

## **SAFETY PRECAUTIONS FOR THE BLACK BEARD'S BEACH WATER PARK**

The following safety precautions are for the Black Beard's Beach Water Park and are based on the Operations Manual Warranties & As-Builts for the equipment at the water park. Park employees should consider the safety precautions when assisting with repairs and/or inspection. This document only lists the safety precautions applicable to the respective equipment and does not include any other types of precautions such as technical warnings for installation.

The following list comprises all of the equipment/features of the water park. Additionally, readers of this document should only refer to this as a general reference and should defer to the original document should they need to understand the safety warning within the necessary context. GSA and/or outsourced repair technicians should refer to the original operations manual for instruction on equipment installation, repair, and/or maintenance.

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## Amerlite Underwater Light Owner's Manual – Safety Guidelines

### Replacing light fixture in existing pool.

- **Danger:** The underwater light must be installed by a licensed or certified electrician or a qualified pool service technician in accordance with the National Electrical Code and all applicable local codes and ordinances. Improper installation will create an electrical hazard which could result in death or serious injury to pool users, installer or others due to electrical shock, and may also cause damage to property. Always disconnect the light to the pool and circuit breaker before servicing the light. Failure to do so could result in death or serious injury to service technician, pool users or others due to electrical shock.
- **Before replacing the light fixture:** Verify that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed. Some of the requirements of the National Electrical Code which the pool's electrical system must meet are as follows
  - a. The lighting circuit has a Ground Fault Circuit Interrupter (GFCI), and has an appropriately rated circuit breaker.
  - b. The Junction Box (or for 12 volt models, the low voltage transformer) is located at least 8 inches above water level and at least 4 inches above ground level and at least 48 inches from the edge of the pool;
  - c. The light fixture and all metal items within 5 feet of the pool are properly electrically bonded.
  - d. The wet niche is properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool
  - e. The wet niche is properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche
- **Warning:** Failure to bring the pool's electrical system up to code requirements before installing the underwater light will create an electrical hazard which could result in death or serious injury to pool users, installers, or others due to electrical shock, and may also cause damage to property.
- **Warning:** Be sure to keep the special water screw from the underwater light. The screw mounts and electrically grounds the housing securely to the mounting ring and wet niche. Failure to use the screw provided could create an electrical hazard which could result in death or serious injury to pool users, installers, or others due to electrical shock.
- **Warning:** Never operate this underwater light for more than 10 seconds unless it is submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of the lamp or lens. This may result in serious injury to pool users, installers or bystanders, or damage to property.

## Replacing a lamp only

- **Danger:** Always disconnect power to pool at a circuit breaker before servicing the light. Failure to do so could result in death or serious injury to installer, serviceman, pool users or others due to electrical shock.
- **Warning:** Replace lamp with a similar type of wattage. Failure to replace lamp with same type of wattage will damage the light assembly and may cause an electrical hazard resulting in death or serious injury to pool users, installers, or others due to electrical shock, and may also cause damage to property.
- **Warning:** Always install a new lens gasket (part number 79101600) whenever disassembling the light. Failure to do so may permit water to leak into the assembly which could cause:
  - a) An electrical hazard resulting in death or serious injury to pool users, installers or other due to electrical shock; or,
  - b) Breakage of the lamp or lens, which could result in serious injury to pool users, installers, bystanders, or in property damage (pg.5).

## Low Voltage Auxiliary Condensate Switch – Safety Guidelines (Little Giant Pump Company)

- Do not use to pump flammable or explosive fluids such as gasoline, fuel, oil, kerosene, etc. Do not use in explosive atmospheres. Pump should only be used with liquids compatible with pump component materials.
- Do not handle pump with wet hands or when standing on a wet or damp surface, or in water.
- Disconnect all electrical service to the switch before working on or handling the unit.
- Do not connect to voltage above 48 VAC/DC maximum and/or amperage above 5 amps.
- Do not operate unless completely assembled.
- In any installation where property damage and/or personal injury might result from an inoperative switch due to power outages, or any other reason, a backup system(s) and/or alarm should be used.

## Integrated Lightning Prediction and Warning System – Safety Guidelines (Thor Guard)

The warning system is designed to provide Parks & Recreation employees with reliable lightning prediction. If, however, you ever feel “uncomfortable” with incoming weather and the warning system has yet to issue a Red Alert, employees should not wait. Either sound the horns manually if you have them, or issue a warning to cease activities in your area. When it comes to safety, the only mistake you can make is through “IN – ACTION”.

## HAZARD LEVELS

The four separate hazard levels are All Clear, Caution, Warning and Red Alert, each displayed based on the current energy activity.

**All Clear:** There is no significant energy. This will usually indicate that there is a safe environment.

Note: If the Test has a letter (F) displayed, you may want to initiate a manual sensor test on the system.

**Caution:** Normal atmosphere energy shifts are occurring and depending on the situation, may increase to a Warning.

**Warning:** A significant amount of energy has moved in the area being monitored. Depending on your application, monitor the L75 for increased DI and FCC counts. If your system is equipped with horns, determine if you should activate the RED ALERT horns. Otherwise, allow the system to continue monitoring the storm. Depending on the storm, it may pass by without achieving a RED ALERT level.

**Red Alert:** The conditions for a local strike are prevalent. Activities should cease and seek immediate cover. Increasing DI values and/or FCC counts increase the possibility of a local strike and increased risk.

### Controller SIGMA Control – Safety Guidelines (Kaeser Kompressoren)

#### **Safety and Responsibility**

The controller is manufactured to the latest engineering standards and acknowledged safety regulations. Nevertheless, risk of injury and death to the user and third parties or adverse effects to the controller and other material damages can arise from its use.

Use the controller only if it is in technically perfect condition for the purpose for which it is intended under compliance with the safety measures and instructions detailed in the service manual.

In particular, immediately rectify (have rectified) any faults that could be detrimental to safety.

#### **Automatic Restart**

The automatic restart is activated at the factory. If the actual system pressure is lower than the system pressure set point, the machine starts automatically after a power failure. There is danger of injury from the machine starting automatically or by remote start command. Isolate the machine from the mains and lock out all phases of the power supply before opening any machine enclosure or guard.

#### **Checking the Safety Relief Valve**

There is danger of injury from pressurized components. The instructions listed in the manual with respect to checking the safety relief valve must be followed without fail to avoid hazards. This check may only be carried out

- by persons trained on the machine/controller and persons instructed by an under the supervision of a specialist
- by specialists
- by authorized KAESER service personnel

Multi Level Play Structure; 38-Inch Body Slides; Kiddie Gang Slides – Safety Guidelines (WaterPark Experts Inc.)

The manufacturer recommends that a trained operations supervisor or mechanic conduct a daily inspection of the Multi Level Play Structure. All power and controls to the attraction must be locked out before beginning any maintenance or inspection. These lock out procedures serve to prevent injury to employees inspecting or working on the attraction.

Note: Any problem or defect found on the Multi Level Play Structure should be corrected by a qualified technician before operating the attraction.

For the safety of employees, the slide should be locked and placed in a zero-energy state before attempting any inspection or maintenance procedures. The ride should not be operated until any and all maintenance needs are met.

**Operating Rules and Regulations**

Safety personnel may want to incorporate some of the following regulations into their ongoing address to patrons as they approach the launch area.

1. No horseplay or daredevil stunts are permitted.
2. Riders must ride in the feet first position, on their backs, with arms crossed on their chests, and legs crossed at the ankles, until completing the ride.
3. No riding in a standing, kneeling, head first, or prone position.
4. Do not enter the slide dispatch areas until instructed to do so by a ride attendant.
5. No diving permitted. Shallow water.

**Emergency Shut-down**

If a problem develops on the Multi Level Play Structure, or with a patron on the MLPS slides, cease rider dispatch immediately. Close access to the attraction, and turn off the supply pump. Do not restart operation until staff supervisor is present, and the problem has been corrected. Posting a “Closed” sign on the attraction is recommended when use is not intended.

**CAUTION!:** It is crucial that the problem be corrected before restarting the attraction.

