

DRAIN & SEWER

Course Outline for Candidates



Course Title	WJA – Drain and Sewer (DS or DSP)
Brief Description	<p>This minimum 4hrs session is aimed at:</p> <p>People who operate drain and sewer jetting equipment.</p> <p>A personal copy of the Drain and Sewer water jetting “Red code” is provided during the course and this document is used as a reference throughout.</p> <p>People who manage and design drain cleaning tasks using water jetting equipment.</p> <p>The safety awareness course must be completed prior to attending this course. The Safety awareness card / certificate is valid for three years before it needs to be renewed for a further three years.</p> <p>This course provides knowledge and assists in the understanding of drain and sewer cleaning by means of assessments in:</p> <p>Theory. Operational skills. Understanding and knowledge. Safe use of equipment.</p> <p>Assessments are a balance of theory in a classroom environment and practical using live water jetting equipment.</p> <p>For DSP, training will include carrying out surface preparation using a jetting gun with a protective shroud with hose whip checks for additional safety.</p> <p>The pressure will not exceed 275 bar (4,000 psi) and candidates must be able to comfortably control the jetting accessories, this includes managing reaction force through manual handling.</p> <p>The training does NOT cover works that involves confined space entry into chambers, tanks, wet wells, or vessels. To carry out work in these conditions, operatives must have passed a recognised confined space entry course.</p> <p>The WJA’s aim is to eliminate the use of wash-down nozzles and for operatives to have optimum control over the delivery of water using a jetting gun with a trigger mechanism.</p>
Delivery	Classroom theory and practical assessment.
Why?	<p>Assists in the compliance with Health & Safety at Work Act 1974 (HASWA 74).</p> <p>High pressure water jetting is very hazardous process; therefore, it is a requirement for anyone involved in cleaning drains and sewers using water jetting to have knowledge and understanding of the hazards involved in water jetting so they can operate safely.</p> <p>This includes typical hazards, Legal requirements, pre-start checklist, safety devices, competent teams, water jetting equipment, health concerns and typical controls and PPE.</p>
Timings	Minimum 4-hour session (subject to class size and other courses)
Who Should Attend	<ul style="list-style-type: none"> • New operational candidates. • Water jetting candidates that are refreshing their WJA card which is near its expiry date. • Managers • Supervisors • Site owners • Permit issuers • Health and safety Managers / officers
Key Features	<ul style="list-style-type: none"> • Facilitated Group discussions.

	<ul style="list-style-type: none"> • Question and Answer sessions • Review of accidents in the industry • Use of personal knowledge within the training group which is facilitated by the instructor.
Content –Topics covered	<p>The training workshop covers the following topics:</p> <ol style="list-style-type: none"> 1. Introduction to drain and sewers. 2. Red code of Practice 3. Equipment (Checks and defects) 4. Hoses (Certification, checking & management) 5. Typical injuries 6. Nozzle (types and selection) 7. Reaction forces 8. If applicable for DSP only - Surface preparation using a jetting gun up to 275 Bar (4000 psi) under safe comfortable control. 9. Health and Safety at Work Act 1974 10. PPE and RPE 11. Drainage law 12. Components of a drainage system 13. Applications in practice 14. Practical assessment on cleaning a drain / sewer. 15. Practical assessment on surface preparation
Content - candidate outcomes	<p>This course will equip delegates with the tools to:</p> <ul style="list-style-type: none"> • Receive a copy of the WJA red code of practice and review best practice contained within the code. • Understand the hazards involved when cleaning Drains / Sewers • For DSP (in addition), cleaning a surface by utilising safe use of a jetting gun. • Understand health and safety and the hierarchy of control when applied to a water jetting task. • Have knowledge of the potential injury that can be caused by a water jet / pressurised system failure. • Understand daily checks and identify hazards on equipment prior to start up. • Understand what makes a competent team when cleaning drain / sewers and using a jetting gun. • Understand potential hazards within a water jetting task on cleaning drains and sewers. (DSP includes cleaning surfaces with a jetting gun). • Understanding how to prevent a water jetting injury and action taken as specified in the red code of practice. • Understand what we need to do to leave the area safe & secure.
Pre-Course Requirements	<p>To be at least 16 years of age and employed by a company or in a structured training course.</p> <p>To be at least 18 years of age if unemployed or not on a structured training course.</p> <p>To be able to understand English.</p> <p>This course is for candidates who are looking to renew their cards, or new-candidates who want to add Drain and Sewer module to their card.</p>