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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:** |  |