



Cooke Aquaculture Pacific POLLUTION PREVENTION PLAN Updated: April 2017

FISH FEEDING PROCEDURES

1. Properly sized, highly digestible feeds with a minimum of fines will be used to feed the fish. Feeding equipment is to be designed to minimize the occurrence of feed breakage.
2. The fish feeding process will be carried out by an experienced technician. The employee's main duty is to supervise the entire feeding process to ensure the maximize ingestion of feed by the fish stocks and to reduce the occurrence of excess feeding.
3. During periods of poor water quality conditions or other conditions that may affect the appetite of the fish, the feeding process will be modified with respect to the anticipated reduction of feed consumption by the fish.
4. Underwater cameras and/or other types of feed monitoring devices will be used to facilitate the feeding process by the technicians and minimize uneaten fish feed wastage.
5. Feed quantities are recorded for each fish pen every day. The Feed Conversion Rates (FCR's) and Specific Feed Rates (SFR's) are to be closely monitored for signs of over feeding or under feeding.

NETWASHING PRACTICES

1. No anti-foulant paint will be used on the netting materials at the farm sites.
2. Fish containment nets are typically pulled to the surface once per year. Net rotations or net changes can occur during the production cycle of the fish and clean fish containment nets can be rotated into the farm during the growing period to minimize the amount of marine fouling growth on the nets.
3. Nets will be frequently rinsed in-situ with pressurized seawater to minimize bio-fouling growth. If large amounts of growth begins to occur it will be collected and taken to an upland soil composting facility.
4. At the end of the growing cycle after the fish have been harvested out, the nets are removed from the water and transported to a land based cleaning and repair facility.
5. Cleaning and repair of the nets is to be carried out by an approved net repair facility that is designed for this purpose. Materials washed from the nets will be captured and disposed of properly.

DISEASE CONTROL CHEMICALS

1. Single generation stocking of fish at the marine farming areas has been incorporated into the production plans. Farm sites are fallowed at the end of the production cycle for a minimum of eight (8) weeks prior to restocking. Improved fish growing techniques, new technologies and improved bio-security measures are incorporated at the farm sites to reduce the use of disease control chemicals.
2. 100% of the smolts entering the site are vaccinated against fish pathogens prior to being transported to the net pen facilities.
3. Records of the usage of disease control chemicals are kept in the biological database. Information regarding the feed types, medicated feed treatment dates, the amount fed to each pen and the type of disease control treatment will be logged on a daily basis.
4. Fish feeds containing medication shall be used in a manner which minimizes the discharge of uneaten feed into the environment. Medicated feed treatments are done with a specified dosage rate and for limited duration (e.g., 5 to 10 day treatments). Fish feeds bags containing antibiotics are clearly labeled with the type of medication. Fish that are being treated with medicated feed are identified as quarantined from harvest until the appropriate withdrawal period has been met.
5. The Fish Health Manager is responsible for the instructing the Site Managers on the treatment type, length of treatment and the daily feed rations for any medicated feed treatments.
6. Disinfectants used for footbaths, dive nets and other equipment will be kept to a minimum and reused as much as possible.

SOLID AND BIOLOGICAL WASTE COLLECTION, STORAGE AND DISPOSAL

1. Normal fish mortalities (morts) are collected from each pen a minimum of three (3) times per week. Frequency of mortality removal is to be increased as needed depending on the mortality rates.
2. Fish mortalities are brought to the surface by either divers or using fish pumps and transferred into leak proof plastic fish totes or other proper containment devices. Plastic tote liners are to be used inside the plastic fish totes at all times. The mort totes are to be transported from the fish pens to the land based support facilities on a frequent basis.
3. Totes containing the fish mortalities are to be routinely transported by truck to an appropriate land based soil composting facility or rendering plant for offloading and cleaning. The cleaned and sanitized totes are returned to their specified net pen facility.
4. Mortalities which exceed 5% of the total fish at the facility per week are to be reported to WDOE, WDFW and the State Dept. of Health (Environmental Division) WDOH phone contact number: (360) 236-3385. A record of these contacts are kept by the Site Managers or other authorized personnel.

SOLID AND BIOLOGICAL WASTE COLLECTION, STORAGE AND DISPOSAL (Cont.,)

5. Solid wastes generated by the daily operation of the sites such as feed bags, wooden pallets and household wastes are to be routinely removed from the sites and transported to the land based support facilities for proper disposal and/or recycling. Proper containment, handling and storage of these waste materials are to be priority of all employees to ensure these materials do not enter the water.

ROUTINE VISUAL INSPECTIONS OF MOORING POINTS

1. The Site Managers and site personnel are to routinely inspect exposed mooring components for signs of excessive wear. Any defective components are to be replaced promptly.
2. Below water mooring components are to be inspected and/or replaced periodically in order to maintain them in the best condition practical.

EMERGENCY CONTACT NUMBERS

Cooke Aquaculture- General Manager		Innes Weir	(206) 402-2247
Cooke Permit Coordinator:		Kevin Bright	(360) 391-2409
Cooke Farm Site Offices:			
Bainbridge Island –	FW/OR	Scott Ridgeway	(206) 595-5684
	Clam Bay	Derek Atkinson	(206) 298-8078
	FW Pier	Rick Safford	(206) 452-9638
Port Angeles		Randy Hodgin	(360) 457-7437
	Cypress Island	Sky Guthrie	(360) 391-2002
	Hope Island	Tom Glaspie	(360) 391-9504

WASHINGTON DEPT. OF ECOLOGY	(425) 649-7000 (NW Regional Office 24 hr.) (360) 407-6300 (SW Regional Office 24 hr.)
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WASHINGTON DEPT. OF FISH & WILDLIFE	(360) 902-2200 (Main)
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WASHINGTON DEPT. OF NATURAL RESOURCES	(360) 856-3500 (North Division) (360) 825-1631 (South Division)
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U.S. COAST GUARD National Response Center	(800) 442-8802 (24 Hour Oil Spill Reporting Line)
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NATURAL RESOURCES CORP Environmental Services	(800) 337-7455 (Oil Spill Cleanup Contractor)
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