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| **Site / Area:** | |  | | **Date of assessment:** |  | **Risk Assessment #:** | **108RA** |
| **Completed by (name):** | |  | | **Signature:** |  | | |
| **In Consultation with** | |  | | **Signature:** |  | | |
| **Identify / describe activity, equipment, area or event you are assessing:** | | | | | **Aquariums / Fish Tanks**  *EDUCATION SECTOR: Before considering keeping an aquarium, please refer to Animal Ethics for requirements on keeping fish and other aquatic animals*  [AISSA](https://www.ais.sa.edu.au/animal-ethics/) | | |
| **In conjunction with this risk assessment, training / education and development of a relevant SOP may be required.** | | | | | | | |
| **Step 1:** **Identify the hazard/s:**What do you believe are the hazards?(Refer Risk Assessment Guideline (015G)) | | **Step 2: Assess the risks:**  What do you believe are the risks?  (Refer *Risk Assessment Guideline (015G)*) | | **Step 3: Reducing the risk:** What do you believe can be done to reduce the risk? (Refer *Risk Assessment Guideline (015G)*) | | |
| **What could cause harm?** | | **What could go wrong?** | | **Controls** | | |
| **Electrical**   * Water on electrical equipment * Overloading power sockets * Frayed / loose cords | | * Electric shock * Electrocution * Heart Damage * Burns * Fire | | * Testing of electrical equipment * RCD’s installed at switchboard and are tested regularly * Check equipment daily * Engaging competent electrical contractors * Electrical equipment to Australian Standards * Children are supervised at all times when working / interacting around the aquariums * Tank placed on properly secured stand * Power cords out of reach / access of students | | |
| **Gravity**   * Slippery surfaces * Wet floors * Cords / cables | | * Slips / trips (water spillage / cords) * Lacerations * Bruising * Sprains * Strains * Concussion * Impalement * Death | | * Wear appropriate footwear * Workplace inspections completed regularly * Floors are mopped where spills occur * Mop & bucket readily available * Clean / tidy environment   *Fish tanks / aquariums must be placed on a stand / bench that is strong enough to support its weight to prevent them tipping over or the structure collapsing.* | | |
| **Hazardous Manual Tasks**   * Incorrect storage of equipment * Moving large items * Sustained or awkward postures | | * Muscular skeletal injuries * Falls | | * Mechanical aids available to move tanks / large items * Always drain tanks before moving them. * Workers trained in manual handling techniques | | |
| **Hazardous Chemicals**   * Incorrect storage / segregation * decanting | | * Dermatitis * Cancers * Burns | | * SDS available for all hazardous chemicals * Appropriate PPE to be worn dependant on requirements specific in SDS. * Appropriate storage cabinets provided | | |
| **Biological (infections / Zoonoses)**   * Micro-organisms | | * Illness * Allergic reactions * Skin damage * Damage to internal organs * Death | | * Tanks are routinely cleaned. Workers wear rubber gloves * Hand sanitiser available and any person working / handling anything within aquarium must wash hands and sanitise before and after. * Regular water testing is conducted. * Fish should never be handled. If catching is necessary, an aquarium net must be used. | | |
| **Biological**   * Animal / fish carcasses | | * Infections | | * Disposable gloves to be worn when handling animal / fish carcasses * Carcasses or parts thereof should be wrapped and sealed to prevent leakage, and clearly marked. * To be disposed of in appropriate waste containers * At completion of work, hands to be thoroughly washed. | | |
| **Other**   * Drowning | | * Death * Serious lung injury | | * Doors are locked at all times to ensure no unauthorised access – especially by children * Children in the area must be supervised at all times by an adult * Trained first aiders are available | | |
| **Other**   * Broken glass | | * Cuts * Lacerations | | * Lids must remain in place on fish tanks on all time unless cleaning/maintaining tanks and feeding * Students must be supervised when removing the lid | | |
| **Other** | |  | |  | | |

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| **Authorised by:** |  | **Signature:** |  | **Date:** |  |

**Review hazard/risk assessment if task or circumstances change and at intervals appropriate to the level of risk (minimum 5 years).**

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| **Step 4: Monitor & review:**  (Refer to hazard sheet)  **Please tick Yes or No** | | | | | | | | |
| **Were the controls effective?** | | | | **Were there any unforeseen hazards/ incidents?** | | | | **New controls** |
| **Yes** |  | **No** |  | **Yes** |  | **No** |  |
| **DETAILS** | | | | **DETAILS** | | | | **DETAILS** |
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| **Name:** |  | **Signature:** |  | **Date:** |  |