



EXAMINE AND MAKE SAFE:

XTS_ADM_PAM_0002

SURFACE MINES & QUARRIES

3 DAY SHORT COURSE

Presented by

XTRACT TRAINING SERVICES SA (PTY) LTD
(Accreditation No. 16/MQA/1021/AC4/200622
QCTO Accreditation Number: 07-
MQA/SDP210624204436)

DATE: 8 – 10 JUNE 2026

VENUE: Xtract Offices – 64 Boundary Road, Homestead Apple Orchards, Walkerville, Gauteng

COST: R16 964.65 + VAT = R19 509.35 per Delegate Assessment included (The Assessor's Travel and Accommodation will be quoted on once the learner is ready for assessment)

INTRODUCTION

In terms of the Explosives Regulations under the Mine Health and Safety Act, a competent person is required as a blasting assistant.

The competencies required by the Blasting Assistant are:

- safe receipt, storage, issuing and transportation of explosives
- the preparation of primers;
- the charging of blast holes with explosives or the placing of explosive charges;
- the connecting up of blasting rounds or circuits, and
- to assist with the safeguarding of persons against the significant hazards associated with the use of explosives.

WHO SHOULD ATTEND

- Candidates preparing for the Rockbreaking Qualification – Surface Excavations National Certificate Level 3.
- Learner Blasting Assistants

OBJECTIVES

At the end of the programme, participants will be able to:

- Apply safety, health and environmental principles and procedures in a workplace;
- Demonstrate the knowledge of the most common harmful gasses;
- Demonstrate a basic understanding of explosives and accessories;
- Receive, handle, store and issue explosives and accessories;
- Assist in blasting operations;
- Make up primer and charge shot holes;
- Time and connect blast initiation systems in a surface mine;
- Install and maintain an initiating system in a surface mine;
- Perform basic fire fighting.

NOTE: Learners attending the course must have sufficient level of literacy and numeracy.

The on-the-job assessment must be undertaken after successful completion of both this cause and the practical skills coaching and will be at an additional cost.

Limited Seats Available.

**To Register Email: admin3@xtract.co.za or admin-sales@xtract.co.za
or call Lebo Rautsela or Portia Fisher on 010 591 4343 or 071 560 1618**

EXAMINE AND MAKE SAFE SKILLS PROGRAMME REGISTRATION FORM

XTS_ADM_FRM_0007

THEORY PART OF THE PROGRAMME – DATES: 8 – 10 JUNE 2026

ASSESSMENT 2 DAYS WHICH WILL BE CONFIRMED WITH THE CLIENT AFTER COMPLETION OF THE PRACTICAL/WORKPLACE EXPERIENCE

Bookings close on the 27th MAY 2026

VENUE: Xtract Offices – 64 Boundary Road, Homestead Apple Orchards, Walkerville, Gauteng

Please complete the form below and return via one of the following means:

- Email: admin3@xtract.co.za or admin-sales@xtract.co.za

Should you require further information, please contact **Lebo Rautsela** or **Portia Fisher** at:
010 591 4343 or 071 560 1618

A. AUTHORISING PERSON: (Supervisor / Manager) – By signing below I agree with terms & conditions.

First Name(s): (in full)		Surname:	
Company/Organisation		Designation:	
Contact Details:	Tel (w):	Postal Address:	
	Cell:		
	Email:		
Signature:		Date:	

B. ACCOUNTS PERSONNEL – By signing below I agree with terms & conditions.

First Name(s): (in full)		Surname:	
Designation:		VAT. No.:	
SDL No.		Order Number:	
Contact Details:	Tel (w):	Postal Address:	
	Cell:		
	Email:		
Signature:		Date:	

C. COSTS:

FEES (Standard): R16 964.65 + VAT = R19 509.35 per delegate
(If cash payment please add R450.00 to the fee to cover bank cash deposit fees)

THE ABOVE FEES IS INCLUSIVE OF THE ASSESSMENT RATES; HOWEVER WE WILL QUOTE FOR THE ASSESSOR'S TRAVEL AND ACCOMMODATION WHEN THE LEARNER / DELEGATE IS READY FOR ASSESSMENT.

BANK DETAILS:

Account holder: Xtract Training Services SA (Pty) Ltd	Account No.: 62878421363 (Business)
Bank: FNB	Branch code: 255355
Branch: My Branch	SWIFT Code: FIRZAJJ

D. LEARNER DETAILS - By signing below I agree with terms & conditions.

First Name(s): (in full)		Surname:	
Badge Name:		Designation:	
ID No:			
Company/Organisation			
Contact Details:	Tel (w):	Postal Address:	
	Cell:		
	Email:		
Signature:		Date:	

NOTE:

- Learners attending this programme must have sufficient level of literacy and numeracy.
- The on-the-job assessment must be undertaken after successful completion of both the theoretical course and the practical/workplace experience. This must be done within six (6) months after completion of the theoretical training.
- Payment to be received by the **27th of MAY 2026**.
- NO** cancellations after the **27th of MAY 2026** but substitutions will be accepted up to the **3rd of JUNE 2026**.

Service Level Agreement to be completed on the next page.....

SERVICE LEVEL AGREEMENT

(Knowledge/Practical/Work Experience)

XTS_ADM_SLA_0001

EXAMINE AND MAKE SAFE SURFACE MINES, QUARRIES, DUMPS & STOCKPILES

MQA/SP/175/18(A) (UNBLASTED)

MQA/SP/175/18(B) (BLASTED)

The Mining Qualifications Authority (MQA) is a tripartite statutory body established by the Mine Health & Safety Act of 1996 and registered by the Minister of Labour as a Sector Education & Training Authority (SETA), in terms of the Skills Development Act of 1998.

The MQA has also been delegated quality assurance functions in terms of section 26l(2) of the Skills Development Amendment Act (SDA) 37 of 2008 and the Quality Council for Trades and Occupations (QCTO) delegation policy of 11 June 2011.

The MQA in turn has to ensure that its Accredited Training Providers maintain the quality of standard qualifications and learning provision.

According to the new QCTO requirements, an occupational qualification represents a planned combination of learning outcomes which is intended to provide qualifying learners with the applied competence to practice an occupation and to provide a basis for further learning.

Occupational qualifications, developed under the auspices of QCTO, contain three components for completion prior to assessment for final competence. These are:

- **Knowledge component**

This is provided in the 3 day theoretical short course presented by Xtract Training Services SA (Pty) Ltd plus relevant self-study from notes provided and local site procedures.

- **Skills component**

Xtract Training Services SA (Pty) Ltd can supply Subject Matter Experts to provide “on-the-job” training if required. This, however, would not be cost effective for our clients, the majority of whom already have suitable, long experienced people to act as Mentors/Supervisors for the learners.

Skills Development and formal mentoring schemes should be the target of every responsible employer, and it is anticipated that the Client will nominate a Mentor/Supervisor to assist a learner in obtaining the necessary practical experience prior to “on-the-job” assessment.

To this end Xtract Training Services SA (Pty) Ltd provides a Logbook which guides the Learner and Mentor/Supervisor through the required skills implementation for the Skills Programme or Qualification. The Mentor/Supervisor will need to ensure that the Learner puts into practice the knowledge that he/she has obtained and guide the Learner as per Client’s mentorship programme.

It will be necessary to document the learner's progress including reports from Mentors/Supervisors. This will form part of the Learner's Portfolio of Evidence for final assessment.

- **Work experience component**

This component will also be gained in the workplace and signed off by the Supervisor prior to assessment. Previous relevant experience, prior to the commencement of formal training, will also be accepted as long as it has been documented.

MQA requires that a Service Level Agreement is signed prior to commencement of training confirming that the site employing the learner applying for training can be used for training and/or assessment and/or that this learning site is 'fit for purpose.'

By signing below, the Employer agrees that the Learner will be provided with the support of his/her employer to complete the on-the-job training explained above.

Name of Organisation	Print company name	
Supervisor/Manager:	Print full names & Surname	
Signature:		Date:
Email:		

By signing below, the Learner accepts full responsibility to complete the on-the-job training explained above. The learner will be given up to six months (6) in which he/she must complete the workplace experience.

- **PLEASE NOTE THAT IF THE LEARNER / DELEGATE DOES NOT COMPLETE THE TRAINING IN THE SIX (6) MONTH PERIOD, HE/SHE MUST ARRANGE FOR THE ASSESSMENT AT THEIR OWN EXPENSE.**

Name of Organisation	Print company name	
Learner:	Print full names & Surname	
Signature:		Date:
Email:		

By signing below, the Provider, agrees that the Learner will be provided with the knowledge component as part of achieving the Examine and Make Safe – Competency A Skills Program.

Name of Provider	XTRACT TRAINING SERVICES SA (PTY) LTD	
Name of Representative:	Print full names & Surname	
Signature:		Date:
Email:		

LESSON PLAN/COURSE SCHEDULE

XTS_ADM_LP_0001

EXAMINE AND MAKE SAFE SURFACE MINES, QUARRIES, DUMPS & STOCKPILES MQA/SP/175/18(A) (UNBLASTED) MQA/SP/175/18(B) (BLASTED)

(The course will be presented in English and written assignments will also be in English)

Classroom / Theoretical Training

Sequence	Activity	Duration	Time
Day 1	Registration	30 minutes	08:00-8:30
A1	<p>Introduction:</p> <ul style="list-style-type: none"> The examination making safe and declaration safe of Surface Mines, Quarries, Dumps and Stockpiles <p>Context and Statutory:</p> <ul style="list-style-type: none"> Open pits, Strip Mines, Quarries; Alluvials and Dumps. Mining induced fall of ground. Relevant legislation. 	60 minutes	08:30 – 9:30
	Tea Break	30 minutes	09:30 – 10:00
A2	<p>Hazard Identification and Risk Assessment:</p> <ul style="list-style-type: none"> Address workplace hazards and risks. Conduct workplace Occupational Health and Safety (OHS) Inspections. Conduct continuous hazard identification and risk assessment within a workplace. 	75 minutes	10:00 – 11:15
	BREAK and Assignments	15 Minutes	11:15-11:30
A3	<p>Health and Safety:</p> <ul style="list-style-type: none"> Apply Safety, Health and Environmental Principles and Procedures in a Workplace. Demonstrate Knowledge and Ability to Work in a Surface Mine. 	60 minutes	11:30 – 12:30
	Lunch and Assignments	90 minutes	12:30 – 13:30
A4	<p>Geology:</p> <ul style="list-style-type: none"> Demonstrate knowledge of the geological nature of surface extraction sites. a) Specific Outcome 1: Explain the nature of rocks and minerals. 	90 minutes	13:30 – 15:00
	Tea Break and Assignments	60 minutes	15:30 – 16:30
	End of day		16:30

Sequence	Activity	Duration	Time
Day 2	Discussion and Revision of Assignments - Optional	30 minutes	08:00-8:30
B1	<p>Rock Properties, Structure and Degradation:</p> <ul style="list-style-type: none"> Demonstrate knowledge of the geological nature of surface extraction sites. <p>a) Specific Outcome 1 – Explain the nature of rocks and minerals.</p> <p>b) Specific Outcome 2 – Explain the geological discontinuity at surface excavation sites.</p>	90 minutes	08:30-10:00
	Tea Break	30 minutes	10:00- 10:30
B2	<p>Rock Engineering Principles:</p> <ul style="list-style-type: none"> Demonstrate an understanding of support methods in surface mines and quarries. <p>a) Specific Outcome 1 – Demonstrate understanding of factors that influence stability of an excavation.</p> <p>b) Specific Outcome 2 – Demonstrate understanding of methods to ensure slope stability in quarry and surface mine excavations.</p>	90 minutes	11:30 – 13:00
	Lunch and Assignments	60 minutes	13:00 – 14:00
B3	<p>Codes of Practice:</p> <p>Examine and make safe blasted surface excavations.</p>	60 minutes	14:00 – 15:00
B4	<p>Dumps, Tips and Stockpiles:</p> <p>Examine and make safe non-blasted surface excavations.</p>	60 minutes	15:00 – 16:00
	Tea Break and End of day		16:30

Sequence	Activity	Duration	Time
Day 3	Discussion and Revision of Assignments - Optional	30 minutes	08:00-08:30
C1	<p>Slope Stability:</p> <ul style="list-style-type: none"> • Demonstrate an understanding of support methods in surface mines and quarries. a) Specific Outcome 1 – Demonstrate understanding of factors that influence stability of an excavation. b) Specific Outcome 2 – Demonstrate an understanding of methods to ensure slope stability in quarry and surface mine excavations 	90 minutes	08:30-10:00
	Tea break	30 minutes	10:00 – 10:30
C2	<p>Support Methods:</p> <ul style="list-style-type: none"> • Demonstrate an understanding of support methods in surface mines and quarries. a) Specific Outcome 3 – Explain the principles of support in surface mines and quarries. b) Specific Outcome 4 – Monitor the support performance. 	60 minutes	10:30-11:30
C3	<p>Examine and Make Safe:</p> <ul style="list-style-type: none"> • Examine and make safe blasted surface excavations. • Examine and make safe non-blasted surface excavations. • Identify and demonstrate a misfire in a surface excavation. • Bar down loose rock using appropriate equipment. 	60 Minutes	11:30-12:30
	Lunch and Assignments	90 minutes	12:30 – 14:00
	Course Review and administration	30 minutes	14:00 – 14:30