	8,080	25,000
SBEMH	VA	Southern Branch Elizabeth River	12,320	6,300	18,610	68,380
EBEMH	VA	Eastern Branch Elizabeth River	9,620	930	10,550	45,100

Table 9-6. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocationsa (pounds per year delivered to tidal waters) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
LAFMH	VA	Lafayette River	3,740	250	3,990	13,400
LYNPH	VA	Lynnhaven River	17,800	2,220	20,020	123,000
NORTF	PA	Northeast River	70	1,220	1,280	2,210
NORTF	MD	Northeast River	960	6,100	7,060	13,210
NORTF		Northeast River	1,030	7,320	8,350	15,420
ELKOH	PA	Elk River	2,550	6,690	9,240	17,290
ELKOH	DE	Elk River	50	410	460	910
ELKOH	MD	Elk River	2,930	14,610	17,540	30,120
ELKOH		Elk River	5,530	21,710	27,240	48,320
C&DOH_DE	DE	C&D Canal, DE	140	1,610	1,740	3,380
C&DOH_DE	MD	C&D Canal, DE	0	10	10	40
C&DOH_DE		C&D Canal, DE	140	1,620	1,760	3,410
C&DOH_MD	DE	C&D Canal, MD	330	3,150	3,480	7,210
C&DOH_MD	MD	C&D Canal, MD	1,000	3,040	4,040	6,490
C&DOH_MD		C&D Canal, MD	1,330	6,190	7,520	13,700
BOHOH	DE	Bohemia River	100	3,330	3,430	6,010
BOHOH	MD	Bohemia River	390	11,270	11,660	20,170
BOHOH		Bohemia River	500	14,600	15,090	26,180
SASOH	DE	Sassafras River	10	2,920	2,920	4,460
SASOH	MD	Sassafras River	400	25,080	25,480	36,920
SASOH		Sassafras River	410	28,000	28,410	41,380
CHSTF	DE	Upper Chester River	30	10,110	10,140	16,300
CHSTF	MD	Upper Chester River	840	39,550	40,390	52,060
CHSTF		Upper Chester River	860	49,660	50,530	68,360
CHSOH	MD	Middle Chester River	1,940	46,610	48,550	67,790

Table 9-6. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocationsa (pounds per year delivered to tidal waters) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
CHSMH	MD	Lower Chester River	970	38,600	39,570	52,240
EASMH	MD	Eastern Bay	1,160	54,030	55,200	71,880
CHOTF	DE	Upper Choptank River	70	23,920	24,000	41,660
CHOTF	MD	Upper Choptank River	3,260	89,350	92,600	147,150
CHOTF		Upper Choptank River	3,330	113,270	116,600	188,820
CHOOH	MD	Middle Choptank River	1,750	46,790	48,540	63,660
CHOMH2	MD	Mouth of Choptank River	4,420	24,080	28,510	41,660
CHOMH1	MD	Lower Choptank River	1,210	29,170	30,380	40,920
LCHMH	MD	Little Choptank River	40	16,990	17,040	22,980
HNGMH	MD	Honga River	120	3,810	3,930	6,600
FSBMH	MD	Fishing Bay	200	59,960	60,160	78,240
NANTF_DE	DE	Upper Nanticoke, DE	2,470	104,640	107,110	181,480
NANTF_DE	MD	Upper Nanticoke, DE	720	1,550	2,270	2,900
NANTF_DE		Upper Nanticoke, DE	3,190	106,190	109,380	184,380
NANTF_MD	DE	Upper Nanticoke, MD	0	10	10	20
NANTF_MD	MD	Upper Nanticoke, MD	20	5,270	5,280	7,010
NANTF_MD		Upper Nanticoke, MD	20	5,280	5,300	7,030
NANOH	DE	Middle Nanticoke River	60	26,360	26,420	42,980
NANOH	MD	Middle Nanticoke River	1,870	56,310	58,180	84,220
NANOH		Middle Nanticoke River	1,930	82,670	84,600	127,200
NANMH	MD	Lower Nanticoke River	40	9,010	9,050	11,170
WICMH	DE	Wicomico River	60	440	500	970
WICMH	MD	Wicomico River	4,820	39,610	44,440	85,490
WICMH		Wicomico River	4,880	40,050	44,930	86,460
MANMH	MD	Manokin River	3,220	20,730	23,950	25,730

Table 9-6. Draft Chesapeake Bay TMDL total phosphorus (TP) annual allocations^a (pounds per year delivered to tidal waters) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TOTP	TOTP	TOTP	TOTP
			WLA	LA	TMDL	2009 Load
			(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
BIGMH	MD	Big Annemessex River	220	6,970	7,190	8,300
POCTF	DE	Upper Pocomoke River	20	6,900	6,920	10,240
POCTF	MD	Upper Pocomoke River	1,840	78,580	80,410	95,390
POCTF		Upper Pocomoke River	1,860	85,470	87,330	105,630
POCOH_MD	MD	Middle Pocomoke River, MD	50	6,640	6,690	8,180
POCOH_VA	MD	Middle Pocomoke River, VA	80	6,410	6,490	7,730
POCOH_VA	VA	Middle Pocomoke River, VA	190	13,020	13,210	20,920
POCOH_VA		Middle Pocomoke River, VA	270	19,430	19,700	28,650
POCMH_MD	MD	Lower Pocomoke River, MD	20	9,780	9,800	11,170
POCMH_VA	VA	Lower Pocomoke River, VA	680	19,060	19,740	31,870
TANMH_MD	MD	Tangier Sound, MD	580	5,530	6,100	8,280
TANMH_VA	VA	Tangier Sound, VA	20	400	420	530
CB2OH	MD	Upper Chesapeake Bay	940	23,370	24,310	34,740
CB3MH	MD	Upper Central Chesapeake Bay	3,090	6,120	9,220	23,940
CB4MH	MD	Middle Central Chesapeake Bay	1,790	12,400	14,190	35,620
CB5MH_MD	MD	Lower Central Chesapeake Bay, MD	2,200	5,370	7,570	28,780
CB5MH_VA	VA	Lower Central Chesapeake Bay, VA	1,350	29,680	31,030	44,970
CB6PH	VA	Western Lower Chesapeake Bay	20	2,290	2,310	2,770
CB7PH	VA	Eastern Lower Chesapeake Bay	1,660	88,200	89,850	140,020
CB8PH	VA	Mouth of Chesapeake Bay	6,720	1,260	7,980	30,450
All	All	All	1,317,480	7,311,730	8,629,220	16,464,030
				WLA+LandLA		
All	All	All		8,629,220		

a. MOS is implicit (see Section 6.2.3)

Table 9-7. Draft Chesapeake Bay TMDL sediment (SED) annual allocations^a (thousands of pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Table 9-7. Draft Chesapeake Bay TMDL sediment (SED) annual allocations^a (thousands of pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
CB1TF	NY	Northern Chesapeake Bay	27.564	261.461	289.025	327.154
CB1TF	PA	Northern Chesapeake Bay	142.749	1,614.05	1,756.80	2,225.88
CB1TF	MD	Northern Chesapeake Bay	0.859	64.468	65.327	80.793
CB1TF		Northern Chesapeake Bay	171.173	1,939.98	2,111.15	2,633.83
BSHOH	MD	Bush River	0	12.504	12.504	35.409
GUNOH	PA	Gunpowder River	0.005	0.169	0.174	0.727
GUNOH	MD	Gunpowder River	0	21.349	21.349	57.277
GUNOH		Gunpowder River	0.005	21.518	21.523	58.003
MIDOH	MD	Middle River	0	0.42	0.42	1.577
BACOH	MD	Back River	0	2.4	2.4	9.428
PATMH	MD	Patapsco River	0	38.495	38.495	113.382
MAGMH	MD	Magothy River	0	0.733	0.733	2.109
SEVMH	MD	Severn River	0	1.079	1.079	3.724
SOUHM	MD	South River	0	0.873	0.873	3.03
RHDMH	MD	Rhode River	0	0.236	0.236	0.74
WSTMH	MD	West River	0	0.235	0.235	1.001
WBRTF	MD	Western Branch Patuxent River	3.604	15.128	18.732	23.234
PAXTF	MD	Upper Patuxent River	10.546	47.938	58.484	67.342
PAXOH	MD	Middle Patuxent River	0.129	6.265	6.394	10.781

Table 9-7. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
PAXMH	MD	Lower Patuxent River	0.418	7	7.418	12.133
ANATF_MD	MD	Anacostia River, MD	23.798	63.111	86.909	111.376
ANATF_MD	DC	Anacostia River, MD	0.39	0.006	0.396	0.609
ANATF_MD		Anacostia River, MD	24.188	63.117	87.305	111.985
ANATF_DC	MD	Anacostia River, DC	0.681	0.526	1.207	1.616
ANATF_DC	DC	Anacostia River, DC	2.003	0.058	2.061	4.741
ANATF_DC		Anacostia River, DC	2.684	0.584	3.268	6.358
POTTF_MD	PA	Upper Potomac River, MD	8.9	225.032	233.932	307.04
POTTF_MD	MD	Upper Potomac River, MD	24.932	438.371	463.303	544.927
POTTF_MD	DC	Upper Potomac River, MD	0.502	0.03	0.532	18.042
POTTF_MD	VA	Upper Potomac River, MD	34.445	679.99	714.435	948.173
POTTF_MD	WV	Upper Potomac River, MD	8.134	255.085	263.219	346.851
POTTF_MD		Upper Potomac River, MD	76.913	1,598.51	1,675.42	2,165.03
POTTF_DC	MD	Upper Potomac River, DC	14.409	15.643	30.051	25.206
POTTF_DC	DC	Upper Potomac River, DC	7.648	0.735	8.383	8.418
POTTF_DC	VA	Upper Potomac River, DC	5.966	0.422	6.387	6.385
POTTF_DC		Upper Potomac River, DC	28.022	16.8	44.822	40.01
POTTF_VA	VA	Upper Potomac River, VA	28.276	30.686	58.963	99.787
PISTF	MD	Piscataway Creek	2.381	4.164	6.545	6.183
MATTF	MD	Mattawoman Creek	0.682	5.015	5.697	6.869
POTOH1_MD	MD	Middle Potomac River, MD Mainstem	0.043	1.527	1.57	1.926
POTOH1_MD	VA	Middle Potomac River, MD Mainstem	0.075	0.206	0.281	0.375
POTOH1_MD		Middle Potomac River, MD Mainstem	0.118	1.734	1.851	2.3

Table 9-7. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
POTOH2_MD	MD	Middle Potomac River, MD Nangemoy Creek	0.223	2.014	2.237	2.653
POTOH3_MD	MD	Middle Potomac River, MD Port Tobacco River	0.021	2.933	2.954	3.514
POTOH_VA	VA	Middle Potomac River, VA	2.38	7.944	10.325	17.259
POTMH_MD	MD	Lower Potomac River, MD	2.664	56.503	59.168	72.285
POTMH_MD	VA	Lower Potomac River, MD	0.058	0.62	0.678	0.683
POTMH_MD		Lower Potomac River, MD	2.722	57.123	59.845	72.968
POTMH_VA	VA	Lower Potomac River, VA	0.423	9.898	10.321	10.267
RPPTF	VA	Upper Rappahannock River	14.226	639.667	653.893	706.956
RPPOH	VA	Middle Rappahannock River	0.024	1.084	1.108	1.226
RPPMH	VA	Lower Rappahannock River	1.572	27.553	29.124	38
CRRMH	VA	Corrotoman River	0.055	1.001	1.056	1.276
MPNTF	VA	Upper Mattaponi River	0.553	16.411	16.964	20.734
MPNOH	VA	Lower Mattaponi River	0.03	1.507	1.537	1.605
PMKTF	VA	Upper Pamunkey River	2.311	59.522	61.833	83.168
PMKOH	VA	Lower Pamunkey River	0.226	0.879	1.105	1.519
PIAMH	VA	Piankatank River	0.749	11.954	12.703	13.66
YRKMH	VA	Middle York River	0.255	3.053	3.308	4.088
YRKPH	VA	Lower York River	0.423	1.112	1.534	2.101
MOBPH	VA	Mobjack Bay	3.413	4.112	7.525	14.112
JMSTF2	WV	Upper James River Upper	0.12	22.828	22.948	28.274
JMSTF2	VA	Upper James River Upper	34.924	706.561	741.485	1,050.74
JMSTF2		Upper James River Upper	35.044	729.389	764.433	1,079.01
JMSTF1	VA	Upper James River Lower	1.71	4.018	5.729	9.015

Table 9-7. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
APPTF	VA	Appomattox River	11.972	52.723	64.696	104.214
CHKOH	VA	Chickahominy River	0.472	2.061	2.533	4.339
JMSOH	VA	Middle James River	0.513	4.51	5.024	6.691
JMSMH	VA	Lower James River	3.049	11.76	14.81	24.915
JMSPH	VA	Mouth of James River	2.547	0.077	2.625	6.505
ELIPH	VA	Mouth to mid Elizabeth River	1.04	0.067	1.107	3.056
WBEMH	VA	Western Branch Elizabeth River	1.003	0.161	1.164	2.637
SBEMH	VA	Southern Branch Elizabeth River	1.88	0.502	2.383	4.741
EBEMH	VA	Eastern Branch Elizabeth River	1.773	0.065	1.838	4.406
LAFMH	VA	Lafayette River	0.919	0.035	0.954	2.336
LYNPH	VA	Lynnhaven River	2.621	0.255	2.876	7.883
NORTF	PA	Northeast River	0.051	2.117	2.168	3.254
NORTF	MD	Northeast River	0	4.585	4.585	16.453
NORTF		Northeast River	0.051	6.701	6.753	19.707
ELKOH	PA	Elk River	1.053	17.903	18.956	28.363
ELKOH	DE	Elk River	0.014	0.044	0.058	0.107
ELKOH	MD	Elk River	0	3.249	3.249	9.989
ELKOH		Elk River	1.067	21.197	22.264	38.459
C&DOH_DE	DE	C&D Canal, DE	0.065	0.409	0.474	0.627
C&DOH_DE	MD	C&D Canal, DE	0	0	0	0.005
C&DOH_DE		C&D Canal, DE	0.065	0.409	0.475	0.631
C&DOH_MD	DE	C&D Canal, MD	0.143	0.871	1.015	1.291
C&DOH_MD	MD	C&D Canal, MD	0	0.168	0.168	1.259

Table 9-7. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
C&DOH_MD		C&D Canal, MD	0.143	1.039	1.183	2.55
BOHOH	DE	Bohemia River	0.028	0.541	0.569	0.624
BOHOH	MD	Bohemia River	0	0.425	0.425	3.759
BOHOH		Bohemia River	0.028	0.966	0.994	4.383
SASOH	DE	Sassafras River	0.002	0.591	0.593	0.685
SASOH	MD	Sassafras River	0	1.054	1.054	9.99
SASOH		Sassafras River	0.002	1.645	1.647	10.674
CHSTF	DE	Upper Chester River	0.043	2.819	2.862	3.351
CHSTF	MD	Upper Chester River	0	4.899	4.899	13.398
CHSTF		Upper Chester River	0.043	7.718	7.761	16.749
CHSOH	MD	Middle Chester River	0	1.357	1.357	10.775
CHSMH	MD	Lower Chester River	0	1.941	1.941	14.317
EASMH	MD	Eastern Bay	0	2.165	2.165	11.317
CHOTF	DE	Upper Choptank River	0.169	6.589	6.758	7.429
CHOTF	MD	Upper Choptank River	0	9.049	9.049	20.301
CHOTF		Upper Choptank River	0.169	15.638	15.807	27.73
CHOOH	MD	Middle Choptank River	0	0.807	0.807	4.51
CHOMH2	MD	Mouth of Choptank River	0	0.611	0.611	3.79
CHOMH1	MD	Lower Choptank River	0	1.052	1.052	5.816
LCHMH	MD	Little Choptank River	0	0.839	0.839	3.49
HNGMH	MD	Honga River	0	0.302	0.302	0.647
FSBMH	MD	Fishing Bay	0	2.209	2.209	5.114
NANTF_DE	DE	Upper Nanticoke, DE	5.561	28.911	34.472	42.031

Table 9-7. Draft Chesapeake Bay TMDL sediment (SED) annual allocationsa (thousands of pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
NANTF_DE	MD	Upper Nanticoke, DE	0	0.024	0.024	0.128
NANTF_DE		Upper Nanticoke, DE	5.561	28.935	34.496	42.16
NANTF_MD	DE	Upper Nanticoke, MD	0	0	0	0.001
NANTF_MD	MD	Upper Nanticoke, MD	0	0.114	0.114	0.557
NANTF_MD		Upper Nanticoke, MD	0	0.114	0.114	0.558
NANOH	DE	Middle Nanticoke River	0.186	6.664	6.85	7.696
NANOH	MD	Middle Nanticoke River	0	2.413	2.413	8.164
NANOH		Middle Nanticoke River	0.186	9.077	9.263	15.861
NANMH	MD	Lower Nanticoke River	0	0.327	0.327	0.829
WICMH	DE	Wicomico River	0.063	0.038	0.101	0.174
WICMH	MD	Wicomico River	0	2.632	2.632	7.184
WICMH		Wicomico River	0.063	2.67	2.733	7.358
MANMH	MD	Manokin River	0	0.524	0.524	1.494
BIGMH	MD	Big Annemessex River	0	0.268	0.268	0.665
POCTF	DE	Upper Pocomoke River	0.032	0.715	0.748	0.522
POCTF	MD	Upper Pocomoke River	0	5.885	5.885	11.191
POCTF		Upper Pocomoke River	0.032	6.6	6.632	11.713
POCOH_MD	MD	Middle Pocomoke River, MD	0	0.174	0.174	0.797
POCOH_VA	MD	Middle Pocomoke River, VA	0	0.112	0.112	0.714
POCOH_VA	VA	Middle Pocomoke River, VA	0.024	0.665	0.69	0.978
POCOH_VA		Middle Pocomoke River, VA	0.024	0.777	0.802	1.692
POCMH_MD	MD	Lower Pocomoke River, MD	0	1.373	1.373	1.365
POCMH_VA	VA	Lower Pocomoke River, VA	0.055	1.105	1.16	1.611

Table 9-7. Draft Chesapeake Bay TMDL sediment (SED) annual allocations^a (thousands of pounds per year) by Chesapeake Bay segment for the current Chesapeake Bay WQS

Segment ID	Jurisdiction	CB 303(d) Segment	TSED	TSED	TSED	TSED
			WLA	LA	TMDL	2009 Load
			(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)	(mil lbs/yr)
TANMH_MD	MD	Tangier Sound, MD	0	0.267	0.267	0.679
TANMH_VA	VA	Tangier Sound, VA	0.004	0.012	0.016	0.02
CB2OH	MD	Upper Chesapeake Bay	0	1.818	1.818	9.344
CB3MH	MD	Upper Central Chesapeake Bay	0	0.36	0.36	2.647
CB4MH	MD	Middle Central Chesapeake Bay	0	1.442	1.442	5.412
CB5MH_MD	MD	Lower Central Chesapeake Bay, MD	0.469	0.894	1.363	2.035
CB5MH_VA	VA	Lower Central Chesapeake Bay, VA	0.192	3.659	3.851	5.354
CB6PH	VA	Western Lower Chesapeake Bay	0.008	0.335	0.343	0.388
CB7PH	VA	Eastern Lower Chesapeake Bay	0.353	8.64	8.993	13.773
CB8PH	VA	Mouth of Chesapeake Bay	1.688	0.084	1.772	3.58
All	All	All	453	5,605	6,058	7,979
				WLA+LandLA		
All	All	All		6,058		

a. MOS is implicit (see Section 6.2.3)