

Operations Plan

Note: Some sections may not apply to the species/operations you are proposing. Please provide as much detail as possible and you will be contacted if more information is needed. Additional plans or sheets may be submitted with the application if needed.

Details found in the 2019 NSSP Model Ordinance on page 66 and 67.

Company Name:	
Address:	
Author of the Operations Plan:	
Date:	

1. Design and activities

Please describe the land-based aquaculture processes and plans. Attach figures and diagrams of tanks, pumps, etc., to the application when submitting to DMR.

2. Site and Boundaries

Address and/or coordinates (latitude and longitude)

3. Structure location

4. Species

List all species you intend to culture, using both common and scientific names

5. Procedures for deleterious substances

Safe locations and plans for cleaning and toxic substances, following NSSP guidelines

6. Sanitation, Maintenance, and supervision

Please follow FDA safe sanitary operating procedures

7. Water source

Please identify approved area with latitude and longitude, description of location

8. Verification study/water quality monitoring program

The following example outlines the water quality monitoring (Table 1).

Table 1. Variables, frequency, and methods for monitoring water quality

Parameter	Production Tanks (Lines 1-4)	
	Frequency	Method(s)
Temperature	Continuous/Daily	Thermometer
Salinity	Weekly	Refractometer
<i>E. coli</i>	Monthly	Idexx Colilert-18

Temperature: Temperature is measured daily using a calibrated thermometer. These data are recorded on the checklist and stored in the facility.

Salinity: Salinity is measured weekly.

Routine *E. coli* Monitoring: **Example details and laboratory:** Samples for *E. coli* enumeration are collected monthly and are transported the same day to XYZ Environmental Laboratory where they are analyzed for *E. coli* (reported in MPN/100 mL) using the Idexx Colilert-18 method.

On a quarterly basis, at the same time monthly samples are collected for *E.coli* enumeration by Shellfish Inc., the Maine Department of Marine Resources will collect and process water samples for verification of results from XYZ Environmental Laboratory.

9. Recirculating Aquaculture System Verification (RAS):

Please provide details of system design and use for a closed loop arrangement.

10. Collection of data concerning quality of food production

Please provide a description of algae growing processes and system design.

11. Maintenance of required records

FDA, HACCP, SSOP paperwork and records archiving and maintenance

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Owner/Operator Name:	
Owner/Operator Signature:	
Date:	

FOR DMR USE ONLY
APPROVED BY:

Name:	
Signature:	
Title:	
Date:	