

Appendix C: Effluent Limitation Tables

If you are a processor subject to one of the effluent limitations guidelines identified in Part III.A.1.a, you must meet the effluent limits in this Appendix (exceptions in Part III.A.3). All authorized discharges to surface water shall be limited and monitored at each point of discharge.

For determining which limits to use and how to report DMR's for commingled discharges, in most cases there will be some time of year where a sample can be taken to separately represent each process so the limits would switch based on what type of processing is being reported. Where there are commingled discharges that are never separate from one another, the more stringent limits should be applied.

Where there are multiple outfalls discharging the same process water, samples can be composited, then analyzed and reported on one DMR, or results from individually sampled and analyzed outfalls can be combined mathematically to show total load from the facility and this figure reported on one DMR.

Calculating Loading Values

To determine your Biochemical Oxygen Demand (BOD5), Total Suspended Solids (TSS), or Oil & Grease reporting values in lbs per 1,000lbs of raw seafood, you can use the following formula:

$$\left(\text{lbs of pollutant discharged from all outfalls} \times 1000 = \text{lbs of pollutant per 1000 lbs of raw seafood lbs of raw seafood, before shelling} \right)$$

Samples should only be taken during days of operation and the lbs of raw seafood should be the amount of raw seafood processed, before shelling or shucking, on the day the sample was taken.

Provides discharge authorization only upon Maryland Department of the Environment notification of registration.

1. Conventional (Handpicked) Blue Crab Processing—Existing Sources

The limits in this table are applicable to discharges resulting from the processing of blue crab in which manual picking or separation of crab meat from the shell is utilized, at facilities which were built prior to July 9, 1986 processing more than 1362 kg (3000 lbs) of raw material per day on any day during a calendar year.

PARAMETER	QUANTITY or LOADING		QUALITY or CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Total Suspended Solids (TSS) ^(a)	0.74 ^(b)	2.2 ^(b)			lbs per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Fecal Coliform				14	MPN/ 100 mL	1/month	grab
Total Residual Chlorine				0.013/0.019 ^(d)	mg/L	1/month	grab
Oil & Grease ^(a)	0.20 ^(b)	0.60 ^(b)			lbs per 1,000 lbs of raw seafood	1/month	grab ^(e)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Total Residual Chlorine limit is 0.013 mg/L for discharges to salt water and 0.019 mg/L for discharges to fresh water. The minimum quantification level for total residual chlorine is 0.10 mg/L. Report all results below the minimum level as "<0.10 mg/L"
- (e) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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2. Mechanized Blue Crab Processing—All Existing Sources

The limits in this table are applicable to discharges resulting from the processing of blue crab in which mechanical picking or separation of crab meat from the shell is utilized, at facilities which were built prior to July 9, 1986 processing more than 1362 kg (3000 lbs) of raw material per day on any day during a calendar year.

PARAMETER	QUANTITY or LOADING		QUALITY or CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow		report			gpd	1/month	Measured
Total Suspended Solids (TSS) ^(a)	12 ^(b)	36 ^(b)			lbs per 1,000 lbs of raw Seafood	1/month	8-hour composite ^(c)
pH			6.0	9.0	S.U.	1/month	Grab
Oil & Grease ^(a)	4.2 ^(b)	13 ^(b)				1/month	Grab ^(d)
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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3. Conventional (Handpicked) Blue Crab Processing—All New Sources

The limits in this table are applicable to discharges resulting from the processing of blue crab in which manual picking or separation of crab meat from the shell is utilized, at facilities which were built after July 9, 1986 processing any amount of blue crab.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	0.15 ^(b)	0.30 ^(b)			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	0.45 ^(b)	0.90 ^(b)			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Fecal Coliform				14	MPN/ 100 mL	1/month	grab
Total Residual Chlorine				0.013/0.019 ^(d)	mg/L	1/month	grab
Oil & Grease ^(a)	0.065 ^(b)	0.13 ^(b)			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(e)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Total Residual Chlorine limit is 0.013 mg/L for discharges to salt water and 0.019 mg/L for discharges to fresh water. The minimum quantification level for total residual chlorine is 0.10 mg/L. Report all results below the minimum level as "<0.10 mg/L"
- (e) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

Provides discharge authorization only upon Maryland Department of the Environment notification of registration.

4. Mechanized Blue Crab Processing—All New Sources

The limits in this table are applicable to discharges resulting from the processing of blue crab in which mechanical picking or separation of crab meat from the shell is utilized, at facilities which were built after July 9, 1986 processing any amount of blue crab.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	2.5 ^(b)	5.0 ^(b)			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	6.3 ^(b)	13 ^(b)			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	1.3 ^(b)	2.6 ^(b)			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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5. Shucked Oyster Processing Facilities, Existing Facilities

The limits in this table are applicable to discharges resulting from the hand-shucked oyster processing facilities which process more than 454 kg (1000 lbs) of product per day on any day during a calendar year which were built prior to December 1, 1975.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Total Suspended Solids (TSS) ^(a)	16.0 ^(b)	24.0 ^(b)			lbs/day per 1,000 lbs of shucked oysters	1/month	8-hour composite ^(c)
Fecal Coliform				14	MPN/ 100 mL	1/month	grab
Total Residual Chlorine				0.013/0.019 ^(d)	mg/L	1/month	grab
Oil & Grease ^(a)	0.81 ^(b)	1.2 ^(b)			lbs/day per 1,000 lbs of shucked oysters	1/month	grab ^(e)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Total Residual Chlorine limit is 0.013 mg/L for discharges to salt water and 0.019 mg/L for discharges to fresh water. The minimum quantification level for total residual chlorine is 0.10 mg/L. Report all results below the minimum level as "<0.10 mg/L"
- (e) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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6. Shucked Oyster Processing Facilities, New Sources

The limits in this table are applicable to discharges resulting from the hand-shucked oyster processing facilities which were built after December 1, 1975 processing any amount of oyster.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Total Suspended Solids (TSS) ^(a)	16.0 ^(b)	23.0 ^(b)			lbs/day per 1,000 lbs of shucked oysters	1/month	8-hour composite ^(c)
Fecal Coliform				14	MPN/ 100 mL	1/month	grab
Total Residual Chlorine				0.013/0.019 ^(d)	mg/L	1/month	grab
Oil & Grease ^(a)	0.77 ^(b)	1.1 ^(b)			lbs/day per 1,000 lbs of shucked oysters	1/month	grab ^(e)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Total Residual Chlorine limit is 0.013 mg/L for discharges to salt water and 0.019 mg/L for discharges to fresh water. The minimum quantification level for total residual chlorine is 0.10 mg/L. Report all results below the minimum level as "<0.10 mg/L"
- (e) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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7. Steamed and Canned Oyster Processing – All New Sources

The limits in this table are applicable to discharges resulting from oysters which are mechanically shucked.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	17	67			lbs/day per 1,000 lbs of shucked oysters ^(b)	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	39	56			lbs/day per 1,000 lbs of shucked oysters	1/month	8-hour composite ^(c)
Fecal Coliform				14	MPN/ 100 mL	1/month	grab
Total Residual Chlorine				0.013/0.019 ^(d)	mg/L	1/month	grab
Oil & Grease ^(a)	0.42 ^(b)	0.64 ^(b)			lbs/day per 1,000 lbs of shucked oysters	1/month	grab ^(e)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Total Residual Chlorine limit is 0.013 mg/L for discharges to salt water and 0.019 mg/L for discharges to fresh water. The minimum quantification level for total residual chlorine is 0.10 mg/L. Report all results below the minimum level as "<0.10 mg/L"
- (e) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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8. Hand-Shucked Clam Processing—All New Sources

The limits in this table are applicable to discharges resulting from hand-shucked clam processing facilities.

PARAMETER	QUANTITY or LOADING		QUALITY or CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow					gpd	1/month	measured
Total Suspended Solids (TSS) ^(a)	17	55			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	0.21	0.56			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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9. Scallop Processing – New Sources

The limits in this table are applicable to discharges resulting from from the processing of scallops.

PARAMETER	QUANTITY or LOADING		QUALITY or CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow					gpd	1/month	measured
Total Suspended Solids (TSS) ^(a)	1.4	5.7			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	0.23	7.3			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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10. Non-Breaded Shrimp Processing—All New Sources

The limits in this table are applicable to discharges resulting from the processing of non-breaded shrimp.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	25	63			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	10	25			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	1.6	4.0			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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11. Breaded Shrimp Processing—All New Sources

The limits in this table are applicable to discharges resulting from the processing of breaded shrimp.

PARAMETER	QUANTITY or LOADING		QUALITY or CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Total Suspended Solids (TSS) ^(a)	22	55			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Biochemical Oxygen Demand (BOD5) ^(a)	40	100			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	1.5	3.8			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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12. Tuna Processing—All New Sources

The limits in this table are applicable to discharges resulting from the processing of tuna.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	8.1	20			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	3.0	7.5			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	0.76	1.9			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

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13. Conventional Bottom Fish Processing—All New Sources

The limits in this table are applicable to discharges resulting from the processing of bottom fish in which the unit operations are carried out predominately through manual methods. However, the use of scaling machines and/or skinning machines are considered to be normal practice. The provisions of this category apply to the processing of commercially processed species of bottom fish such as flounder, ocean perch, haddock, cod, sea catfish, sole, halibut, and rockfish.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	0.71	1.2			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	0.73	1.5			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	0.042	0.077			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(e)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Total Residual Chlorine limit is 0.013 mg/L for discharges to salt water and 0.019 mg/L for discharges to fresh water. The minimum quantification level for total residual chlorine is 0.10 mg/L. Report all results below the minimum level as "<0.10 mg/L"
- (e) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

Provides discharge authorization only upon Maryland Department of the Environment notification of registration.

14. Mechanized Bottom Fish Processing—All New Sources

The limits in this table are applicable to discharges resulting from the processing of bottom fish in which the unit operations (particularly the butchering and/or filleting operations) are carried out predominately through mechanized methods. The provisions of this subpart apply to the processing of bottom fish such as whiting and croaker.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	7.5	13			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	2.9	5.3			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	0.47	1.2			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(e)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Total Residual Chlorine limit is 0.013 mg/L for discharges to salt water and 0.019 mg/L for discharges to fresh water. The minimum quantification level for total residual chlorine is 0.10 mg/L. Report all results below the minimum level as "<0.10 mg/L"
- (e) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

Provides discharge authorization only upon Maryland Department of the Environment notification of registration.

15. Farm-Raised Catfish Processing

The limits in this table are applicable to discharges resulting from the processing of farm-raised catfish by new facilities which process more than 1362 kg (3000 lbs) of raw material per day on any day during a calendar year and all new sources.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	2.3	4.6			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	5.7	11			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Fecal Coliform		Report			MPN/ 100 mL	1/month	grab
Oil & Grease ^(a)	0.45	0.90			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

Provides discharge authorization only upon Maryland Department of the Environment notification of registration.

16. Herring Processing—All New Sources

The limits in this table are applicable to discharges resulting from the processing of herring fillets.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	15	16			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	5.2	7.0			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	1.1	2.9			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

Provides discharge authorization only upon Maryland Department of the Environment notification of registration.

17. Fish Meal

The limits in this table are applicable to discharges resulting from the processing of menhaden into fish meal, oil and solubles.

PARAMETER	QUANTITY or LOADING		QUALITY or CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Biochemical Oxygen Demand (BOD5) ^(a)	3.8	6.7			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Total Suspended Solids (TSS) ^(a)	1.5	3.7			lbs/day per 1,000 lbs of raw seafood	1/month	8-hour composite ^(c)
Oil & Grease ^(a)	0.76	1.4			lbs/day per 1,000 lbs of raw seafood	1/month	grab ^(d)
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

- (a) Upon request from a permittee, the Department may reduce monitoring frequency if effluent analyses are satisfactory.
- (b) This is the load limit for all outfalls combined. Permittees shall report monthly averages and daily maximum according to the instructions provided on page C-1.
- (c) Samples shall be taken from each discharge, up to three per day, during the hours of operation. Samples shall be composited, then analyzed.
- (d) Grab sample shall be taken from retort blowdown, if present, or from plant washdown if there is no retort blowdown.

Provides discharge authorization only upon Maryland Department of the Environment notification of registration.

18. Other Seafood Processors

Except those categories 1-17 identified above, all other seafood processing discharges shall at a minimum be limited and monitored at each point of discharge to surface waters of the state as identified in this section, and consistent with any applicable established ELG, upon approval of the Department.

PARAMETER	QUANTITY or LOADING		QUALITY or CONCENTRATION		UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE
	MONTHLY AVERAGE	DAILY MAXIMUM	MINIMUM	DAILY MAXIMUM			
Flow	report	report			gpd	1/month	measured
Solids ^(a)							
Fecal Coliform				14	MPN/100 mL	1/month	grab
Total Residual Chlorine				0.013/0.019 ^(b)	mg/L	1/month	grab
pH			6.0	9.0	s.u.	1/month	grab
Production		report			lb	1/month	measured

Notes:

- (a) Shall not exceed particle size that can pass Tyler designation 20-mesh screen. Grinding, maceration, or any other waste treatment procedure intended to reduce particle size of solids in the influent to pass Tyler designation 20-mesh screen will not be permitted.
- (b) Total Residual Chlorine limits are 0.019 mg/L for discharges to fresh water and 0.013 mg/L for discharges to salt water. The minimum quantification level for total residual chlorine is 0.10 mg/L. Report all results below the minimum level as "<0.10 mg/L".