



ENGINEERING

MASTER CLASS



BOREHOLE PUMP OPERATOR

121887



010 085 0918



www.zoneups.com



405 Cliff Ave, Waterkloofridge, Pretoria



BOOK NOW



2 Day Course



Classroom



Certificate of Attendance

ABOUT THIS COURSE

The BOREHOLE PUMP OPERATOR course is designed to equip learners with the knowledge and practical skills required to operate, monitor and maintain a groundwater abstraction system safely and efficiently. Learners are introduced to the full borehole pump process, from preparation and operation to inspection, measurement, sampling, testing, reporting and basic maintenance.

This programme prepares learners to transfer groundwater to treatment plants or reservoirs for residential, commercial and industrial use in accordance with safe working procedures, operational standards and best practice. The course also develops an understanding of groundwater systems, water quality and quantity monitoring, data collection, fault-finding, troubleshooting and stakeholder engagement.



Target Audience

- Students
- Beginners
- Apprentices
- Technicians
- Artisans
- Welders
- Trainees
- Operators
- Fabricators

PRICE

CLASSROOM: Request a quote

Includes snacks and beverages – only applicable to classroom bookings)

DAY ONE

OVERVIEW

SMART ZONE

Introduction to the Work Environment

- Learners are introduced to the role of the Borehole Pump Operator, workplace structures, roles and responsibilities, communication channels, work ethics and career opportunities in the water sector.

Legislation, Regulations and Safety

- This section covers the legal and regulatory framework applicable to groundwater abstraction, including safety standards, municipal by-laws, water use requirements, safe work practices and incident reporting procedures.

Water Cycle and Groundwater Basics

- Learners gain an understanding of aquifer systems, groundwater flow, groundwater quality and quantity, groundwater assessment techniques and the management of groundwater sources.

Communication and Administration

- The course introduces workplace communication, teamwork, problem-solving and the administration procedures required for record-keeping, reporting and groundwater abstraction documentation.

Environmental Responsibility

- Learners explore environmental sustainability, energy efficiency, pollution, environmental ethics and the effects of groundwater abstraction on the environment

DAY TWO

OVERVIEW

SMART ZONE

Borehole Pump Operation

Learners are taught how to prepare for and operate a groundwater abstraction system, including monitoring and controlling pumps, flow meters, valves and gauges according to operating procedures.

Monitoring and Data Collection

This section focuses on measuring water levels, abstraction rates, power usage, water quality and quantity, as well as recording and reporting groundwater data accurately.

Sampling and On-Site Testing

Learners develop skills in groundwater sampling, sample handling, on-site testing, field measurements and the recording of water quality monitoring results.

Inspection, Maintenance and Troubleshooting

The programme covers routine inspection of system performance, first-line maintenance, lubrication, cleaning, fault diagnosis and troubleshooting of groundwater abstraction systems.

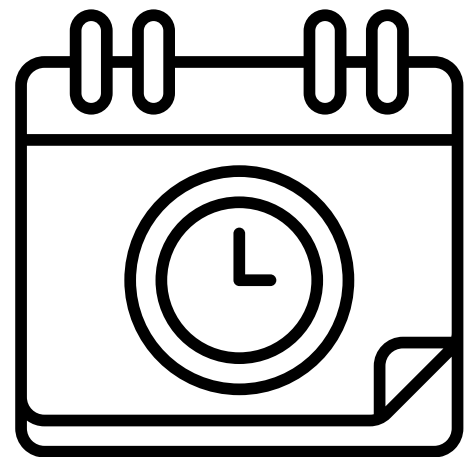
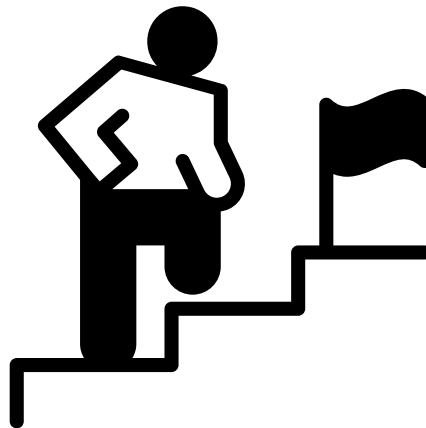
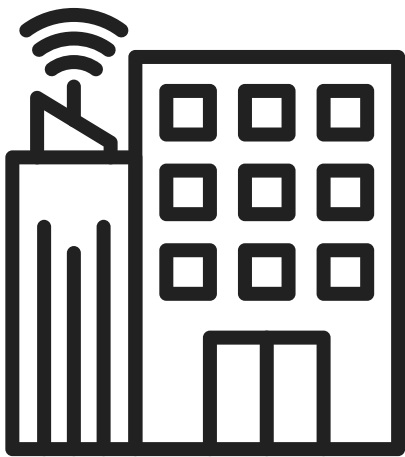
Stakeholder Engagement

Learners are introduced to stakeholder communication and community engagement, including sharing information about groundwater supply, participating in forums and maintaining positive working relationships.

Features of this Course

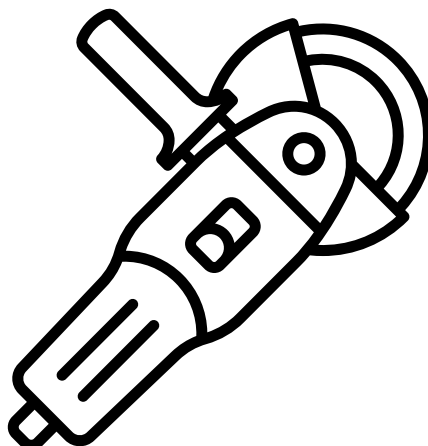
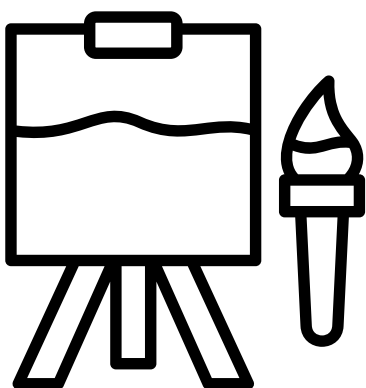
SMART ZONE

- industry-aligned welding curriculum (QCTO standard)
- Hands-on practical training with real equipment
- Training in all welding positions (FHVO)
- Focus on safety, quality, and compliance
- Covers both theory and practical components
- Exposure to welding standards and inspection techniques
- Suitable for beginners and entry-level learners



BENEFITS OF THIS SHORT COURSE

- Gain job-ready welding skills
- Improve employability in engineering and manufacturing sectors
- Ability to work in production and fabrication environments
- Strong foundation for advanced welding certifications
- Confidence to perform welding tasks safely and efficiently
- Understanding of industry standards and quality requirements
- Opportunity to build a career in a high-demand trade





SIGN UP NOW

SIGN UP NOW AND SECURE YOUR PLACE

1. Register Online- www.zoneups.com
2. Select the training you prefer and the date you would like to attend.
3. Fill in the registration form.
4. Choose your payment method and finalize the booking.

Request a Quotation

Accreditation



*South African
Institute Of
Occupational Safety
And Health*



Services SETA



Fasset

Make the future count



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QCTO