

## Resource Sheet 1.0 - Aquaculture Safety Hazards

Safety Hazard	Possible Injuries
<b>Fin/shellfish open water site (marine or freshwater)</b>	
open water boating (rough waters)	man over board, hypothermia, drowning
slippery decks and cage ledges	man over board, soft tissue injuries
manual labor (moving feed, equipment, etc.)	soft tissue injuries
diving for fish mortalities in cages (Mort Diving)	SCUBA related health conditions
extreme weather conditions	fatigue, hypothermia/heat stroke
finfish vaccination	technician injury, allergic reaction
other training needed: first aid, Marine Emergency Duties (MEDA3), navigation, boat safety, basic swimming survival skills, rescue from water	
<b>Hatchery</b>	
electrical equipment in wet areas	electrocution, fires
manual labor (moving feed etc.)	soft tissue injuries
chemical exposure (ozone disinfectant) and lab chemicals	burns, allergic reactions, respiratory distress anaphylactic reaction
slippery surfaces	soft tissue injuries
finfish vaccination	technician injury, allergic reaction
other training needed: first aid, WHMIS, evacuation plan and fire extinguisher training	
<b>Processing Plant</b>	
electrical equipment in wet areas	electrocution, fires
slippery surfaces	soft tissue injuries
manual labor (moving product etc.)	soft tissue injuries
repetitive movement	soft tissue injuries, carpal tunnel, tendonitis, arthritis
fork lifts	collisions, with people and objects, dropping heavy loads on pedestrians or operator
Automated plant equipment	injury or loss of limb, soft tissue injuries

chemical exposure (food additives or preservatives) and lab chemicals	burns, allergic reactions, respiratory distress anaphylactic reaction
sharp objects (animal spines, teeth, knives)	abrasions, cuts, topical allergic reactions
shellfish processing	allergic reactions (topical/ingested) anaphylactic reactions or rash, etc.
other training needed: first aid, WHMIS, evacuation plan and fire extinguisher training	

Safety Hazard	Possible Injuries
<b>Wharf</b>	
electrical equipment in wet areas	electrocution
manual labor (moving feed etc.)	soft tissue injuries
slippery decks and wharf edges	man over board, soft tissue injuries
fork lifts	collisions, with people and objects, dropping heavy loads on pedestrians or operator
Heavy lifting equipment (winches and booms)	injury or loss of limb, soft tissue injuries
Other Training needs: first aid, personal relations for coordinating activities, rescue from water	

## Safety Measures

personal floatation devices, with basic swim training

personal floatation with basic swim training, hard hat, steel toe boots

work breaks, proper training, hard hat, steel toe boots

proper diver training and experience, dive tenders, monitor dives

appropriate clothing for the weather with shelter

proper gloves and fish handling during vaccination, meds available

vater

proper training and equipment suitable for wet areas, fire extinguisher

work breaks, proper training, hard hat, steel toe boots

safety glasses, lab coat, proper ventilation and training

knowledge of worker previous breathing disorders and treatment

hard hat, steel toe boots

proper gloves and fish handling during vaccination, meds available

proper training and equipment suitable for wet areas fire extinguisher

hard hat, steel toe boots

work breaks, proper training, hard hat, steel toe boots

work breaks, proper training

proper training for plant workers and fork lift operators

work breaks, proper training, hard hat, steel toe boots, safety glasses

no loose clothing or jewelry

safety glasses, lab coat, proper ventilation and training  
knowledge of worker previous breathing disorders and treatment

proper training, disposal of hazardous awful, thick gloves and clothes

proper training, thick gloves and clothes, knowledge of worker allergies and location of epi-pens, etc.

### **Safety Measures**

proper training and equipment suitable for wet areas

work breaks, proper training, hard hat, steel toe boots

personal floatation with basic swim training, hard hat, steel toe boots

proper training for plant workers and fork lift operators controlling pedestrian traffic

work breaks, proper training, hard hat, steel toe boots, safety glasses  
no loose clothing or jewelry, control of pedestrians