



Excavator Operator Safety Detailed Course Outline

Chapter 1

- Importance of Safety Training
- Hazard Assessment, Control & Elimination
- The Value of Life
- Communicating & Training
- Due Diligence
- Documentation
- Competent Person
- Attitude
- Culture

Chapter 2

- Legislation
- Personal Protective Equipment
- What is Safe?
- Driving Strategies
- Mental Skills
- Driving Strategy: What Is It & Why Use It
- Components of a Driving Strategy
- The Driver
- Driving Hazards

Chapter 3

- Excavator History
- Choosing the Right Excavator
- Get Familiar with the Excavator
- Parts of a Excavator
- Mechanical Problems
- Other Concerns before Starting
- Reasons to Read the Manufacturers Operating Manual
- Excavator Pre-Trip Inspection
- Excavator Inspection Report Form

Chapter 4

- Operator Positioning
- Stay in the Cab
- Stretching
- Starting
- Traction
- Slowing & Stopping
- Other Working Concerns
- Operating Under Challenging Conditions

Chapter 5

- Ground Disturbance Challenges
- How do Hits Occur?
- What is Considered a Contact?
- Provincial Laws that Apply
- Classification of Soil Types
- Sloping, Shoring & Trenching
- One Call
- Locate Responsibilities
- Locating & Marking
- Notifications
- Environment
- Excavator Physics
- Lifting, Lowering or Travelling
- Carrying or Lifting Personnel
- Loading/Unloading Procedures
- Load Securement
- Chapter Review Quiz
- Additional Resources

Practical:

Every participant will:

- Complete an inspection of the excavator
- Review the safety rules
- Drive through the course with the aim of competency, accuracy and timing improvement when:
 - Unloading & Loading
 - Lifting & Lowering
 - Reverse/back up to enter & exit areas
 - Travel & Tight radius turns

