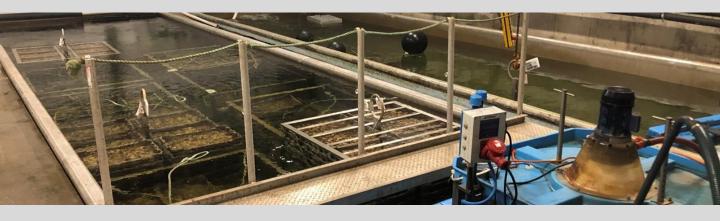
# Storm Preparedness Guide for Land based **Aquaculture Activities in Atlantic Canada**



## PRIOR TO HURRICANE SEASON

Operators of processing plants and hatchery / nursery facilities can make preparations to minimize losses due to extreme weather

- Evaluate the site for potential flooding and identify areas to move equipment / gear to avoid flooding
- (i.e., cell coverage and electricity)
- **Remove** outside debris and store essential gear and equipment in temporary or permanent structures
- O Evaluate critical assets O Evaluate and secure storm supplies (i.e., fuel, potable water, and algal concentrates)
- O Install and maintain **generators** for critical operations (i.e., pumps, coolers, and refrigerators)

# **HURRICANE SEASON GUIDELINES**

# Hurricane season occurs between June 1 to November 30

#### PRE-HURRICANE PREPARATIONS

High likelihood of hurricane tracking to Atlantic Canadian waters

- Re-evaluate and secure storm supplies (i.e., fuel, potable water, synthetic sea salt, and algal concentrates)
- O Secure any loose gear (i.e., collectors, empty cages, and bags) or debris in temporary or permanent structures
- Processing plants: inquire with distributors about sending out shipments earlier

- Evaluate generator(s) to ensure proper operation
- O Document condition of the land-based facility with dated photographs and inventory (i.e., biomass)
- Review storm preparedness and post-recovery plans with employees



# Storm Preparedness Guide for Land based **Shellfish Aquaculture in Atlantic Canada**



## **HURRICANE SEASON GUIDELINES**

### Hurricane season occurs between June 1 to November 30

#### TROPICAL STORM OR HURRICANE WATCH ISSUED

- Continuous tracking of the storm to evaluate next actions
- Clean all systems to be in operation during a hurricane (i.e., tanks and algal culture)
- Move redundant but crucial equipment (i.e., pumps and filters) to another location

- O Processing plants: identify potential locations for alternate storage coolers
- Prepare to execute storm preparedness plan for workboats and land infrastructure. **Review post-storm** recovery plan with employees
- O Prepare emergency gear (i.e., charge long range radio or cell phones, verify working operation of generators, and obtain fuel/diesel)

### PRIOR TO LANDFALL

- Visually inspect infrastructure
- Execute storm preparedness plan for land infrastructure
- Focus on **personal** preparations and protection

## **POST-STORM RECOVERY**

- **Contact employees** to evaluate personal availability and mobilization risk (i.e., road damage or flooding
- Take pictures or video footage and make detailed notes on the status of the farm
- Assess accessibility of Remove or secure the infrastructure, only return if conditions (i.e., wind or waves) allow
- **C** Evaluate and document stock or product loss; clean equipment and tanks
- debris; return all equipment from offsite storage location
- O Communicate to distributors expected operations and supply