

Learning Outcome	Instructor Notes
Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator	Explain the structure of the course and the need to comply with your instructions at all times • Explain that the industry is very dangerous and that only safe working practices will be adopted throughout the course • Personal safety is not just the absence of physical injury, can be affected by noise, vibration, dust and can lead to serious illness, death, lost time, lost income, expense for the employer, etc. • Explain Health & Safety at Work Act 1974, PUWER Regs, NRSWA, CDM Regs, risk assessment, method statement, Codes of Practice and other relevant legislation • CPA Guidance Documents • Remind learners that operators have moral obligations, legal obligations and environmental obligations • Explain reporting structures, the importance of good communication on site (colleagues, management, and other workers on site)
Have a working knowledge of the manufacturer's handbook for the particular machine to be used	Explain the importance of the manufacturer's handbook and that it will be used throughout the course. Stress that it has to be used in alliance with all relevant legislation
Be able to locate and identify the major components of the machine and explain their functions	Explain the different types of components • Explain the function of the components and how they all contribute to the safety and operational integrity of the machine • Explain, power units, hydraulic systems, attachments and safety systems etc
Identify and maintain PPE appropriate for use	Explain that PPE should include the following: Suitable safety boots, ear defenders, face / eye protection, dust mask if appropriate, suitable gloves, overalls, hard hat etc
Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements	Explain the importance of pre-operational checks and legal implications of using a machine without having checked it. Go through the sequence of checking, use manufacturer's handbook, check sheet, defect reporting procedure etc
Start and stop the machine and safely carry the machine	Explain and demonstrate the following: Correct starting and stopping procedure in accordance with manufacturer's recommendations • Correct manual handling procedure for carrying the machine
Conduct all necessary safety checks at the work area	Explain how to carry out pre-cutting safety checks, including: Vehicles • Ground conditions • Overhead obstructions • Buried services • materials types permit to work • Other workers • Public etc

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Carry the machine to the work area and correctly configure in readiness to carry out cutting tasks	Explain all safety procedures to be adopted including: Observations to be made prior to and during carrying the machine TILE assessment • Water supply • Correct machine set up • Access and egress • Excavation safety • identify correct service • Positioning of vehicle/power pack for power
Carry out cutting tasks	Explain procedures to be adopted including: Different types of cuts • Method statements, job specifications, risk assessments, permits to work • Types of buried services and how they are identified • Reporting procedures if services are damaged • Plunge cutting • Using a pipe cradle • Supporting cut sections • Measuring techniques and devices • Environmental issues
Clear cuttings and maintain clear working area	Explain procedures to be adopted including: Maintain clear footing • Move any cutting spoil • Maintain water levels • Method statements, risk assessments • Attachments etc
Clean and dismantle the machine	Explain procedures to be adopted including: Dismantle the machine and attachments • Clean as per manufacturer's handbook • Manual handling issues • Codes of practice and industry best practice
Carry out all end of shift and shut down procedures	Explain and demonstrate procedures to be adopted including: Shut down procedures and machine security

****The learning outcomes listed should not be considered in isolation and may be added to in order to accurately reflect the learner's duties and working environment***