ATTACHMENT D TO WDL DEP Form: Food Processing

Form DEPLW1999-19 Revised: February 21, 2018



Maine Department of Environmental Protection Waste Discharge Permit Application

Food Processing Facilities

This form must be attached to the General Application for a Waste Discharge License/MEPDES Permit
(Form DEPLW0105-B2003)

	(Form DEPL)	W0105-B2003)
	Please answer all questions completely, using addit dentified by item number on this form.	ional pages as necessary with responses clearly
1.	. Facility Name: Whole Oceans, LLC	NPDES # ME
2.		ngh the facility. Please include the sources and ng to wastewater discharges, treatment units and n the general application.
	(See Attach. A)	
3.	Is chlorine used in the process or is the intake concentration of chlorine in the final effluent(s	
4.	List chemicals used for sanitation or disinfection maximum discharge concentrations.	on during production or clean-up operations, and
	• • • • • • • • • • • • • • • • • • • •	edient: 8% sodium hypochlorite in concentrated general cleaning/disinfection. Approximate orm.
5.	. List chemicals used in products or processing,	and maximum discharge concentrations.
	(See Attach. B)	
6.	. If boiler blowdown or non-contact cooling wat N/A	er is discharged, please complete EPA form 2E.
7.	. How are sanitary wastes disposed of?	
	Whole Ocean's sanitary wastes will be dis publicly-owned treatment works.	posed of at the Town of Bucksport's

8. Please complete the attached table of products and productions rates. Complete a separate block for each product or type of production.

Product Name:	Atlantic sal	lmon filets	(head-on,	gutted)
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	s per day cessed		Processing period(s) each year		Daily effluent flows	
Average	Maximum	Total pounds per year processed	Total weeks per year	During the months of	Average	Maximum
25 MT	25 MT	11,023,100	50	JanDec.	9,200 gal/day	10,000 gal/day
•	rocessing oper of salmon will be	ration referred to as a "head	on gutted" produc	ct. Fish are stun l	killed, gutted, a	and put on ice.
Type of wa	astewater treat	ment				
The fish prod	essing wastewa	ter is collected in seal	ed tanks and is th	nen pumped to th	e municipal sa	nitary sewer.

Product Name:	

Pounds per day processed			Processing period(s) each year		Daily effluent flows		
Average	Maximum	Total pounds per year processed	Total weeks per year During the months of		Average	Maximum	
Describe p	rocessing oper	ration	l		1	<u>I</u>	
Type of wa	astewater treat	ment					

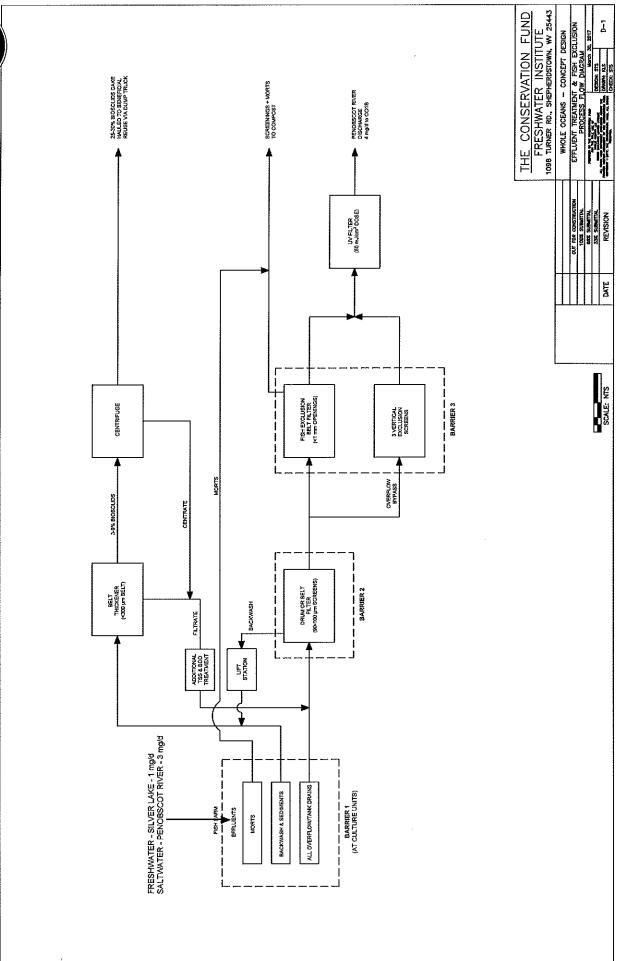
Product Name:

Pounds per day processed			Processing period(s) each year		Daily effluent flows	
Average	Maximum	Total pounds per year processed	Total weeks per year	During the months of	Average	Maximum
Describe p	rocessing oper	ration				
Type of wa	nstewater treat	ment				

WATER FLOW SCHEMATIC AND CONTAINMENT MANAGEMENT

Attachment A to Question 2 Food Processing Facilities Form





Whole Oceans Estimated Potential Chemical Annual Usage

Fungicides, Topical Bactericides, Parasiticides:

- Povidone iodine (iodophor): Active ingredient 10% polyvinylpyrrolidinone. Typical dose range for egg disinfection 50-100 ppm. Approximate annual use: 100 liters/yr.
- Formalin (Parasite-S): Active ingredient 37% formaldehyde (considered as 100% saturated solution). Used for control of fungus on eggs and fish, certain protozoan parasites (e.g., Ichthyobodo, Epistylis, Trichodina, etc.) or monogenean trematodes (Gyrodactylus). Typical dose range from 25 to 1000 ppm depending on use. Approximate annual use: 50 liters/yr.
- Hydrogen peroxide (35% Perox-Aid): Active ingredient 35% hydrogen peroxide. Used for control of fungus on eggs/fish and potentially for bacterial gill disease on fish. Typical dose range between 100-1000 ppm depending on use. Approximate annual use: 425 liters/year.
- Chloramine-T (Halamid): Active ingredients N-chloro, p-toluenesulfonamide and sodium salt trihydrate. Used for control of bacterial gill disease. Typical dose range 12-20 ppm. Approximate annual use: 100 kg/yr.
- Praziquantel (trematodes): Considered as 100% active. Used for control of trematode/cestode infections. Typical dose range from 5-200 ppm depending on length of standing bath treatment. Approximate annual use: 1 kg/yr.
- Potassium permanganate: Considered as 97% active. Used for control of certain parasites and fungal infections in younger fish life-stages. Typical dose range 1.5-2.5 ppm. Approximate annual use: 1 kg/yr.

Antibiotics:

- Terramycin® 200 (oxytetracycline dehydrate, 44% active): Used in accordance with label for a maximum of 3.75 g active oxytetracycline/100 lb fish/day as an in-feed treatment for susceptible bacterial infections. Potential annual use: 4,125 kg active oxytetracycline dihydrate/yr.
- Aquaflor® (florfenicol; 50% active): Used in accordance with label with maximum of 15 mg/kg fish/day as an in-feed treatment for susceptible bacterial infections. Potential annual use: 7,500 kg active florfenicol.
- Romet® 30/Romet® TC (sulfadimethoxine/ormetoprim, 30% active or 20% active, respectively): In accordance with label, 50 mg/kg fish as an in-feed treatment for susceptible bacterial infections. Potential annual use: 1,125 kg active sulfadimethoxine/ormetroprim/yr.

Other Therapeutants:

- Sodium chloride: Discharge of up to 35 kg NaCl/day for periodic treatment of fish in nursery units, and discharge of up to 42,350 kg/day for maintaining salinity in growout systems.
- Calcium chloride [amount TBD]