

WHS SILICA & CONSTRUCTION DUSTS AWARENESS

“Understand, control, and prevent exposure to respirable crystalline silica and other hazardous dusts.”

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

► **Available delivery methods:** In-House Training

Introduction

This awareness course focuses on identifying and managing risks associated with respirable crystalline silica (RCS) and other construction-related dusts. With increasing cases of silicosis and lung disease in high-risk industries, this training empowers workers, supervisors, and safety personnel with the skills to recognize dust hazards, implement effective controls, and comply with WHS regulations.

Objectives

- By the end of the course, participants will be able to:
- Understand what silica and other hazardous dusts are
 - Identify common sources in construction, mining, and manufacturing
 - Recognize health effects and symptoms of overexposure
 - Apply legislative WHS requirements
 - Implement hierarchy of controls and engineering solutions
 - Promote best practices in dust monitoring and PPE usage

Why Attend

Silica dust exposure is a growing concern in many industries and can cause permanent, life-threatening diseases. This training helps participants **reduce risk, increase workplace safety**, and **stay compliant** with national WHS standards.

Target Audience

- Construction and demolition workers
- HSE officers and safety managers
- Site supervisors and forepersons
- Maintenance personnel
- Any workers exposed to dust-producing tasks

Individual Benefits

- Gain critical health and safety awareness
- Learn proper protective measures and handling practices
- Reduce long-term health risks
- Meet employer and legislative training requirements

Organizational Benefits

- Reduce liability and non-compliance penalties
- Promote a safer, healthier work environment
- Lower absenteeism and healthcare costs
- Improve safety culture across teams

Instructional Methodology

- Trainer-led presentations
- Dust hazard identification videos and images
- Real-life case studies and incident reports
- Interactive quizzes and checklists
- PPE demonstrations and exposure control scenarios

Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

- Training Hours:** 7:30 AM – 3:30 PM
- Daily Format:** 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00
- Day 1: Introduction to Silica & Dust Hazards**
- Module 1:** Overview of Construction Dusts (07:30 – 09:30)
 - Module 2:** What is Respirable Crystalline Silica (RCS)? (09:45 – 11:15)
 - Module 3:** Where Silica is Found – Common Activities and Materials (11:30 – 01:00)
 - Module 4:** Case Studies of Silica-Related Illnesses (02:00 – 03:30)
- Day 2: Health Effects & WHS Legislative Framework**
- Module 1:** Short- and Long-Term Health Effects of Exposure (07:30 – 09:30)
 - Module 2:** WHS Legislation and Duty of Care (09:45 – 11:15)
 - Module 3:** Employer vs Worker Responsibilities (11:30 – 01:00)
 - Module 4:** Legal Case Examples & Breach Consequences (02:00 – 03:30)
- Day 3: Exposure Assessment & Risk Control**
- Module 1:** Understanding Exposure Limits (TWA, STEL) (07:30 – 09:30)
 - Module 2:** Dust Monitoring Tools and Techniques (09:45 – 11:15)
 - Module 3:** The Hierarchy of Controls (Engineering, Admin, PPE) (11:30 – 01:00)
 - Module 4:** Interactive Risk Assessment Workshop (02:00 – 03:30)
- Day 4: Control Strategies in Practice**
- Module 1:** Engineering Controls – Water Suppression, Extraction Systems (07:30 – 09:30)
 - Module 2:** PPE Selection and Fit Testing (09:45 – 11:15)
 - Module 3:** Safe Work Method Statements (SWMS) for Dusty Jobs (11:30 – 01:00)
 - Module 4:** Housekeeping, Ventilation, and Decontamination (02:00 – 03:30)
- Day 5: Review, Practical Demonstrations & Assessment**
- Module 1:** Visual Inspection and Monitoring Demonstration (07:30 – 09:30)
 - Module 2:** PPE Donning, Doffing, and Mask Fit Check (09:45 – 11:15)
 - Module 3:** Final Knowledge Assessment (11:30 – 01:00)
 - Module 4:** Group Discussion, Feedback, and Certification (02:00 – 03:30)

Certification

Participants will receive a **Certificate of Awareness in WHS Silica & Construction Dust Hazards**, acknowledging their competency in identifying, managing, and mitigating risks related to airborne dusts in the workplace.

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In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: +601116373203	EMAIL: info@mawaevents.net
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