

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
PERMITS SECTION  
235 PROMENADE STREET  
PROVIDENCE, RHODE ISLAND 02908-5767

PUBLIC NOTICE OF PROPOSED PERMIT ACTIONS UNDER THE RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES) PROGRAM WHICH REGULATES DISCHARGES INTO THE WATERS OF THE STATE UNDER CHAPTER 46-12 OF THE RHODE ISLAND GENERAL LAWS OF 1956, AS AMENDED.

DATE OF NOTICE: September 3, 2026

PUBLIC NOTICE NUMBER: PN 26-05

**DRAFT RIPDES PERMITS**

RIPDES PERMIT NUMBER: **RI0001121**

NAME AND MAILING ADDRESS OF APPLICANT:

**BLOUNT FINE FOODS**  
308 Market St.  
Warren, RI

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

**BLOUNT FINE FOODS**  
383 Water Street  
Warren, Rhode Island

RECEIVING WATER: Warren River

RECEIVING WATER CLASSIFICATION: SB1

The facility, which is the source of the discharge is engaged in the production of soups. The discharge is composed of effluent generated from the production of soups. The water generated from these processes is treated by bag filtration and equalization tanks at multiple steps, a Cavitation Air Flotation (CAF) separator system, and heat pasteurization.

The DEM has determined that the proposed activities comply with the Policy on the Implementation of the Antidegradation Provisions of the Rhode Island Water Quality Regulations and that existing uses will be maintained and protected. A detailed evaluation of the water quality impact from the proposed activities and any important benefits demonstrations, if required, may be found in the fact sheet and permit development document which is available as noted below.

In response to public comments received during public notice PN 26-02, the DEM removed oil and grease concentration limits. Mass limits are unchanged.

**FURTHER INFORMATION:**

A fact sheet (describing the type of facility and significant factual, legal and policy questions

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considered in these permit actions) may be obtained at no cost by writing or calling DEM as noted below:

Samuel Kaplan, P.E.  
Environmental Engineer II  
Rhode Island Department of Environmental Management  
Office of Water Resources  
Permits Section  
235 Promenade Street  
Providence, Rhode Island 02908-5767  
(401) 537-4240  
[samuel.kaplan@dem.ri.gov](mailto:samuel.kaplan@dem.ri.gov)

The administrative record containing all documents relating to these permit actions is on file and may be inspected, by appointment, at the DEM's Providence office mentioned above between 8:30 AM and 4:00 PM, Monday through Friday, except holidays.

**PUBLIC COMMENT AND REQUEST FOR PUBLIC HEARING:**

Pursuant to Chapter 42-17.4 of the Rhode Island General Laws a public hearing has been scheduled to consider this permit if requested. Requests for a Public Hearing must be submitted in writing to the attention of Samuel Kaplan at the address indicated above. Notice should be taken that if DEM receives a request from twenty-five (25) people, a governmental agency or subdivision, or an association having no less than twenty-five (25) members on or before 4:00 PM on Tuesday, October 6, 2026 a public hearing will be held at the following time and place:

5:00 PM on Wednesday, October 14, 2026  
Room 280  
235 Promenade Street  
Providence, Rhode Island 02908

Interested persons should contact DEM to confirm if a hearing will be held at the time and location noted above.

235 Promenade Street is accessible to individuals who are handicapped. If communication assistance (readers/interpreters/captioners) is needed, or any other accommodation to ensure equal participation, please call Samuel Kaplan, P.E. or RI Relay 711 by 4 PM on Friday, October 9, 2026, so arrangements can be made to provide such assistance at no cost to the person requesting.

Interested parties may submit comments on the permit actions and the administrative record to the address above no later than Thursday, October 15, 2026.

If, during the public comment period, significant new questions are raised concerning the permit, DEM may require a new draft permit or fact sheet or may reopen the public comment period. A public notice will be issued for any of these actions.

Any person, including the permittee/applicant, who believes these permit actions are inappropriate, must raise all reasonably ascertainable issues and submit all reasonably available arguments and factual grounds supporting their position, including all supporting material, by the close of the public comment period under Rule 41. The public comment period is from Thursday, September 3, 2026 to Thursday, October 15, 2026. Commenters may request a longer comment

period if necessary to provide a reasonable opportunity to comply with these requirements. Comments should be directed to DEM as noted above.

**FINAL DECISION AND APPEALS:**

Following the close of the comment period, and after a public hearing, if such hearing is held, the Director will issue a final decision and forward a copy of the final decision to the permittee and each person who has submitted written comments or requested notice. Within 30 days following the notice of the final decision, any interested person may submit a request for a formal hearing in accordance with the requirements of 250-RICR-150-10-1.50 of the Regulations for the Rhode Island Pollutant Discharge Elimination System.

27 Aug. 2026  
Date

Heidi Travers  
Heidi Travers, P.E.  
Environmental Engineer IV  
RIPDES, Office of Water Resources  
Department of Environmental Management

## AUTHORIZATION TO DISCHARGE UNDER THE RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of Chapter 46-12 of the Rhode Island General Laws, as amended,

**BLOUNT FINE FOODS**

308 Market Street  
Warren, Rhode Island

is authorized to discharge from a facility located at

## BLOUNT FINE FOODS

383 Water Street  
Warren, Rhode Island

to receiving waters named

## Warren River (Waterbody ID: RI0007023E-01A)

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on \_\_\_\_\_.

This permit and the authorization to discharge expire at midnight, five (5) years from the effective date.

This permit supersedes the permit issued on September 30, 2010.

This permit consists of twenty-five (25) pages in Part I including effluent limitations, monitoring requirements, etc. and eight (8) pages in Part II including General Conditions.

Signed this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

DRAFT

Joseph Haberek, P.E., Administrator for Surface Water Protection  
Office of Water Resources  
Rhode Island Department of Environmental Management  
Providence, Rhode Island



## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.1** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-A (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Average Monthly       | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 60,000 <sup>1</sup>   |               |                               |                |               | Monthly                | Inventory Control |
| <b>BOD (5-Day)</b>            | 147.6                 | 248.4         | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |
| <b>Oil and Grease</b>         | 55.3                  | 120           | --- mg/L                      |                | --- mg/L      | 2/Week                 | Grab              |
| <b>Total Suspended Solids</b> | 305.4                 | 442.8         | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average daily production for the month production is less than or equal to 60,000 pounds of raw material, including all liquids, in the form in which it is received at the processing plant during the month divided by the total number of discharge days for the month. Discharge days are defined as days with a wastewater discharge associated with soup production.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.2** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-B (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Average Monthly       | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 80,000 <sup>1</sup>   |               |                               |                |               | Monthly                | Inventory Control |
| <b>BOD (5-Day)</b>            | 196.8                 | 331.2         | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |
| <b>Oil and Grease</b>         | 73.7                  | 160           | --- mg/L                      |                | --- mg/L      | 2/Week                 | Grab              |
| <b>Total Suspended Solids</b> | 407.2                 | 590.4         | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average monthly production is greater than 60,000 pounds of raw material and less than or equal to 80,000 pounds of raw material, including all liquids, in the form in which it is received at the processing plant during the month divided by the total number of discharge days for the month. Discharge days are defined as days with a wastewater discharge associated with soup production.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.3** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-C (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Average Monthly       | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 100,000 <sup>1</sup>  |               |                               |                |               | Monthly                | Inventory Control |
| <b>BOD (5-Day)</b>            | 246                   | 414           | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |
| <b>Oil and Grease</b>         | 92.2                  | 200           | --- mg/L                      |                | --- mg/L      | 2/Week                 | Grab              |
| <b>Total Suspended Solids</b> | 509                   | 738           | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average monthly production is greater than 80,000 pounds of raw material and less than or equal to 100,000 pounds of raw material, including all liquids, in the form in which it is received at the processing plant during the month divided by the total number of discharge days for the month. Discharge days are defined as days with a wastewater discharge associated with soup production.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.4** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-D (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Average Monthly       | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 120,000 <sup>1</sup>  |               |                               |                |               | Monthly                | Inventory Control |
| <b>BOD (5-Day)</b>            | 295.2                 | 496.8         | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |
| <b>Oil and Grease</b>         | 106                   | 230           | --- mg/L                      |                | --- mg/L      | 2/Week                 | Grab              |
| <b>Total Suspended Solids</b> | 610.8                 | 885.6         | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average monthly production is greater than 100,000 pounds of raw material and less than or equal to 120,000 pounds of raw material, including all liquids, in the form in which it is received at the processing plant divided by the total number of discharge days for the month. Discharge days are defined as days with a wastewater discharge associated with soup production.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.5** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-E (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Average Monthly       | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 140,000 <sup>1</sup>  |               |                               |                |               | Monthly                | Inventory Control |
| <b>BOD (5-Day)</b>            | 344.4                 | 579.6         | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |
| <b>Oil and Grease</b>         | 106                   | 230           | --- mg/L                      |                | --- mg/L      | 2/Week                 | Grab              |
| <b>Total Suspended Solids</b> | 712.6                 | 1033.2        | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average monthly production is greater than 120,000 pounds of raw material and less than or equal to 140,000 pounds of raw material, including all liquids, in the form in which it is received at the processing plant divided by the total number of discharge days for the month. Discharge days are defined as days with a wastewater discharge associated with soup production.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.6** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-F (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Average Monthly       | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | --- <sup>1</sup>      |               |                               |                |               | Monthly                | Inventory Control |
| <b>BOD (5-Day)</b>            | 393.6                 | 662.4         | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |
| <b>Oil and Grease</b>         | 106                   | 230           | --- mg/L                      |                | --- mg/L      | 2/Week                 | Grab              |
| <b>Total Suspended Solids</b> | 814.4                 | 1180.8        | --- mg/L                      |                | --- mg/L      | 2/Week                 | 24-Hr. Comp.      |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average monthly production is greater than 140,000 pounds of raw material, including all liquids, in the form in which it is received at the processing plant divided by the total number of discharge days for the month. Discharge days are defined as days with a wastewater discharge associated with soup production.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.7** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-G (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Annual Average        | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 60,000 <sup>1</sup>   |               |                               |                |               | Annual                 | Inventory Control |
| <b>BOD (5-Day)</b>            | 101.4 <sup>2</sup>    |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |
| <b>Total Suspended Solids</b> | 186 <sup>2</sup>      |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average annual production per day over the last twelve months is less than 60,000 pounds per day. Annual average production is calculated by dividing the total pounds of raw material, including all liquids, in the form in which it is received at the processing plant, by the total number of discharge days for the previous twelve months. Discharge days are defined as days with a wastewater discharge associated with soup production during the calendar year.

<sup>2</sup>Annual average is the average of each daily load for the previous twelve months.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.8** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-H (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Annual Average        | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 80,000 <sup>1</sup>   |               |                               |                |               | Annual                 | Inventory Control |
| <b>BOD (5-Day)</b>            | 135.2 <sup>2</sup>    |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |
| <b>Total Suspended Solids</b> | 248 <sup>2</sup>      |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average annual production per day over the last twelve months is greater than 60,000 pounds per day and less than 80,000 pounds per day. Annual average production per day is calculated by dividing the total pounds of raw material, including all liquids, in the form in which it is received at the processing plant, by the total number of discharge days for the previous twelve months. Discharge days are defined as days with a wastewater discharge associated with soup production during the calendar year.

<sup>2</sup>Annual average is the average of each daily load for the previous twelve months.



## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.9** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-I (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Annual Average        | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 100,000 <sup>1</sup>  |               |                               |                |               | Annual                 | Inventory Control |
| <b>BOD (5-Day)</b>            | 169 <sup>2</sup>      |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |
| <b>Total Suspended Solids</b> | 310 <sup>2</sup>      |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average annual production per day over the last twelve months is greater than 80,000 pounds per day and less than 100,000 pounds per day. Annual average production per day is calculated by dividing the total pounds of raw material, including all liquids, in the form in which it is received at the processing plant, by the total number of discharge days for the previous twelve months. Discharge days are defined as days with a wastewater discharge associated with soup production during the calendar year.

<sup>2</sup>Annual average is the average of each daily load for the previous twelve months.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.10** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-J (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Annual Average        | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 120,000 <sup>1</sup>  |               |                               |                |               | Annual                 | Inventory Control |
| <b>BOD (5-Day)</b>            | 202.8 <sup>2</sup>    |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |
| <b>Total Suspended Solids</b> | 372 <sup>2</sup>      |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average annual production per day over the last twelve months is greater than 100,000 pounds per day and less than 120,000 pound per day. Annual average production per day is calculated by dividing the total points of raw material, including all liquids, in the form in which it is received at the processing plant, by the total number of discharge days for the previous twelve months. Discharge days are defined as days with a wastewater discharge associated with soup production during the calendar year.

<sup>2</sup>Annual average is the average of each daily load for the previous twelve months.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.11** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-K (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Annual Average        | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | 140,000 <sup>1</sup>  |               |                               |                |               | Annual                 | Inventory Control |
| <b>BOD (5-Day)</b>            | 236.6 <sup>2</sup>    |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |
| <b>Total Suspended Solids</b> | 434 <sup>2</sup>      |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average annual production per day over the last twelve months is greater than 120,000 pounds per day and less than 140,000 pounds per day. Annual average production per day is calculated by dividing the total pounds of raw material, including all liquids, in the form in which it is received at the processing plant, by the total number of discharge days for the previous twelve months. Discharge days are defined as days with a wastewater discharge associated with soup production during the calendar year.

<sup>2</sup>Annual average is the average of each daily load for the previous twelve months.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.12** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002-L (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic       | Discharge Limitations |               |                               |                |               | Monitoring Requirement |                   |
|-------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|-------------------|
|                               | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type       |
|                               | Annual Average        | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |                   |
| <b>Production Rate</b>        | --- <sup>1</sup>      |               |                               |                |               | Annual                 | Inventory Control |
| <b>BOD (5-Day)</b>            | 270.4 <sup>2</sup>    |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |
| <b>Total Suspended Solids</b> | 496 <sup>2</sup>      |               |                               |                |               | 2/Week                 | 24-Hr. Comp.      |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

<sup>1</sup>The limits expressed on this page shall be invoked when the permittee's total average annual production per day over the last twelve months is greater than 140,000 pounds per day. Annual average production per day is calculated by dividing the total pounds of raw material, including all liquids, in the form in which it is received at the processing plant, by the total number of discharge days for the previous twelve months. Discharge days are defined as days with a wastewater discharge associated with soup production during the calendar year.

<sup>2</sup>Annual average is the average of each daily load for the previous twelve months.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.13** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002 (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic           | Discharge Limitations |               |                               |                |                             | Monitoring Requirement |                      |
|-----------------------------------|-----------------------|---------------|-------------------------------|----------------|-----------------------------|------------------------|----------------------|
|                                   | Quantity – lbs./day   |               | Concentration – Specify Units |                |                             | Measurement Frequency  | Sample Type          |
|                                   | Average Monthly       | Maximum Daily | Average Monthly<br>*(Minimum) | Average Weekly | Maximum Daily<br>*(Maximum) |                        |                      |
| <b>Flow</b>                       | --- MGD <sup>1</sup>  | 0.100 MGD     |                               |                |                             | Continuous             | Recorder             |
| <b>Fecal Coliform<sup>3</sup></b> |                       |               | ---#/100 mL <sup>2</sup>      |                | ---#/100 mL                 | 1/Week                 | Grab                 |
| <b>Enterococci<sup>3</sup></b>    |                       |               | 35 #/100 mL <sup>2</sup>      |                | 276 #/100 mL                | 2/Week                 | Grab                 |
| <b>Temperature</b>                |                       |               |                               |                | 120°F <sup>4</sup>          | 1/Day                  | Grab                 |
| <b>pH</b>                         |                       |               | (6.5 S.U.)                    |                | (8.5 S.U.)                  | 1/Month                | 8 Grabs <sup>5</sup> |
| <b>Settleable Solids</b>          |                       |               | --- mL/L                      |                | --- mL/L                    | 1/Month                | 24-Hr. Comp.         |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

\*Values in parentheses ( ) are to be reported as Minimum/Maximum for the reporting period rather than Average Monthly/ Maximum Daily.

<sup>1</sup>The average monthly flow shall be equal to the average of the daily flows where there was a discharge. Zero flow days shall not be used when calculating the average.

<sup>2</sup>The monthly average shall be calculated using the geometric mean.

<sup>3</sup>Facility may use either a colony forming unit (CFU) or most probably number (MPN) test method that is 40 CFR Part 136 approved.

<sup>4</sup>Temperature limit is required as long as the thermal system is in use. The permittee may request to cease temperature monitoring. After receiving written approval from the Department, the permittee may discontinue monitoring for temperature. See Part I.A.20 of the permit for additional information.

<sup>5</sup>A sampling event shall consist of eight (8) grab samples taken at equal intervals throughout the workday.

## PART I

### I.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

**I.A.14** During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002 (Soup Production Discharge Immediately Prior to Discharge into the Warren River). Such discharges shall be limited and monitored by the permittee as specified below:

| Effluent Characteristic                            | Discharge Limitations |               |                               |                |               | Monitoring Requirement |              |
|----------------------------------------------------|-----------------------|---------------|-------------------------------|----------------|---------------|------------------------|--------------|
|                                                    | Quantity – lbs./day   |               | Concentration – Specify Units |                |               | Measurement Frequency  | Sample Type  |
|                                                    | Average Monthly       | Maximum Daily | Average Monthly               | Average Weekly | Maximum Daily |                        |              |
| TKN (as N)                                         |                       |               | --- mg/L                      |                | --- mg/L      | 1/Week                 | 24-Hr. Comp. |
| Nitrate, Total (as N)                              |                       |               | --- mg/L                      |                | --- mg/L      | 1/Week                 | 24-Hr. Comp. |
| Nitrite, Total (as N)                              |                       |               | --- mg/L                      |                | --- mg/L      | 1/Week                 | 24-Hr. Comp. |
| Nitrogen, Total<br>(TKN + Nitrate + Nitrite, as N) | 33.7                  | ---           | 40.4 mg/L                     |                | --- mg/L      | 1/Week                 | 24-Hr. Comp. |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

**I.A.15** All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - 1) One hundred micrograms per liter (100 µg/L);
  - 2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitro-phenol; and one milligram per liter (1 mg/L) for antimony;
  - 3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR. §122.21(g)(7); or
  - 4) Any other notification level established by the Director in accordance with 40 CFR §122.44(f) and Rhode Island Regulations.
- b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - 1) Five hundred micrograms per liter (500 µg/L);
  - 2) One milligram per liter (1 mg/L) for antimony;
  - 3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR. §122.21(g)(7); or
  - 4) Any other notification level established by the Director in accordance with 40 CFR §122.44(f) and Rhode Island Regulations.
- c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product any toxic pollutant which was not reported in the permit application.

**I.A.16** The permittee shall analyze its effluent at outfall 002 for the EPA Priority Pollutants as listed in 40 CFR 122, Appendix D, Tables II and III and submit the results to the Department of Environmental Management within **one year of effective date of permit (XXX)**. The priority pollutant scan must be completed at the same time as the Species Sensitivity Study detailed in Part I.B of the permit. All sampling and analysis shall be done in accordance with EPA Regulations, including 40 CFR Part 136; grab and composite samples shall be taken as appropriate.

**I.A.17** This permit serves as the State's Water Quality Certificate for the discharge described herein.

**I.A.18** The permittee shall record the pounds of raw ingredients used per month in the production of soups at the facility, through daily inventory control calculations. The recorded pounds of raw ingredients shall include all liquid ingredients as well as all dry ingredients. This data shall be summarized and reported to the RIPDES program annually on January 15<sup>th</sup> for the previous calendar year.

**I.A.19 PFAS Monitoring**

Within **one hundred and eight (180) days** of the effective date of this permit, the permittee is required to take one grab sample from Outfall 002 to be analyzed for the PFAS parameters listed in Attachment A and report the analytical results to the DEM in hard copy. PFAS shall be analyzed

using Clean Water Act wastewater draft analytical method 1633 until a 40 CFR Part 136 approved test method for wastewater is approved.

#### **I.A.20 Special Thermal Study**

The permittee may request to discontinue the use of its thermal treatment system after completing a study that demonstrates that the discharge would meet permit limits without the use of the thermal treatment system. Prior to the start the study, the facility must submit to DEM a study plan that consists of twice weekly enterococci and temperature monitoring for sixty days at a sampling point prior to the thermal treatment system. DEM must approve this plan prior to the start of sampling. The monitoring data in its entirety shall be reported to the RIPDES Program within 105 days of the thermal study start date. The facility must continue to use the thermal treatment system unless and until DEM provides written notification that the thermal treatment system is no longer required.

#### **I.A.21 Oil and Grease Control Plan**

Within one hundred and eighty (180) days of the effective date of this permit, the permittee is required to submit a detailed oil and grease control plan to DEM. The plan must, at a minimum, include the following items: specific source identification and mapping, operational Best Management Practices and Standard Operating Procedures, employee training, and record keeping.

#### **I.B. SPECIES SENSITIVITY TESTING (WHOLE EFFLUENT TOXICITY)**

Within one (1) year (XXX) of the effective date of this permit, the permittee shall conduct a chronic species sensitivity screening for the discharge. Species sensitivity screening for chronic toxicity shall include, at minimum, chronic toxicity testing using 40 CFR Part 136 approved methods for mysid (*Mysidopsis bahia*), sea urchin (*Arbacia punctulata*), and fish (*Menidia beryllina*). Samples shall be obtained from the effluent collected from Outfall 002 (Soup Production Discharge Immediately Prior to Discharge into the Warren River).

##### **I.B.1 General**

The State may require additional screening, range finding, definitive acute or chronic bioassays as deemed necessary based on the submitted results. Indications of toxicity could result in requiring a Toxicity Reduction Evaluation (TRE) to investigate the causes and to identify corrective actions necessary to eliminate or reduce toxicity to an acceptable level.

##### **I.B.2 Test Frequency**

For one (1) sampling event, the permittee will conduct a seven-day chronic toxicity test on three (3) species listed below.

| Species                                  | Test Type                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------|
| Mysid ( <i>Mysidopsis bahia</i> ),       | Chronic (C-NOEC) and<br>Reproduction/Survival Acute Static (LC <sub>50</sub> ) |
| Sea Urchin ( <i>Arbacia punctulata</i> ) |                                                                                |
| Fish ( <i>Menidia beryllina</i> ).       |                                                                                |

##### **I.B.3 Testing Methods**

Chronic definitive toxicity tests shall be conducted in accordance with protocols listed in 40 CFR Part 136.

##### **I.B.4 Sample Collection**

For each sampling event, the effluent samples shall be collected on days 0, 3, and 5 of the 7-day exposure period. For each sampling day a flow proportioned composite final effluent sample collected over one discharge day shall be collected. The first sample is used for test initiation, Day 1, and for



test solution renewal on Day 2, The second sample would be used for test solution renewal on Days 3 and 4. The third sample would be used for test solution renewal on Days 5, 6, and 7.

In the laboratory, the sample will be split into two (2) subsamples, after thorough mixing, for the following:

- A: Priority Pollutant Scan and other Chemical Analyses
- B: Acute and Chronic Toxicity Testing

Day 3 and 5 samples will be held until test completion. If either the Day 3 or 5 renewal sample is of sufficient potency to cause lethality to 50% or more test organisms in any of the dilutions for either species, then a chemical analysis shall be performed on the appropriate samples as well.

All samples held overnight shall be refrigerated at 4°C. Grab samples must be used for pH and temperature.

#### **I.B.5 Salinity Adjustment**

Prior to the initiation of testing, the effluent must be adjusted to make the salinity of the effluent equal to that of the marine dilution water. The test solution must be prepared by adding non-toxic dried ocean salts to a sufficient quantity of 100% effluent to raise the salinity to the desired level. After the addition of the dried salts, stir gently for thirty (30) to sixty (60) minutes, preferably with a magnetic stirrer, to ensure that the salts are in solution. It is important to check the final salinity with a refractometer or salinometer. Salinity adjustments following this procedure and in accordance with EPA protocol will ensure that the concentrations (% effluent) of each dilution are real and allow for an accurate evaluation with the acute permit limit and acute monitoring requirements.

#### **I.B.6 Dilution Water**

Dilution water used for marine acute toxicity analyses should be of sufficient quality to meet minimum acceptability of test results (See Part I.B.7). Natural seawater shall be used as the dilution water. This water shall be collected from Narragansett Bay off the dock at the URI's Graduate School of Oceanography on South Ferry Road, Narragansett. It is noted that the University claims no responsibility for the personal safety on this dock. The permittee shall observe the rules posted at the dock. If this natural seawater diluent is found to be, or suspected to be toxic or unreliable, an alternate source of natural seawater or, deionized water mixed with hypersaline brine or artificial sea salts of known quality with a salinity and pH similar to that of the receiving water may be substituted AFTER RECEIVING WRITTEN APPROVAL FROM DEM.

#### **I.B.7 Effluent Toxicity Test Conditions for Mysids (*Mysidopsis bahia*), Sea Urchin (*Arbacia punctulata*), and Fish (*Menidia beryllina*)**

Test conditions are required to be compliant with 40 CFR 136 using the following effluent concentrations:

Five (5) dilutions plus a control: 100%, 50%, 25%, 12.5%, 6.25%, and 0% effluent.

#### **I.B.8 Priority Pollutant Scan and Chemical Analysis**

A priority pollutant scan shall be conducted at the same time as the Species Sensitivity Study (Part I.A.16). Additionally, the following chemical analysis shall be performed:

| Parameter                         | Effluent | Saline Diluent | Minimum Detection Limit (mg/L) |
|-----------------------------------|----------|----------------|--------------------------------|
| pH                                | √        | √              | --                             |
| Specific Conductance              | √        | √              | --                             |
| Total Solids and Suspended Solids | √        | √              | --                             |
| Total Ammonia                     | √        |                | 0.1                            |
| Total Organic Carbon              | √        |                | 0.5                            |
| Total Phenols                     | √        |                | 0.05                           |
| Salinity                          | √        | √              | PPT(0/00)                      |

The following chemical analyses shall be performed:

| Parameter            | Start of 24-Hour Exposure Period | End of 24-Hour Exposure Period |
|----------------------|----------------------------------|--------------------------------|
| Dissolved Oxygen     | √                                | √                              |
| Temperature          | √                                |                                |
| pH                   | √                                |                                |
| Specific Conductance | √                                |                                |
| Alkalinity           | √ <sup>1</sup>                   |                                |
| Hardness             | √ <sup>1</sup>                   |                                |

<sup>1</sup>Performed on 100% effluent on control samples only.

#### I.B.9 Toxicity Test Report Elements

A report of results will include the following:

- Description of sample collection procedures and site description.
- Names of individuals collecting and transporting samples, times, and dates of sample collection and analysis.
- General description of tests: age of test organisms, origin, dates and results of standard toxicant tests (quality assurance); light and temperature regime; dilution water description; other information on test conditions if different than procedures recommended.
- The method used to adjust the salinity of the effluent must be reported.
- All chemical and physical data generated (include detection limits).
- Raw data and bench sheets.
- Any other observations or test conditions affecting test outcome.

Toxicity test data shall include the following:

##### **Chronic**

- Daily survival of test organisms in the controls and all replicates in each dilution. Survival data should be analyzed by Fisher's Exact Test prior to analysis of reproduction data.
- Young per female for all replicates in each dilution for Mysidopsis and weight for minnow larvae.
- Dissolved oxygen, pH, specific conductance, and temperature for each dilution.

- Results of Dunnett's Procedure and/or other EPA recommended or approved methods for analyzing the data.
- C-NOEC = Chronic No Observed Effect Concentration
- LOEC = Lowest Observed Effect Concentration
- MATC = Maximum Allowable Toxicant Concentration

**Acute**

- Survival for each concentration and replication at time twenty-four (24) and forty-eight (48) hours.
- LC<sub>50</sub> and 95% confidence limits shall be calculated using one of the following methods in order of preference: Probit, Trimmed Spearman Karber, Moving Average Angle, or the graphical method. All printouts (along with the name of the program, the date, and the author(s)) and graphical displays must be submitted. When data is analyzed by hand, worksheets should be submitted. The report shall also include the No Observed Acute Effect Level (NOAEL) which is defined as the highest concentration of the effluent (in % effluent) in which 90% or more of the test animals survive.
- The Probit, Trimmed Spearman Karber, and Moving Average Angle methods of analyses can only be used when mortality of some of the test organisms are observed in at least two (2) of the (percent effluent) concentrations tested (i.e., partial mortality). If a test results in a 100% survival and 100% mortality in adjacent treatments ("all or nothing" effect), an LC<sub>50</sub> may be estimated using the graphical method.

**I.B.10 Special Condition**

Due to the fact that the suggested dilution water for this facility to use in conducting the bioassays is from the end of the dock at the URI's Narragansett Bay Campus, a Letter of Agreement must be signed and submitted to the Graduate School of Oceanography. Requests to use another source of dilution water will have to be approved by the Department of Environmental Management, Office of Water Resources.

**I.B.11 Most Sensitive Species**

If only a single species in the species sensitivity screening testing exceeds 1 chronic Toxic Unit (TUC) (as 100/NOEC), then that species shall be established as the most sensitive species. If there are more than one species that exceed 1 TUC (as 100/NOEC), then the species with the highest TUC (as 100/NOEC) shall be established as the most sensitive species. DEM shall have final discretion to determine which species is the most sensitive considering the test results from the species sensitivity screening.

- 1.B.12** The Species Sensitivity Screening Report shall be submitted to DEM in hard copy form within one (1) year (XXX) of the effective date of this permit.

**I.C OPERATION AND MAINTENANCE OF TREATMENT SYSTEM**

Operation and maintenance of the treatment system shall be in compliance with the General Requirements of Part II and the following terms and conditions:

**I.C.1 MAINTENANCE STAFF**

The permittee shall provide an adequate staff to carry out the operation, maintenance, repair, and testing functions required to ensure compliance with the terms and conditions of this permit.

#### **I.D DETECTION LIMITS**

All analyses of parameters under this permit must comply with the National Pollutant Discharge Elimination System (NPDES): Use of Sufficiently Sensitive Test Methods for Permit Applications and Reporting rule. Only sufficiently sensitive test methods may be used for analysis of parameters under this permit. The permittee shall assure that all wastewater testing required by this permit, is performed in conformance with the method detection limits listed below. In accordance with 40 CFR Part 136, EPA approved analysis techniques, quality assurance procedures and quality control procedures shall be followed for all reports required to be submitted under the RIPDES program. These procedures are described in "Methods for the Determination of Metals in Environmental Samples" (EPA/600/4-91/010) and "Methods for Chemical Analysis of Water and Wastes" (EPA/600/4-79/020).

The report entitled "Methods for the Determination of Metals in Environmental Samples" includes a test that must be performed in order to determine if matrix interferences are present, and a series of tests to enable reporting of sample results when interferences are identified. Each step of the series of tests becomes increasingly complex, concluding with the complete Method of Standard Additions analysis. The analysis need not continue once a result which meets the applicable quality control requirements has been obtained. Documentation of all steps conducted to identify and account for matrix interferences shall be submitted along with the monitoring reports.

If, after conducting the complete Method of Standard Additions analysis, the laboratory is unable to determine a valid result, the laboratory shall report "could not be analyzed". Documentation supporting this claim shall be submitted along with the monitoring report. If valid analytical results are repeatedly unobtainable, DEM may require that the permittee determine a method detection limit (MDL) for their effluent as outlined in 40 CFR Part 136, Appendix B.

Therefore, all sample results shall be reported as: an actual value, "could not be analyzed", less than the reagent water MDL, or less than an effluent specific MDL. The effluent specific MDL must be calculated using the methods outlined in 40 CFR Part 136, Appendix B. Samples which have been diluted to ensure that the sample concentration will be within the linear dynamic range shall not be diluted to the extent that the analyte is not detected. If this should occur the analysis shall be repeated using a lower degree of dilution.

When calculating sample averages for reporting on discharge monitoring reports (DMRs):

- a. "could not be analyzed" data shall be excluded, and shall not be considered as failure to comply with the permit sampling requirements;
- b. results reported as less than the MDL shall be included as zeros

### LIST OF TOXIC POLLUTANTS

The following list of toxic pollutants has been designated pursuant to Section 307(a)(1) of the Clean Water Act. The Method Detection Limits (MDLs) represent the required Rhode Island MDLs.

| <b>Volatiles - EPA Method 624</b>      |                            | <b>MDL µg/L (ppb)</b> | <b>Pesticides - EPA Method 608</b>   |                                          | <b>MDL µg/L (ppb)</b> |
|----------------------------------------|----------------------------|-----------------------|--------------------------------------|------------------------------------------|-----------------------|
| 1V                                     | acrolein                   | 10.0                  | 18P                                  | PCB-1242                                 | 0.289                 |
| 2V                                     | acrylonitrile              | 5.0                   | 19P                                  | PCB-1254                                 | 0.298                 |
| 3V                                     | benzene                    | 1.0                   | 20P                                  | PCB-1221                                 | 0.723                 |
| 5V                                     | bromoform                  | 1.0                   | 21P                                  | PCB-1232                                 | 0.387                 |
| 6V                                     | carbon tetrachloride       | 1.0                   | 22P                                  | PCB-1248                                 | 0.283                 |
| 7V                                     | chlorobenzene              | 1.0                   | 23P                                  | PCB-1260                                 | 0.222                 |
| 8V                                     | chlorodibromomethane       | 1.0                   | 24P                                  | PCB-1016                                 | 0.494                 |
| 9V                                     | chloroethane               | 1.0                   | 25P                                  | toxaphene                                | 1.670                 |
| 10V                                    | 2-chloroethylvinyl ether   | 5.0                   |                                      |                                          |                       |
| 11V                                    | chloroform                 | 1.0                   |                                      |                                          |                       |
| 12V                                    | dichlorobromomethane       | 1.0                   |                                      |                                          |                       |
| 14V                                    | 1,1-dichloroethane         | 1.0                   |                                      |                                          |                       |
| 15V                                    | 1,2-dichloroethane         | 1.0                   |                                      |                                          |                       |
| 16V                                    | 1,1-dichloroethylene       | 1.0                   |                                      |                                          |                       |
| 17V                                    | 1,2-dichloropropane        | 1.0                   |                                      |                                          |                       |
| 18V                                    | 1,3-dichloropropylene      | 1.0                   |                                      |                                          |                       |
| 19V                                    | ethylbenzene               | 1.0                   |                                      |                                          |                       |
| 20V                                    | methyl bromide             | 1.0                   |                                      |                                          |                       |
| 21V                                    | methyl chloride            | 1.0                   |                                      |                                          |                       |
| 22V                                    | methylene chloride         | 1.0                   |                                      |                                          |                       |
| 23V                                    | 1,1,2,2-tetrachloroethane  | 1.0                   |                                      |                                          |                       |
| 24V                                    | tetrachloroethylene        | 1.0                   |                                      |                                          |                       |
| 25V                                    | toluene                    | 1.0                   |                                      |                                          |                       |
| 26V                                    | 1,2-trans-dichloroethylene | 1.0                   |                                      |                                          |                       |
| 27V                                    | 1,1,1-trichloroethane      | 1.0                   |                                      |                                          |                       |
| 28V                                    | 1,1,2-trichloroethane      | 1.0                   |                                      |                                          |                       |
| 29V                                    | trichloroethylene          | 1.0                   |                                      |                                          |                       |
| 31V                                    | vinyl chloride             | 1.0                   |                                      |                                          |                       |
| <b>Acid Compounds - EPA Method 625</b> |                            | <b>MDL µg/L (ppb)</b> | <b>Base/Neutral - EPA Method 625</b> |                                          | <b>MDL µg/L (ppb)</b> |
| 1A                                     | 2-chlorophenol             | 1.0                   | 1B                                   | acenaphthene *                           | 1.0                   |
| 2A                                     | 2,4-dichlorophenol         | 1.0                   | 2B                                   | acenaphthylene *                         | 1.0                   |
| 3A                                     | 2,4-dimethylphenol         | 1.0                   | 3B                                   | anthracene *                             | 1.0                   |
| 4A                                     | 4,6-dinitro-o-cresol       | 1.0                   | 4B                                   | benzidine                                | 4.0                   |
| 5A                                     | 2,4-dinitrophenol          | 2.0                   | 5B                                   | benzo(a)anthracene *                     | 2.0                   |
| 6A                                     | 2-nitrophenol              | 1.0                   | 6B                                   | benzo(a)pyrene *                         | 2.0                   |
| 7A                                     | 4-nitrophenol              | 1.0                   | 7B                                   | 3,4-benzofluoranthene *                  | 1.0                   |
| 8A                                     | p-chloro-m-cresol          | 2.0                   | 8B                                   | benzo(ghi)perylene *                     | 2.0                   |
| 9A                                     | pentachlorophenol          | 1.0                   | 9B                                   | benzo(k)fluoranthene *                   | 2.0                   |
| 10A                                    | phenol                     | 1.0                   | 10B                                  | bis(2-chloroethoxy)methane               | 2.0                   |
| 11A                                    | 2,4,6-trichlorophenol      | 1.0                   | 11B                                  | bis(2-chloroethyl)ether                  | 1.0                   |
|                                        |                            |                       | 12B                                  | bis(2-chloroisopropyl)ether              | 1.0                   |
|                                        |                            |                       | 13B                                  | bis(2-ethylhexyl)phthalate               | 1.0                   |
|                                        |                            |                       | 14B                                  | 4-bromophenyl phenyl ether               | 1.0                   |
|                                        |                            |                       | 15B                                  | butylbenzyl phthalate                    | 1.0                   |
|                                        |                            |                       | 16B                                  | 2-chloronaphthalene                      | 1.0                   |
|                                        |                            |                       | 17B                                  | 4-chlorophenyl phenyl ether              | 1.0                   |
|                                        |                            |                       | 18B                                  | chrysene *                               | 1.0                   |
|                                        |                            |                       | 19B                                  | dibenzo (a,h)anthracene *                | 2.0                   |
|                                        |                            |                       | 20B                                  | 1,2-dichlorobenzene                      | 1.0                   |
|                                        |                            |                       | 21B                                  | 1,3-dichlorobenzene                      | 1.0                   |
|                                        |                            |                       | 22B                                  | 1,4-dichlorobenzene                      | 1.0                   |
|                                        |                            |                       | 23B                                  | 3,3'-dichlorobenzidine                   | 2.0                   |
|                                        |                            |                       | 24B                                  | diethyl phthalate                        | 1.0                   |
|                                        |                            |                       | 25B                                  | dimethyl phthalate                       | 1.0                   |
|                                        |                            |                       | 26B                                  | di-n-butyl phthalate                     | 1.0                   |
|                                        |                            |                       | 27B                                  | 2,4-dinitrotoluene                       | 2.0                   |
|                                        |                            |                       | 28B                                  | 2,6-dinitrotoluene                       | 2.0                   |
|                                        |                            |                       | 29B                                  | di-n-octyl phthalate                     | 1.0                   |
|                                        |                            |                       | 30B                                  | 1,2-diphenylhydrazine<br>(as azobenzene) | 1.0                   |
|                                        |                            |                       | 31B                                  | fluoranthene *                           | 1.0                   |
|                                        |                            |                       | 32B                                  | fluorene *                               | 1.0                   |
|                                        |                            |                       | 33B                                  | hexachlorobenzene                        | 1.0                   |
|                                        |                            |                       | 34B                                  | hexachlorobutadiene                      | 1.0                   |
|                                        |                            |                       | 35B                                  | hexachlorocyclopentadiene                | 2.0                   |
|                                        |                            |                       | 36B                                  | hexachloroethane                         | 1.0                   |
|                                        |                            |                       | 37B                                  | indeno(1,2,3-cd)pyrene *                 | 2.0                   |
|                                        |                            |                       | 38B                                  | isophorone                               | 1.0                   |
|                                        |                            |                       | 39B                                  | naphthalene *                            | 1.0                   |
|                                        |                            |                       | 40B                                  | nitrobenzene                             | 1.0                   |
|                                        |                            |                       | 41B                                  | N-nitrosodimethylamine                   | 1.0                   |
|                                        |                            |                       | 42B                                  | N-nitrosodi-n-propylamine                | 1.0                   |
|                                        |                            |                       | 43B                                  | N-nitrosodiphenylamine                   | 1.0                   |
|                                        |                            |                       | 44B                                  | phenanthrene *                           | 1.0                   |
|                                        |                            |                       | 45B                                  | pyrene *                                 | 1.0                   |
|                                        |                            |                       | 46B                                  | 1,2,4-trichlorobenzene                   | 1.0                   |
| <b>Pesticides - EPA Method 608</b>     |                            | <b>MDL µg/L (ppb)</b> | * Polynuclear Aromatic Hydrocarbons  |                                          |                       |
| 1P                                     | aldrin                     | 0.059                 |                                      |                                          |                       |
| 2P                                     | alpha-BHC                  | 0.058                 |                                      |                                          |                       |
| 3P                                     | beta-BHC                   | 0.043                 |                                      |                                          |                       |
| 4P                                     | gamma-BHC                  | 0.048                 |                                      |                                          |                       |
| 5P                                     | delta-BHC                  | 0.034                 |                                      |                                          |                       |
| 6P                                     | chlordan                   | 0.211                 |                                      |                                          |                       |
| 7P                                     | 4,4'-DDT                   | 0.251                 |                                      |                                          |                       |
| 8P                                     | 4,4'-DDE                   | 0.049                 |                                      |                                          |                       |
| 9P                                     | 4,4'-DDD                   | 0.139                 |                                      |                                          |                       |
| 10P                                    | dieldrin                   | 0.082                 |                                      |                                          |                       |
| 11P                                    | alpha-endosulfan           | 0.031                 |                                      |                                          |                       |
| 12P                                    | beta-endosulfan            | 0.036                 |                                      |                                          |                       |
| 13P                                    | endosulfan sulfate         | 0.109                 |                                      |                                          |                       |
| 14P                                    | endrin                     | 0.050                 |                                      |                                          |                       |
| 15P                                    | endrin aldehyde            | 0.062                 |                                      |                                          |                       |
| 16P                                    | heptachlor                 | 0.029                 |                                      |                                          |                       |
| 17P                                    | heptachlor epoxide         | 0.040                 |                                      |                                          |                       |

## OTHER TOXIC POLLUTANTS

### Required MDL µg/L (ppb)

|                                |      |
|--------------------------------|------|
| Antimony, Total                | 3.0  |
| Arsenic, Total                 | 1.0  |
| Beryllium, Total               | 0.2  |
| Cadmium, Total                 | 0.1  |
| Chromium, Total                | 5.0  |
| Chromium, Hexavalent           | 20.0 |
| Copper, Total                  | 20.0 |
| Lead, Total                    | 3.0  |
| Mercury, Total                 | 0.5  |
| Nickel, Total                  | 10.0 |
| Selenium, Total                | 5.0  |
| Silver, Total                  | 1.0  |
| Thallium, Total                | 5.0  |
| Zinc, Total                    | 20.0 |
| Asbestos                       | **   |
| Cyanide, Total                 | 10.0 |
| Phenols, Total                 | 50.0 |
| TCDD                           | **   |
| MTBE (Methyl Tert Butyl Ether) | 1.0  |
| Aluminum                       | 5.0  |

\*\* No Rhode Island Department of Environmental Management (RIDEM) MDL

### NOTE:

The MDL for a given analyte may vary with the type of sample. MDLs which are determined in reagent water may be lower than those determined in wastewater due to fewer matrix interferences. Wastewater is variable in composition and may therefore contain substances (interferents) that could affect MDLs for some analytes of interest. Variability in instrument performance can also lead to inconsistencies in determinations of MDLs.

To help verify the absence of matrix or chemical interference the analyst is required to complete specific quality control procedures. For the metals analyses listed above the analyst must withdraw from the sample two equal aliquots; to one aliquot add a known amount of analyte and then dilute both to the same volume and analyze. The unspiked aliquot multiplied by the dilution factor should be compared to the original. Agreement of the results within 10% indicates the absence of interference. Comparison of the actual signal from the spiked aliquot to the expected response from the analyte in an aqueous standard should help confirm the finding from the dilution analysis. (Methods for Chemical Analysis of Water and Wastes EPA-600/4-79/020).

For Methods 624 and 625 the laboratory must on an ongoing basis, spike at least 5% of the samples from each sample site being monitored. For laboratories analyzing 1 to 20 samples per month, at least one spiked sample per month is required. The spike should be at the discharge permit limit or 1 to 5 times higher than the background concentration determined in Section 8.3.2, whichever concentration would be larger. (40 CFR Part 136 Appendix B Method 624 and 625 subparts 8.3.1 and 8.3.11).

### I.E. MONITORING AND REPORTING

The monitoring program in the permit specifies sampling and analysis, which will provide continuous information on compliance and the reliability and effectiveness of the installed pollution abatement equipment. The approved analytical procedures found in 40 CFR Part 136 are required unless other procedures are explicitly required in the permit. The Permittee is obligated to monitor and report sampling results to the DEM within the time specified within the permit.

Unless otherwise specified in this permit, the permittee shall submit reports, requests, and information and provide notices in the manner described in this section.

**I.E.1 Submittal of DMRs Using NetDMR**

The permittee shall continue to submit its monthly monitoring data in discharge monitoring reports (DMRs) to DEM no later than the 15th day of the month electronically using NetDMR. When the permittee submits DMRs using NetDMR, it is not required to submit hard copies of DMRs to DEM.

**I.E.2 Submittal of Reports as NetDMR Attachments**

Unless otherwise specified in this permit, the permittee must submit electronic copies of documents in NetDMR that are directly related to the DMR. These include the following:

- a. DMR Cover Letters
- b. Below Detection Limit summary tables
- c. Monthly Operating Reports
- d. Production Reports per Part I.A.18 (January 15 of each year with the December DMR)

**I.E.3 Submittal of Requests and Report to DEM**

The following requests, reports, and information described in this permit shall be submitted to the DEM.

- a. Transfer of Permit Notice
- b. Request for Changes to Sampling Location
- c. Request for Reduction in Sampling Frequency
- d. Report on Unacceptable Dilution Water/Request for Alternative Dilution Water for WET Testing

These reports, information, and requests shall be submitted to DEM as hard copy to the following address:

Rhode Island Department of Environmental Management  
RIPDES Program  
235 Promenade Street  
Providence, Rhode Island 02908

**I.E.4 Submittal of Reports in Hard Copy Form:**

The following notifications and reports shall be submitted as hard copy with a cover letter describing the submission. These reports shall be signed and dated originals submitted to DEM.

- a. PFAS Monitoring per Part I.A.19 (within 180 days of effective date of permit)
- b. Outfall Inspection Report per Part I.C.2 (within 180 days of effective date of this permit)
- c. Oil and Grease Control Plan per Part I.A.22 (within 180 days of effective date of this permit)
- d. Priority Pollutant Scan Results per Part I.A.16 (within one year of effective date of permit)
- e. Species Sensitivity Report per Part I.B.12 (within one year of effective date of permit)

This information shall be submitted to DEM at the following address:

Rhode Island Department of Environmental Management  
RIPDES Program  
235 Promenade Street  
Providence, Rhode Island 02908

**I.E.5 Verbal Reports and Verbal Notifications**

Any verbal reports or verbal notifications, if required in Parts I and/or II of this permit, shall be made to the DEM. This includes verbal reports and notifications which require reporting within 24 hours. (See Part II.(I)(5) General Requirements for 24-hour reporting) Verbal reports and verbal notifications shall be made to DEM at (401) 222-4700 or (401) 222-3070 at night.

Part II

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## GENERAL REQUIREMENTS

### a) Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Chapter 46-12 of the Rhode Island General Laws and the Clean Water Act (CWA) and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

- (1) The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the CWA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- (2) The CWA provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the CWA is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307 or 308 of the Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment of not more than 1 year, or both.
- (3) Chapter 46-12 of the Rhode Island General Laws provides that any person who violates a permit condition is subject to a civil penalty of not more than \$5,000 per day of such violation. Any person who willfully or negligently violates a permit condition is subject to a criminal penalty of not more than \$10,000 per day of such violation and imprisonment for not more than 30 days, or both. Any person who knowingly makes any false statement in connection with the permit is subject to a criminal penalty of not more than \$5,000 for each instance of violation or by imprisonment for not more than 30 days, or both.

### b) Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The permittee shall submit a new application at least 180 days before the expiration date of the existing permit unless permission for a later date has been granted by the Director. (The Director shall not grant permission for applications to be submitted later than the expiration date of the existing permit.)

### c) Need to Halt or Reduce Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

### d) Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

### e) Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures, and, where applicable, compliance with DEM "Rules and Regulations Pertaining to the Operation and Maintenance of Wastewater Treatment Facilities" and "Rules and Regulations Pertaining to the Disposal and Utilization of Wastewater Treatment Facility Sludge." This provision requires the operation of back-up or auxiliary facilities or similar systems only when the operation is necessary to achieve compliance with the conditions of the permit.

### f) Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause, including but not limited to: (1) Violation of any terms or conditions of this permit; (2) Obtaining this permit by misrepresentation or failure to disclose all relevant facts; or (3) A change in any conditions that requires either a temporary or

permanent reduction or elimination of the authorized discharge. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

g) Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

h) Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

i) Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- (1) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (2) Have access to and copy, at reasonable times any records that must be kept under the conditions of this permit;
- (3) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and
- (4) Sample or monitor any substances or parameters at any location, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the CWA or Rhode Island law.

j) Monitoring and Records

- (1) Samples and measurements taken for the purpose of monitoring shall be representative of the volume and nature of the discharge over the sampling and reporting period.
- (2) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings from continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.
- (3) Records of monitoring information shall include:
  - (i) The date, exact place, and time of sampling or measurements;
  - (ii) The individual(s) who performed the sampling or measurements;
  - (iii) The date(s) analyses were performed;
  - (iv) The individual(s) who performed the analyses;
  - (v) The analytical techniques or methods used; and
  - (vi) The results of such analyses.
- (4) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136 and applicable Rhode Island regulations, unless other test procedures have been specified in this permit.
- (5) The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall upon conviction, be punished by a fine of not more than \$10,000 per violation or by imprisonment for not more than 6 months per violation or by both. Chapter 46-12 of the Rhode Island General Laws also provides

that such acts are subject to a fine of not more than \$5,000 per violation, or by imprisonment for not more than 30 days per violation, or by both.

(6) Monitoring results must be reported on a Discharge Monitoring Report (DMR).

(7) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR Part 136, applicable State regulations, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.

k) Signatory Requirement

All applications, reports, or information submitted to the Director shall be signed and certified in accordance with 250-RICR-150-10-1.12 of the Rhode Island Pollutant Discharge Elimination System (RIPDES) Regulations. Rhode Island General Laws, Chapter 46-12 provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$5,000 per violation, or by imprisonment for not more than 30 days per violation, or by both.

l) Reporting Requirements

(1) Planned changes. The permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility.

(2) Anticipated noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with the permit requirements.

(3) Transfers. This permit is not transferable to any person except after written notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under State and Federal law.

(4) Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.

(5) Twenty-four-hour reporting. The permittee shall immediately report any noncompliance which may endanger health or the environment by calling DEM at (401) 222-4700 or (401) 222-3070 at night.

A written submission shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The following information must be reported immediately:

- (i) Any unanticipated bypass which causes a violation of any effluent limitation in the permit; or
- (ii) Any upset which causes a violation of any effluent limitation in the permit; or
- (iii) Any violation of a maximum daily discharge limitation for any of the pollutants specifically listed by the Director in the permit.

The Director may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

(6) Other noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs (1), (2), and (5), of this section, at the time monitoring reports are submitted. The reports shall contain the information required in paragraph (l)(5) of the section.

- (7) Other information. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, they shall promptly submit such facts or information.

m) Bypass

"Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.

- (1) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (2) and (3) of this section.
- (2) Notice.
- (i) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten (10) days before the date of the bypass.
- (ii) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in 250-RICR-150-10-1.14(R) of the RIPDES Regulations.
- (3) Prohibition of bypass.
- (i) Bypass is prohibited, and the Director may take enforcement action against a permittee for bypass, unless:
- (A) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage, where "severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production;
- (B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
- (C) The permittee submitted notices as required under paragraph (2) of this section.
- (ii) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed above in paragraph (3)(i) of this section.

n) Upset

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

- (1) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of paragraph (2) of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- (2) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (i) An upset occurred and that the permittee can identify the cause(s) of the upset;
- (ii) The permitted facility was at the time being properly operated;
- (iii) The permittee submitted notice of the upset as required in 250-RICR-150-10-1.14(R) of the RIPDES Regulations; and
- (iv) The permittee complied with any remedial measures required under 250-RICR-150-10-1.14(E) of the RIPDES Regulations.

(3) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

o) Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. Discharges which cause a violation of water quality standards are prohibited. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different or increased discharges of pollutants must be reported by submission of a new NPDES application at least 180 days prior to commencement of such discharges, or if such changes will not violate the effluent limitations specified in this permit, by notice, in writing, to the Director of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

Until such modification is effective, any new or increased discharge in excess of permit limits or not specifically authorized by the permit constitutes a violation.

p) Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner consistent with applicable Federal and State laws and regulations including, but not limited to the CWA and the Federal Resource Conservation and Recovery Act, 42 U.S.C. §§6901 et seq., Rhode Island General Laws, Chapters 46-12, 23-19.1 and regulations promulgated thereunder.

q) Power Failures

In order to maintain compliance with the effluent limitation and prohibitions of this permit, the permittee shall either:

In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or if such alternative power source is not in existence, and no date for its implementation appears in Part I, Halt reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

r) Availability of Reports

Except for data determined to be confidential under paragraph (w) below, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the DEM, 235 Promenade Street, Providence, Rhode Island 02908. As required by the CWA, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the CWA and under Section 46-12-14 of the Rhode Island General Laws.

s) State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law.

t) Other Laws

The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, nor does it relieve the permittee of its obligation to comply with any other applicable Federal, State, and local laws and regulations.

u) Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

v) Reopener Clause

The Director reserves the right to make appropriate revisions to this permit in order to incorporate any appropriate effluent limitations, schedules of compliance, or other provisions which may be authorized under the CWA or State law. In accordance with 250-RICR-150-10-1.16 and 250-RICR-150-10-1.24 of the RIPDES Regulations, if any effluent standard or prohibition, or water quality standard is promulgated under the CWA or under State law which is more stringent than any limitation on the pollutant in the permit, or controls a pollutant not limited in the permit, then the Director may promptly reopen the permit and modify or revoke and reissue the permit to conform to the applicable standard.

w) Confidentiality of Information

- (1) Any information submitted to DEM pursuant to these regulations may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, DEM may make the information available to the public without further notice.
- (2) Claims of confidentiality for the following information will be denied:
  - (i) The name and address of any permit applicant or permittee;
  - (ii) Permit applications, permits and any attachments thereto; and
  - (iii) NPDES effluent data.

x) Best Management Practices

The permittee shall adopt Best Management Practices (BMP) to control or abate the discharge of toxic pollutants and hazardous substances associated with or ancillary to the industrial manufacturing or treatment process and the Director may request the submission of a BMP plan where the Director determines that a permittee's practices may contribute significant amounts of such pollutants to waters of the State.

y) Right of Appeal

Within thirty (30) days of receipt of notice of a final permit decision, the permittee or any interested person may submit a request to the Director for an adjudicatory hearing to reconsider or contest that decision. The request for a hearing must conform to the requirements of 250-RICR-150-10-1.50 of the RIPDES Regulations.

**DEFINITIONS**

1. For purposes of this permit, those definitions contained in the RIPDES Regulations, and the Rhode Island Pretreatment Regulations shall apply.
2. The following abbreviations, when used, are defined below.

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| cu. M/day or M <sup>3</sup> /day | cubic meters per day                                          |
| mg/L                             | milligrams per liter                                          |
| µg/L                             | micrograms per liter                                          |
| lbs/day                          | pounds per day                                                |
| kg/day                           | kilograms per day                                             |
| Temp. °C                         | temperature in degrees Centigrade                             |
| Temp. °F                         | temperature in degrees Fahrenheit                             |
| Turb.                            | turbidity measured by the Nephelometric Method (NTU)          |
| TNFR or TSS                      | total nonfilterable residue or total suspended solids         |
| DO                               | dissolved oxygen                                              |
| BOD                              | five-day biochemical oxygen demand unless otherwise specified |
| TKN                              | total Kjeldahl nitrogen as nitrogen                           |
| Total N                          | total nitrogen                                                |
| NH <sub>3</sub> -N               | ammonia nitrogen as nitrogen                                  |
| Total P                          | total phosphorus                                              |
| COD                              | chemical oxygen demand                                        |
| TOC                              | total organic carbon                                          |
| Surfactant                       | surface-active agent                                          |
| pH                               | a measure of the hydrogen ion concentration                   |
| PCB                              | polychlorinated biphenyl                                      |
| CFS                              | cubic feet per second                                         |
| MGD                              | million gallons per day                                       |
| Oil & Grease                     | Freon extractable material                                    |
| Total Coliform                   | total coliform bacteria                                       |
| Fecal Coliform                   | total fecal coliform bacteria                                 |
| mL/L                             | milliliter(s) per liter                                       |
| NO <sub>3</sub> -N               | nitrate nitrogen as nitrogen                                  |
| NO <sub>2</sub> -N               | nitrite nitrogen as nitrogen                                  |
| NO <sub>3</sub> -NO <sub>2</sub> | combined nitrate and nitrite nitrogen as nitrogen             |
| Cl <sub>2</sub>                  | total residual chlorine                                       |

Attachment A

PFAS Analyte List

| Target Analyte Name                              | Abbreviation | CAS Number  |
|--------------------------------------------------|--------------|-------------|
| <b>Perfluoroalkyl carboxylic acids</b>           |              |             |
| Perfluorobutanoic acid                           | PFBA         | 375-22-4    |
| Perfluoropentanoic acid                          | PFPeA        | 2706-90-3   |
| Perfluorohexanoic acid                           | PFHxA        | 307-24-4    |
| Perfluoroheptanoic acid                          | PFHpA        | 375-85-9    |
| Perfluorooctanoic acid                           | PFOA         | 335-67-1    |
| Perfluorononanoic acid                           | PFNA         | 375-95-1    |
| Perfluorodecanoic acid                           | PFDA         | 335-76-2    |
| Perfluoroundecanoic acid                         | PFUnA        | 2058-94-8   |
| Perfluorododecanoic acid                         | PFDoA        | 307-55-1    |
| Perfluorotridecanoic acid                        | PFTTrDA      | 72629-94-8  |
| Perfluorotetradecanoic acid                      | PFTeDA       | 376-06-7    |
| <b>Perfluoroalkyl sulfonic acids</b>             |              |             |
| <b>Acid Form</b>                                 |              |             |
| Perfluorobutanesulfonic acid                     | PFBS         | 375-73-5    |
| Perfluoropentanesulfonic acid                    | PFPeS        | 2706-91-4   |
| Perfluorohexanesulfonic acid                     | PFHxS        | 355-46-4    |
| Perfluoroheptanesulfonic acid                    | PFHpS        | 375-92-8    |
| Perfluorooctanesulfonic acid                     | PFOS         | 1763-23-1   |
| Perfluorononanesulfonic acid                     | PFNS         | 68259-12-1  |
| Perfluorodecanesulfonic acid                     | PFDS         | 335-77-3    |
| Perfluorododecanesulfonic acid                   | PFDoS        | 79780-39-5  |
| <b>Fluorotelomer sulfonic acids</b>              |              |             |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid      | 4:2FTS       | 757124-72-4 |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid      | 6:2FTS       | 27619-97-2  |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid      | 8:2FTS       | 39108-34-4  |
| <b>Perfluorooctane sulfonamides</b>              |              |             |
| Perfluorooctanesulfonamide                       | PFOSA        | 754-91-6    |
| N-methyl perfluorooctanesulfonamide              | NMeFOSA      | 31506-32-8  |
| N-ethyl perfluorooctanesulfonamide               | NEtFOSA      | 4151-50-2   |
| <b>Perfluorooctane sulfonamidoacetic acids</b>   |              |             |
| N-methyl perfluorooctanesulfonamidoacetic acid   | NMeFOSAA     | 2355-31-9   |
| N-ethyl perfluorooctanesulfonamidoacetic acid    | NEtFOSAA     | 2991-50-6   |
| <b>Perfluorooctane sulfonamide ethanols</b>      |              |             |
| N-methyl perfluorooctanesulfonamidoethanol       | NMeFOSE      | 24448-09-7  |
| N-ethyl perfluorooctanesulfonamidoethanol        | NEtFOSE      | 1691-99-2   |
| <b>Per- and Polyfluoroether carboxylic acids</b> |              |             |
| Hexafluoropropylene oxide dimer acid             | HFPO-DA      | 13252-13-6  |
| 4,8-Dioxa-3H-perfluorononanoic acid              | ADONA        | 919005-14-4 |
| Perfluoro-3-methoxypropanoic acid                | PFMPA        | 377-73-1    |
| Perfluoro-4-methoxybutanoic acid                 | PFMBA        | 863090-89-5 |
| Nonafluoro-3,6-dioxaheptanoic acid               | NFDHA        | 151772-58-6 |



| Target Analyte Name                                 | Abbreviation | CAS Number  |
|-----------------------------------------------------|--------------|-------------|
| <b>Ether sulfonic acids</b>                         |              |             |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid  | 9Cl-PF3ONS   | 756426-58-1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 11Cl-PF3OUdS | 763051-92-9 |
| Perfluoro(2-ethoxyethane)sulfonic acid              | PFEESA       | 113507-82-7 |
| <b>Fluorotelomer carboxylic acids</b>               |              |             |
| 3-Perfluoropropyl propanoic acid                    | 3:3FTCA      | 356-02-5    |
| 2H,2H,3H,3H-Perfluorooctanoic acid                  | 5:3FTCA      | 914637-49-3 |

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
235 PROMENADE STREET  
PROVIDENCE, RHODE ISLAND 02908-5767

**FACT SHEET**

RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES) PERMIT TO  
DISCHARGE TO WATERS OF THE STATE

**RIPDES PERMIT NO. RI0001121**

**NAME AND ADDRESS OF APPLICANT:**

BLOUNT FINE FOODS  
308 MARKET STREET  
WARREN, RHODE ISLAND 02885

**NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:**

BLOUNT FINE FOODS  
383 WATER STREET  
WARREN, RHODE ISLAND 02885

**RECEIVING WATER:** Warren River  
**WBID:** RI0007023E-01A  
**CLASSIFICATION:** SB1

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## **I. PROPOSED ACTION, TYPE OF FACILITY, AND DISCHARGE LOCATION**

The above-named applicant has applied to the Rhode Island Department of Environmental Management (DEM) for reissuance of a Rhode Island Pollutant Discharge Elimination System (RIPDES) Permit to discharge into the designated receiving water. The facility is engaged in the production of soups. The discharge consists of effluent generated from the production of soups.

The discharge to the Warren River is from the Blount Fine Foods (Blount) Treatment system at Outfall 002. The treated effluent from the production of soups is discharged into the Warren River. The discharge to the Warren River is through a 12-inch diameter pipe without diffusers. The discharge pipe penetrates through an existing sheet pile bulkhead located in water approximately 15 feet deep at Mean Low Water. The latitude / longitude coordinates of the outfall are 41.727167, -71.286111. The outfall is entirely submerged during all typical tidal cycles.

Blount has discontinued its use of the previous mussel storage system that circulated seawater around the mussels and purged the sand. It was equipped with a false bottom which allowed for settling of suspended solids. Blount has indicated that the facility does not plan to use the mussel storage system in the future; therefore, Outfall 001, from which mussel storage system effluent had been discharged, has been removed from the permit. Blount is no longer authorized to discharge from Outfall 001.

Site layout and process diagrams of the facility are shown in Attachments A and B respectively.

## **II. DESCRIPTION OF DISCHARGE**

A quantitative description of the discharge in terms of significant effluent parameters based on Discharge Monitoring Report (DMR) data from December 2010 to September 2025 is shown on Attachments C1 (December 2010-May 2021) and C2 (June 2021-September 2025). The wastewater generated from these processes is treated by bag filtration and equalization tanks at multiple steps, a Cavitation Air Flotation (CAF) separator system, and heat pasteurization before discharge to the Warren River via Outfall 002.

## **III. PERMIT LIMITATIONS AND CONDITIONS**

The final effluent limitations and monitoring requirements may be found in the permit.

## **IV. PERMIT BASIS AND EXPLANATION OF EFFLUENT LIMITATION DERIVATION**

### **Variances, Alternatives, and Justifications for Waivers of Application Requirements**

No variances or alternatives to required standards were requested or granted. No waivers were requested or granted for any application requirements per 40 CFR §122.21(j) or (q).

### **Facility Description**

Blount Fine Foods owns and operates a soup production facility located at 383 Water Street in Warren, RI. The discharge to the Warren River consists of treated wastewater from the soup production process.

Treatment consists of bag filtration and equalization tanks at multiple steps, a Cavitation Air Flotation (CAF) separator system, and heat pasteurization. A process flow diagram is attached as Attachment B.

Blount's most recent RIPDES permit, authorizing discharges from the above-mentioned facility, was issued on September 30, 2010. This permit became effective on December 1, 2010, and expired on December 1, 2015. The facility submitted an application for permit reissuance to the DEM on July 28, 2017. On June 8, 2018, DEM issued an application complete letter to the facility. In accordance with the Regulations for the Rhode Island Pollutant Discharge Elimination System (250-RICR-150-10-1.13), the facility's 2010 permit remains in effect. Once this permit is reissued, it will supersede the 2010 permit.

On September 14, 2011, the facility met with DEM to discuss consolidation of operations at the company's

Warren facility. In a December 4, 2013 letter, DEM issued a Partial Approval of the facility's Preliminary Engineering Report which indicated that DEM was willing to issue a conditional Order of Approval for the existing treatment system to treat Blount's soup production wastewater based on a "trigger" for submitting a treatment system design to address clam processing. The December 4, 2013 DEM letter stated that, until the revised treatment systems was designed, built, and made operational, Blount would not be authorized or process clams. On January 29, 2021, DEM wrote an email to the facility and on February 24, 2021 the facility requested an increase in the facility's plant effluent discharge from 35,000 gallons per day to 100,000 gallons per day, which was lower than the facility's 200,000 gallons per day maximum limit. DEM responded on February 25, 2021 via email requesting additional information from the facility. In a March 23, 2021 response email, the facility stated that although it was not processing clams, mussels, and other seafood at that time, the facility may do so in the future, and that its flows would not exceed 100,000 gallons per day. The facility requested an increase of its flow limits to 100,000 gallons per day. On May 7, 2021, DEM issued an Interim Approval Letter for Soup Production. This interim approval letter communicated to the facility that clam processing was no longer permissible under the facility's RIPDES permit.

### **Receiving Water Description**

The waterbody segment for the Warren River is RI0007023E-01A and is located in Barrington and Warren. This segment is delineated by the Warren River from the confluence with the Barrington and Palmer Rivers, approximately 2500 feet south of the East Bay Bike Path trestles, south to a line between the concrete jetty at the north end of the Warren Town Beach through Nun Buoy 18 and its extension to the Barrington Shore.

This segment of the Warren River has a Waterbody Classification of SB1. SB1 waters are designated for primary and secondary contact recreational activities and fish and wildlife habitat. They shall be suitable for aquacultural uses (other than shellfish for direct human consumption), navigation, and industrial cooling. These waters shall have good aesthetic value. Primary contact recreational activities may be impacted due to pathogens from approved wastewater discharges. However, all Class SB criteria must be met.

This waterbody segment is not listed as impaired on DEM's 2024 Integrated Report. Impaired waters include those waters where Total Maximum Daily Load (TMDLs) are required (i.e., Category 5 Waters or 303d List of Impaired Waters) and those where TMDLs are not required (i.e., Category 4 Waters). However, water from this segment flows into two nearby waterbody segments that are listed as impaired. The Palmer River (waterbody ID number RI0007022E-01A) is not supporting its Fish and Wildlife Habitat Use due to total nitrogen and dissolved oxygen impairments. The need for a TMDL plan for total nitrogen and dissolved oxygen will be determined after sufficient Palmer River data has been collected following Warren WWTF nitrogen removal upgrades. Additionally, this segment of the Palmer River is not supporting primary and secondary contact recreation and shellfish consumption uses due to Fecal Coliform impairments. A nearby segment of the Barrington River (waterbody ID number RI0007021E-001A) is not supporting its shellfish consumption use due to Fecal Coliform impairments. A TMDL for the Palmer River fecal coliform impairment was approved on May 15, 2002, and a TMDL for the Barrington River fecal coliform impairments was approved on September 30, 2002. Blount was found to have a negligible impact on fecal coliform impairments to these rivers during the relevant TMDL studies. Accordingly, the permit limit for Enterococci is a geometric mean concentration of 35 colonies per 100 mL, which is the Class SB1 water quality criterion (250-RICR-150-05-1.10(D)) for recreational use. Fecal coliform monitoring remains for continuity with past data sets and due to the adjacent shellfish harvesting areas.

### **Permit Limit Development**

The requirements set forth in this permit are from the State's Water Quality Regulations (250-RICR-150-05-1) and the State's Regulations for the Rhode Island Pollutant Discharge Elimination System (250-RICR-150-10-1), both filed pursuant to RIGL Chapter 46-12, as amended. RIDEM's primary authority over the permit comes from EPA's delegation of the program in September 1984 under the Federal Clean Water Act (CWA).

Development of RIPDES permit limitations is a multi-step process consisting of: determining if Federal Effluent Limitation Guidelines (ELGs) apply; calculation of allowable water quality-based discharge levels

based on instream criteria, background data, and available dilution; assigning appropriate Best Professional Judgement (BPJ) based limits; comparing existing and proposed limits; comparing discharge data to proposed limits; performing an antidegradation/antibacksliding analysis to determine the final permit limits; and evaluating the ability of the facility to meet the final permit effluent limits.

Water quality criteria are comprised of numeric and narrative criteria. Numeric criteria are scientifically derived ambient concentrations developed by EPA or the State for various pollutants of concern to protect human health and aquatic life. Narrative criteria are statements that describe the desired water quality goal. A water quality-based permit limit protects receiving water quality by ensuring that water quality standards are met. A technology-based limit is a numeric limit, which is determined by examining the capability of a treatment process to reduce or eliminate pollutants.

### ***Production Tier Development***

40 CFR 122.45(b)(2)(i) requires that “calculation of any permit limitations, standards, or prohibitions which are based on production (or other measure of operation) shall be based not upon the design production capacity but rather upon a reasonable measure of actual production of the facility”. Therefore, since DEM used Best Professional Judgement (BPJ)-based limits developed using the technology-based limits are based on production, the technology based allowable discharge levels must be based on a reasonable measure of actual production. It is important to note that, according to the EPA guidance document entitled Guidance Manual for the Use of Production Based Pretreatment Standards, and the Combined Wastestream Formula, the production rate should be based on the production per discharge day rather than production per production day. Since Blount does not discharge every day of every week during the calendar year, the production per discharge day is not equivalent to the production per calendar day. Therefore, production per discharge day is the basis for DEM’s calculation of the tiered limits found in the facility’s permit and is the basis for the production rate which the facility is to report on its DMRs. Table 1 includes the annual average production in lbs/day for each of the past four (4) years.

In determining the production/discharge day, DEM reviewed monthly production data submitted annually by the facility for calendar years 2021 through 2024, as well as the number of effluent discharge days for each month since DEM issued the interim approval for the discharge of effluent from soup production. DEM calculated the range of average daily soup production per discharge day for each month from June 2021 through December 2024. June 2021 was the first full month of soup production under the DEM May 7, 2021, authorization letter. The minimum, mean, and maximum of the average daily soup production per discharge day on a monthly basis were:

- Minimum: 53,958 lbs/day
- Mean: 98,352 lbs/day
- Maximum: 154,012 lbs/day

Table 1 Average Monthly Production (June 2021-2024)

| <b>Production Year</b> | <b>Annual Monthly Average (lbs/day)</b> |
|------------------------|-----------------------------------------|
| 2021 <sup>1</sup>      | 97,352.05                               |
| 2022                   | 97,952.78                               |
| 2023                   | 105,053.53                              |
| 2024                   | 100,128.63                              |

<sup>1</sup>Partial Year (June through December)

Based on the above minimum, mean, and maximum values, DEM established soup production tiers to which effluent limitations will be applied. Production tiers were set by first approximating the mean production value (98,352 lbs/day  $\approx$  100,000 lbs/day). Then, the range of values observed between the minimum and maximum production values were encompassed by 20% increments of the approximate mean production tier. Therefore, DEM set production tiers at 60,000 lbs/day, 80,000 lbs/day, 100,000 lbs/day, 120,000 lbs/day, 140,000 lbs/day, and >140,000 lbs/day. It was not necessary for DEM to set a 40,000 lbs/day production tier, because the minimum value of 53,958 lbs/day fell within the 40,000 lbs/day

and 60,000 lbs/day range.

### **Best Professional Judgement Based Pollutant Permit Limits**

#### **Flow Limits**

The basis for the facility's average monthly flow limit of 0.100 MGD at outfall 002 is a May 7, 2021, letter from DEM. This limit was based on discussions between Blount and DEM at the time that the facility switched from clam processing to soup processing. This correspondence is discussed in the Facility Description section above.

#### **BOD<sub>5</sub>, TSS, and Oil and Grease**

40 CFR Part 407 establishes Federal effluent guidelines for the Canned and Preserved Fruits and Vegetables Processing Point Source Category. Subpart H of 40 CFR Part 407 applies to the Canned and Miscellaneous Specialties Subcategory, which includes discharges resulting from the processing of soups. DEM has determined that this ELG does not apply to Blount because the ELG was developed for canned and preserved foods while Blount prepares soups that are not canned and that have shorter shelf lives than those for foods that are canned and preserved. Therefore, Blount is not subject to 40 CFR Part 407.82. However, DEM used the ELG to develop BPJ limits for BOD<sub>5</sub> and TSS. DEM used the section applicable to medium and large producers, which are defined as facilities that process more than 2,000 tons per year of raw material, and more than 10,000 tons per year of raw material, respectively. According to production data provided by the facility for the time period June 2021 to December 2024 (as shown in Attachment D1 of this Fact Sheet), the facility is a "large" source because it processes more than 10,000 tons of raw material per year.

Table 2 BOD and TSS Loading Rates Based on 40 CFR 407.82 Technology-Based Loading Rates

| Pollutant or<br>Pollutant<br>Property | Maximum for any 1<br>Day                    | Average of Daily<br>Values for 30<br>Consecutive Days<br>Shall Not Exceed | Annual Average<br>Shall Not Exceed <sup>1</sup> |
|---------------------------------------|---------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------|
|                                       | lb/1,000 lb of Raw Ingredients <sup>2</sup> |                                                                           |                                                 |
| BOD <sub>5</sub>                      | 4.14                                        | 2.46                                                                      | 1.69                                            |
| TSS                                   | 7.38                                        | 5.09                                                                      | 3.10                                            |

<sup>1</sup> The Annual Shall Not Exceed Limit is a rolling 12-month Average.

<sup>2</sup> It is specified in §407.82(a) that effluent limitations for the soups subcategory are based upon pounds pollutant per 1000 pounds (lb) of raw ingredients.

DEM did not apply the pH limit from 40 CFR 407.82 as a BPJ limit because the ELG limit was less stringent than the comparable limits established in the previous permit. Since the Clean Water Act prevents backsliding from limits established in a previous permit, the previous permit's limits were used for pH. pH is discussed further in a later section.

Additionally, DEM opted to use the oil and grease load limits from the previous permit instead of using the maximum daily concentration limit in 40 CFR Part 407.82. DEM found that the Development Document for 40 CFR Part 407.82 did not adequately document the basis for this limit. The previous Blount permits were effluent guidelines for Mechanized Clam Processing found in 40 CFR Part 408 Subpart X. In 1994, DEM determined that Blount could achieve a greater degree of pollutant removal for oil and grease than the removal required by the applicable federal effluent guidelines, Blount agreed to accept these more stringent discharge limits those in the ELG. Beginning with the 1994 permit, Blount has been subject to the oil and grease limits shown in Table 3. In the May 7, 2021 interim approval letter, DEM required Blount to use limits for production levels less than or equal to 115,000 pounds per day (i.e., the tiered limits from Part I.A.2 of Blount's 2010 permit). This limited oil and grease maximum daily loads at 230 lbs/day with an average monthly load of 106 lbs/day.

The pollutant discharge rates used to develop permit limits for the 2010 permit as shown below in Table 3.

Table 3 Pollutant Discharge Rates from the 2010 Permit

| Pollutant or Pollutant Property      | Maximum for any 1 Day<br>(lbs/1000 lbs)       | Average of Daily Values for 30 Consecutive Days Shall Not Exceed | Annual Average Shall Not Exceed |
|--------------------------------------|-----------------------------------------------|------------------------------------------------------------------|---------------------------------|
|                                      | lb/1,000 lb of Raw Ingredients                |                                                                  |                                 |
| <b>BOD<sub>5</sub></b> <sup>1</sup>  | 15                                            | ---                                                              | NA                              |
| <b>TSS</b> <sup>2</sup>              | 21                                            | 10                                                               | NA                              |
| <b>Oil and Grease</b> <sup>2,3</sup> | 2                                             | 0.92                                                             | NA                              |
| <b>pH</b> <sup>4</sup>               | At all times within the range 6.5 to 8.5 S.U. |                                                                  |                                 |

NA – Not Applicable (no limits)

--- Monitoring Only

<sup>1</sup> This limit was set in 1994 permit based on best professional judgement that the new source performance standards (40 CFR 408.245) could be achieved by the facility's discharge.

<sup>2</sup> These limits were implemented in the 1994 final permit due to the facility's demonstrated ability to comply with these limits.

<sup>3</sup> Limit capped at the 115,000 lbs/day tier (daily maximum limit of 230 lbs/day with a monthly average of 106 lbs/day).

<sup>4</sup> pH limits are based upon the Water Quality Regulations at (250-RICR-150-05-1.10.E.1)

Antibacksliding requirements, found at Section 402(o) of the Clean Water Act and discussed in a following section, prohibit the relaxation of effluent limits that are less stringent than limits in the previous permit. Therefore, the BOD and TSS limitations found in Table 2 were compared to the pollutant discharge rates used to determine limits in the previous permit.

The final pollutant discharge rates used to determine TSS, BOD, and Oil and Grease limits are outlined in the table below:

Table 4 Pollutant Discharge Rates for Current Permit

| Pollutant or Pollutant Property     | Maximum for any 1 Day<br>(lbs/1000 lbs)     | Average of Daily Values for 30 Consecutive Days Shall Not Exceed | Annual Average Shall Not Exceed <sup>1</sup> |
|-------------------------------------|---------------------------------------------|------------------------------------------------------------------|----------------------------------------------|
|                                     | lb/1,000 lb of Raw Ingredients <sup>2</sup> |                                                                  |                                              |
| <b>BOD<sub>5</sub></b> <sup>3</sup> | 4.14                                        | 2.46                                                             | 1.69                                         |
| <b>TSS</b> <sup>3</sup>             | 7.38                                        | 5.09                                                             | 3.10                                         |
| <b>Oil and Grease</b>               | 2 <sup>4</sup> or 230 lbs/day <sup>5</sup>  | 0.92 <sup>4</sup> or 106 lbs/day <sup>5</sup>                    |                                              |
| <b>pH</b>                           | At all times within the range 6.5 to 8.5    |                                                                  |                                              |

<sup>1</sup> The Annual Average is a rolling 12-month Average.

<sup>2</sup> It is specified in §407.82(a) that effluent limitations for the soups subcategory are based upon pounds pollutant per 1000 pounds (lb) of raw ingredient.

<sup>3</sup> The >140,000 lb of raw material productions tiers for BOD load values and TSS load values were calculated based upon 160,000 lb of raw material.

<sup>4</sup> Applicable to production tiers > 60,000; 60,000 to 80,000; and 80,000 to 100,000 pounds of raw material.

<sup>5</sup> Applicable to production tiers 100,000 to 120,000; 120,000 to 140,000; and >140,000 pounds of raw material. The load limits of 230 lbs/day and 106 lbs/day are from the May 7, 2021 interim approval letter as they are more stringent than those calculated using the pollutant discharge rates from the 2010 permit.

For more information on DEM's calculation of permit tiers and permit limits, please refer to Attachments D1 and D2 respectively.



### **Water Quality-Based Limits (WQBEL)**

Allowable effluent limitations were established on the basis of acute and chronic aquatic life criteria and human health criteria using the following: available instream dilution; an allocation factor; and background concentrations when available and/or appropriate. The aquatic life and human health criteria are specified in the Rhode Island Water Quality Regulations (250-RICR-150-05-1). Aquatic life criteria have been established to ensure the protection and propagation of aquatic life while human health criteria represent the pollutant levels that would not result in a significant risk to public health from ingestion of aquatic organisms. The more stringent of the two criteria was then used in establishing allowable effluent limitations. Details concerning the calculation of potential permit limitations, selection of factors, which influence their calculation, and the selection of final permit limitations are included below or in the attached documents. The facility's 2010 permit also contained WQBELs. The facility's first permit to contain WQBELs was issued in 1994.

### **Mixing Zones and Dilution Factors**

In order to evaluate the need for water quality-based limits, it is necessary to determine the mixing which occurs in the immediate vicinity of the discharge (initial dilution). In 1990, Applied Sciences Associates (ASA) completed a near-field and far-field dilution study around Outfall 002. The DEM had previously reviewed this dilution study and decided that the designation of the dilution zone is appropriate. The DEM has used the results of that study to determine the water quality-based permit limits. To determine water quality-based limits, a dilution of 290 has been used to establish the daily maximum permit limits and a dilution of 370 has been used to establish the monthly average permit limits.

These dilution factors were assigned by DEM after a review of the 1990 dilution study. The mixing zone dimensions are determined based upon EPA guidelines presented in the document entitled Technical Support Document for Water Quality Based Upon Toxics Control (EPA/505/2-90-001) or "TSD". The most stringent acute dilution factor was set at the most stringent (i.e. smallest) of the Criteria Maximum Concentration (CMC) values calculated in these ways:

1. The CMC must be met within 10% of the distance from the edge of the outfall structure to the edge of the regulatory mixing zone in any spatial direction. the RI Water Quality Regulations (250-RICR-150-05-1.10.B.5) establish mixing zones to  $\frac{1}{4}$  of the cross-sectional area of the river or on a case-by-case basis as determined by the Director.

Width of Warren River: 400 feet

$400 \times \frac{1}{4} = 100\text{-foot diameter}$

CMC:  $10\% \times 100\text{-foot diameter} = 10\text{-foot diameter or } 5\text{-foot radius}$

2. The CMC must be met within 50 times the discharge length scale in any spatial direction. The Discharge Length Scale (DLS) equals the square root of the cross-sectional area of the discharge outlet.

Diameter: 8 inches

$$DLS = \sqrt{\pi \times \frac{Diameter^2}{4}} = \sqrt{\pi \times \frac{8^2}{4}} = 7.088 \text{ inches}$$

CMC:  $50 \times DLS = 50 \times 7.088 \text{ inches} = 354.5 \text{ inches} = 29.4 \text{ feet}$

3. The CMC must be met within a distance of 5 times the local water depth in any horizontal direction.

Local Water Depth: 10 feet

CMC:  $5 \times 10 = 50 \text{ feet}$

Therefore, the most restrictive option surrounding the outfall is 10 feet as determined by Option 1. The acute mixing zone consists of a 10-foot diameter surrounding the outfall and the chronic mixing zone consists of a 100-foot diameter surrounding the outfall.<sup>1</sup>

---

<sup>1</sup> Blount Seafood Development Document. April 15, 1994. Appendix A.

Sampling data from the 1990 dilution study indicated that the minimum dilution within two meters (i.e., less than 10 feet) of the outfall boil is 290:1, and that the minimum dilution 100 feet from the outfall is 370:1. Therefore, to determine the water quality based limits, the dilution of 290 will be applied to the acute criteria to establish the daily maximum permit limits, and the dilution of 370 will be applied to the chronic criteria to establish the monthly average permit limits. Please refer to Attachment E for a Dye Study Map from the 2010 Development Document.

Using the above dilution factors, the allowable discharge limits were calculated as follows:

- a) Background concentration unknown or available data is impacted by sources that have not yet achieved water quality-based limits.

$$Limit_1 = (DF) * (Criteria) * (80\%)$$

Where: DF = acute or chronic dilution factor, as appropriate

- a) Using available background concentration data.

$$Limit_1 = (DF) * (Criteria) * 90\% - (Background) * (DF - 1)$$

Where: DF = acute or chronic dilution factor, as appropriate.

Since background data in the area of the discharge, was not available, water quality-based permit limits were calculated using equation (a) above. Reference Attachment F for calculations of allowable limits based on Aquatic Life and Human Health Criteria. A summary of Discharge Monitoring Report (DMR) data for the period December 2010-September 2025 and pollutants detected in the 2018 Priority Pollutant Scan are provided in Attachment G and Attachment H, respectively. Please note that Attachment G is segmented into Attachments G1 and G2, with G1 covering the time period December 2010-May 2021 (the time prior to DEM's approval of the facility's transition to soup production) and G2 covering the time period June 2021-September 2025 (the time period of the facility's beginning soup production). Attachment I is a summary comparison of the allowable limits versus the DMR data, 2018 Priority Pollutant Scan data, and permit application data.

The formulas and data noted above were applied with the following exceptions:

- I. Pollutants that, based on the acute and chronic dilution factors, have a higher allowable chronic limit than allowable acute limit. For this situation, both the "Monthly Average" and "Daily Maximum" limits were set at the allowable acute limit.
- II. Total residual chlorine. The limits for total residual chlorine (TRC) were established in accordance with the RIDEM Effluent Disinfection Policy. The "Monthly Average" and "Daily Maximum" were based on a 100% allocation, a zero background concentration, and the appropriate dilution factor(s). The 100% allocation factor for TRC was used due to the non-conservative nature of chlorine and the improbability of the receiving water having a detectable background TRC concentration.
- III. Pollutants with water quality based monthly average limits in the previous RIPDES permit. The relaxation of monthly average limits from the previous permit was restricted in accordance with the antibacksliding provisions of the Clean Water Act and the Policy on the Implementation of the Antidegradation Provisions of the Rhode Island Water Quality Regulations (250-RICR-150-05-1).

### **Wasteload Allocation**

In accordance with 40 CFR Part 122.4(d)(1)(iii), it is only necessary to establish limitations for those pollutants in the discharge which have the reasonable potential to cause or contribute to the exceedance of the in-stream criteria. Reasonable potential to cause an exceedance is determined using the dilution factors presented in the previous section as well as the saltwater aquatic life and non-Class AA human health criteria, from the Rhode Island Water Quality Regulations (250-RICR-150-05-1) to determine allowable discharge concentrations. Allowable discharge concentrations for all parameters in Attachment F were calculated using 80% allocation for pollutants without background data, 90% allocation for pollutants with background data, and 100% allocation of total residual chlorine (TRC) due to the fact that chlorine is

not expected to be found in ambient water, and it is a non-conservative pollutant.

When evaluating reasonable potential, the allowable discharge levels (potential permit limits) were compared to Discharge Monitoring Report (DMR) data, Priority Pollutant Scan data, and data provided in the permit application. Specifically, the mean of the monthly average DMR data, the average of the Priority Pollutant Scan data reported as greater than the detection limit, and the average concentration reported on the permit application, were compared to the “monthly average” allowable discharge concentrations, calculated using the chronic water quality criteria. Similarly, the mean of the daily maximum DMR data, the maximum of the Priority Pollutant Scan data, and the maximum reported in the permit application were compared to the “daily maximum” allowable discharge concentrations, calculated using the acute water quality criteria. For both these comparisons, DEM used DMR data collected since the 2010 permit became effective. When the effluent data (i.e., the DMR data, Priority Pollutant Scan data, and permit application data) exceeds fifty percent of the allowable discharge concentration, there is “reasonable potential”, and DEM assigns a water-quality-based permit limit. When the monitoring data is less than twenty-five percent of the allowable discharge concentration, there is not “reasonable potential”, and DEM does not assign a water-quality-based permit limit. While DEM does not typically assign a permit limit when data is between twenty-five and fifty percent of the allowable discharge concentration, a water-quality-based permit limit may be assigned if it is determined that one is needed to be protective of human health and/or aquatic life (e.g., there is a significant variability in effluent data). Based upon this evaluation, there were no specific chemicals identified as needing water quality-based limits.

### ***pH***

pH limits have been maintained to be protective of the water quality criteria for class SB1 waters in accordance with Rhode Island Water Quality Regulations (250-RICR-150-05-1).

### ***Temperature***

Temperature is limited in the Rhode Island Water Quality Regulations (250-RICR-150-05-1) such that discharges will not “exceed the recommended limit on the most sensitive receiving water use and in no case shall an activity cause the temperature to exceed 83 degrees F nor raise the normal temperature more than 1.6 degrees F, 16 June through September and not more than 4 degrees F from October through 16 June”. Based on a limit of 120 degrees F, taken from the previous permit, the resultant change in temperature is calculated by the equation listed below:

**Flow:**

Acute Dilution Factor: 290

**Temperature:**

Temperature Limit for Outfall 002 = 120°F

Instream Temperature - Summer = 70°F

Instream Temperature - Winter = 40°F

**Water Quality Limits** (Rhode Island Water Quality Regulations 250-RICR-150-05-1.10.D.1):

Net Instream Temperature Change - Winter = 4.0°F

Net Instream Temperature Change - Summer = 1.6°F

**Mass Balance:**

$$\text{Flow} \times (T_{\text{limit}}) + \text{Dilution Factor} \times \text{Flow} \times (T_{\text{instream}}) = (\text{Flow}) \times (\text{Dilution Factor} + 1) \times (T_{\text{instream}} + \Delta T)$$

Where: Flow – Max permitted flow at Outfall 002 – 0.100 MGD  
 Dilution Factor = Acute Dilution Factor = 290  
 $T_{\text{limit}}$  = Proposed Permit Limit for Temperature = 120°F  
 $T_{\text{instream}}$  = Instream Ambient Temperature  
 Summer = 70°F  
 Winter = 40°F

$\Delta T$  = Net Change in Temperature

Case 1 - Summer Months

$$(0.100 \text{ MGD})(120^\circ\text{F}) + (0.100 \text{ MGD})(290)(70^\circ\text{F}) = (0.100 \text{ MGD})(290+1)(70^\circ\text{F} + \Delta T)$$

$$\Delta T = 0.17^\circ\text{F} \leq 1.6^\circ\text{F} - \text{Proposed limit increase meets Water Quality Regulations}$$

Case 2 - Winter Months

$$(0.100 \text{ MGD})(120^\circ\text{F}) + (0.100 \text{ MGD})(290)(40^\circ\text{F}) = (0.100 \text{ MGD})(290+1)(40^\circ\text{F} + \Delta T)$$

$$\Delta T = 0.27^\circ\text{F} \leq 4.0^\circ\text{F} - \text{Proposed limit increase meets Water Quality Regulations}$$

Since the instream temperature changes (0.27 degrees F in the summer and 0.17 degrees F in the winter) are less than those allowed by the water quality criteria (summer 1.6 degrees F, winter 4.0 degrees F), the temperature limit of 120 degrees F, that was established in the previous permit, is protective of the water quality criteria and has been applied to outfall 002.

The temperature limit is required as long as the thermal system is in use. The facility may request to stop using the thermal disinfection system after completing a study of bacteria concentrations in the effluent prior to use of the thermal system. The study must consist of twice weekly enterococci monitoring for sixty days. Temperature samples of treatment system influent shall also be taken at the time the bacteria samples are collected. DEM must provide written approval before the temperature monitoring can be stopped. More details are included in the permit at Table I.A.13 and Section I.A.21 as well in the Operations and Maintenance section below.

**Bacteria**

Table 10.E.1 of the RI Water Quality Regulations (RICR 250-RICR-150-05-1) includes enterococci criteria for primary contact/swimming of a geometric mean of 35 colonies/100 mL and a single sample maximum of 104 colonies/100mL. The “single sample maximum” value is only used to evaluate swimming advisories at designated public beaches and does not apply to the receiving water in the area of the outfall. EPA’s November 12, 2008 memorandum regarding “Initial Zones of Dilution for Bacteria in Rivers and Streams Designated for Primary Contact Recreation” clarifies that it is not appropriate to use dilution for bacteria criteria in receiving waters that are designated for primary contact recreation. Therefore, because the receiving water is designated for primary contact recreation, the DEM had assigned a monthly average Enterococci limit of 35 colonies/100mL. The daily maximum enterococci limit had been set at the 90% upper confidence level value for “lightly used full body contact recreation” of 276 colonies/100mL. The frequency of enterococci monitoring is twice per week throughout the year.

Fecal Coliform monitoring has been maintained to ensure that the discharge from the WWTF is providing treatment that is comparable to historical treatment levels. Additionally, fecal coliform monitoring will ensure that the discharge not have an impact on any areas designated for shellfish harvesting outside of the immediate vicinity of the outfall. Fecal coliform monitoring has been decreased from once per day between May and October to once per week. Fecal coliform monitoring continues to be once per week between November and April.

**Nutrients**

The effluent monitoring requirements have been specified in accordance with the RIPDES Regulations

(250-RICR-150-10-1) as well as 40 CFR 122.41 (j), and 122.48 to yield data representative of the discharge.

As mentioned previously, the Palmer River is not supporting its Fish and Wildlife Habitat Use due to total nitrogen and dissolved oxygen impairments. The Warren WWTF and Blount both have RIPDES permits authorizing them to discharge into the Warren River. Based on dye studies, DEM determined that effluent from these facilities enter the Palmer River within one hour on the flood tide. Therefore, the discharge from these facilities is pertinent to the Palmer River.

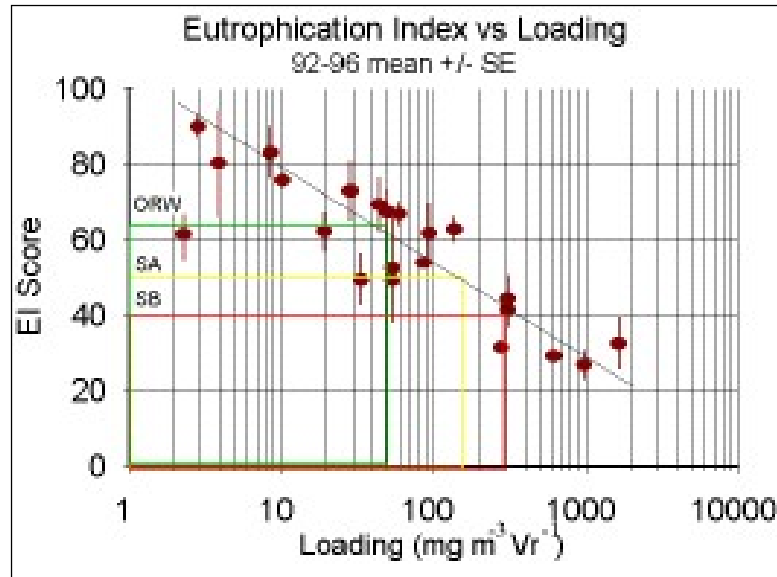
In the mid-1990s, DEM conducted an intensive water quality study in the Palmer River as part of an investigation into Palmer River impairments. The study consisted of six high and low tide surveys with water quality samples analyzed for bacteria and nutrients as well as water column profiling for salinity, temperature and dissolved oxygen. Macro-algae were collected for identification and to estimate density.

The DEM water quality study reinforced the conclusions of an earlier study conducted by Blount that found that oxygen levels rise in the morning after sunrise due to plant respiration. Plant respiration during daylight hours elevates oxygen levels above saturation and, at levels seen in the Palmer River, it is indicative of eutrophication. Additional signs of eutrophication in the Palmer River include excessive growth of green macroalgae and high phytoplankton as seen in elevated chlorophyll *a* concentrations in the water column. Excessive macroalgae growth, elevated phytoplankton, and super-saturated dissolved oxygen concentrations during daylight hours demonstrate that the Palmer River is eutrophic from excessive amounts of nitrogen entering the system. Therefore, to address the Palmer River's impairments, it is necessary that the amount of nitrogen discharged to the River be controlled.

DEM used a methodology developed by the Buzzards Bay Program (BBP) in Massachusetts to determine the allowable nitrogen load that could be assimilated in the Palmer River without causing eutrophic conditions. The BBP developed empirical relationships between nitrogen loadings and eutrophication response from observations made in a number of estuaries. The BBP approach uses land use information to estimate nitrogen loads and offers advantages for use in Rhode Island based on physical and biological similarities that make the use of the loading - estuarine response relationships for Buzzards Bay appropriate in the Palmer River.

The BBP developed a Eutrophication Index (EI) to assist in determining the level of nutrient enrichment a waterbody is experiencing at any given time. The EI uses water quality data including oxygen saturation levels, secchi depth, dissolved organic nitrogen, chlorophyll and total organic nitrogen, assigns them a score which is then translated into the EI. The EI uses a scale of 0 to 100 points where 0 equals the most eutrophic and 100 is equivalent to a pristine waterbody. The BBP estimated that an appropriate EI value for Outstanding Natural Resource Waters (ONRW) is 65. Since the Palmer River is designated as a Special Resource Protection Water, whose designated uses are essentially equivalent to those of ONRWs, it should have an EI of 65 or better. Two sampling stations were established in the Palmer River and the results indicate that the Palmer River is eutrophic with an EI score of 32. This supports the need to reduce nitrogen discharges to the Palmer River.

A relationship between the nitrogen loading rate and EI from the BBP is presented below. As the figure shows, the environmental response is a function of the loading rate per unit estuary volume. Acceptable loading rates for ONRWs are  $50 \text{ mg m}^{-3} \text{ Vr}^{-1}$  where  $\text{Vr}$  is the Vollenweider flushing term.



The calculation for annual load is:

$$\text{Annual Load} \left( \frac{\text{kg}}{\text{year}} \right) = \frac{\text{Loading Rate} \times \text{Volume at Half Tide} (\text{m}^3) \times (1 + \tau_w^{1/2})}{\tau_w \times 1,000,000}$$

Where  $\tau_w$  is the hydraulic turnover time in years and the Vollenweider flushing term is  $\frac{\tau_w}{1 + \tau_w^{1/2}}$ .

For the Palmer River, with a flushing time of 17.88 hours, a mean volume of  $3.13 \times 10^6 \text{ m}^3$ , and an allowable loading rate of  $50 \text{ mg m}^{-3} \text{ Vr}^{-1}$ , the corresponding nitrogen assimilative capacity of the Palmer River is 80,011 kg/yr. DEM used the annual allowable total nitrogen load for the Palmer River to calculate an allowable seasonal total nitrogen loads for Blount as 5,636 kg for May through October and 12,887 kg for November through April. These allowable seasonal nitrogen loads were converted into monthly average load limits of 67.4 lbs/day for May 1 through October 31 and 156.6 lbs/day for November 1 through April 30 in Blount's September 30, 2010 permit. The load limits were used to determine total nitrogen concentration limits of 40.4 mg/L from May 1 through October 31 and 93.9 mg/L for November 1 through April 30 at the maximum daily flow limit of 0.2 MGD in the facility's September 30, 2010 permit. A document, entitled *Evaluation of Nitrogen Targets and Load Reductions for the Palmer River*, includes a more in-depth discussion of the above analysis is available from the DEM upon request. The facility appealed the 2010 permit, and the July 27, 2011 Consent Agreement that resulted from the facility's permit appeal included year-round monitoring for Total Nitrogen without limits for concentration or load.

This permit maintains the summer total nitrogen monthly average concentration limit of 40.4 mg/L and applies this limit year-round. Additionally, since DEM reduced the permitted daily maximum flow, the average monthly total nitrogen load has also been reduced proportional to this decrease. The permit now allows Blount to discharge an average monthly load of 33.7 lbs/day. DEM reviewed the DMR data submitted by Blount and determined that the facility can meet this limit.

### **Other Monitoring**

#### **Settleable Solids**

Settleable Solids monitoring has been included as a process-control parameter that can aid in the assessment of the operation of the plant but does not need to have an effluent limit.

#### **Priority Pollutants**

The DEM included a requirement that the permittee conduct a priority pollutant scan for EPA Priority Pollutants listed in 40 CFR 122, Appendix D, Tables II and III, and submit the results of the scan within one

year of the effective date of the permit in accordance with Part I.A.16 of the permit. The priority pollutant scan must be completed at the same time as the Species Sensitivity Study detailed in Part I.B of the permit.

### ***Species Sensitivity Testing (WET Testing)***

The biomonitoring requirements are set forth in 40 CFR 131.11 and in the State's Water Quality Regulations (250-RICR-150-05-1.10.B.1) containing narrative conditions state, at a minimum, all waters shall be free of pollutants in concentrations or combinations or from anthropogenic activities subject to these regulations that: adversely affect the composition of fish and wildlife; adversely affect the physical, chemical, or biological integrity of the habitat; interfere with the propagation of fish and wildlife; adversely alter the life cycle functions, uses, processes, and activities of fish and wildlife; or adversely affect human health. To determine compliance with these conditions, Section I.B.12. of the permit contains a requirement for a Species Sensitivity Screening Report to be submitted within one (1) year of the effective date of this permit. DEM will use the results of this testing to determine whether future permits will require regular whole effluent toxicity (WET) testing.

### ***Emerging Contaminants***

Per- and polyfluoroalkyl substances (PFAS) are a group of synthetic chemicals that have been in use since the 1940s. They are found in a wide array of consumer and industrial products. PFAS manufacturing and processing facilities, facilities using PFAS in production of other products, airports, and military installations can be contributors of PFAS releases into the air, soil, and water. Due to their widespread use and persistence in the environment, most people in the United States have been exposed to PFAS. Exposure to some PFAS above certain levels may increase risk of adverse health effects<sup>2</sup>. DEM is collecting information to evaluate the potential impacts that discharges of PFAS may have on downstream uses, which can include drinking water, recreational and aquatic life uses depending on the receiving water.

Since PFAS chemicals are persistent in the environment and may lead to adverse human health and environmental effects, the Permit requires that the facility conduct one effluent sampling for PFAS chemicals using draft EPA Method 1633. The purpose of this monitoring and reporting requirement is to better understand potential discharges of PFAS from this facility and to inform future permitting decisions, including the potential development of water quality-based effluent limits on the facility-specific basis. DEM is authorized to require this monitoring and reporting by CWA § 308(a), which states:

“SEC. 308. (a) Whenever required to carry out the objective of this Act, including but not limited to (1) developing or assisting in the development of any effluent limitation, or other limitation, prohibition, or effluent standard, pretreatment standard, or standard of performance under this Act; (2) determining whether any person is in violation of any such effluent limitation, or other limitation, prohibition or effluent standard, pretreatment standard, or standard of performance; (3) any requirement established under this section; or (4) carrying out sections 305, 311, 402, 404 (relating to State permit programs), 405, and 504 of this Act –

- a. The Administrator shall require the owner or operator of any point source to (i) establish and maintain such records, (ii) make such reports, (iii) install, use, and maintain such monitoring equipment or methods (including where appropriate, biological monitoring methods), (iv) sample such effluents (in accordance with such methods, at such locations, at such intervals, and in such manner as the Administrator shall prescribe), and (v) provide such other information as he may reasonably require...”

Since an EPA method for sampling and analyzing PFAS in wastewater is not currently available, the permit requires that PFAS be analyzed using draft EPA method 1633 until a 40 CFR Part 136 approved test method for wastewater is made available to the public. This approach is consistent with 40 CFR § 122.44(i)(1)(iv)(b) which states that in the case of pollutants or pollutant parameters for which there are no approved methods under 40 CFR Part 136 or methods are not otherwise required under 40 CFR chapter I, subchapter N or O, monitoring shall be conducted according to a test procedure specified in the permit for

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<sup>2</sup> EPA, *EPA's Per- and Polyfluoroalkyl Substances (PFAS) Action Plan*, EPA 823R18004, February 2019.  
[http://www.epa.gov/sites/production/files/201902/documents/pfas\\_action\\_plan\\_021319\\_508compliant\\_1.pdf](http://www.epa.gov/sites/production/files/201902/documents/pfas_action_plan_021319_508compliant_1.pdf)

such pollutants or pollutant parameters.

The submittal of reporting for the listed PFAS parameter is due within 180 days of effective date of permit. The PFAS Analytes that are required to be reported are listed in Attachment A of the permit.

### ***Annual Production Reporting***

A requirement for Annual Production Reporting has been maintained from the 2010 Permit. The details of this requirement can be found in Part I.A.18. of the Permit.

### ***Antibacksliding and Antidegradation***

Provided below is a brief introduction to Antibacksliding and Antidegradation, as well as a discussion on how the two policies were used to calculate water quality-based limits.

#### ***Antibacksliding***

Antibacksliding restricts the level of relaxation of water quality-based limits from the previous permit. Section 303(d)(4) of the Clean Water Act addresses antibacksliding as the following:

1. Standards not attained – For receiving waters that have not attained the applicable water quality standards, limits based on a TMDL or WLA can only be revised if the water quality standards will be met. This may be done by (i) determining that the cumulative effect of all such revised limits would assure the attainment of such water quality standards; or (ii) removing the designated use which is not being attained in accordance with regulations under Section 303.
2. Standards attained – For receiving waters achieving or exceeding applicable water quality standards, limits can be relaxed if the revision is consistent with the State's Antidegradation Policy.

Therefore, in order to determine whether backsliding is permissible, the first question that must be asked is whether or not the receiving water is attaining the water quality standard. The Office has determined the most appropriate evaluation of existing water quality is by calculating pollutant levels, which would result after the consideration of all currently valid RIPDES permit limits or historic discharge data (whichever is greater), background data (when available), and any new information (i.e., dilution factors).

#### ***Antidegradation***

The DEM's "*Policy on the Implementation of the Antidegradation Provisions of the Rhode Island Water Quality Regulations July 2006*" (the Policy) established four tiers of water quality protection:

**Tier 1.** In all surface waters, existing uses and the level of water quality necessary to protect the existing uses shall be maintained and protected.

**Tier 2.** In waters where the existing water quality criteria exceeds the levels necessary to support the propagation of fish and wildlife and recreation in and on the water, that quality shall be maintained and protected except for insignificant changes in water quality as determined by the Director and in accordance with the Antidegradation Implementation Policy, as amended. In addition, the Director may allow significant degradation, which is determined to be necessary to achieve important economic or social benefits to the State in accordance with the Antidegradation Policy.

**Tier 2½.** Where high quality waters constitute Special Resource Protection Waters SRPWs<sup>3</sup>, there shall be no measurable degradation of the existing water quality necessary to protect the characteristics which cause the waterbody to be designated a SRPW. Notwithstanding that all public drinking water supplies are SRPWs, public drinking water suppliers may undertake temporary and short-term activities within the boundary perimeter of a public drinking water supply impoundment for essential maintenance or to address emergency conditions in order to prevent adverse effect on public

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<sup>3</sup> SRPWs are surface waters identified by the Director as having significant recreational or ecological uses.



health or safety. These activities must comply with the requirements set forth in Tier 1 and Tier 2.

**Tier 3.** Where high quality waters constitute an Outstanding Natural Resource ONRWs<sup>4</sup>, that water quality shall be maintained and protected. The State may allow some limited activities that result in temporary or short-term changes in the water quality of an ONRW. Such activities must not permanently degrade water quality or result in water quality lower than necessary to protect the existing uses in the ONRW.

The formulas previously presented ensure that permit limitations are based upon water quality criteria and methodologies established to ensure that all designated uses will be met.

In terms of the applicability of Tier 2 of the Policy, a water body is assessed as being high quality on a parameter-by-parameter basis. In accordance with Part II of the Policy, "Antidegradation applies to all new or increased projects or activities which may lower water quality or affect existing water uses, including but not limited to all 401 Water Quality Certification reviews and any new, reissued, or modified RIPDES permits." Part VI.A of the Policy indicates that it is not applicable to activities which result in insignificant (i.e., short-term minor) changes in water quality and that significant changes in water quality will only be allowed if it is necessary to accommodate important economic and social development in the area in which the receiving waters are located (important benefits demonstration). Part VI.B.4 of the Policy states that: "Theoretically, any new or increased discharge or activity could lower existing water quality and thus require the important benefits demonstration. However, DEM will: 1) evaluate applications on a case-by-case basis, using BPJ and all pertinent and available facts, including scientific and technical data and calculations as provided by the applicant; and 2) determine whether the incremental loss is significant enough to require the important benefits demonstration described below. [If not then as a general rule DEM will allocate no more than 20%.] Some of the considerations which will be made to determine if an impact is significant in each site specific decision are: 1) percent change in water quality parameter value and their temporal distribution; 2) quality and value of the resource; 3) cumulative impact of discharges and activities on water quality to date; 4) measurability of the change; 5) visibility of the change; 6) impact on fish and wildlife habitat; and 7) impact on potential and existing uses. As a general guide, any discharge or activity which consumes greater than 20% of the remaining assimilative capacity may be deemed significant and invoke full requirements to demonstrate important economic or social benefits."

In terms of a RIPDES permit, an increased discharge is defined as an increase in any limitation, which would result in an increased mass loading to a receiving water. The baseline for this comparison would be the monthly average mass loading established in the previous permit. It would be inappropriate to use the daily maximum mass loading since the Policy is not applicable to short-term changes in water quality.

For the purposes of ensuring that the revised limit is consistent with the requirements of antidegradation, existing water quality must be defined. As explained earlier, DEM evaluates existing water quality by determining the pollutant levels which would result under the design conditions appropriate for the particular criteria (i.e., background water quality, when available and/or appropriate, non-point source inputs; and existing RIPDES permit limitations or recent historical discharge data, whichever is higher). In general, available data would be used to make this determination.

Use the above-mentioned criteria, the present instream water quality  $C_p$  is defined as:

$$C_p = \frac{(DF - 1) \cdot C_b + (1 \cdot C_d)}{DF}$$

where:  $C_b$  = background concentration<sup>5</sup>

$C_d$  = discharge data<sup>6</sup>

DF = dilution factor

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<sup>4</sup> ONRWs are a special subset of high-quality water bodies, identified by the State as having significant recreational or ecological water uses.

<sup>5</sup> Data collected at a location that is unimpacted by significant point source discharges.

<sup>6</sup> Discharge data refers to the maximum of the permit limit or the historic discharge level. The historic discharge level

In this permit, all monthly average limitations are either the same as or more stringent than the limits in the 2010 permit. Therefore, the limits contained in this permit are consistent with the Department's anti-degradation policy.

## Operations and Maintenance

### Outfall Inspection

In May 2026, Blount replaced its existing discharge pipe. Blount received a permit to complete this work from the Coastal Resources Management Council (CRMC) under file number 2025-12-048. Blount submitted photos and the name of the company that completed the work to DEM. Since the outfall has been replaced, further inspection is not required at this time.

### Oil and Grease Control Plan

Per Part I.A.21, Blount must submit a detailed oil and grease control plan to DEM within **one hundred and eighty days of the effective date of this permit**. The intent of an oil and grease control plan is to ensure that the facility is discharging consistent concentrations of oil and grease with the maximum amount of removal. The control plan must, at a minimum, include the following items: specific source identification and mapping, operational Best Management Practices and Standard Operating Procedures, employee training, and record keeping.

### Thermal Treatment System

The facility currently operates a thermal treatment system that was the required treatment when the permittee processed clams. With the switch to soup processing, the facility has inquired about the steps that would be required by DEM to discontinue the use of the thermal treatment system. As described in Section I.A.20 of the permit, the permittee may request to discontinue the use of the thermal treatment system after completing a study that demonstrates that the discharge would meet permit limits without the use of this the thermal treatment system. Prior to the start the study, the facility must submit to DEM a study plan that consists of twice weekly enterococci and temperature monitoring for sixty days at a sampling point prior to the thermal treatment system. DEM must approve this plan prior to the start of sampling. The monitoring data in its entirety shall be reported to the RIPDES Program within 105 days of the thermal study start date. The facility must continue to use the thermal treatment system unless and until DEM provides written notification that the thermal treatment system is no longer required.

### Other Conditions

The remaining general and specific conditions of the permit are based on the RIPDES Regulations (250-RICR-150-10-1) as well as 40 CFR Parts 122 through 125 and consist primarily of management requirements common to all permits.

### Permit Limit Summary

Presented in Tables 5 through Table 7 are summaries of the permit limitations and the corresponding sampling frequency.

**Table 5 Tiered Monthly Average and Daily Maximum Permit Limits – Outfall 002 (Soup Production Discharge Immediately Prior to Discharge into the Warren River).**

| Parameter                               | Monthly Average<br>(Quantity) | Daily Maximum<br>(Quantity) | Annual Average <sup>1</sup><br>(Quantity) | Monthly Average<br>(Concentration) | Daily Maximum<br>(Concentration) |
|-----------------------------------------|-------------------------------|-----------------------------|-------------------------------------------|------------------------------------|----------------------------------|
| <b>Production Rate: ≤60,000 lbs/day</b> |                               |                             |                                           |                                    |                                  |
| BOD (5-Day)                             | 147.6 lbs/day                 | 248.4 lbs/day               | 101.4 lbs/day                             | --- mg/L                           | --- mg/L                         |
| Oil and Grease                          | 55.3 lbs/day                  | 120 lbs/day                 |                                           | --- mg/L                           | --- mg/L                         |

is determined by calculating the upper 95<sup>th</sup> confidence interval for the monthly average reported data for the past five (5) years. For specific cases, changes in treatment efficiency or pretreatment limitations may support the use of an alternative period of time.

| Parameter                                                        | Monthly Average<br>(Quantity) | Daily Maximum<br>(Quantity) | Annual Average <sup>1</sup><br>(Quantity) | Monthly Average<br>(Concentration) | Daily Maximum<br>(Concentration) |
|------------------------------------------------------------------|-------------------------------|-----------------------------|-------------------------------------------|------------------------------------|----------------------------------|
| TSS                                                              | 305.4 lbs/day                 | 442.8 lbs/day               | 186 lbs/day                               | --- mg/L                           | --- mg/L                         |
| <b>Production Rate: &gt;60,000 lbs/day and ≤80,000 lbs/day</b>   |                               |                             |                                           |                                    |                                  |
| BOD (5-Day)                                                      | 196.8 lbs/day                 | 331.2 lbs/day               | 135.2 lbs/day                             | --- mg/L                           | --- mg/L                         |
| Oil and Grease                                                   | 73.7 lbs/day                  | 160 lbs/day                 |                                           | --- mg/L                           | --- mg/L                         |
| TSS                                                              | 407.2 lbs/day                 | 590.4 lbs/day               | 248 lbs/day                               | --- mg/L                           | --- mg/L                         |
| <b>Production Rate: &gt;80,000 lbs/day and ≤100,000 lbs/day</b>  |                               |                             |                                           |                                    |                                  |
| BOD (5-Day)                                                      | 246 lbs/day                   | 414 lbs/day                 | 169 lbs/day                               | --- mg/L                           | --- mg/L                         |
| Oil and Grease                                                   | 92.2 lbs/day                  | 200 lbs/day                 |                                           | --- mg/L                           | --- mg/L                         |
| TSS                                                              | 509 lbs/day                   | 738 lbs/day                 | 310 lbs/day                               | --- mg/L                           | --- mg/L                         |
| <b>Production Rate: &gt;100,000 lbs/day and ≤120,000 lbs/day</b> |                               |                             |                                           |                                    |                                  |
| BOD (5-Day)                                                      | 295.2 lbs/day                 | 496.8 lbs/day               | 202.8 lbs/day                             | --- mg/L                           | --- mg/L                         |
| Oil and Grease                                                   | 106 lbs/day                   | 230 lbs/day                 |                                           | --- mg/L                           | --- mg/L                         |
| TSS                                                              | 610.8 lbs/day                 | 885.6 lbs/day               | 372 lbs/day                               | --- mg/L                           | --- mg/L                         |
| <b>Production Rate: &gt;120,000 lbs/day and ≤140,000 lbs/day</b> |                               |                             |                                           |                                    |                                  |
| BOD (5-Day)                                                      | 344.4 lbs/day                 | 579.6 lbs/day               | 236.6 lbs/day                             | --- mg/L                           | --- mg/L                         |
| Oil and Grease                                                   | 106 lbs/day                   | 230 lbs/day                 |                                           | --- mg/L                           | --- mg/L                         |
| TSS                                                              | 712.6 lbs/day                 | 1033.2 lbs/day              | 434 lbs/day                               | --- mg/L                           | --- mg/L                         |
| <b>Production Rate: &gt;140,000 lbs/day</b>                      |                               |                             |                                           |                                    |                                  |
| BOD (5-Day)                                                      | 393.6 lbs/day                 | 662.4 lbs/day               | 270.4 lbs/day                             | --- mg/L                           | --- mg/L                         |
| Oil and Grease                                                   | 106 lbs/day                   | 230 lbs/day                 |                                           | --- mg/L                           | --- mg/L                         |
| TSS                                                              | 814.4 lbs/day                 | 1180.8 lbs/day              | 496 lbs/day                               | --- mg/L                           | --- mg/L                         |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

<sup>1</sup> The Annual Average is a rolling 12-month Average.

**Table 6 Additional Monthly Average and Maximum Daily Permit Limits for All Production Tiers – Outfall 002 (Soup Production Discharge Immediately Prior to Discharge into the Warren River).**

| Parameter                                             | Monthly Average<br>(Quantity) | Daily Maximum<br>(Quantity) | Monthly Average<br>(Concentration) | Daily Maximum<br>(Concentration) |
|-------------------------------------------------------|-------------------------------|-----------------------------|------------------------------------|----------------------------------|
| Flow                                                  | --- MGD <sup>1</sup>          | 0.100 MGD                   |                                    |                                  |
| Fecal Coliform                                        |                               |                             | ---#/100 mL <sup>2</sup>           | ---#/100 mL                      |
| Enterococci                                           |                               |                             | 35 #/100 mL <sup>2</sup>           | 276 #/100 mL                     |
| Temperature                                           |                               |                             |                                    | 120°F <sup>3</sup>               |
| pH                                                    |                               |                             | (6.5 S.U.)*                        | (8.5 S.U.)*                      |
| Settleable Solids                                     |                               |                             | --- mL/L                           | --- mL/L                         |
| TKN (as N)                                            |                               |                             | --- mg/L                           | --- mg/L                         |
| Nitrate, Total (as N)                                 |                               |                             | --- mg/L                           | --- mg/L                         |
| Nitrite, Total (as N)                                 |                               |                             | --- mg/L                           | --- mg/L                         |
| Nitrogen, Total<br>(TKN + Nitrate +<br>Nitrite, as N) | 33.7 lbs/day                  | --- lbs/day                 | 40.4 mg/L                          | --- mg/L                         |

---signifies a parameter which must be monitored, and data must be reported; no limit has been established at this time.

\*Values in parentheses ( ) are to be reported as Minimum/Maximum for the reporting period rather than Average Monthly/ Maximum Daily.

<sup>1</sup>The average monthly flow shall be equal to the average of the daily flows where there was a discharge. Zero flow days shall not be used when calculating the average.

<sup>2</sup>The monthly average shall be calculated using the geometric mean.

<sup>3</sup>Temperature limit is required as long as the thermal system is in use. The permittee may request to cease temperature monitoring. After receiving written approval from the Department, the permittee may discontinue monitoring for temperature.

## **V. COMMENT PERIOD, HEARING REQUESTS, AND PROCEDURES FOR FINAL DECISIONS**

All persons, including applicants, who believe any condition of the draft permit is inappropriate must raise all issues and submit all available arguments and all supporting material for their arguments in full by the close of the public comment period, to the Rhode Island Department of Environmental Management, Office of Water Resources, 235 Promenade Street, Providence, Rhode Island, 02908-5767. In accordance with Chapter 46-17.4 of Rhode Island General Laws, a public hearing will be held prior to the close of the public comment period. In reaching a final decision on the draft permit the Director will respond to all significant comments and make these responses available to the public at DEM's Providence office.

Following the close of the comment period, and after a public hearing, the Director will issue a final permit decision and forward a copy of the final decision to the applicant and each person who has submitted written comments, provided oral testimony, or requested notice. Within thirty (30) days following the notice of the final permit decision any interested person may submit a request for a formal hearing to reconsider or contest the final decision. Requests for formal hearings must satisfy the requirements of 250-RICR-150-10-1.50 of the Regulations for the Rhode Island Pollutant Discharge Elimination System.

## **VI. DEM CONTACT**

Additional information concerning the permit may be obtained between the hours of 8:30 a.m. and 4:00 p.m., Monday through Friday, excluding holidays from:

Samuel Kaplan, P.E.  
Environmental Engineer II  
Department of Environmental Management  
Office of Water Resources  
235 Promenade Street  
Providence, Rhode Island 02908  
Telephone: (401) 537-4240  
Email: [samuel.kaplan@dem.ri.gov](mailto:samuel.kaplan@dem.ri.gov)

25 Aug. 2026  
Date

Heidi Travers  
Heidi Travers, P.E.  
Environmental Engineer IV  
RIPDES Program  
Office of Water Resources  
Department of Environmental Management

## **ATTACHMENT A – Site Layout**

[Note that facility is no longer permitted to discharge via Outfall 001]

# Blount RIPDES Permit Fact Sheet Attachment A - Site Layout

QUADRANGLE  
MASSACHUSETTS  
BRISTOL COUNTY

(None)

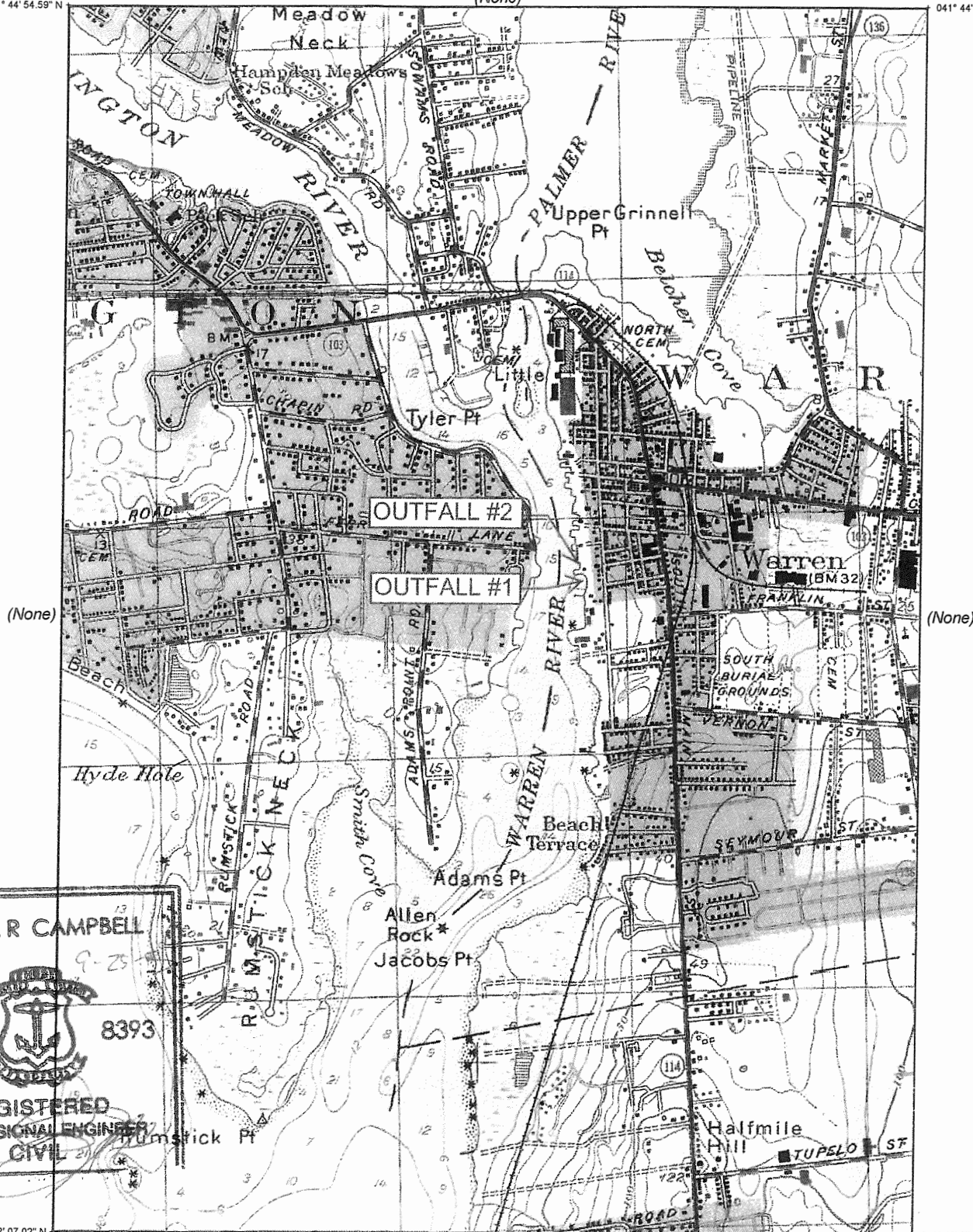
mytopo

(None)

071° 18' 45.86" W  
041° 44' 54.59" N

(None)

071° 16' 07.38" W  
041° 44' 54.59" N



DANIEL R CAMPBELL

No

8393

REGISTERED  
PROFESSIONAL ENGINEER  
CIVIL

041° 42' 07.02" N  
071° 18' 45.86" W

(None)

Produced by MyTopo Terrain Navigator  
Topography based on USGS 1:24,000  
Maps

North American 1983 Datum (NAD83)  
Unknown Projection

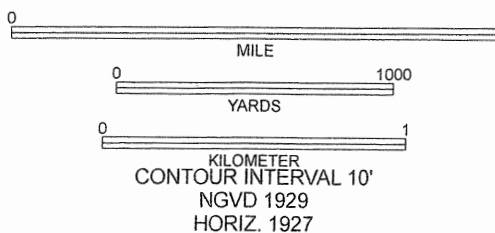
To place on the predicted North American  
1927 move the projection lines Unknown  
and Unknown

Declination

MNGN

GN 1.52° W  
MN 14.76° W

SCALE 1:24000



Printed: Tue Sep 24, 2013

071° 16' 07.38" W  
041° 42' 07.02" N

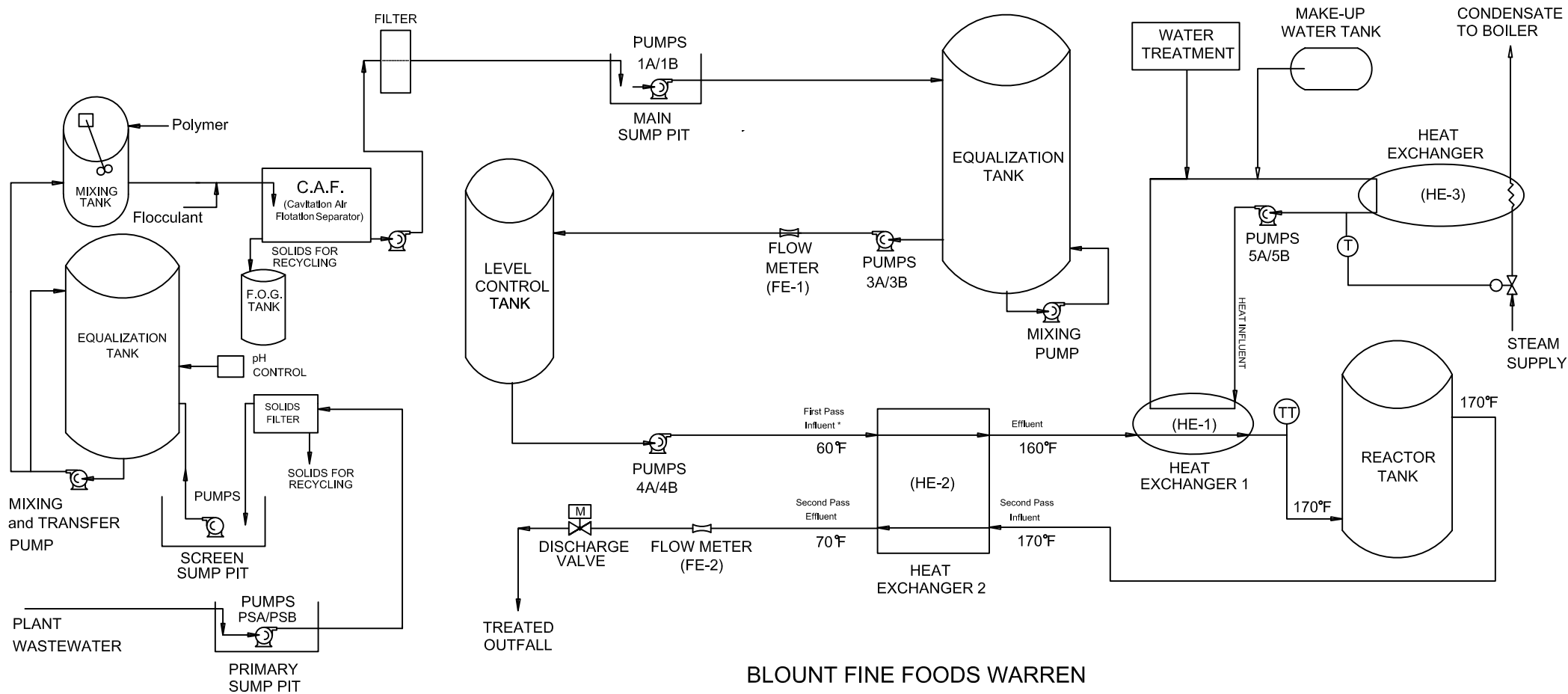
(None)

BLOUNT FINE FOODS  
383 WATER STREET  
WARREN, RI  
PUBLISHED 1955  
CHECKED 1975

## **ATTACHMENT B – Process Diagram**

Blount RIPDES Permit Fact Sheet  
Attachment B - Process Diagram

WARREN WASTEWATER TREATMENT SYSTEM



BLOUNT FINE FOODS WARREN  
PROCESS WASTEWATER TREATMENT  
SIMPLIFIED PROCESS FLOW DIAGRAM

BLOUNT WARREN WWT SPFD  
06032026 rev 59  
DWG #: BSCW076



## Attachment C1

### AVERAGE EFFLUENT CHARACTERISTICS: Outfall 002 (Dec. 2010 – May 2021)

| <b>PARAMETER</b>      | <b>AVERAGE</b>   | <b>MAXIMUM</b>   |
|-----------------------|------------------|------------------|
| Flow                  | 0.024 MGD        | 0.0417 MGD       |
| Fecal Coliform        | 0.7934 MPN/100ml | 0.8099 MPN/100ml |
| Temperature           |                  | 81.41 °F         |
| Total Nitrate (as N)  | 0.3708 mg/l      | 1.2117 mg/l      |
| Total Nitrite (as N)  | 0.3582 mg/l      | 1.1578 mg/l      |
| TKN (as N)            | 19.94 mg/l       | 33.34 mg/l       |
| Total Nitrogen (as N) |                  |                  |
| May – October         | 8.90 lb/d        |                  |
| November – April      | 14.23 lb/d       |                  |
| May – October         | 13.53 mg/l       | 35.27 mg/l       |
| November – April      | 18.73 mg/l       | 35.20 mg/l       |
| Settleable Solids     | 1.495 ml/l       | 1.570 ml/l       |
| pH                    | 6.71 S.U. (min)  | 6.86 S.U. (max)  |

#### Production ≤ 115,000 lbs/day (via Outfall 002A – 112 out of 121 months)

|                  |               |               |
|------------------|---------------|---------------|
| BOD <sub>5</sub> | 29.35 lb/d/d  | 66.20 lbs/d   |
| BOD <sub>5</sub> | 147.61 mg/L   | 325.48 mg/L   |
| TSS              | 14.4015 lbs/d | 28.5735 lbs/d |
| TSS              | 69.097 mg/L   | 137.23 mg/L   |
| Oil & Grease     | 8.1456 lbs/d  | 17.8847 lbs/d |
| Oil & Grease     | 40.4279 mg/L  | 88.508 mg/L   |
| Total Production | 55244 lb/d    |               |

#### Production ≤ 152,000 lbs/day (via Outfall 002B – 0 out of 121 months – NA)

|                  |             |          |
|------------------|-------------|----------|
| BOD <sub>5</sub> | NA - lb/d/d | NA lbs/d |
| BOD <sub>5</sub> | NA - mg/L   | NA mg/L  |
| TSS              | NA lbs/d    | NA lbs/d |
| TSS              | NA mg/L     | NA mg/L  |
| Oil & Grease     | NA lbs/d    | NA lbs/d |
| Oil & Grease     | NA mg/L     | NA mg/L  |
| Total Production | NA lb/d     |          |

#### Production ≤ 189,000 lbs/day (via Outfall 002C – 1 out of 121 months)

|                  |             |            |
|------------------|-------------|------------|
| BOD <sub>5</sub> | 1157 lbs/d  | 1968 lbs/d |
| BOD <sub>5</sub> | 1456 mg/L   | 1900 mg/L  |
| TSS              | 386 lbs/d   | 712 lbs/d  |
| TSS              | 431 mg/L    | 690 mg/L   |
| Oil & Grease     | 48 lbs/d    | 145 lbs/d  |
| Oil & Grease     | 54 mg/L     | 140 mg/L   |
| Total Production | 222720 lb/d |            |

Production ≤ 226,000 lbs/day (via Outfall 002D – 3 out of 121 months)

|                  |              |               |
|------------------|--------------|---------------|
| BOD <sub>5</sub> | 755.86 lbd/d | 1843.74 lbs/d |
| BOD <sub>5</sub> | 961.98 mg/L  | 1856.67 mg/L  |
| TSS              | 169.40 lbs/d | 455.37 lbs/d  |
| TSS              | 222.17 mg/L  | 460 mg/L      |
| Oil & Grease     | 24.01 lbs/d  | 53.96 lbs/d   |
| Oil & Grease     | 46.40 mg/L   | 77.67 mg/L    |
| Total Production | 184,132 lb/d |               |

Production ≤ 263,000 lbs/day (via Outfall 002E – 2 out of 121 months)

|                  |                |             |
|------------------|----------------|-------------|
| BOD <sub>5</sub> | 1449.5 lbd/d   | 2963 lbs/d  |
| BOD <sub>5</sub> | 1456 mg/L      | 2500 mg/L   |
| TSS              | 355.5 lbs/d    | 853 lbs/d   |
| TSS              | 361.5 mg/L     | 755 mg/L    |
| Oil & Grease     | 51 lbs/d       | 114.5 lbs/d |
| Oil & Grease     | 47.5 mg/L      | 101 mg/L    |
| Total Production | 283,500.5 lb/d |             |

Production ≤ 300,000 lbs/day (via Outfall 002F – 3 out of 121 months)

|                  |               |               |
|------------------|---------------|---------------|
| BOD <sub>5</sub> | 2130.41 lbd/d | 3213.39 lbs/d |
| BOD <sub>5</sub> | 2010.58 mg/L  | 2800 mg/L     |
| TSS              | 623.54 lbs/d  | 928.74 lbs/d  |
| TSS              | 585.32 mg/L   | 836.67 mg/L   |
| Oil & Grease     | 74.68 lbs/d   | 147.37 lbs/d  |
| Oil & Grease     | 68.26 mg/L    | 126 mg/L      |
| Total Production | 278,705 lb/d  |               |

Production ≤ 337,000 lbs/day (via Outfall 002G – 1 out of 121 months)

|                  |               |               |
|------------------|---------------|---------------|
| BOD <sub>5</sub> | 2435.93 lbd/d | 3876.22 lbs/d |
| BOD <sub>5</sub> | 2055 mg/L     | 3500 mg/L     |
| TSS              | 832.32 lbs/d  | 1447.23 lbs/d |
| TSS              | 686 mg/L      | 1100 mg/L     |
| Oil & Grease     | 77.12 lbs/d   | 131.99 lbs/d  |
| Oil & Grease     | 65.11 mg/L    | 120 mg/L      |
| Total Production | 323,680 lb/d  |               |

## Attachment C2

### AVERAGE EFFLUENT CHARACTERISTICS: Outfall 002 (Jun. 2021 – Sept. 2025)

| <b>PARAMETER</b>      | <b>AVERAGE</b>   | <b>MAXIMUM</b>     |
|-----------------------|------------------|--------------------|
| Flow                  | 0.0344 MGD       | 0.0465 MGD         |
| Fecal Coliform        | 5.9185 MPN/100ml | 161.6981 MPN/100ml |
| Temperature           |                  | 94.83°F            |
| Total Nitrate (as N)  | 0.0806 mg/l      | 0.607 mg/l         |
| Total Nitrite (as N)  | 0.0067 mg/l      | 0.0252 mg/l        |
| TKN (as N)            | 12.95 mg/l       | 22.49 mg/l         |
| Total Nitrogen (as N) |                  |                    |
| May – October         | 3.58 lb/d        |                    |
| November – April      | 4.38 lb/d        |                    |
| May – October         | 12.48 mg/l       | 20.95 mg/l         |
| November – April      | 14.20 mg/l       | 25.75 mg/l         |
| Settleable Solids     | 1.8396 ml/l      | 4.4827 ml/l        |
| pH                    | 6.69 S.U. (min)  | 7.14 S.U. (max)    |

#### Production ≤ 115,000 lbs/day (via outfall 002A 38 out of 52 months)

|                  |              |              |
|------------------|--------------|--------------|
| BOD <sub>5</sub> | 64.18 lbd/d  | 131.14 lbs/d |
| BOD <sub>5</sub> | 227.93 mg/L  | 456.44 mg/L  |
| TSS              | 34.44 lbs/d  | 66.24 lbs/d  |
| TSS              | 123.42mg/L   | 231.11 mg/L  |
| Oil & Grease     | 21.64 lbs/d  | 66.78 lbs/d  |
| Oil & Grease     | 79.28 mg/L   | 212.4 mg/L   |
| Total Production | 113,366 lb/d |              |

#### Production ≤ 152,000 lbs/day (via outfall 002B 11 out of 52 months)

|                  |              |              |
|------------------|--------------|--------------|
| BOD <sub>5</sub> | 87.28 lbd/d  | 172.15 lbs/d |
| BOD <sub>5</sub> | 265.41 mg/L  | 490.91 mg/L  |
| TSS              | 47.73 lbs/d  | 111.20 lbs/d |
| TSS              | 144.88 mg/L  | 321.81 mg/L  |
| Oil & Grease     | 33.12 lbs/d  | 99.10 lbs/d  |
| Oil & Grease     | 98.59 mg/L   | 277.28 mg/L  |
| Total Production | 131,770 lb/d |              |

#### Production ≤ 189,000 lbs/day (via outfall 002C 2 out of 52 months)

|                  |                |              |
|------------------|----------------|--------------|
| BOD <sub>5</sub> | 125.44 lbd/d   | 269.99 lbs/d |
| BOD <sub>5</sub> | 454.875 mg/L   | 830 mg/L     |
| TSS              | 62.685 lbs/d   | 113.11 lbs/d |
| TSS              | 235.625 mg/L   | 445 mg/L     |
| Oil & Grease     | 41.37 lbs/d    | 71.28 lbs/d  |
| Oil & Grease     | 156 mg/L       | 300 mg/L     |
| Total Production | 159,864.5 lb/d |              |

Production ≤ 226,000 lbs/day (via Outfall 002D – 0 out of 52 months – NA)

|                  |            |          |
|------------------|------------|----------|
| BOD <sub>5</sub> | NA - lbd/d | NA lbs/d |
| BOD <sub>5</sub> | NA - mg/L  | NA mg/L  |
| TSS              | NA lbs/d   | NA lbs/d |
| TSS              | NA mg/L    | NA mg/L  |
| Oil & Grease     | NA lbs/d   | NA lbs/d |
| Oil & Grease     | NA mg/L    | NA mg/L  |
| Total Production | NA lb/d    |          |

Production ≤ 263,000 lbs/day (via Outfall 002E – 0 out of 52 months – NA)

|                  |            |          |
|------------------|------------|----------|
| BOD <sub>5</sub> | NA - lbd/d | NA lbs/d |
| BOD <sub>5</sub> | NA - mg/L  | NA mg/L  |
| TSS              | NA lbs/d   | NA lbs/d |
| TSS              | NA mg/L    | NA mg/L  |
| Oil & Grease     | NA lbs/d   | NA lbs/d |
| Oil & Grease     | NA mg/L    | NA mg/L  |
| Total Production | NA lb/d    |          |

Production ≤ 300,000 lbs/day (via Outfall 002F – 0 out of 52 months – NA)

|                  |            |          |
|------------------|------------|----------|
| BOD <sub>5</sub> | NA - lbd/d | NA lbs/d |
| BOD <sub>5</sub> | NA - mg/L  | NA mg/L  |
| TSS              | NA lbs/d   | NA lbs/d |
| TSS              | NA mg/L    | NA mg/L  |
| Oil & Grease     | NA lbs/d   | NA lbs/d |
| Oil & Grease     | NA mg/L    | NA mg/L  |
| Total Production | NA lb/d    |          |

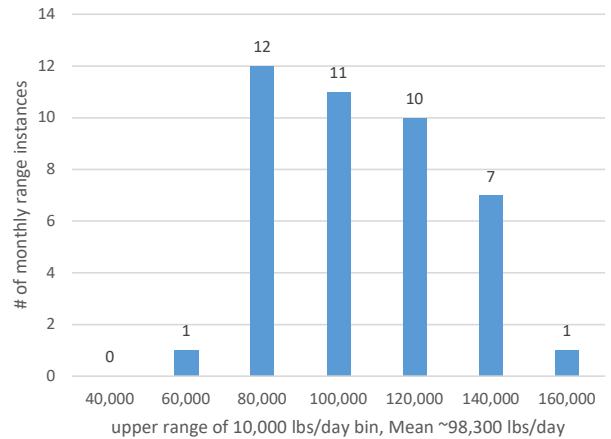
Production ≤ 337,000 lbs/day (via Outfall 002G – 0 out of 52 months – NA)

|                  |            |          |
|------------------|------------|----------|
| BOD <sub>5</sub> | NA - lbd/d | NA lbs/d |
| BOD <sub>5</sub> | NA - mg/L  | NA mg/L  |
| TSS              | NA lbs/d   | NA lbs/d |
| TSS              | NA mg/L    | NA mg/L  |
| Oil & Grease     | NA lbs/d   | NA lbs/d |
| Oil & Grease     | NA mg/L    | NA mg/L  |
| Total Production | NA lb/d    |          |

**Attachment D1**  
**Production Tier Calculations**

| Month Ending        | Total Monthly Production, lbs        | Blount RIPDES Discharge Dates Per month        | Ave. Daily Production for the month, per discharge day, lbs/day        | Bin upper limits | monthly range instances of Ave. Daily Production for the month per discharge day, lbs/day, June '21- Dec. '24 |
|---------------------|--------------------------------------|------------------------------------------------|------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------|
| 6/30/2021           | 1,580,769                            | 22                                             | 71,853                                                                 | 40,000           | 0                                                                                                             |
| 7/31/2021           | 1,463,056                            | 19                                             | 77,003                                                                 | 60,000           | 1                                                                                                             |
| 8/31/2021           | 1,681,324                            | 21                                             | 80,063                                                                 | 80,000           | 12                                                                                                            |
| 9/30/2021           | 2,184,432                            | 23                                             | 94,975                                                                 | 100,000          | 11                                                                                                            |
| 10/31/2021          | 2,151,380                            | 25                                             | 86,055                                                                 | 120,000          | 10                                                                                                            |
| 11/30/2021          | 2,567,720                            | 24                                             | 106,988                                                                | 140,000          | 7                                                                                                             |
| 12/31/2021          | 3,850,295                            | 25                                             | 154,012                                                                | 160,000          | 1                                                                                                             |
| 1/31/2022           | 3,327,374                            | 24                                             | 138,641                                                                |                  | -                                                                                                             |
| 2/28/2022           | 2,654,442                            | 23                                             | 115,411                                                                |                  |                                                                                                               |
| 3/31/2022           | 2,152,644                            | 21                                             | 102,507                                                                |                  |                                                                                                               |
| 4/30/2022           | 1,215,846                            | 17                                             | 71,520                                                                 |                  |                                                                                                               |
| 5/31/2022           | 1,247,125                            | 17                                             | 73,360                                                                 |                  |                                                                                                               |
| 6/30/2022           | 1,287,864                            | 18                                             | 71,548                                                                 |                  |                                                                                                               |
| 7/31/2022           | 1,264,879                            | 15                                             | 84,325                                                                 |                  |                                                                                                               |
| 8/31/2022           | 1,561,314                            | 19                                             | 82,174                                                                 |                  |                                                                                                               |
| 9/30/2022           | 1,518,573                            | 19                                             | 79,925                                                                 |                  |                                                                                                               |
| 10/31/2022          | 2,117,535                            | 20                                             | 105,877                                                                |                  |                                                                                                               |
| 11/30/2022          | 2,020,511                            | 21                                             | 96,215                                                                 |                  |                                                                                                               |
| 12/31/2022          | 2,454,891                            | 19                                             | 129,205                                                                |                  |                                                                                                               |
| 1/31/2023           | 2,192,361                            | 19                                             | 115,387                                                                |                  |                                                                                                               |
| 2/28/2023           | 1,307,350                            | 16                                             | 81,709                                                                 |                  |                                                                                                               |
| 3/31/2023           | 1,773,234                            | 18                                             | 98,513                                                                 |                  |                                                                                                               |
| 4/30/2023           | 1,165,858                            | 15                                             | 77,724                                                                 |                  |                                                                                                               |
| 5/31/2023           | 1,195,264                            | 17                                             | 70,310                                                                 |                  |                                                                                                               |
| 6/30/2023           | 1,613,051                            | 18                                             | 89,614                                                                 |                  |                                                                                                               |
| 7/31/2023           | 1,091,331                            | 11                                             | 99,212                                                                 |                  |                                                                                                               |
| 8/31/2023           | 2,255,617                            | 19                                             | 118,717                                                                |                  |                                                                                                               |
| 9/30/2023           | 2,420,042                            | 23                                             | 105,219                                                                |                  |                                                                                                               |
| 10/31/2023          | 2,257,859                            | 20                                             | 112,893                                                                |                  |                                                                                                               |
| 11/30/2023          | 2,929,007                            | 21                                             | 139,477                                                                |                  |                                                                                                               |
| 12/31/2023          | 2,595,641                            | 20                                             | 129,782                                                                |                  |                                                                                                               |
| Month Ending, cont. | Total Monthly Production, lbs, cont. | Blount RIPDES Discharge Dates Per month, cont. | Ave. Daily Production for the month, per discharge day, lbs/day, cont. |                  |                                                                                                               |
| 1/31/2024           | 2,890,048                            | 23                                             | 125,654                                                                |                  |                                                                                                               |
| 2/29/2024           | 2,452,572                            | 21                                             | 116,789                                                                |                  |                                                                                                               |
| 3/31/2024           | 1,502,593                            | 20                                             | 75,130                                                                 |                  |                                                                                                               |
| 4/30/2024           | 1,339,872                            | 18                                             | 74,437                                                                 |                  |                                                                                                               |
| 5/31/2024           | 1,564,788                            | 21                                             | 74,514                                                                 |                  |                                                                                                               |
| 6/30/2024           | 888,216                              | 13                                             | 68,324                                                                 |                  |                                                                                                               |
| 7/31/2024           | 1,133,109                            | 21                                             | 53,958                                                                 |                  |                                                                                                               |
| 8/31/2024           | 2,001,284                            | 22                                             | 90,967                                                                 |                  |                                                                                                               |
| 9/30/2024           | 3,204,747                            | 25                                             | 128,190                                                                |                  |                                                                                                               |
| 10/31/2024          | 2,972,288                            | 23                                             | 129,230                                                                |                  |                                                                                                               |
| 11/30/2024          | 2,639,356                            | 24                                             | 109,973                                                                |                  |                                                                                                               |
| 12/31/2024          | 3,044,056                            | 25                                             | 121,762                                                                |                  |                                                                                                               |

Blount monthly range instances of Ave. Daily Production for the month per discharge day, lbs/day, June '21- Dec. '24



|      |         |
|------|---------|
| max  | 154,012 |
| min  | 53,958  |
| mean | 98,352  |

| year  | lbs production / year | tons of production per year | Discharge days/yr | Ave Daily Production Rate/yr |
|-------|-----------------------|-----------------------------|-------------------|------------------------------|
| 2021* | 26,535,387            | 13,268                      | 273               | 97,352.05                    |
| 2022  | 22,822,998            | 11,411                      | 233               | 97,952.78                    |
| 2023  | 22,796,615            | 11,398                      | 217               | 105,053.53                   |
| 2024  | 25,632,929            | 12,816                      | 256               | 100,128.63                   |

\*extrapolated based on Jun.-Dec. 2021

**Attachment D2**

**Effluent Limit Calculations**

BPJ (Best Professional Judgement) limits based on the ELG (Effluent Limitation Guideline) were used to set limits for BOD and TSS.  
The previous permit was used to set limits for Oil and Grease.

| Per 40 CFR Part 407.82(a) |                                     |           |  |  |                |                |
|---------------------------|-------------------------------------|-----------|--|--|----------------|----------------|
|                           | ELGs, lb/1000 lb product, med/large | Max Daily |  |  | 30 day average | Annual Average |
|                           | BOD                                 | 4.14      |  |  | 2.46           | 1.69           |

|             |                              |      |  |  |          |    |
|-------------|------------------------------|------|--|--|----------|----|
| 2010 permit | tier: 115000 lbs/mo day tier | 1725 |  |  | Mon Only | NA |
| 2010 permit | tier: 152000 lbs/mo day iter | 2280 |  |  | Mon Only | NA |

| Per 40 CFR Part 407.82(b) |                                     |           |  |  |                |                |
|---------------------------|-------------------------------------|-----------|--|--|----------------|----------------|
|                           | ELGs, lb/1000 lb product, med/large | Max Daily |  |  | 30 day average | Annual Average |
|                           | TSS                                 | 7.38      |  |  | 5.09           | 3.10           |

|             |                              |      |  |  |          |    |
|-------------|------------------------------|------|--|--|----------|----|
| 2010 permit | tier: 115000 lbs/mo day tier | 2280 |  |  | Mon Only | NA |
| 2010 permit | tier: 152000 lbs/mo day iter | 3192 |  |  | 1520     | NA |

| tier     | Daily Production Tier, lbs/day | Oil and Grease, Max.<br>Daily lbs./day | Oil and Grease, Max.<br>Daily mg/L | Oil and Grease, Ave.<br>Monthly mg/L | Oil and Grease,<br>Ave. Monthly |
|----------|--------------------------------|----------------------------------------|------------------------------------|--------------------------------------|---------------------------------|
| proposed | 60,000                         | 120                                    | monitor only                       | monitor only                         | 55.3                            |
| proposed | 80,000                         | 160                                    | monitor only                       | monitor only                         | 73.7                            |
| proposed | 100,000                        | 200                                    | monitor only                       | monitor only                         | 92.2                            |
| proposed | 120,000                        | 230                                    | monitor only                       | monitor only                         | 106                             |
| proposed | 140,000                        | 230                                    | monitor only                       | monitor only                         | 106                             |
| proposed | >140,000                       | 230                                    | monitor only                       | monitor only                         | 106                             |
| existing | 115,000                        | 230                                    | monitor only                       | monitor only                         | 106                             |

| tier     | Daily Production Tier, lbs/day | Max Daily BOD limit<br>[CFR], lbs./day | BOD, Max Daily, mg/L | BOD, Ave Monthly, mg/L | 30 day average<br>BOD limit [CFR] | Annual Average<br>BOD [CFR] |
|----------|--------------------------------|----------------------------------------|----------------------|------------------------|-----------------------------------|-----------------------------|
| proposed | 60,000                         | 248.4                                  | monitor only         | monitor only           | 147.6                             | 101.4                       |
| proposed | 80,000                         | 331.2                                  | monitor only         | monitor only           | 196.8                             | 135.2                       |
| proposed | 100,000                        | 414                                    | monitor only         | monitor only           | 246                               | 169                         |
| proposed | 120,000                        | 496.8                                  | monitor only         | monitor only           | 295.2                             | 202.8                       |
| proposed | 140,000                        | 579.6                                  | monitor only         | monitor only           | 344.4                             | 236.6                       |
| proposed | >140,000                       | 662.4                                  | monitor only         | monitor only           | 393.6                             | 270.4                       |

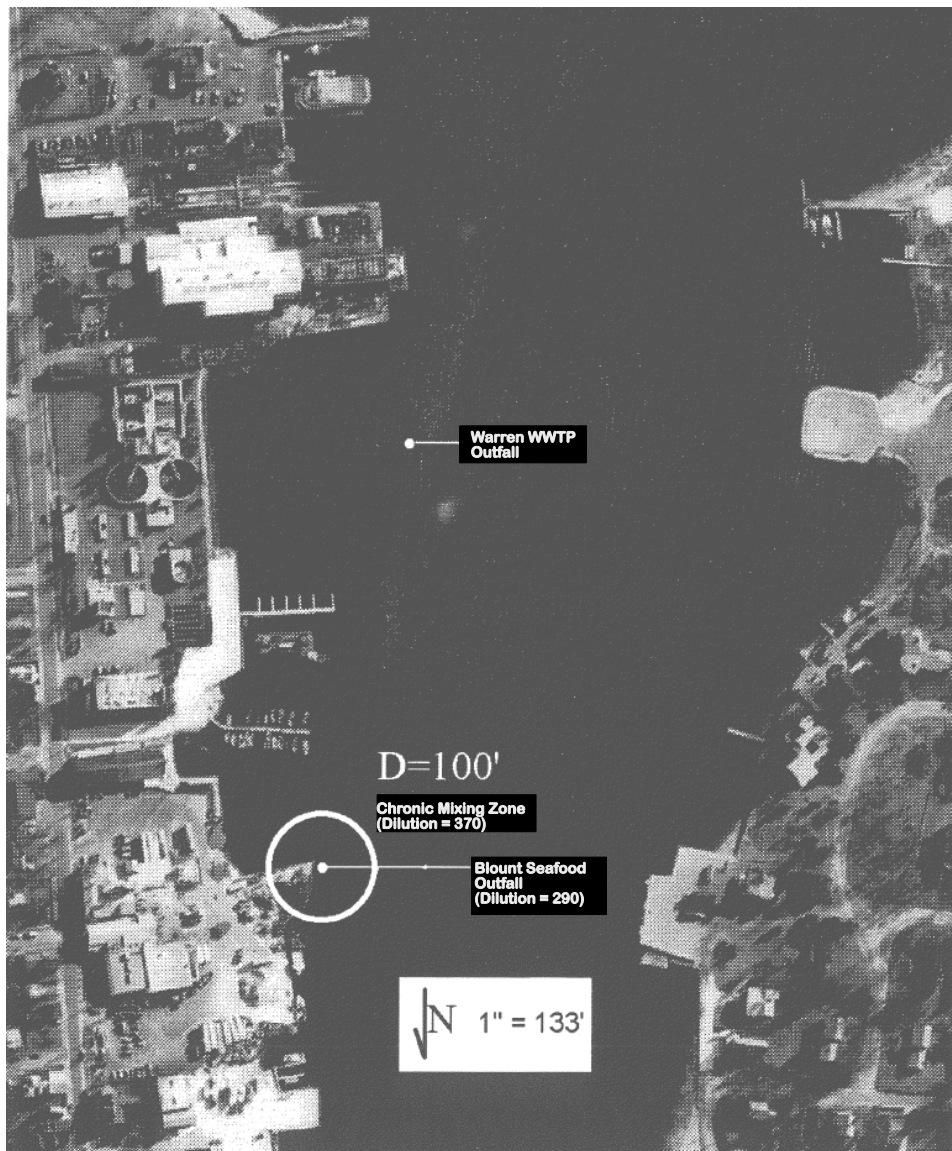
| tier     | Daily Production Tier, lbs/day | Max Daily TSS [CFR] | TSS, Max Daily, mg/L | TSS, Ave Monthly, mg/L | 30 day average TSS<br>[CFR] | Annual Average<br>TSS [CFR] |
|----------|--------------------------------|---------------------|----------------------|------------------------|-----------------------------|-----------------------------|
| proposed | 60,000                         | 442.8               | monitor only         | monitor only           | 305.4                       | 186                         |
| proposed | 80,000                         | 590.4               | monitor only         | monitor only           | 407.2                       | 248                         |
| proposed | 100,000                        | 738                 | monitor only         | monitor only           | 509                         | 310                         |
| proposed | 120,000                        | 885.6               | monitor only         | monitor only           | 610.8                       | 372                         |
| proposed | 140,000                        | 1,033.2             | monitor only         | monitor only           | 712.6                       | 434                         |
| proposed | >140,000                       | 1,180.8             | monitor only         | monitor only           | 814.4                       | 496                         |



**Attachment E**  
**Dye Study Map**

# Blount RIPDES Permit Attachment E

## Dye Study image



## **Attachment F**

### **Calculations of Allowable Limits Based on Aquatic Life and Human Health Criteria**

## CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS FACILITY SPECIFIC DATA INPUT SHEET

NOTE: LIMITS BASED ON RI WATER QUALITY CRITERIA DATED JULY 2006

FACILITY NAME: **Blount Seafood Corp.**

RIPDES PERMIT #: **RI0001121**

|              | DISSOLVED<br>BACKGROUND<br>DATA (ug/L) | ACUTE<br>METAL<br>TRANSLATOR | CHRONIC<br>METAL<br>TRANSLATOR |
|--------------|----------------------------------------|------------------------------|--------------------------------|
| ALUMINUM     | NA                                     | NA                           | NA                             |
| ARSENIC      | NA                                     | 1                            | 1                              |
| CADMIUM      | NA                                     | 0.994                        | 0.994                          |
| CHROMIUM III | NA                                     | NA                           | NA                             |
| CHROMIUM VI  | NA                                     | 0.993                        | 0.993                          |
| COPPER       | NA                                     | 0.83                         | 0.83                           |
| LEAD         | NA                                     | 0.951                        | 0.951                          |
| MERCURY      | NA                                     | 0.85                         | NA                             |
| NICKEL       | NA                                     | 0.99                         | 0.99                           |
| SELENIUM     | NA                                     | 0.998                        | 0.998                          |
| SILVER       | NA                                     | 0.85                         | 0.85                           |
| ZINC         | NA                                     | 0.946                        | 0.946                          |

**USE NA WHEN NO DATA IS AVAILABLE**

NOTE 1: METAL TRANSLATORS FROM RI WATER  
QUALITY REGS.

| DILUTION FACTORS |              |
|------------------|--------------|
| ACUTE =          | <b>290</b> x |
| CHRONIC =        | <b>370</b> x |
| HUMAN HEALTH =   | <b>370</b> x |

NOTE: TEST WWTF'S DILUTION  
FACTORS OBTAINED FROM A  
DYE STUDY.

| TOTAL AMMONIA CRITERIA (ug/L) |             |
|-------------------------------|-------------|
| WINTER ACUTE =                | <b>5600</b> |
| CHRONIC =                     | <b>840</b>  |
| SUMMER ACUTE =                | <b>4400</b> |
| CHRONIC =                     | <b>660</b>  |

NOTE 1: LIMITS ARE FROM TABLE 3 IN  
THE RI WATER QUALITY REGS.  
USING:  
SALINITY = 20 g/Kg  
WINTER (NOV-APRIL) pH=8.4 s.u.;  
SUMMER (MAY-OCT) pH=8.2 s.u.  
WINTER (NOV-APRIL) TEMP=10.0 C;  
SUMMER (MAY-OCT) TEMP=20.0 C.

**CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS**FACILITY NAME: Blount Seafood Corp.RIPDES PERMIT #: RI0001121

NOTE: METALS CRITERIA ARE DISSOLVED, METALS LIMITS ARE TOTAL; AMMONIA CRITERIA AND LIMITS HAVE BEEN CONVERTED TO ug/l N.

| CHEMICAL NAME                               | CAS #    | BACKGROUND<br>CONCENTRATION<br>(ug/L) | SALTWATER<br>CRITERIA<br>ACUTE<br>(ug/L) | DAILY MAX<br>LIMIT<br>(ug/L) | SALTWATER<br>CRITERIA<br>CHRONIC<br>(ug/L) | HUMAN HEALTH<br>NON-CLASS A<br>CRITERIA<br>(ug/L) | MONTHLY AVE<br>LIMIT<br>(ug/L) |
|---------------------------------------------|----------|---------------------------------------|------------------------------------------|------------------------------|--------------------------------------------|---------------------------------------------------|--------------------------------|
| <b>PRIORITY POLLUTANTS:</b>                 |          |                                       |                                          |                              |                                            |                                                   |                                |
| <b>TOXIC METALS AND CYANIDE</b>             |          |                                       |                                          |                              |                                            |                                                   |                                |
| ANTIMONY                                    | 7440360  |                                       |                                          | No Criteria                  |                                            | 640                                               | 189440                         |
| ARSENIC (limits are total recoverable)      | 7440382  | NA                                    | 69                                       | 16008                        | 36                                         | 1.4                                               | 414.4                          |
| ASBESTOS                                    | 1332214  |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| BERYLLIUM                                   | 7440417  |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| CADMIUM (limits are total recoverable)      | 7440439  | NA                                    | 40                                       | 9336.016097                  | 8.8                                        |                                                   | 2620.523139                    |
| CHROMIUM III (limits are total recoverable) | 16065831 | NA                                    |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| CHROMIUM VI (limits are total recoverable)  | 18540299 | NA                                    | 1100                                     | 256998.993                   | 50                                         |                                                   | 14904.33031                    |
| COPPER (limits are total recoverable)       | 7440508  | NA                                    | 4.8                                      | 1341.686747                  | 3.1                                        |                                                   | 1105.542169                    |
| CYANIDE                                     | 57125    |                                       | 1                                        | 232.00                       | 1                                          | 140                                               | 296                            |
| LEAD (limits are total recoverable)         | 7439921  | NA                                    | 210                                      | 51230.28391                  | 8.1                                        |                                                   | 2521.135647                    |
| MERCURY (limits are total recoverable)      | 7439976  | NA                                    | 1.8                                      | 491.2941176                  | 0.94                                       | 0.15                                              | 44.4                           |
| NICKEL (limits are total recoverable)       | 7440020  | NA                                    | 74                                       | 17341.41414                  | 8.2                                        | 4600                                              | 2451.717172                    |
| SELENIUM (limits are total recoverable)     | 7782492  | NA                                    | 290                                      | 67414.82966                  | 71                                         | 4200                                              | 21058.11623                    |
| SILVER (limits are total recoverable)       | 7440224  | NA                                    | 1.9                                      | 518.5882353                  |                                            |                                                   | No Criteria                    |
| THALLIUM                                    | 7440280  |                                       |                                          | No Criteria                  |                                            | 0.47                                              | 139.12                         |
| ZINC (limits are total recoverable)         | 7440666  | NA                                    | 90                                       | 22071.88161                  | 81                                         | 26000                                             | 25344.60888                    |
| <b>VOLATILE ORGANIC COMPOUNDS</b>           |          |                                       |                                          |                              |                                            |                                                   |                                |
| ACROLEIN                                    | 107028   |                                       |                                          | No Criteria                  |                                            | 290                                               | 85840                          |
| ACRYLONITRILE                               | 107131   |                                       |                                          | No Criteria                  |                                            | 2.5                                               | 740                            |
| BENZENE                                     | 71432    |                                       |                                          | No Criteria                  |                                            | 510                                               | 150960                         |
| BROMOFORM                                   | 75252    |                                       |                                          | No Criteria                  |                                            | 1400                                              | 414400                         |
| CARBON TETRACHLORIDE                        | 56235    |                                       |                                          | No Criteria                  |                                            | 16                                                | 4736                           |
| CHLOROBENZENE                               | 108907   |                                       |                                          | No Criteria                  |                                            | 1600                                              | 473600                         |
| CHLORODIBROMOMETHANE                        | 124481   |                                       |                                          | No Criteria                  |                                            | 130                                               | 38480                          |
| CHLOROFORM                                  | 67663    |                                       |                                          | No Criteria                  |                                            | 4700                                              | 1391200                        |
| DICHLOROBROMOMETHANE                        | 75274    |                                       |                                          | No Criteria                  |                                            | 170                                               | 50320                          |
| 1,2DICHLOROETHANE                           | 107062   |                                       |                                          | No Criteria                  |                                            | 370                                               | 109520                         |
| 1,1DICHLOROETHYLENE                         | 75354    |                                       |                                          | No Criteria                  |                                            | 7100                                              | 2101600                        |
| 1,2DICHLOROPROPANE                          | 78875    |                                       |                                          | No Criteria                  |                                            | 150                                               | 44400                          |
| 1,3DICHLOROPROPYLENE                        | 542756   |                                       |                                          | No Criteria                  |                                            | 21                                                | 6216                           |
| ETHYLBENZENE                                | 100414   |                                       |                                          | No Criteria                  |                                            | 2100                                              | 621600                         |
| BROMOMETHANE (methyl bromide)               | 74839    |                                       |                                          | No Criteria                  |                                            | 1500                                              | 444000                         |
| CHLOROMETHANE (methyl chloride)             | 74873    |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| METHYLENE CHLORIDE                          | 75092    |                                       |                                          | No Criteria                  |                                            | 5900                                              | 1746400                        |

**CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS**FACILITY NAME: Blount Seafood Corp.RIPDES PERMIT #: RI0001121

NOTE: METALS CRITERIA ARE DISSOLVED, METALS LIMITS ARE TOTAL; AMMONIA CRITERIA AND LIMITS HAVE BEEN CONVERTED TO ug/l N.

| CHEMICAL NAME                    | CAS #  | BACKGROUND<br>CONCENTRATION<br>(ug/L) | SALTWATER<br>CRITERIA<br>ACUTE<br>(ug/L) | DAILY MAX<br>LIMIT<br>(ug/L) | SALTWATER<br>CRITERIA<br>CHRONIC<br>(ug/L) | HUMAN HEALTH<br>NON-CLASS A<br>CRITERIA<br>(ug/L) | MONTHLY AVE<br>LIMIT<br>(ug/L) |
|----------------------------------|--------|---------------------------------------|------------------------------------------|------------------------------|--------------------------------------------|---------------------------------------------------|--------------------------------|
| 1,1,2,2TETRACHLOROETHANE         | 79345  |                                       |                                          | No Criteria                  |                                            | 40                                                | 11840                          |
| TETRACHLOROETHYLENE              | 127184 |                                       |                                          | No Criteria                  |                                            | 33                                                | 9768                           |
| TOLUENE                          | 108883 |                                       |                                          | No Criteria                  |                                            | 15000                                             | 4440000                        |
| 1,2TRANS-DICHLOROETHYLENE        | 156605 |                                       |                                          | No Criteria                  |                                            | 10000                                             | 2960000                        |
| 1,1,1TRICHLOROETHANE             | 71556  |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 1,1,2TRICHLOROETHANE             | 79005  |                                       |                                          | No Criteria                  |                                            | 160                                               | 47360                          |
| TRICHLOROETHYLENE                | 79016  |                                       |                                          | No Criteria                  |                                            | 300                                               | 88800                          |
| VINYL CHLORIDE                   | 75014  |                                       |                                          | No Criteria                  |                                            | 2.4                                               | 710.4                          |
| ACID ORGANIC COMPOUNDS           |        |                                       |                                          |                              |                                            |                                                   |                                |
| 2CHLOROPHENOL                    | 95578  |                                       |                                          | No Criteria                  |                                            | 150                                               | 44400                          |
| 2,4DICHLOROPHENOL                | 120832 |                                       |                                          | No Criteria                  |                                            | 290                                               | 85840                          |
| 2,4DIMETHYLPHENOL                | 105679 |                                       |                                          | No Criteria                  |                                            | 850                                               | 251600                         |
| 4,6DINITRO-2-METHYL PHENOL       | 534521 |                                       |                                          | No Criteria                  |                                            | 280                                               | 82880                          |
| 2,4DINITROPHENOL                 | 51285  |                                       |                                          | No Criteria                  |                                            | 5300                                              | 1568800                        |
| 4-NITROPHENOL                    | 88755  |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| PENTACHLOROPHENOL                | 87865  |                                       | 13                                       | 3016                         | 7.9                                        | 30                                                | 2338.4                         |
| PHENOL                           | 108952 |                                       |                                          | No Criteria                  |                                            | 1700000                                           | 503200000                      |
| 2,4,6-TRICHLOROPHENOL            | 88062  |                                       |                                          | No Criteria                  |                                            | 24                                                | 7104                           |
| BASE NEUTRAL COMPOUNDS           |        |                                       |                                          |                              |                                            |                                                   |                                |
| ACENAPHTHENE                     | 83329  |                                       |                                          | No Criteria                  |                                            | 990                                               | 293040                         |
| ANTHRACENE                       | 120127 |                                       |                                          | No Criteria                  |                                            | 40000                                             | 11840000                       |
| BENZIDINE                        | 92875  |                                       |                                          | No Criteria                  |                                            | 0.002                                             | 0.592                          |
| POLYCYCLIC AROMATIC HYDROCARBONS |        |                                       |                                          | No Criteria                  |                                            | 0.18                                              | 53.28                          |
| BIS(2CHLOROETHYL)ETHER           | 111444 |                                       |                                          | No Criteria                  |                                            | 5.3                                               | 1568.8                         |
| BIS(2CHLOROISOPROPYL)ETHER       | 108601 |                                       |                                          | No Criteria                  |                                            | 65000                                             | 19240000                       |
| BIS(2ETHYLHEXYL)PHTHALATE        | 117817 |                                       |                                          | No Criteria                  |                                            | 22                                                | 6512                           |
| BUTYL BENZYL PHTHALATE           | 85687  |                                       |                                          | No Criteria                  |                                            | 1900                                              | 562400                         |
| 2CHLORONAPHTHALENE               | 91587  |                                       |                                          | No Criteria                  |                                            | 1600                                              | 473600                         |
| 1,2DICHLOROBENZENE               | 95501  |                                       |                                          | No Criteria                  |                                            | 1300                                              | 384800                         |
| 1,3DICHLOROBENZENE               | 541731 |                                       |                                          | No Criteria                  |                                            | 960                                               | 284160                         |
| 1,4DICHLOROBENZENE               | 106467 |                                       |                                          | No Criteria                  |                                            | 190                                               | 56240                          |
| 3,3DICHLOROBENZIDENE             | 91941  |                                       |                                          | No Criteria                  |                                            | 0.28                                              | 82.88                          |
| DIETHYL PHTHALATE                | 84662  |                                       |                                          | No Criteria                  |                                            | 44000                                             | 13024000                       |
| DIMETHYL PHTHALATE               | 131113 |                                       |                                          | No Criteria                  |                                            | 1100000                                           | 325600000                      |
| Di-n-BUTYL PHTHALATE             | 84742  |                                       |                                          | No Criteria                  |                                            | 4500                                              | 1332000                        |
| 2,4-DINITROTOLUENE               | 121142 |                                       |                                          | No Criteria                  |                                            | 34                                                | 10064                          |

**CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS**FACILITY NAME: Blount Seafood Corp.RIPDES PERMIT #: RI0001121

NOTE: METALS CRITERIA ARE DISSOLVED, METALS LIMITS ARE TOTAL; AMMONIA CRITERIA AND LIMITS HAVE BEEN CONVERTED TO ug/l N.

| CHEMICAL NAME              | CAS #    | BACKGROUND<br>CONCENTRATION<br>(ug/L) | SALTWATER<br>CRITERIA<br>ACUTE<br>(ug/L) | DAILY MAX<br>LIMIT<br>(ug/L) | SALTWATER<br>CRITERIA<br>CHRONIC<br>(ug/L) | HUMAN HEALTH<br>NON-CLASS A<br>CRITERIA<br>(ug/L) | MONTHLY AVE<br>LIMIT<br>(ug/L) |
|----------------------------|----------|---------------------------------------|------------------------------------------|------------------------------|--------------------------------------------|---------------------------------------------------|--------------------------------|
| 1,2DIPHENYLHYDRAZINE       | 122667   |                                       |                                          | No Criteria                  |                                            | 2                                                 | 592                            |
| FLUORANTHENE               | 206440   |                                       |                                          | No Criteria                  |                                            | 140                                               | 41440                          |
| FLUORENE                   | 86737    |                                       |                                          | No Criteria                  |                                            | 5300                                              | 1568800                        |
| HEXACHLOROBENZENE          | 118741   |                                       |                                          | No Criteria                  |                                            | 0.0029                                            | 0.8584                         |
| HEXACHLOROBUTADIENE        | 87683    |                                       |                                          | No Criteria                  |                                            | 180                                               | 53280                          |
| HEXACHLOROCYCLOPENTADIENE  | 77474    |                                       |                                          | No Criteria                  |                                            | 1100                                              | 325600                         |
| HEXACHLOROETHANE           | 67721    |                                       |                                          | No Criteria                  |                                            | 33                                                | 9768                           |
| ISOPHORONE                 | 78591    |                                       |                                          | No Criteria                  |                                            | 9600                                              | 2841600                        |
| NAPHTHALENE                | 91203    |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| NITROBENZENE               | 98953    |                                       |                                          | No Criteria                  |                                            | 690                                               | 204240                         |
| NNITROSODIMETHYLAMINE      | 62759    |                                       |                                          | No Criteria                  |                                            | 30                                                | 8880                           |
| NNITROSODINPROPYLAMINE     | 621647   |                                       |                                          | No Criteria                  |                                            | 5.1                                               | 1509.6                         |
| NNITROSODIPHENYLAMINE      | 86306    |                                       |                                          | No Criteria                  |                                            | 60                                                | 17760                          |
| PYRENE                     | 129000   |                                       |                                          | No Criteria                  |                                            | 4000                                              | 1184000                        |
| 1,2,4trichlorobenzene      | 120821   |                                       |                                          | No Criteria                  |                                            | 70                                                | 20720                          |
| PESTICIDES/PCBs            |          |                                       |                                          |                              |                                            |                                                   |                                |
| ALDRIN                     | 309002   |                                       | 1.3                                      | 301.6                        |                                            | 0.0005                                            | 0.148                          |
| Alpha BHC                  | 319846   |                                       |                                          | No Criteria                  |                                            | 0.049                                             | 14.504                         |
| Beta BHC                   | 319857   |                                       |                                          | No Criteria                  |                                            | 0.17                                              | 50.32                          |
| Gamma BHC (Lindane)        | 58899    |                                       | 0.16                                     | 37.12                        |                                            | 1.8                                               | 532.8                          |
| CHLORDANE                  | 57749    |                                       | 0.09                                     | 20.88                        | 0.004                                      | 0.0081                                            | 1.184                          |
| 4,4DDT                     | 50293    |                                       | 0.13                                     | 30.16                        | 0.001                                      | 0.0022                                            | 0.296                          |
| 4,4DDE                     | 72559    |                                       |                                          | No Criteria                  |                                            | 0.0022                                            | 0.6512                         |
| 4,4DDD                     | 72548    |                                       |                                          | No Criteria                  |                                            | 0.0031                                            | 0.9176                         |
| DIELDRIN                   | 60571    |                                       | 0.71                                     | 164.72                       | 0.0019                                     | 0.00054                                           | 0.15984                        |
| ENDOSULFAN (alpha)         | 959988   |                                       | 0.034                                    | 7.888                        | 0.0087                                     | 89                                                | 2.5752                         |
| ENDOSULFAN (beta)          | 33213659 |                                       | 0.034                                    | 7.888                        | 0.0087                                     | 89                                                | 2.5752                         |
| ENDOSULFAN (sulfate)       | 1031078  |                                       |                                          | No Criteria                  |                                            | 89                                                | 26344                          |
| ENDRIN                     | 72208    |                                       | 0.037                                    | 8.584                        | 0.0023                                     | 0.06                                              | 0.6808                         |
| ENDRIN ALDEHYDE            | 7421934  |                                       |                                          | No Criteria                  |                                            | 0.3                                               | 88.8                           |
| HEPTACHLOR                 | 76448    |                                       | 0.053                                    | 12.296                       | 0.0036                                     | 0.00079                                           | 0.23384                        |
| HEPTACHLOR EPOXIDE         | 1024573  |                                       | 0.053                                    | 12.296                       | 0.0036                                     | 0.00039                                           | 0.11544                        |
| POLYCHLORINATED BIPHENYLS3 | 1336363  |                                       |                                          | No Criteria                  | 0.03                                       | 0.00064                                           | 0.18944                        |
| 2,3,7,8TCDD (Dioxin)       | 1746016  |                                       |                                          | No Criteria                  |                                            | 0.000000051                                       | 0.000015096                    |
| TOXAPHENE                  | 8001352  |                                       | 0.21                                     | 48.72                        | 0.0002                                     | 0.0028                                            | 0.0592                         |
| TRIBUTYLtin                |          |                                       | 0.42                                     | 97.44                        | 0.0074                                     |                                                   | 2.1904                         |

### CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS

FACILITY NAME: Blount Seafood Corp.

RIPDES PERMIT #: RI0001121

NOTE: METALS CRITERIA ARE DISSOLVED, METALS LIMITS ARE TOTAL; AMMONIA CRITERIA AND LIMITS HAVE BEEN CONVERTED TO ug/l N.

| CHEMICAL NAME                           | CAS #    | BACKGROUND<br>CONCENTRATION<br>(ug/L) | SALTWATER<br>CRITERIA<br>ACUTE<br>(ug/L) | DAILY MAX<br>LIMIT<br>(ug/L) | SALTWATER<br>CRITERIA<br>CHRONIC<br>(ug/L) | HUMAN HEALTH<br>NON-CLASS A<br>CRITERIA<br>(ug/L) | MONTHLY AVE<br>LIMIT<br>(ug/L) |
|-----------------------------------------|----------|---------------------------------------|------------------------------------------|------------------------------|--------------------------------------------|---------------------------------------------------|--------------------------------|
| NON PRIORITY POLLUTANTS:                |          |                                       |                                          |                              |                                            |                                                   |                                |
| OTHER SUBSTANCES                        |          |                                       |                                          |                              |                                            |                                                   |                                |
| ALUMINUM (limits are total recoverable) | 7429905  | NA                                    |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| AMMONIA as N (winter/summer)            | 7664417  |                                       | 4603   3616.8                            | 1067942   839098             | 690.5   542.5                              |                                                   | 204382   160586                |
| 4BROMOPHENYL PHENYL ETHER               |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| CHLORIDE                                | 16887006 |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| CHLORINE                                | 7782505  |                                       | 13                                       | 3770                         | 7.5                                        |                                                   | 2775                           |
| 4CHLORO2METHYLPHENOL                    |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 1CHLORONAPHTHALENE                      |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 4CHLOROPHENOL                           | 106489   |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 2,4DICHLORO6METHYLPHENOL                |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 1,1DICHLOROPROPANE                      |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 1,3DICHLOROPROPANE                      | 142289   |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 2,3DINITROTOLUENE                       |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 2,4DINITRO6METHYL PHENOL                |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| IRON                                    | 7439896  |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| pentachlorobenzene                      | 608935   |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| PENTACHLOROETHANE                       |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 1,2,3,5tetrachlorobenzene               |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 1,1,1,2TETRACHLOROETHANE                | 630206   |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 2,3,4,6TETRACHLOROPHENOL                | 58902    |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 2,3,5,6TETRACHLOROPHENOL                |          |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 2,4,5TRICHLOROPHENOL                    | 95954    |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| 2,4,6TRINITROPHENOL                     | 88062    |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |
| XYLENE                                  | 1330207  |                                       |                                          | No Criteria                  |                                            |                                                   | No Criteria                    |



**CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS**FACILITY NAME: Blount Seafood Corp.RIPDES PERMIT #: RI0001121

| CHEMICAL NAME                     | CAS#     | DAILY MAX<br>LIMIT<br>(ug/L) | MONTHLY AVE<br>LIMIT<br>(ug/L) |
|-----------------------------------|----------|------------------------------|--------------------------------|
| <b>PRIORITY POLLUTANTS:</b>       |          |                              |                                |
| <b>TOXIC METALS AND CYANIDE</b>   |          |                              |                                |
| ANTIMONY                          | 7440360  | No Criteria                  | 189440.00                      |
| ARSENIC, TOTAL                    | 7440382  | 16008.00                     | 414.40                         |
| ASBESTOS                          | 1332214  | No Criteria                  | No Criteria                    |
| BERYLLIUM                         | 7440417  | No Criteria                  | No Criteria                    |
| CADMIUM, TOTAL                    | 7440439  | 9336.02                      | 2620.52                        |
| CHROMIUM III, TOTAL               | 16065831 | No Criteria                  | No Criteria                    |
| CHROMIUM VI, TOTAL                | 18540299 | 256998.99                    | 14904.33                       |
| COPPER, TOTAL                     | 7440508  | 1341.69                      | 1105.54                        |
| CYANIDE                           | 57125    | 232.00                       | 232.00                         |
| LEAD, TOTAL                       | 7439921  | 51230.28                     | 2521.14                        |
| MERCURY, TOTAL                    | 7439976  | 491.29                       | 44.40                          |
| NICKEL, TOTAL                     | 7440020  | 17341.41                     | 2451.72                        |
| SELENIUM, TOTAL                   | 7782492  | 67414.83                     | 21058.12                       |
| SILVER, TOTAL                     | 7440224  | 518.59                       | No Criteria                    |
| THALLIUM                          | 7440280  | No Criteria                  | 139.12                         |
| ZINC, TOTAL                       | 7440666  | 22071.88                     | 22071.88                       |
| <b>VOLATILE ORGANIC COMPOUNDS</b> |          |                              |                                |
| ACROLEIN                          | 107028   | No Criteria                  | 85840.00                       |
| ACRYLONITRILE                     | 107131   | No Criteria                  | 740.00                         |
| BENZENE                           | 71432    | No Criteria                  | 150960.00                      |
| BROMOFORM                         | 75252    | No Criteria                  | 414400.00                      |
| CARBON TETRACHLORIDE              | 56235    | No Criteria                  | 4736.00                        |
| CHLOROBENZENE                     | 108907   | No Criteria                  | 473600.00                      |
| CHLORODIBROMOMETHANE              | 124481   | No Criteria                  | 38480.00                       |
| CHLOROFORM                        | 67663    | No Criteria                  | 1391200.00                     |
| DICHLOROBROMOMETHANE              | 75274    | No Criteria                  | 50320.00                       |
| 1,2DICHLOROETHANE                 | 107062   | No Criteria                  | 109520.00                      |
| 1,1DICHLOROETHYLENE               | 75354    | No Criteria                  | 2101600.00                     |
| 1,2DICHLOROPROPANE                | 78875    | No Criteria                  | 44400.00                       |
| 1,3DICHLOROPROPYLENE              | 542756   | No Criteria                  | 6216.00                        |
| ETHYLBENZENE                      | 100414   | No Criteria                  | 621600.00                      |
| BROMOMETHANE (methyl bromide)     | 74839    | No Criteria                  | 444000.00                      |
| CHLOROMETHANE (methyl chloride)   | 74873    | No Criteria                  | No Criteria                    |
| METHYLENE CHLORIDE                | 75092    | No Criteria                  | 1746400.00                     |
| 1,1,2,2TETRACHLOROETHANE          | 79345    | No Criteria                  | 11840.00                       |

| CHEMICAL NAME                 | CAS#   | DAILY MAX<br>LIMIT<br>(ug/L) | MONTHLY AVE<br>LIMIT<br>(ug/L) |
|-------------------------------|--------|------------------------------|--------------------------------|
| TETRACHLOROETHYLENE           | 127184 | No Criteria                  | 9768.00                        |
| TOLUENE                       | 108883 | No Criteria                  | 4440000.00                     |
| 1,2TRANS-DICHLOROETHYLENE     | 156605 | No Criteria                  | 2960000.00                     |
| 1,1,1TRICHLOROETHANE          | 71556  | No Criteria                  | No Criteria                    |
| 1,1,2TRICHLOROETHANE          | 79005  | No Criteria                  | 47360.00                       |
| TRICHLOROETHYLENE             | 79016  | No Criteria                  | 88800.00                       |
| VINYL CHLORIDE                | 75014  | No Criteria                  | 710.40                         |
| <b>ACID ORGANIC COMPOUNDS</b> |        |                              |                                |
| 2CHLOROPHENOL                 | 95578  | No Criteria                  | 44400.00                       |
| 2,4DICHLOROPHENOL             | 120832 | No Criteria                  | 85840.00                       |
| 2,4DIMETHYLPHENOL             | 105679 | No Criteria                  | 251600.00                      |
| 4,6DINITRO-2-METHYL PHENOL    | 534521 | No Criteria                  | 82880.00                       |
| 2,4DINITROPHENOL              | 51285  | No Criteria                  | 1568800.00                     |
| 4NITROPHENOL                  | 88755  | No Criteria                  | No Criteria                    |
| PENTACHLOROPHENOL             | 87865  | 3016.00                      | 2338.40                        |
| PHENOL                        | 108952 | No Criteria                  | 503200000.00                   |
| 2,4,6TRICHLOROPHENOL          | 88062  | No Criteria                  | 7104.00                        |
| <b>BASE NEUTRAL COMPOUNDS</b> |        |                              |                                |
| ACENAPHTHENE                  | 83329  | No Criteria                  | 293040.00                      |
| ANTHRACENE                    | 120127 | No Criteria                  | 11840000.00                    |
| BENZIDINE                     | 92875  | No Criteria                  | 0.59                           |
| PAHs                          |        | No Criteria                  | 53.28                          |
| BIS(2CHLOROETHYL)ETHER        | 111444 | No Criteria                  | 1568.80                        |
| BIS(2CHLOROISOPROPYL)ETHER    | 108601 | No Criteria                  | 19240000.00                    |
| BIS(2ETHYLHEXYL)PHTHALATE     | 117817 | No Criteria                  | 6512.00                        |
| BUTYL BENZYL PHTHALATE        | 85687  | No Criteria                  | 562400.00                      |
| 2CHLORONAPHTHALENE            | 91587  | No Criteria                  | 473600.00                      |
| 1,2DICHLOROBENZENE            | 95501  | No Criteria                  | 384800.00                      |
| 1,3DICHLOROBENZENE            | 541731 | No Criteria                  | 284160.00                      |
| 1,4DICHLOROBENZENE            | 106467 | No Criteria                  | 56240.00                       |
| 3,3DICHLOROBENZIDENE          | 91941  | No Criteria                  | 82.88                          |
| DIETHYL PHTHALATE             | 84662  | No Criteria                  | 13024000.00                    |
| DIMETHYL PHTHALATE            | 131113 | No Criteria                  | 325600000.00                   |
| DI-n-BUTYL PHTHALATE          | 84742  | No Criteria                  | 1332000.00                     |
| 2,4DINITROTOLUENE             | 121142 | No Criteria                  | 10064.00                       |
| 1,2DIPHENYLHYDRAZINE          | 122667 | No Criteria                  | 592.00                         |
| FLUORANTHENE                  | 206440 | No Criteria                  | 41440.00                       |

# CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS

FACILITY NAME: Blount Seafood Corp.RIPDES PERMIT #: RI0001121

| CHEMICAL NAME              | CAS#     | DAILY MAX<br>LIMIT<br>(ug/L) | MONTHLY AVE<br>LIMIT<br>(ug/L) |
|----------------------------|----------|------------------------------|--------------------------------|
| FLUORENE                   | 86737    | No Criteria                  | 1568800.00                     |
| HEXACHLOROBENZENE          | 118741   | No Criteria                  | 0.86                           |
| HEXACHLOROBUTADIENE        | 87683    | No Criteria                  | 53280.00                       |
| HEXACHLOROCYCLOPENTADIENE  | 77474    | No Criteria                  | 325600.00                      |
| HEXACHLOROETHANE           | 67721    | No Criteria                  | 9768.00                        |
| ISOPHORONE                 | 78591    | No Criteria                  | 2841600.00                     |
| NAPHTHALENE                | 91203    | No Criteria                  | No Criteria                    |
| NITROBENZENE               | 98953    | No Criteria                  | 204240.00                      |
| N-NITROSODIMETHYLAMINE     | 62759    | No Criteria                  | 8880.00                        |
| N-NITROSODI-N-PROPYLAMINE  | 621647   | No Criteria                  | 1509.60                        |
| N-NITROSODIPHENYLAMINE     | 86306    | No Criteria                  | 17760.00                       |
| PYRENE                     | 129000   | No Criteria                  | 1184000.00                     |
| 1,2,4trichlorobenzene      | 120821   | No Criteria                  | 20720.00                       |
| PESTICIDES/PCBs            |          |                              |                                |
| ALDRIN                     | 309002   | 301.60                       | 0.15                           |
| Alpha BHC                  | 319846   | No Criteria                  | 14.50                          |
| Beta BHC                   | 319857   | No Criteria                  | 50.32                          |
| Gamma BHC (Lindane)        | 58899    | 37.12                        | 37.12                          |
| CHLORDANE                  | 57749    | 20.88                        | 1.18                           |
| 4,4DDT                     | 50293    | 30.16                        | 0.30                           |
| 4,4DDE                     | 72559    | No Criteria                  | 0.65                           |
| 4,4DDD                     | 72548    | No Criteria                  | 0.92                           |
| DIELDRIN                   | 60571    | 164.72                       | 0.16                           |
| ENDOSULFAN (alpha)         | 959988   | 7.89                         | 2.58                           |
| ENDOSULFAN (beta)          | 33213659 | 7.89                         | 2.58                           |
| ENDOSULFAN (sulfate)       | 1031078  | No Criteria                  | 26344.00                       |
| ENDRIN                     | 72208    | 8.58                         | 0.68                           |
| ENDRIN ALDEHYDE            | 7421934  | No Criteria                  | 88.80                          |
| HEPTACHLOR                 | 76448    | 12.30                        | 0.23                           |
| HEPTACHLOR EPOXIDE         | 1024573  | 12.30                        | 0.12                           |
| POLYCHLORINATED BIPHENYLS3 | 1336363  | No Criteria                  | 0.19                           |
| 2,3,7,8TCDD (Dioxin)       | 1746016  | No Criteria                  | 0.00                           |
| TOXAPHENE                  | 8001352  | 48.72                        | 0.06                           |
| TRIBUTYLTIN                |          | 97.44                        | 2.19                           |

| CHEMICAL NAME                    | CAS#     | DAILY MAX<br>LIMIT<br>(ug/L) | MONTHLY AVE<br>LIMIT<br>(ug/L) |
|----------------------------------|----------|------------------------------|--------------------------------|
| NON PRIORITY POLLUTANTS:         |          |                              |                                |
| OTHER SUBSTANCES                 |          |                              |                                |
| ALUMINUM, TOTAL                  | 7429905  | No Criteria                  | No Criteria                    |
| AMMONIA (as N), WINTER (NOV-APR) | 7664417  | 1067942.40                   | 204382.08                      |
| AMMONIA (as N), SUMMER (MAY-OC)  | 7664417  | 839097.60                    | 160585.92                      |
| 4BROMOPHENYL PHENYL ETHER        |          | No Criteria                  | No Criteria                    |
| CHLORIDE                         | 16887006 | No Criteria                  | No Criteria                    |
| CHLORINE                         | 7782505  | 3770.00                      | 2775.00                        |
| 4CHLORO2METHYLPHENOL             |          | No Criteria                  | No Criteria                    |
| 1CHLORONAPHTHALENE               |          | No Criteria                  | No Criteria                    |
| 4CHLOROPHENOL                    | 106489   | No Criteria                  | No Criteria                    |
| 2,4DICHLORO6METHYLPHENOL         |          | No Criteria                  | No Criteria                    |
| 1,1DICHLOROPROPANE               |          | No Criteria                  | No Criteria                    |
| 1,3DICHLOROPROPANE               | 142289   | No Criteria                  | No Criteria                    |
| 2,3DINITROTOLUENE                |          | No Criteria                  | No Criteria                    |
| 2,4DINITRO6METHYL PHENOL         |          | No Criteria                  | No Criteria                    |
| IRON                             | 7439896  | No Criteria                  | No Criteria                    |
| pentachlorobenzene               | 608935   | No Criteria                  | No Criteria                    |
| PENTACHLOROETHANE                |          | No Criteria                  | No Criteria                    |
| 1,2,3,5tetrachlorobenzene        |          | No Criteria                  | No Criteria                    |
| 1,1,1,2TETRACHLOROETHANE         | 630206   | No Criteria                  | No Criteria                    |
| 2,3,4,6TETRACHLOROPHENOL         | 58902    | No Criteria                  | No Criteria                    |
| 2,3,5,6TETRACHLOROPHENOL         |          | No Criteria                  | No Criteria                    |
| 2,4,5TRICHLOROPHENOL             | 95954    | No Criteria                  | No Criteria                    |
| 2,4,6TRINITROPHENOL              | 88062    | No Criteria                  | No Criteria                    |
| XYLENE                           | 1330207  | No Criteria                  | No Criteria                    |

## **Attachment G1**

### **Effluent Compliance Data December 2010-May 2021**

**BLOUNT SEAFOOD CORPORATION****DMR Data Summary 11/12/25****\*\*\* NOT ICIS CERTIFIED\*\*\*****0021**

Coliform, fecal general Location= 1

|            | MO AVG MPN/100mL | DAILY MX MPN/100mL |
|------------|------------------|--------------------|
| Mean       | .7934            | .8099              |
| Minimum    | .                | .                  |
| Maximum    | 2.               | 4.                 |
| Data Count | 121              | 121                |

Flow, in conduit or thru treatment plant Location= 1

|            | MO AVG MGD | DAILY MX MGD |
|------------|------------|--------------|
| Mean       | .024       | .0417        |
| Minimum    | .00087     | .02          |
| Maximum    | .098793    | .177         |
| Data Count | 121        | 121          |

Nitrogen, Kjeldahl, total [as N] Location= 1

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 19.9445     | 33.3421       |
| Minimum    | .48         | 3.5           |
| Maximum    | 222.        | 430.          |
| Data Count | 121         | 121           |

Nitrogen, nitrate total [as N] Location= 1

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | .3708       | 1.2117        |
| Minimum    | .           | .             |
| Maximum    | 9.          | 37.           |
| Data Count | 121         | 121           |

Nitrogen, nitrite total [as N] Location= 1

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | .3582       | 1.1578        |
| Minimum    | .           | .             |
| Maximum    | 9.          | 37.           |
| Data Count | 121         | 121           |

Nitrogen, total [as N] Location= 1

|            | MO AVG lb/d |
|------------|-------------|
| Mean       | 11.7817     |
| Minimum    | .           |
| Maximum    | 209.        |
| Data Count | 120         |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 16.3231     | 35.2328       |
| Minimum    | .43         | 4.25          |
| Maximum    | 222.        | 430.          |
| Data Count | 121         | 121           |

pH Location= 1

|            | MINIMUM SU | MAXIMUM SU |
|------------|------------|------------|
| Mean       | 6.7111     | 6.8612     |
| Minimum    | 6.5        | 6.5        |
| Maximum    | 7.9        | 8.3        |
| Data Count | 121        | 121        |

Solids, settleable Location= 1

|            | MO AVG mL/L | DAILY MX mL/L |
|------------|-------------|---------------|
| Mean       | 1.495       | 1.5702        |
| Minimum    | .1          | .5            |
| Maximum    | 54.         | 54.           |
| Data Count | 121         | 121           |

Temperature, water deg. fahrenheit Location= 1

|            | DAILY MX deg F |
|------------|----------------|
| Mean       | 81.405         |
| Minimum    | 76.            |
| Maximum    | 88.            |
| Data Count | 121            |

002A

BOD, 5-day, 20 deg. C Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 29.3529     | 66.2055       |
| Minimum    | 5.          | 13.           |
| Maximum    | 89.15       | 494.          |
| Data Count | 112         | 112           |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 147.6098    | 325.4821      |
| Minimum    | .           | .             |
| Maximum    | 755.        | 2700.         |
| Data Count | 112         | 112           |

Oil &amp; Grease Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 8.1456      | 17.8847       |
| Minimum    | .3          | .5            |
| Maximum    | 33.6        | 64.95         |
| Data Count | 112         | 112           |

|         | MO AVG mg/L | DAILY MX mg/L |
|---------|-------------|---------------|
| Mean    | 40.4279     | 88.508        |
| Minimum | 1.          | 2.            |

|            |        |      |
|------------|--------|------|
| Maximum    | 175.13 | 380. |
| Data Count | 112    | 112  |

## Solids, total suspended Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 14.4015     | 28.5735       |
| Minimum    | 1.8         | 4.            |
| Maximum    | 45.         | 147.22        |
| Data Count | 112         | 112           |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 69.097      | 137.2391      |
| Minimum    | 11.         | 18.           |
| Maximum    | 228.6       | 700.          |
| Data Count | 112         | 112           |

## Total production - mass Location= 1

|            | MO AVG lb/d |
|------------|-------------|
| Mean       | 55243.9565  |
| Minimum    | .           |
| Maximum    | 96491.      |
| Data Count | 111         |

002C

## BOD, 5-day, 20 deg. C Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 1157.       | 1968.         |
| Minimum    | 1157.       | 1968.         |
| Maximum    | 1157.       | 1968.         |
| Data Count | 1           | 1             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 1456.       | 1900.         |
| Minimum    | 1456.       | 1900.         |
| Maximum    | 1456.       | 1900.         |
| Data Count | 1           | 1             |

## Oil &amp; Grease Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 48.         | 145.          |
| Minimum    | 48.         | 145.          |
| Maximum    | 48.         | 145.          |
| Data Count | 1           | 1             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 54.         | 140.          |
| Minimum    | 54.         | 140.          |
| Maximum    | 54.         | 140.          |
| Data Count | 1           | 1             |

## Solids, total suspended Location= 1

|  | MO AVG lb/d | DAILY MX lb/d |
|--|-------------|---------------|
|--|-------------|---------------|

|            |             |               |
|------------|-------------|---------------|
| Mean       | 386.        | 712.          |
| Minimum    | 386.        | 712.          |
| Maximum    | 386.        | 712.          |
| Data Count | 1           | 1             |
|            |             |               |
|            | MO AVG mg/L | DAILY MX mg/L |
| Mean       | 431.        | 690.          |
| Minimum    | 431.        | 690.          |
| Maximum    | 431.        | 690.          |
| Data Count | 1           | 1             |

## Total production - mass Location= 1

|            |             |
|------------|-------------|
|            | MO AVG lb/d |
| Mean       | 222720.     |
| Minimum    | 222720.     |
| Maximum    | 222720.     |
| Data Count | 1           |

002D

## BOD, 5-day, 20 deg. C Location= 1

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG lb/d | DAILY MX lb/d |
| Mean       | 755.8633    | 1843.7367     |
| Minimum    | 23.92       | 36.81         |
| Maximum    | 1233.       | 2984.4        |
| Data Count | 3           | 3             |
|            |             |               |
|            | MO AVG mg/L | DAILY MX mg/L |
| Mean       | 961.9833    | 1856.6667     |
| Minimum    | 109.7       | 170.          |
| Maximum    | 1466.25     | 3200.         |
| Data Count | 3           | 3             |

## Oil &amp; Grease Location= 1

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG lb/d | DAILY MX lb/d |
| Mean       | 24.0067     | 53.9633       |
| Minimum    | 12.82       | 18.19         |
| Maximum    | 33.2        | 93.7          |
| Data Count | 3           | 3             |
|            |             |               |
|            | MO AVG mg/L | DAILY MX mg/L |
| Mean       | 46.3967     | 77.6667       |
| Minimum    | 28.         | 46.           |
| Maximum    | 57.31       | 97.           |
| Data Count | 3           | 3             |

## Solids, total suspended Location= 1

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG lb/d | DAILY MX lb/d |
| Mean       | 169.3967    | 455.3767      |
| Minimum    | 18.4        | 25.98         |
| Maximum    | 258.79      | 895.15        |
| Data Count | 3           | 3             |
|            |             |               |
|            | MO AVG mg/L | DAILY MX mg/L |

|            |          |      |
|------------|----------|------|
| Mean       | 222.1667 | 460. |
| Minimum    | 84.      | 130. |
| Maximum    | 342.5    | 860. |
| Data Count | 3        | 3    |

Total production - mass Location= 1

|            |             |
|------------|-------------|
|            | MO AVG lb/d |
| Mean       | 184132.     |
| Minimum    | 88396.      |
| Maximum    | 256000.     |
| Data Count | 3           |

## 002E

BOD, 5-day, 20 deg. C Location= 1

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG lb/d | DAILY MX lb/d |
| Mean       | 1449.5      | 2963.         |
| Minimum    | 1366.       | 2678.         |
| Maximum    | 1533.       | 3248.         |
| Data Count | 2           | 2             |

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG mg/L | DAILY MX mg/L |
| Mean       | 1456.       | 2500.         |
| Minimum    | 1278.       | 2400.         |
| Maximum    | 1634.       | 2600.         |
| Data Count | 2           | 2             |

Oil & Grease Location= 1

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG lb/d | DAILY MX lb/d |
| Mean       | 51.         | 114.5         |
| Minimum    | 46.         | 63.           |
| Maximum    | 56.         | 166.          |
| Data Count | 2           | 2             |

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG mg/L | DAILY MX mg/L |
| Mean       | 47.5        | 101.          |
| Minimum    | 38.         | 52.           |
| Maximum    | 57.         | 150.          |
| Data Count | 2           | 2             |

Solids, total suspended Location= 1

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG lb/d | DAILY MX lb/d |
| Mean       | 355.5       | 853.          |
| Minimum    | 326.        | 590.          |
| Maximum    | 385.        | 1116.         |
| Data Count | 2           | 2             |

|            |             |               |
|------------|-------------|---------------|
|            | MO AVG mg/L | DAILY MX mg/L |
| Mean       | 361.5       | 755.          |
| Minimum    | 329.        | 510.          |
| Maximum    | 394.        | 1000.         |
| Data Count | 2           | 2             |

Total production - mass Location= 1



|            | MO AVG lb/d |
|------------|-------------|
| Mean       | 283500.5    |
| Minimum    | 267946.     |
| Maximum    | 299055.     |
| Data Count | 2           |

002F

BOD, 5-day, 20 deg. C Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 2130.41     | 3213.39       |
| Minimum    | 1466.58     | 2573.04       |
| Maximum    | 2907.23     | 4251.77       |
| Data Count | 3           | 3             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 2010.5833   | 2800.         |
| Minimum    | 1338.75     | 2300.         |
| Maximum    | 2755.5      | 3700.         |
| Data Count | 3           | 3             |

Oil &amp; Grease Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 74.6833     | 147.37        |
| Minimum    | 67.03       | 133.02        |
| Maximum    | 88.41       | 169.2         |
| Data Count | 3           | 3             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 68.26       | 126.          |
| Minimum    | 61.25       | 98.           |
| Maximum    | 81.78       | 160.          |
| Data Count | 3           | 3             |

Solids, total suspended Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 623.5433    | 928.7433      |
| Minimum    | 562.47      | 853.53        |
| Maximum    | 658.37      | 967.43        |
| Data Count | 3           | 3             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 585.3167    | 836.6667      |
| Minimum    | 532.2       | 740.          |
| Maximum    | 643.75      | 950.          |
| Data Count | 3           | 3             |

Total production - mass Location= 1

|         | MO AVG lb/d |
|---------|-------------|
| Mean    | 278704.6667 |
| Minimum | 276677.     |
| Maximum | 282149.     |

Data Count 3

002G

BOD, 5-day, 20 deg. C Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 2435.93     | 3876.22       |
| Minimum    | 2435.93     | 3876.22       |
| Maximum    | 2435.93     | 3876.22       |
| Data Count | 1           | 1             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 2055.       | 3500.         |
| Minimum    | 2055.       | 3500.         |
| Maximum    | 2055.       | 3500.         |
| Data Count | 1           | 1             |

Oil &amp; Grease Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 77.12       | 131.9         |
| Minimum    | 77.12       | 131.9         |
| Maximum    | 77.12       | 131.9         |
| Data Count | 1           | 1             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 65.11       | 120.          |
| Minimum    | 65.11       | 120.          |
| Maximum    | 65.11       | 120.          |
| Data Count | 1           | 1             |

Solids, total suspended Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 832.32      | 1447.23       |
| Minimum    | 832.32      | 1447.23       |
| Maximum    | 832.32      | 1447.23       |
| Data Count | 1           | 1             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 686.        | 1100.         |
| Minimum    | 686.        | 1100.         |
| Maximum    | 686.        | 1100.         |
| Data Count | 1           | 1             |

Total production - mass Location= 1

|            | MO AVG lb/d |
|------------|-------------|
| Mean       | 323680.     |
| Minimum    | 323680.     |
| Maximum    | 323680.     |
| Data Count | 1           |

**Attachment G2**

**Effluent Compliance Data June 2021-September 2025**

**BLOUNT SEAFOOD CORPORATION****DMR Data Summary 11/12/25****\*\*\* NOT ICIS CERTIFIED\*\*\*****0021**

Coliform, fecal general Location= 1

|            | MO AVG MPN/100mL | DAILY MX MPN/100mL |
|------------|------------------|--------------------|
| Mean       | 5.9185           | 161.6981           |
| Minimum    | 1.8              | 1.8                |
| Maximum    | 179.43           | 1600.              |
| Data Count | 52               | 52                 |

Flow, in conduit or thru treatment plant Location= 1

|            | MO AVG MGD | DAILY MX MGD |
|------------|------------|--------------|
| Mean       | .0344      | .0465        |
| Minimum    | .022647    | .03          |
| Maximum    | .07        | .065         |
| Data Count | 52         | 52           |

Nitrogen, Kjeldahl, total [as N] Location= 1

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 12.9506     | 22.4904       |
| Minimum    | 4.81        | 9.3           |
| Maximum    | 23.1        | 72.           |
| Data Count | 52          | 52            |

Nitrogen, nitrate total [as N] Location= 1

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | .0806       | .607          |
| Minimum    | .           | .             |
| Maximum    | 1.89        | 15.           |
| Data Count | 52          | 52            |

Nitrogen, nitrite total [as N] Location= 1

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | .0067       | .0252         |
| Minimum    | .           | .             |
| Maximum    | .05         | .14           |
| Data Count | 52          | 52            |

Nitrogen, total [as N] Location= 1

|            | MO AVG lb/d |
|------------|-------------|
| Mean       | 3.9854      |
| Minimum    | 1.14        |
| Maximum    | 8.15        |
| Data Count | 52          |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 13.3677     | 23.2573       |
| Minimum    | 5.03        | 9.36          |
| Maximum    | 23.39       | 73.2          |
| Data Count | 52          | 52            |

pH Location= 1

|            | MINIMUM SU | MAXIMUM SU |
|------------|------------|------------|
| Mean       | 6.6937     | 7.1473     |
| Minimum    | 6.5        | 6.7        |
| Maximum    | 7.24       | 8.4        |
| Data Count | 52         | 52         |

Solids, settleable Location= 1

|            | MO AVG mL/L | DAILY MX mL/L |
|------------|-------------|---------------|
| Mean       | 1.8396      | 4.4827        |
| Minimum    | .27         | 1.            |
| Maximum    | 10.175      | 35.           |
| Data Count | 52          | 52            |

Temperature, water deg. fahrenheit Location= 1

|            | DAILY MX deg F |
|------------|----------------|
| Mean       | 94.8269        |
| Minimum    | 78.            |
| Maximum    | 120.           |
| Data Count | 52             |

002A

BOD, 5-day, 20 deg. C Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 64.1842     | 131.1424      |
| Minimum    | 13.68       | 20.82         |
| Maximum    | 164.64      | 299.77        |
| Data Count | 38          | 38            |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 227.9322    | 456.4474      |
| Minimum    | 61.125      | 100.          |
| Maximum    | 602.        | 1200.         |
| Data Count | 38          | 38            |

Oil &amp; Grease Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 21.6411     | 66.7797       |
| Minimum    | 2.36        | 7.39          |
| Maximum    | 63.6        | 324.75        |
| Data Count | 38          | 38            |

|         | MO AVG mg/L | DAILY MX mg/L |
|---------|-------------|---------------|
| Mean    | 79.2776     | 212.4158      |
| Minimum | 8.73        | 26.           |

|            |       |       |
|------------|-------|-------|
| Maximum    | 276.1 | 1300. |
| Data Count | 38    | 38    |

## Solids, total suspended Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 34.4366     | 66.2368       |
| Minimum    | 7.23        | 18.49         |
| Maximum    | 72.37       | 129.15        |
| Data Count | 38          | 38            |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 123.4209    | 231.1053      |
| Minimum    | 27.625      | 60.           |
| Maximum    | 269.        | 470.          |
| Data Count | 38          | 38            |

## Total production - mass Location= 1

|            | MO AVG lb/d |
|------------|-------------|
| Mean       | 88031.9737  |
| Minimum    | 61656.      |
| Maximum    | 113366.     |
| Data Count | 38          |

002B

## BOD, 5-day, 20 deg. C Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 87.2809     | 172.1445      |
| Minimum    | 56.52       | 133.23        |
| Maximum    | 125.2       | 245.81        |
| Data Count | 11          | 11            |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 265.4073    | 490.9091      |
| Minimum    | 152.25      | 350.          |
| Maximum    | 368.7       | 720.          |
| Data Count | 11          | 11            |

## Oil &amp; Grease Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 33.1218     | 99.1055       |
| Minimum    | 12.97       | 45.03         |
| Maximum    | 62.05       | 199.7         |
| Data Count | 11          | 11            |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 98.5943     | 277.2727      |
| Minimum    | 35.69       | 120.          |
| Maximum    | 179.625     | 560.          |
| Data Count | 11          | 11            |

## Solids, total suspended Location= 1

|  | MO AVG lb/d | DAILY MX lb/d |
|--|-------------|---------------|
|--|-------------|---------------|

|            |         |          |
|------------|---------|----------|
| Mean       | 47.7336 | 111.1982 |
| Minimum    | 31.22   | 55.21    |
| Maximum    | 86.98   | 290.23   |
| Data Count | 11      | 11       |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 144.8809    | 321.8182      |
| Minimum    | 93.         | 130.          |
| Maximum    | 252.38      | 890.          |
| Data Count | 11          | 11            |

## Total production - mass Location= 1

|            | MO AVG lb/d |
|------------|-------------|
| Mean       | 131769.6364 |
| Minimum    | 121434.     |
| Maximum    | 142203.     |
| Data Count | 11          |

002C

## BOD, 5-day, 20 deg. C Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 125.445     | 269.99        |
| Minimum    | 121.        | 249.98        |
| Maximum    | 129.89      | 290.          |
| Data Count | 2           | 2             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 454.875     | 830.          |
| Minimum    | 446.        | 790.          |
| Maximum    | 463.75      | 870.          |
| Data Count | 2           | 2             |

## Oil &amp; Grease Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 41.37       | 71.28         |
| Minimum    | 25.6        | 49.3          |
| Maximum    | 57.14       | 93.26         |
| Data Count | 2           | 2             |

|            | MO AVG mg/L | DAILY MX mg/L |
|------------|-------------|---------------|
| Mean       | 156.        | 300.          |
| Minimum    | 103.        | 200.          |
| Maximum    | 209.        | 400.          |
| Data Count | 2           | 2             |

## Solids, total suspended Location= 1

|            | MO AVG lb/d | DAILY MX lb/d |
|------------|-------------|---------------|
| Mean       | 62.685      | 113.11        |
| Minimum    | 37.2        | 77.           |
| Maximum    | 88.17       | 149.22        |
| Data Count | 2           | 2             |

|  | MO AVG mg/L | DAILY MX mg/L |
|--|-------------|---------------|
|--|-------------|---------------|

|            |         |      |
|------------|---------|------|
| Mean       | 235.625 | 445. |
| Minimum    | 145.    | 250. |
| Maximum    | 326.25  | 640. |
| Data Count | 2       | 2    |

Total production - mass Location= 1

|            | MO AVG lb/d |
|------------|-------------|
| Mean       | 159864.5    |
| Minimum    | 157959.     |
| Maximum    | 161770.     |
| Data Count | 2           |



**Attachment H**  
**2018 Priority Pollutant Scan Data**

| Parameter         | Concentration | Units |
|-------------------|---------------|-------|
| Trichloroethylene | 78            | ug/L  |
| Chlorobenzene     | 98            | ug/L  |
| Benzene           | 21            | ug/L  |

## **Attachment I**

### **Calculations of Allowable Limits Based on Aquatic Life and Human Health Criteria**

**Facility Name: *Blount Seafood Corp.***

**RIPDES Permit #: *RI0001121***

**Outfall #: *001***

NOTE: METALS LIMITS ARE TOTAL METALS

| Parameter                                   | CAS #    | Concentration Limits (ug/L) |             | Antideg.<br>Limits (ug/L)<br>Monthly Ave | PPS & Perm Ap Data (ug/L) |              | Ave. DMR Data (ug/L) |             | Potential   |             |   |
|---------------------------------------------|----------|-----------------------------|-------------|------------------------------------------|---------------------------|--------------|----------------------|-------------|-------------|-------------|---|
|                                             |          | Based on WQ Criteria        |             |                                          | 5/17/18 PPS / 2021 Ap     | 12/'10-9/'24 | Permit Limits (ug/L) |             |             |             |   |
|                                             |          | Daily Max                   | Monthly Ave |                                          |                           |              | Daily Max            | Monthly Ave | Daily Max   | Monthly Ave |   |
| PRIORITY POLLUTANTS                         |          |                             |             |                                          |                           |              |                      |             |             |             |   |
| TOXIC METALS AND CYANIDE                    |          |                             |             |                                          |                           |              |                      |             |             |             |   |
| ANTIMONY                                    | 7440360  | No Criteria                 | 189440.00   | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 189440      |   |
| ARSENIC (limits are total recoverable)      | 7440382  | 16008.00                    | 414.40      | ---                                      | ---                       | ---          | ---                  | ---         | 16008       | 414.4       |   |
| ASBESTOS                                    | 1332214  | No Criteria                 | No Criteria | ---                                      | ---                       | ---          | ---                  | ---         | ---         | ---         |   |
| BERYLLIUM                                   | 7440417  | No Criteria                 | No Criteria | ---                                      | ---                       | ---          | ---                  | ---         | ---         | ---         |   |
| CADMIUM (limits are total recoverable)      | 7440439  | 9336.02                     | 2620.52     | ---                                      | ---                       | ---          | ---                  | ---         | 9336.016097 | 2620.523139 |   |
| CHROMIUM III (limits are total recoverable) | 16065831 | No Criteria                 | No Criteria | ---                                      | ---                       | ---          | ---                  | ---         | ---         | ---         |   |
| CHROMIUM VI (limits are total recoverable)  | 18540299 | 256998.99                   | 14904.33    | ---                                      | ---                       | ---          | ---                  | ---         | 256998.993  | 14904.33031 |   |
| COPPER (limits are total recoverable)       | 7440508  | 1341.69                     | 1105.54     | ---                                      | ---                       | ---          | ---                  | ---         | 1341.686747 | 1105.542169 |   |
| CYANIDE                                     | 57125    | 232.00                      | 232.00      | ---                                      | ---                       | ---          | ---                  | ---         | 232         | 232         |   |
| LEAD (limits are total recoverable)         | 7439921  | 51230.28                    | 2521.14     | ---                                      | ---                       | ---          | ---                  | ---         | 51230.28391 | 2521.135647 |   |
| MERCURY (limits are total recoverable)      | 7439976  | 491.29                      | 44.40       | ---                                      | ---                       | ---          | ---                  | ---         | 491.2941176 | 44.4        |   |
| NICKEL (limits are total recoverable)       | 7440020  | 17341.41                    | 2451.72     | ---                                      | ---                       | ---          | ---                  | ---         | 17341.41414 | 2451.717172 |   |
| SELENIUM (limits are total recoverable)     | 7782492  | 67414.83                    | 21058.12    | ---                                      | ---                       | ---          | ---                  | ---         | 67414.82966 | 21058.11623 |   |
| SILVER (limits are total recoverable)       | 7440224  | 518.59                      | No Criteria | ---                                      | ---                       | ---          | ---                  | ---         | 518.5882353 | 518.5882353 |   |
| THALLIUM                                    | 7440280  | No Criteria                 | 139.12      | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 139.12      |   |
| ZINC (limits are total recoverable)         | 7440666  | 22071.88                    | 22071.88    | ---                                      | ---                       | ---          | ---                  | ---         | 22071.88161 | 22071.88161 |   |
| VOLATILE ORGANIC COMPOUNDS                  |          |                             |             |                                          |                           |              |                      |             |             |             |   |
| ACROLEIN                                    | 107028   | No Criteria                 | 85840.00    | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 85840       |   |
| ACRYLONITRILE                               | 107131   | No Criteria                 | 740.00      | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 740         |   |
| BENZENE                                     | 71432    | No Criteria                 | 150960.00   | ---                                      | 21                        | 21           | ---                  | ---         | ---         | 150960      | N |
| BROMOFORM                                   | 75252    | No Criteria                 | 414400.00   | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 414400      |   |
| CARBON TETRACHLORIDE                        | 56235    | No Criteria                 | 4736.00     | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 4736        |   |
| CHLOROBENZENE                               | 108907   | No Criteria                 | 473600.00   | ---                                      | 98                        | 98           | ---                  | ---         | ---         | 473600      | N |
| CHLORODIBROMOMETHANE                        | 124481   | No Criteria                 | 38480.00    | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 38480       |   |
| CHLOROFORM                                  | 67663    | No Criteria                 | 1391200.00  | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 1391200     |   |
| DICHLOROBROMOMETHANE                        | 75274    | No Criteria                 | 50320.00    | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 50320       |   |
| 1,2DICHLOROETHANE                           | 107062   | No Criteria                 | 109520.00   | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 109520      |   |
| 1,1DICHLOROETHYLENE                         | 75354    | No Criteria                 | 2101600.00  | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 2101600     |   |
| 1,2DICHLOROPROPANE                          | 78875    | No Criteria                 | 44400.00    | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 44400       |   |
| 1,3DICHLOROPROPYLENE                        | 542756   | No Criteria                 | 6216.00     | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 6216        |   |
| ETHYLBENZENE                                | 100414   | No Criteria                 | 621600.00   | ---                                      | ---                       | ---          | ---                  | ---         | ---         | 621600      |   |

|                                  |        |             |              |     |     |     |     |      |           |   |
|----------------------------------|--------|-------------|--------------|-----|-----|-----|-----|------|-----------|---|
| BROMOMETHANE (methyl bromide)    | 74839  | No Criteria | 444000.00    | --- | --- | --- | --- | ---  | 444000    |   |
| CHLOROMETHANE (methyl chloride)  | 74873  | No Criteria | No Criteria  | --- | --- | --- | --- | ---  | ---       |   |
| METHYLENE CHLORIDE               | 75092  | No Criteria | 1746400.00   | --- | --- | --- | --- | ---  | 1746400   |   |
| 1,1,2,2TETRACHLOROETHANE         | 79345  | No Criteria | 11840.00     | --- | --- | --- | --- | ---  | 11840     |   |
| TETRACHLOROETHYLENE              | 127184 | No Criteria | 9768.00      | --- | --- | --- | --- | ---  | 9768      |   |
| TOLUENE                          | 108883 | No Criteria | 4440000.00   | --- | --- | --- | --- | ---  | 4440000   |   |
| 1,2TRANS-DICHLOROETHYLENE        | 156605 | No Criteria | 2960000.00   | --- | --- | --- | --- | ---  | 2960000   |   |
| 1,1,1TRICHLOROETHANE             | 71556  | No Criteria | No Criteria  | --- | --- | --- | --- | ---  | ---       |   |
| 1,1,2TRICHLOROETHANE             | 79005  | No Criteria | 47360.00     | --- | --- | --- | --- | ---  | 47360     |   |
| TRICHLOROETHYLENE                | 79016  | No Criteria | 88800.00     | --- | 78  | 78  | --- | ---  | 88800     | N |
| VINYL CHLORIDE                   | 75014  | No Criteria | 710.40       | --- | --- | --- | --- | ---  | 710.4     |   |
| ACID ORGANIC COMPOUNDS           |        |             |              |     |     |     |     |      |           |   |
| 2CHLOROPHENOL                    | 95578  | No Criteria | 44400.00     | --- | --- | --- | --- | ---  | 44400     |   |
| 2,4DICHLOROPHENOL                | 120832 | No Criteria | 85840.00     | --- | --- | --- | --- | ---  | 85840     |   |
| 2,4DIMETHYLPHENOL                | 105679 | No Criteria | 251600.00    | --- | --- | --- | --- | ---  | 251600    |   |
| 4,6DINITRO-2-METHYL PHENOL       | 534521 | No Criteria | 82880.00     | --- | --- | --- | --- | ---  | 82880     |   |
| 2,4DINITROPHENOL                 | 51285  | No Criteria | 1568800.00   | --- | --- | --- | --- | ---  | 1568800   |   |
| 4-NITROPHENOL                    | 88755  | No Criteria | No Criteria  | --- | --- | --- | --- | ---  | ---       |   |
| PENTACHLOROPHENOL                | 87865  | 3016.00     | 2338.40      | --- | --- | --- | --- | 3016 | 2338.4    |   |
| PHENOL                           | 108952 | No Criteria | 503200000.00 | --- | --- | --- | --- | ---  | 503200000 |   |
| 2,4,6-TRICHLOROPHENOL            | 88062  | No Criteria | 7104.00      | --- | --- | --- | --- | ---  | 7104      |   |
| BASE NEUTRAL COMPOUNDS           |        |             |              |     |     |     |     |      |           |   |
| ACENAPHTHENE                     | 83329  | No Criteria | 293040.00    | --- | --- | --- | --- | ---  | 293040    |   |
| ANTHRACENE                       | 120127 | No Criteria | 11840000.00  | --- | --- | --- | --- | ---  | 11840000  |   |
| BENZIDINE                        | 92875  | No Criteria | 0.59         | --- | --- | --- | --- | ---  | 0.592     |   |
| POLYCYCLIC AROMATIC HYDROCARBONS |        | No Criteria | 53.28        | --- | --- | --- | --- | ---  | 53.28     |   |
| BIS(2CHLOROETHYL)ETHER           | 111444 | No Criteria | 1568.80      | --- | --- | --- | --- | ---  | 1568.8    |   |
| BIS(2CHLOROISOPROPYL)ETHER       | 108601 | No Criteria | 19240000.00  | --- | --- | --- | --- | ---  | 19240000  |   |
| BIS(2ETHYLHEXYL)PHTHALATE        | 117817 | No Criteria | 6512.00      | --- | --- | --- | --- | ---  | 6512      |   |
| BUTYL BENZYL PHTHALATE           | 85687  | No Criteria | 562400.00    | --- | --- | --- | --- | ---  | 562400    |   |
| 2CHLORONAPHTHALENE               | 91587  | No Criteria | 473600.00    | --- | --- | --- | --- | ---  | 473600    |   |
| 1,2DICHLORO BENZENE              | 95501  | No Criteria | 384800.00    | --- | --- | --- | --- | ---  | 384800    |   |
| 1,3DICHLORO BENZENE              | 541731 | No Criteria | 284160.00    | --- | --- | --- | --- | ---  | 284160    |   |
| 1,4DICHLORO BENZENE              | 106467 | No Criteria | 56240.00     | --- | --- | --- | --- | ---  | 56240     |   |
| 3,3DICHLORO BENZIDENE            | 91941  | No Criteria | 82.88        | --- | --- | --- | --- | ---  | 82.88     |   |
| DIETHYL PHTHALATE                | 84662  | No Criteria | 13024000.00  | --- | --- | --- | --- | ---  | 13024000  |   |
| DIMETHYL PHTHALATE               | 131113 | No Criteria | 325600000.00 | --- | --- | --- | --- | ---  | 325600000 |   |
| Di-n-BUTYL PHTHALATE             | 84742  | No Criteria | 1332000.00   | --- | --- | --- | --- | ---  | 1332000   |   |
| 2,4DINITROTOLUENE                | 121142 | No Criteria | 10064.00     | --- | --- | --- | --- | ---  | 10064     |   |
| 1,2DIPHENYLHYDRAZINE             | 122667 | No Criteria | 592.00       | --- | --- | --- | --- | ---  | 592       |   |
| FLUORANTHENE                     | 206440 | No Criteria | 41440.00     | --- | --- | --- | --- | ---  | 41440     |   |

|                                         |          |             |             |     |     |     |     |           |             |  |
|-----------------------------------------|----------|-------------|-------------|-----|-----|-----|-----|-----------|-------------|--|
| FLUORENE                                | 86737    | No Criteria | 1568800.00  | --- | --- | --- | --- | ---       | 1568800     |  |
| HEXACHLOROBENZENE                       | 118741   | No Criteria | 0.86        | --- | --- | --- | --- | ---       | 0.8584      |  |
| HEXACHLOROBUTADIENE                     | 87683    | No Criteria | 53280.00    | --- | --- | --- | --- | ---       | 53280       |  |
| HEXACHLOROCYCLOPENTADIENE               | 77474    | No Criteria | 325600.00   | --- | --- | --- | --- | ---       | 325600      |  |
| HEXACHLOROETHANE                        | 67721    | No Criteria | 9768.00     | --- | --- | --- | --- | ---       | 9768        |  |
| ISOPHORONE                              | 78591    | No Criteria | 2841600.00  | --- | --- | --- | --- | ---       | 2841600     |  |
| NAPHTHALENE                             | 91203    | No Criteria | No Criteria | --- | --- | --- | --- | ---       | ---         |  |
| NITROBENZENE                            | 98953    | No Criteria | 204240.00   | --- | --- | --- | --- | ---       | 204240      |  |
| NNITROSODIMETHYLAMINE                   | 62759    | No Criteria | 8880.00     | --- | --- | --- | --- | ---       | 8880        |  |
| NNITROSODINPROPYLAMINE                  | 621647   | No Criteria | 1509.60     | --- | --- | --- | --- | ---       | 1509.6      |  |
| NNITROSODIPHENYLAMINE                   | 86306    | No Criteria | 17760.00    | --- | --- | --- | --- | ---       | 17760       |  |
| PYRENE                                  | 129000   | No Criteria | 1184000.00  | --- | --- | --- | --- | ---       | 1184000     |  |
| 1,2,4trichlorobenzene                   | 120821   | No Criteria | 20720.00    | --- | --- | --- | --- | ---       | 20720       |  |
| PESTICIDES/PCBs                         |          |             |             |     |     |     |     |           |             |  |
| ALDRIN                                  | 309002   | 301.60      | 0.15        | --- | --- | --- | --- | 301.6     | 0.148       |  |
| Alpha BHC                               | 319846   | No Criteria | 14.50       | --- | --- | --- | --- | ---       | 14.504      |  |
| Beta BHC                                | 319857   | No Criteria | 50.32       | --- | --- | --- | --- | ---       | 50.32       |  |
| Gamma BHC (Lindane)                     | 58899    | 37.12       | 37.12       | --- | --- | --- | --- | 37.12     | 37.12       |  |
| CHLORDANE                               | 57749    | 20.88       | 1.18        | --- | --- | --- | --- | 20.88     | 1.184       |  |
| 4,4DDT                                  | 50293    | 30.16       | 0.30        | --- | --- | --- | --- | 30.16     | 0.296       |  |
| 4,4DDE                                  | 72559    | No Criteria | 0.65        | --- | --- | --- | --- | ---       | 0.6512      |  |
| 4,4DDD                                  | 72548    | No Criteria | 0.92        | --- | --- | --- | --- | ---       | 0.9176      |  |
| DIELDRIN                                | 60571    | 164.72      | 0.16        | --- | --- | --- | --- | 164.72    | 0.15984     |  |
| ENDOSULFAN (alpha)                      | 959988   | 7.89        | 2.58        | --- | --- | --- | --- | 7.888     | 2.5752      |  |
| ENDOSULFAN (beta)                       | 33213659 | 7.89        | 2.58        | --- | --- | --- | --- | 7.888     | 2.5752      |  |
| ENDOSULFAN (sulfate)                    | 1031078  | No Criteria | 26344.00    | --- | --- | --- | --- | ---       | 26344       |  |
| ENDRIN                                  | 72208    | 8.58        | 0.68        | --- | --- | --- | --- | 8.584     | 0.6808      |  |
| ENDRIN ALDEHYDE                         | 7421934  | No Criteria | 88.80       | --- | --- | --- | --- | ---       | 88.8        |  |
| HEPTACHLOR                              | 76448    | 12.30       | 0.23        | --- | --- | --- | --- | 12.296    | 0.23384     |  |
| HEPTACHLOR EPOXIDE                      | 1024573  | 12.30       | 0.12        | --- | --- | --- | --- | 12.296    | 0.11544     |  |
| POLYCHLORINATED BIPHENYLS3              | 1336363  | No Criteria | 0.19        | --- | --- | --- | --- | ---       | 0.18944     |  |
| 2,3,7,8TCDD (Dioxin)                    | 1746016  | No Criteria | 0.00        | --- | --- | --- | --- | ---       | 0.000015096 |  |
| TOXAPHENE                               | 8001352  | 48.72       | 0.06        | --- | --- | --- | --- | 48.72     | 0.0592      |  |
| TRIBUTYL TIN                            |          | 97.44       | 2.19        | --- | --- | --- | --- | 97.44     | 2.1904      |  |
| NON PRIORITY POLLUTANTS:                |          |             |             |     |     |     |     |           |             |  |
| OTHER SUBSTANCES                        |          |             |             |     |     |     |     |           |             |  |
| ALUMINUM (limits are total recoverable) | 7429905  | No Criteria | No Criteria | --- | --- | --- | --- | ---       | ---         |  |
| AMMONIA (winter)                        | 7664417  | 1067942.40  | 204382.08   | --- | 370 | 370 | --- | 1067942.4 | 204382.08   |  |
| AMMONIA (summer)                        |          | 839097.60   | 160585.92   | --- | 370 | 370 | --- | 839097.6  | 160585.92   |  |
| 4BROMOPHENYL PHENYL ETHER               | 16887006 | No Criteria | No Criteria | --- | --- | --- | --- | ---       | ---         |  |
| CHLORIDE                                | 7782505  | No Criteria | No Criteria | --- | --- | --- | --- | ---       | ---         |  |

|                           |         |             |             |     |     |     |     |     |      |     |  |
|---------------------------|---------|-------------|-------------|-----|-----|-----|-----|-----|------|-----|--|
| CHLORINE                  |         | 3770.00     | 2775.00     | 100 | --- | --- | --- | --- | 3770 | 100 |  |
| 4CHLORO2METHYLPHENOL      |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 1CHLORONAPHTHALENE        | 106489  | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 4CHLOROPHENOL             |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 2,4DICHLORO6METHYLPHENOL  |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 1,1DICHLOROPROPANE        | 142289  | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 1,3DICHLOROPROPANE        |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 2,3DINITROTOLUENE         |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 2,4DINITRO6METHYL PHENOL  | 7439896 | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| IRON                      | 608935  | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| pentachlorobenzene        |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| PENTACHLOROETHANE         |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 1,2,3,5tetrachlorobenzene | 630206  | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 1,1,1,2TETRACHLOROETHANE  | 58902   | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 2,3,4,6TETRACHLOROPHENOL  |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 2,3,5,6TETRACHLOROPHENOL  | 95954   | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 2,4,5TRICHLOROPHENOL      | 88062   | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| 2,4,6TRINITROPHENOL       | 1330207 | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |
| XYLENE                    |         | No Criteria | No Criteria | --- | --- | --- | --- | --- | ---  | --- |  |