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| **RISK ASSESSMENT FOR DRAGON BOAT OWNER** | | | | |
| Team: | Name of Team | RA Leader:  Name of Team Manager | Approved by SDBA | Reference Number:  **RA /**  **Vessel ID No /**  **Team Name** |
| Activity: | Dragon Boat Paddling | RA Member 1:  Coach | Name of SDBA Rep:  **Raizal Abdol Jalil** |
| Activity Location: | Marina Reservoir | RA Member 2:  Steersman | Designation of SDBA Rep:  **General Manager** |
| Original Assessment Date: | 1 / 1 / 2020 |  | Date: **1 / 1 / 2020** |
| Last Review Date: | 1 / 1 / 2020 |  |  |
| Next Review Date: | 1 / 1 / 2023 |  |  |

**Note**: This Risk Assessment form is a guide for boat owners to carry out their own risk assessments. Boat owners are expected to comply with all the risk control measures and assignment of responsibilities that are stipulated. If any of the risk control measures cannot be met and substituted, the likelihood (L) of the risk will increase. Boat owners may include additional control measures when necessary. Boat owners are not to proceed with the activity if the overall risk level is HIGH.

| **Hazard Identification** | | | | **Risk Evaluation** | | | | **Risk Control** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Ref** | **Work Activity** | **Hazard** | **Possible Injury/Ill-Health** | **Existing Risk Control** | **S** | **L** | **RPN** | **Additional Controls** | **S** | **L** | **RPN** | **Implementing person** | **Due Date** | **Remarks** |
| 1 | Launching/ Recovery of dragon boat at Kallang Dragon Boat Nursery | Lifting related injuries | a. Inflammation (1)  b. Sprains (3)  c. Strains (3) | 1. Deploy adequate number of crew members to lift the dragon boat   1. 2. Familiarize crew with lifting method & procedures 2. 3.Use of trolleys to move the boats on land | 3 | 2 | 6 | 1. Activity is under Team Leaders’ supervision | 3 | 1 | 3 | 1. Coach  2. Captains | 1 / 1 /  2020 |  |
| Slips/Falling type injuries | a. Lacerations (1)  b. Inflammation (1)  c. Fractures (3)  d. Sprains (3) | 1. Compulsory wearing of non-slip footwear, i.e. slippers, shoes, etc., suitable for water activities  2. Familiarize crew with with the route | 3 | 1 | 3 |  |  |  |  |  | 1 / 1 /  2020 |  |
| 2 | Embark/  Disembark  into/from dragon boats at Kallang Riverside Park Beach (aka Nursery Beach) | Slips/Falling type injuries | a. Lacerations (1)  b. Inflammation (1)  c. Fractures (3)  d. Sprains (3) | 1. Compulsory wearing of non-slip footwear.  2. Familiarize crew with the correct in/out process | 3 | 1 | 3 |  |  |  |  |  | 1 / 1 /  2020 |  |
| Immersion in water | a. Water-ingestion related problems (3)  b. Drowning (5) | 1. Embarkation/Dis-embarkation from designated points  2. Compulsory wearing of PFD | 5 | 2 | 10 | 1. Activity is under Team Leaders’ supervision | 5 | 1 | 5 | 1. Coach  2. Captains | 1 / 1 /  2020 |  |
| 3 | Paddling | Capsize or Swamping | a. Water-ingestion related problems (3)  b. Drowning (5)  c. Impact-related injuries (3)  d. Fractures and/or Dislocations (3) | a. Compulsory wearing of PFD  b. Qualified steersperson  c. Familiarize crew with Capsize Drill  d. Crew to practice Buddy System | 5 | 2 | 10 | 1. Activity is under Team Leaders’ supervision | 5 | 1 | 5 | 1. Coach  2. Captain  3. Steersperson  4. Crew | 1 / 1 /  2020 |  |
| Man-overboard | a. Water-ingestion related problems (3)  b. Drowning (5)  c. Impact related injuries (3) | a. Compulsory wearing of PFD  b. Compulsory dragon boat ‘MUST STOP’ rule to recover Man-overboard | 5 | 2 | 10 | Coach and Steersperson are SDBA trained & certified | 5 | 1 | 5 | 1. Coach  2. Captain  3. Steersperson  4. Crew | 1 / 1 /  2020 |  |
| Collision with other vessels | a. Impact-related injuries (3) | a. Qualified steersperson | 5 | 2 | 10 | 1. Activity is under Team Leaders’ supervision | 5 | 1 | 5 | 1. Coach  2. Captain  3. Steersperson | 1 / 1 /  2020 |  |
| Over-exertion | a. Muscular Injuries (2)  b. Physical Exhaustion (3)  c. Cardiac arrest (5) | a. Conduct pre-activity health screening / PAR-Q  b. Embark First aid and CPR trained personnel  c. Carry mobile phones to make emergency calls.  d. Familiarise with  designated Emergency Evacuation Point | 5 | 2 | 10 | 1. Activity is under Team Leaders’ supervision | 5 | 1 | 5 | 1. Coach  2. Captain  3. Steersperson | 1 / 1 /  2020 |  |
| Dehydration | a. Various degrees of Heat injuries (5) | a. Regular hydration. Teams are to bring drinking water into the dragon boats  b. SDBA qualified Steersperson & Coaches are First aid and CPR trained personnel | 5 | 1 | 5 |  |  |  |  |  | 1 / 1 /  2020 |  |
| Paddling during Heavy Rainfall and/or Thundery Showers | Hypothermia (3) | a. Check NEA website and/or MyNEA App  b. Coach or Steersperson to bring mobile phone aboard for alert notification  c. Activity Underway: Return to base or seek urgent shelter at the Emergency Landing Points | 3 | 2 | 6 | 1. Activity is under Team Leaders’ supervision | 3 | 1 | 3 | 1. Coach  2. Captain  3. Steersperson | 1 / 1 /  2020 |  |
| Paddling during Lightning Strikes | a. Lightning-strike related injuries (5)  b. Death (5) | a. Check NEA website and/or MyNEA App  b. Refer to Lightning Warning System beacons installed at:  - Kallang Dragon Boat  Nursery  - Kallang Water Sports  Centre  c. Coach or Steersperson to bring mobile phone aboard for alert notification  d. Activity Underway: Return to base or seek urgent shelter at the Emergency Landing Points | 5 | 2 | 10 | Activity is under Team Leaders’ supervision | 5 | 1 | 5 | 1. Coach  2. Captain  3. Steersperson | 1 / 1 /  2020 |  |
| Paddling during Haze conditions | a. Respiratory distress (3)  b. Breathing difficulties (4) | a. Check NEA website and/or MyNEA App  b. No activity if 24hr and/or 1hr2.5 PSI reading > 200  c. Coach or Steersperson to bring mobile phone aboard for alert notification  c. Activity Underway: Return to base or seek urgent shelter at the Emergency Landing Points | 4 | 2 | 8 | Activity is under Team Leaders’ supervision | 4 | 1 | 4 | 1. Coach  2. Captain  3. Steersperson | 1 / 1 /  2020 |  |
| Rapid flow due to gate operation at Marina Barrage and/or other Reservoirs, which may cause capsize or swamping | Nil (excluding those that may occur due to capsize) | a. Familiarise and comply with SDBA advisory on PUB operations  b. Before Start: Activity will be postponed until PUB gives the all-clear or cancelled if time-out (last time review will be 1700hrs)  c. Activity Underway: All dragon boats to exit Marina Channel and return to base  d. Team Manager, Coach or Captain to call Marina Barrage Ops Room at 65145951 to check status of Barrage  e. Team Manager, Coach or Captain to call the Reservoir’s Ops Room to check status of Barrage | 1 | 1 | 1 |  |  |  |  |  | 1 / 1 /  2020 |  |

S: Severity;

L: Likelihood;

RPN: Risk Prioritisation Number