



### Aquatics – Anti-Entrapment Inspections

**Prepared by:** Lauren Haubrich, Aquatic Recreation Programmer

**Approved by:** Jody Boulet, Director of Community Services

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**Purpose:**

To outline how to safely check pool drains and basins to prevent entrapment.

**Scope:**

All employees of the City of Prince Albert located at the aquatic facility.

**Hazards:**

Common hazards include, but are not limited to:

- Entrapment;
- Water inhalation;
- Loss of consciousness (Shallow Water Blackout).

**General Work Procedure:**

Entrapment occurs when the body is held against submerged suction outlet by force of pool suction. An article of clothing, jewellery, hair or a limb can be caught in an outlet. Not all entrapments are caused by suction: Excessive water through a cover can entangle and knot hair. Swimmers can become physically entrapped as a result of physically being stuck in an outlet or submerged pipe.

Forms of entrapment include: body entrapment, limb entrapment, hair entrapment, mechanical entrapment, and evisceration/disembowelment.

Places of possible entrapment:

1. Pool main drains:
  - a. (2) FJD main pool.
  - b. (2) FJD dive tank.
  - c. (2) KWP main pool.
  - d. (2) KWP tot pool.
  - e. (2) KWP hot tub.
  - f. (2) KWP landing pool.

2. Waterslide grate to landing pool.
3. Grate connecting tot area to main area in landing pool.
4. Skimmers:
  - a. FJD main pool.
  - b. FJD dive tank.
  - c. KWP main pool.
  - d. KWP tot pool.
  - e. KWP hot tub.
  - f. KWP landing pool.
5. (3) Vacuum outlets in KWP main pool.

**Emergency Stop buttons:**

1. Kinsmen Water Park:
  - a. Waterslides: in pump house, labelled and marked in red.
  - b. Hot tub jet pump: outside filter room, labelled and marked in red.
  - c. Main Pool features: on North lifeguard chair, labelled and marked in red.
2. Frank J. Dunn Pool:
  - a. Hot tub jet pump: entrance to hot tub, labelled and marked in red.

Emergency stop buttons are not available on the deck for circulation pumps at the Frank J. Dunn Pool and Kinsmen Water Park.

**Daily inspection:**

1. During the daily facility check, the lifeguards should do a visual check from the deck looking for:
  - a. cracks in the outlet covers or covers,
  - b. that everything is in good condition; and,
  - c. screws are in place.
2. Record findings on daily report sheet.
3. If anything appears to be damaged or screws are missing, lifeguards should complete an in-water inspection.

**In-water inspection:**

1. The in-water inspection will be completed monthly or when the daily facility check warrants further investigation.
2. Circulation system for the pool should be turned off and locked out using an appropriate device, tag and lock. The key for the lock will be maintained by the in-water lifeguard.
3. 1 lifeguard is required in the water with goggles.
4. 1 lifeguard is required to supervise from the deck.
  - a. The lifeguard on the deck should have back-up available in a nearby office or via radio contact.
5. The in-water lifeguard must not hyperventilate or perform extended, repeated checks underwater without a break.
6. The in-water lifeguard will do a physical and visual check and will complete the monthly Anti-Entrapment Inspection Checklist.
7. If a drain cover or grate is cracked, broken or missing, the pumps shall be immediately shut down and the pool closed until the grate or cover replaced.

**In case of entrapment:**

1. Lifeguards blow major whistle blast and respond to victim.
2. Emergency stop buttons must be immediately turned off (if applicable).
3. If further pump shut down is required:
  - a. Lifeguards at FJD must radio to maintenance to turn off pump.
  - b. At KWP, manager/janitor/lifeguard must turn off pump from filter room or basement.
4. Once flow/suction is reduced, lifeguards can remove the victim from entrapment.