

9 VAC 25-720-110. Chesapeake Bay - Small Coastal - Eastern Shore River Basin.

A. Total maximum Daily Load (TMDLs).

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

Small Coastal and Chesapeake Bay-

TABLE B1 - CURRENT STREAM SEGMENT CLASSIFICATION

Segment No.	Name	Current State [Class]
7-12A	Pocomoke Sound	EL
7-12B	Messongo Creek	EL
7-12C	Beasley Bay	EL
7-12D	Chesconessex Creek	EL
7-13	Onancock Creek	WQ
7-14	Pungoteague	WQ
7-12E	Nandua Creek	EL
7-15	Ocohanock Creek	WQ
7-12F	Nassawadox Creek	EL
7-12G	Hungars Creek	EL
7-12H	Cherrystone Inlet	EL
7-12I	South Bay	EL
7-12J	Tangier Island	_____
7-11A	Chincoteague	EL
7-11B	Hog Bogue	EL
7-11C	Metomkim Bay	EL
7-11D	Machipongo River	EL
7-11E	South Ocean	EL

Small Coastal and Chesapeake Bay

TABLE B2 - EASTERN SHORE WASTELOAD ALLOCATIONS

NAME	RECEIVING STREAM OR ESTUARY	INTERIM WASTELOAD ALLOCATIONS <sup>(1)</sup>			FINAL WASTELOAD ALLOCATIONS		
		BOD <sub>5</sub> (lb/d)	SUSPENDED SOLIDS (lb/d)	OIL & GREASE (lb/d)	BOD <sub>5</sub> (lb/d)	SUSPENDED SOLIDS (lb/d)	OIL & GREASE (lb/d)
Commonwealth of Va. Rest Area	Pitts Cr.	4.3	4.3	--	4.3	4.3	--
Edgewood Park	Bullbegger Cr.	0.80	0.80	--	0.80	0.80	--
Holly Farms	Sandy Bottom Cr.	167(3)	167(3)	10 mg/l	Stream survey/model and determination of final wasteload allocations planned for the summer of 1980.		
Taylor Packing Company	Messongo Cr.	7006(3)	13010(3)	--	Stream survey/model was run previously. No change in permit anticipated.		
No. Accomack E.S.	Messongo Cr.	1.8	1.4	--	1.8	1.4	--
Messick & Wessels Nelsonia	Muddy Cr.	30mg/l <sup>(4)</sup>	30mg/l <sup>(4)</sup>	--	Interim wasteload allocations may be changed based on BAT guidance.		
Whispering Pines Motel	Deep Cr.	4.8	4.8	--	4.8	4.8	--
Town of Onancock	Onancock Cr.	21	21	--	21	21	--
Messick & Wessels	Onancock Cr.	30mg/l <sup>(4)</sup>	30mg/l <sup>(4)</sup>	--	Interim wasteload allocations may be changed based on guidance.		
So. Accomack E.S.	Pungoteague Cr.	1.8	1.4	--	1.8	1.4	--
A & P Exmore	Nassawadox Cr.	0.38	0.38	--	0.38	0.38	--
Norstrom Coin Laundry	Nassawadox Cr.	60mg/l <sup>(4)</sup> max.	60mg/l <sup>(4)</sup> max.	--	Interim wasteload allocation may be changed based on BAT guidance.		

NH-Acc. Memorial Hospital	Warehouse Cr.	12.5	12.5	--	21.5	12.5	--
Machipongo E.S. & H.H. Jr. High	Trib. To Oresbus Cr.	5.2	5.2	--	5.2	5.2	--
Town of Cape Charles	Cape Charles Harbor	62.6	62.6	--	62.6	62.6	--
America House	Chesapeake Bay	5	5	--	5	5	--
U.S. Coast Guard Chesapeake Bay	Chesapeake Bay	--	--	10/mgI <sup>(5)</sup>	--	--	10/mgI <sup>(5)</sup>
U.S. Government Cape Charles AFB	Magothy Bay	Currently No Discharge					
Exmore Foods (Process Water)	Trib. To Parting Cr.	200	100	--	Stream survey/model and determination of final wasteload allocations planned for the summer of 1980.		
Exmore Foods (Sanitary)	Trib. To Parting Cr.	30mg/I <sup>(5)</sup>	30mg/I <sup>(5)</sup>	--	30mg/I <sup>(5)</sup>	30mg/I <sup>(5)</sup>	--
Perdue Foods (process water)	Parker Cr.	May-Oct 275 367 Nov-Apr. 612 797	--	--	Interim Permit in process. Stream survey/models were run. No substantial change in permit anticipated.		
Perdue Foods (parking lot)	Parker Cr.	30mg/I(5)	30mg/I(5)	--	30mg/I(5)	30mg/I(5)	--
Accomack Nursing Home	Parker Cr.	2.7	2.6	--	2.7	2.6	--
U.S. Gov't NASA Wallops Island	Mosquito Cr.	75	75	--	75	75	--
U.S. Gov't NASA Wallops Island	Cat Cr.	1.25	1.25	--	1.25	1.25	--
F & G Laundromat	Chincoteague Channel	10	4.8	--	Interim wasteload allocations may be changed based on BAT guidance.		

U.S. Coast Guard	Chincoteague Channel	--	--	15mg/l (max.)	--	--	15mg/l (max.)
Virginia-Carolina Seafood	Chincoteague Bay	342	264	5.5	342	264	5.5
Reginald Stubbs Seafood Co. (VA0005813)	Assateague Channel	--	20	95	--	20	95
Reginald Stubbs Seafood Co. (VA00056421)	Assateague Channel	--	20 <sup>[1]</sup>	98	--	20.4 <sup>(2)</sup>	98
Shreaves	Chincoteague Bay	--	16 <sup>(2)</sup>	1.4 <sup>(2)</sup>	--	16 <sup>(2)</sup>	1.4 <sup>(2)</sup>
Chincoteague Seafood	Chincoteague Bay	342	264	5.5	342	264	5.5

TABLE B3 - EXISTING OR POTENTIAL SOURCES OF WATER POLLUTION

Location No.	Name	Receiving Estuary	Stream	Flow (MGD)	CBOD (mg/#D)	NBOD (mg/#D)	Total Suspended Solids (mg/#D)	D.O. (mg/l)	FC (MPN/100ml)	Treatment/Operation
1	Comm. Va. Rest Area	Pocomoke Sound	Pitts Cr.	.003	7/0.18		10/0.3	7.5	1	Extended aeration. Sec. Holding pond, CL <sub>2</sub>
2	H.E. Kelley	Pocomoke Sound	Pitts Cr.							Currently no discharges. Out of business
3	Edgewood Park	Pocomoke Sound	Bullbegger Creek	.006 <sup>(3)</sup>	16/0.8 <sup>(2)</sup>		16/0.8 <sup>(2)</sup>			PRI, CL <sub>2</sub> . Holding Pond

4	Holly Farms	Pocomoke Sound	Sand Bottom Creek	0.18	6/40		15/100	8.0	100	Aerated Lagoons, CL <sub>2</sub>
5	J.W. Taylor	Messongo Creek	Trib. To Messongo	.001	60/50		150/125	8.0		Aerated Lagoons
6	No. Accomack E.S.	Messongo Creek	Trib. To Messongo	.005	22/0.9		30/1.3	9.0		Sec., Septic Tank, Sand Filter Holding Pond
7	Messick & Wessells-Nelsonia	Beasly Bay	Muddy Creek	.005	125/5.2		100/4.2			Sec., Extended Aeration
8	Willetts Laundromat	Beasly Bay	Hunting Creek							Pri., Septic Tank
9	Byrd Food	Beasly Bay								No discharge industry
10	Whispering Pines Motel	Beasly Bay	Deep Creek	.009	25/1.9		30/2.3	6.0		Sec., Extended Aeration Holding Pond, CL <sub>2</sub>
11	Town of Onancock	Onancock Creek	North Fork	.19	2/3.2		3/ 4.8	7.5	3	Primary, Primary Settling Sludge Digestion, CL <sub>2</sub>
12	Messick & Wessells-Onley	Onancock Creek	Joynes Branch	.005	100/4.2		150/6.3			Sec., Extended Aeration

13	So. Accomack E.S.	Pungoteague	Trib. To Pungoteague		24/1.8 <sup>(2)</sup>		19/1.4 <sup>(2)</sup>			Sec., Septic Tank, Grease Trap, Sand Filter, Holding Pond. No discharge in 4 yrs.
14	Great Atlantic & Pacific Tea Company	Nassawadox	Nassawadox	.001	140/1.2		150/1.3		6.5	Sec., Extended Aeration CL <sub>2</sub>
15	Norstrom Coin Laundry	Nassawadox	Trib. To Nassawadox	.008						Sec., Extended Aeration, permit in process
17	N.H.-Acc. Memorial Hospital	Nassawadox	Warehouse Creek	.03	25/1.6		35/2.2	6.5	750	Secondary Aerated Lagoon, CL <sub>2</sub> Holding pond Stab-Lagoon
18	Machipongo E.S. & N.H. Jr. High School	Hungars Creek	Trib. To Oresbus	.03 <sup>(1)</sup>	30/5.2 <sup>(2)</sup>		30/5.2 <sup>(2)</sup>			Sec., Stab-Lagoon, Holding Pond no discharge in 4 yrs.
19	B & B Laundromat	Cherry Stone Inlet	Old Castle Creek							Prl. Septic Tank w/discharger

20	KMC Foods, Inc.	Cherry Stone Inlet								No-Discharge industry
21	Herbert West Laundromat	Cherry Stone Inlet	Kings Creek							Prl. Septic Tank w/Discharger
22	Town of Cape Charles	Cape Charles Harbor	Cape Charles Harbor	.165 <sup>(2)</sup>	290/400 <sup>(3)</sup>		139/192 <sup>(3)</sup>			Raw Sewage, Sewage Treatment to be completed by 1982
23	American House Inn	Chesapeake Bay	Chesapeake Bay		30/5 <sup>(2)</sup>		30/5 <sup>(2)</sup>			
24	U.S. Coast Guard	Chesapeake Bay	Chesapeake Bay	.001 <sup>(2)</sup>	30/			5.0 <sup>(2)</sup>	200 <sup>(2)</sup>	Bilgewater
25	U.S. Gov't Cape Charles AFS	Magothy	Magothy	.001 <sup>(2)</sup>				5.0 <sup>(3)</sup>		Sec., CL <sub>2</sub> , Aerated Lagoon, currently no-discharge
27	Exmore Frozen Foods	Machipongo	Trib. To Parting Cr.	.56	29/135		18/84	6.5		Grass Bays, Screening
28	Exmore Foods (Domestic)	Machipongo	Trib. To Parting Cr.	.02	5/0.8		9/1.5			Septic Tank, Sand Filter
30	Perdue Foods	Metomkin Bay	Parker Creek	1.7	11/156		15/213	6.5	150	Sec., Aerated Lagoon, Holding Pond, CL <sub>2</sub>

31	Perdue Foods	Metomkin Bay	Parker Cr.	.01 <sup>(4)</sup>			15/1.3			
32	Accomack Co. Nursing Home	Metomkin Bay	Parker Cr. North Fork	.011	20/1.8		28/2.6	6.5	100	Sec., Extended Aeration, Holding Pond, CL <sub>2</sub>
33	U.S. Gov't NASA (Wallops Island)	Hog Creek	Cat Creek	.005	30/		30/			Sec., Stab., Holding Pond, CL <sub>2</sub>
34	Robo Automatic Car	Chincoteague Channel	Little Simons Creek							
35	U.S. Gov't NASA	Chincoteague Channel	Mosquito Creek	.105	10.6/9.3 <sub>(3)</sub>	112/28	2.0/1.8			Sec., Tricking Filter
36	Trail's End Rec. Vehicle Dev.	Chincoteague Channel	Trib to Mosquito Cr.							Septic Tank and Drainfield
37	Coin-Op Laundromat	Chincoteague Channel	Chincoteague Channel							No discharge
38	F & G Laundromat	Chincoteague Channel	Chincoteague Channel	.005						
39	U.S. Coast Guard	Chincoteague Channel	Chincoteague Channel	.001 <sup>(2)</sup>			30/0.2 <sup>(2)</sup>		200 <sup>(2)</sup>	Discharge-Bilgewater
40	Phillip Custis	Ramshorn Bay								Spray Irrigation, no Discharge





54	Va-Carolina Seafood Company, Inc.	Hog-Bogue					1152 <sup>(2)</sup> Clams 68 <sup>(2)</sup> Oysters 7.0 <sup>(2)</sup> Scallops			Surf Clams, Oysters, Scallops
55	Chincoteague Island Oyster Farm	Chincoteague								(Oyster-Boat Operation (grows oysters & clams from larvae) <sup>(6)</sup> )
	Reginald Stubbs Seafood Company	Assateague Channel		.002 <sup>(4)</sup>	4.2		2.8			Oyster
58	Shreaves Bros.	Chincoteague		.002 <sup>(4)</sup>	2.07		8.0			Oyster
60	Chincoteague Seafood Co.	Chincoteague		.063 <sup>(4)</sup>	972		79.9			Surf-Clam
61	Ralph E. Watson Oyster Co.	Chincoteague		.003 <sup>(4)</sup>	57		53			Oyster
62	McCready Bros. Inc.	Chincoteague								Oyster, no discharge
63	Wm. C. Bunting	Chincoteague		.001 <sup>(4)</sup>	12		4.8			Oyster
64	Carpenters Seafood	Chincoteague		.001 <sup>(4)</sup>	4.1`		2.1			Oyster
64a	Burttons Seafood, Inc.	Chincoteague		.006 <sup>(4)</sup>	10.3		.35			Oyster shell stock deal no discharge



81	J.E. Hamblin	Machipong o								Oyster, No discharge
83	Nathan Bell Seafood	Machipong o								Clams, Hard <sup>(5)</sup>
84	John L. Marshall Seafood	Machipong o								Clams <sup>(5)</sup>
85	American Original Foods, Inc.	Machipong o	Parting Creek	.151 <sup>(4)</sup>	2632		1337			
86	Harvey & Robert Bowen	Machipong o	Parting Creek	.0006 <sup>(4)</sup>	6.2		1.7			Oyster
87	H.M. Terry	Machipong o	Parting Creek	.0004 <sup>(4)</sup>	3.3		.62			Oyster
89	Webb's Island Seafood	South Ocean Area								Clams <sup>(6)</sup>
90	Cliff's Seafood	South Ocean Area	Mockhor n Bay							Oyster & Clam <sup>(6)</sup>
92	H. Allen Smith	South Ocean Area		.037 <sup>(4)</sup>	213		522			Sea Clam
94	C & D Seafood, Inc.	South Ocean Area	Oyster Harbor	.04 <sup>(4)</sup>	427		204 sea clam 34 <sup>(2)</sup> oyster			Sea Clam, Oyster
95	B.L. Bell & Sons	South Ocean Area	Oyster Harbor	.001 <sup>(4)</sup>	12		.9			Oyster
98	Lance Fisher Seafood Co.	Pocomoke		.02 <sup>(4)</sup>	38		12.8			Oyster and Clam

99	Fisher & Williams/Lester Fisher	Messongo								Building used to shed soft crabs <sup>(5)</sup>
100	Grady Rhodes Seafood	Messongo								Sold business, Building used to shed soft crabs <sup>(5)</sup>
101	Bonowell Bros.	Messongo	Pocomoke Sound	.001 <sup>(4)</sup>	12		2.5			Oyster
102	John H. Lewis & Co.	Messongo	Starling Creek							Oyster SS only, no discharge
103	Eastern Shore Seafood	Beasley								Crab, no discharge
106	Ashton's Seafood, Inc.	Pungoteague								Shell stock dealer-no discharge
107	Nandua Seafood Co.	Nandua		.0001 <sup>(4)</sup>	.2		.9			Crab
108	A.M. Acuff	Cherrystone								Building used for storage, no discharge
110	D.L. Edgerton Co.	Cherrystone	Mud Creek							Conch. In operation. Retort drains overboard & fish wash-down <sup>(6)</sup>

111 & 112	Tangier Island Seafood, Inc.	Tangier								Crab <sup>(5)</sup>
113	Tangier	Chesapeake Bay								1000 KW Power Station
114	Chincoteague	Chincoteague Channel								2100 KW Power Station
115	Parksley									2400 KW Power Station
116	Tasley									1400 KW Power Station
117	Bayview									10,000 KW Power Station
118	Cape Charles	Cape Charles Harbor								1200 KW Power Station
119	Burdick Well & Pump Company									Holding Pond, no discharge
120	Marshall & Son Crab Company	Messongo Cr.								Crab Shedding <sup>(6)</sup>
[]	Linton & Lewis Crab Co.	Pocomoke Sound								Crab Shedding <sup>(6)</sup>
122	D.L. Edgerton	Chincoteague								Fish Washdown <sup>(6)</sup>

123	Evans Bros. Seafood Co.	Pocomoke Sound								Crab Shedding <sup>(6)</sup>
124	Stanley F. Linton	Messongo	Starling Cr.							Crab Shedding <sup>(6)</sup>
125	H.V. Drewer & Son	Messongo	Starling Cr.	.035 <sup>(4)</sup> .018 <sup>(4)</sup>	349 180		736-clam 198-oyster			Oyster & Clam
126	Chincoteague Fish Co., Inc.	Chincoteague Channel								Fish Washdown <sup>(6)</sup>
127	Chincoteague Crab Company	Assateague Channel			.18 <sup>(2)</sup>		.54 <sup>(2)</sup>			Crab & Crab Shedding
128	Aldon Miles & Sons	Pocomoke Sound								Crab Shedding <sup>(6)</sup>
129	Saxis Crab Co.	Messongo	Starling Cr.							Crab Shedding <sup>(6)</sup>
	Paul Watkinson SFD	Pocomoke Sound								Crab Shedding <sup>(6)</sup>
131	Russell Fish Co., Inc	Chincoteague Channel								Fish <sup>(6)</sup>
132	Mason Seafood Co.	Chincoteague Channel		.002 <sup>(4)</sup>	7.7		13.7			Oysters

NOTE: <sup>(1)</sup> Water quality data taken from Discharge Monitoring Reports or special studies unless indicated.

<sup>(2)</sup> NPDES Permit limits given since the permit is new and discharge monitoring reports not yet available.

<sup>(3)</sup> Data from Accomack-Northampton Co. Water Quality Management Plan.

<sup>(4)</sup> Estimated.

<sup>(5)</sup> May need a permit--either company has not responded to SWCB letter or operation has just started up.

<sup>(6)</sup> No limits -- has an NPDES permit, but is not required to monitor.

C. Nitrogen and phosphorus waste load allocations to restore the Chesapeake Bay and its tidal rivers.

The following table presents nitrogen and phosphorus waste load allocations for the identified significant dischargers and the total nitrogen and total phosphorus waste load allocations for the listed facilities.

Virginia Waterbody ID	Discharger Name	VPDES Permit No.	Total Nitrogen (TN) Waste Load Allocation (lbs/yr)	Total Phosphorus (TP) Waste Load Allocation (lbs/yr)
C16E	Cape Charles Town WWTP (1)	VA0021288	6,091	457
C11E	Onancock WWTP (2)	VA0021253	9,137	685
C13E	Shore Memorial Hospital	VA0027537	1,218	91
C10E	Tangier WWTP	VA0067423	1,218	91
C10R	Tyson Foods - Temperanceville	VA0004049	22,842	<del>980</del> -1,142
TOTALS:			40,506	2,467

NOTE: (1) Cape Charles STP: waste load allocations (WLAs) based on a design flow capacity of 0.5 million gallons per day (MGD). If plant is not certified to operate at 0.5 MGD design flow capacity by 12/31/10, the WLAs will decrease to TN = 3,046 lbs/yr; TP = 228 lbs/yr, based on a design flow capacity of 0.25 MGD.

(2) Onancock STP: waste load allocations (WLAs) based on a design flow capacity of 0.75 million gallons per day (MGD). If plant is not certified to operate at 0.75 MGD design flow capacity by 12/31/10, the WLAs will decrease to TN = 3,046 lbs/yr; TP = 228 lbs/yr, based on a design flow capacity of 0.25 MGD.

Certified True and Accurate: \_\_\_\_\_

David K. Paylor  
Director, DEQ

Date: \_\_\_\_\_