

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
- Evaluate **critical assets** (i.e., cell coverage and electricity)
- **Remove** outside debris and **store** essential gear and equipment in temporary or permanent structures
- **Evaluate and secure storm supplies** (i.e., fuel, potable water, and algal concentrates)
- **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)
- **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
- **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
- **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
- **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)
- **Assess accessibility of the infrastructure**, only return if conditions (i.e., wind or waves) allow
- **Remove or secure debris**; return all **equipment** from off-site storage location
- **Take pictures or video footage** and make detailed notes on the status of the farm
- **Evaluate and document stock or product loss**; **clean** equipment and tanks
- **Communicate to distributors** expected operations and supply