

1. **TITLE:** ACCREDITATION FOR POOL PLANT OPERATORS
2. **DATE:** 27 June 2003 **ISSUE:** 1
3. **PURPOSE:** To establish the assessment criteria for the vocational accreditation of pool plant operators.
4. **DESCRIPTION:**
 - 4.1 **Theory**

Answer questions requiring an understanding of:

 - Chemical Treatment
 - Chemical Handling
 - Pump Operation
 - Filtration
 - Circulation
 - Health
 - Duty of Care
 - Risk Analysis
 - Maintenance
 - Gas Chlorine
 - Occupational Safety and Health
 - Self-contained Breathing Apparatus
 - Emergency Procedures
 - Public Liability
 - 4.2 **Maintain pool water quality**
 - Calculate pool volumes to establish turnover rates and the amount of chemical required to correct any imbalances
 - Understand the use chlorine gas systems safely in the workplace
 - Identification of fundamental microbiological concepts, and their relationship to the control of communicable diseases in aquatic facilities
 - Understand the maintenance of water bodies with both chemical and mechanical treatment systems. Knowledge of the physical characteristics of various disinfectants, pH and the term balanced water.
 - How to undertake a prescribed range of water tests to monitor and maintain pool water quality
 - 4.3 **Chemical Handling and Storage**

Identify the range of chemicals used in aquatic facility plants. The personal protective equipment required, how each chemical should be handled and the importance of using Material Safety Data Sheet's in the workplace
 - 4.4 **Operate Aquatic Facility Plant and Equipment**
 - Identify the various components that make up the pools circulation system.
 - Identify the various filtration systems used in the aquatic environment and their principles of operation

4.5 Emergency Procedures

- Understanding how to participate in and control emergency situations
- Apply general occupational health and safety requirements in the workplace.
- Awareness of the systems required to establish maintenance procedures and implement maintenance programs in aquatic facility plants.

4.6 Undertake a Risk Analysis

Demonstrate basic knowledge and skills to apply risk analysis process to an aquatic facility.

4.7 Self Contained Breathing Apparatus

Demonstrate the skills and knowledge to use self-contained breathing apparatus under emergency conditions when handling chlorine

4.8 On-the-job Assessment

- Identify the Standards and Regulations relevant to the organisation's pool facility
- Conduct routine water testing procedures and record results
- Identify the pool's plant and equipment.
- Follow procedures of your aquatic facility
- Conduct routine checks of plant and equipment and implement organisational policy and procedures to identify faults and initiate corrective procedures
- Identify and implement the organisation's policy and procedures for the safe handling of chemicals
- Adjust disinfectant levels and water balance to ensure pool water quality
- Develop and implement a maintenance program for an aquatic facility
- Emergency response procedures
- Participate in a workplace simulation of an Emergency response
- Demonstrate theoretical understanding of Occupational Health and Safety
- Undertake a risk analysis
- Operate an aquatic facility plant room.
- To be completed during a minimum of 100 hours of on-the-job experience.

4.9 Assessment of Competency

A person holding a Certificate IV in Training and Workplace Assessment (BSZ 40198) and an understanding of the Pool Lifeguard role must undertake the training and assessment of TO 07.1. Trainers and assessors must have current relevant industry knowledge and be either; Employed by a Registered Training Organisation, or acting under the registration of a Registered Training Organisation