A course on *CCTV conduit inspection and reporting for operators, supervisors and managers*

Overview

Internal inspection of underground assets such as sewers, stormwater pipes and culverts, using specialised closed circuit television (CCTV) systems, provides asset owners with important information on the condition of these assets.

The Conduit Inspection Reporting Code of Australia WSA05-2008, published by the Water Services Association of Australia (WSAA), is the current Australian standard for this work.

Training of operators, supervisors and managers involved in aspects of the inspection and reporting on the condition of assets is critical for effective management of our valuable community infrastructure.

Our course over four days has been developed, in association with the Water Services Association of Australia and Underground Photographic Surveys to meet the requirements of WSA05-2008. It has also been designed to meet the requirements of Units, *NWP331B - Inspect conduit and report on condition and features* (for operators) and *NWP440A - Supervise conduit inspection and reporting* (for supervisors and managers), from the National Water Training Package, NWP07.

Who should attend?

CCTV operators who are required to operate and maintain CCTV systems and identify and record structural defects, service conditions and other features, in sewerage and stormwater conduits in accordance with WSA05-2008 (or 2006).

Supervisors, managers or assessors who are required to supervise contracts and or review data from inspections and or code features from video images should attend.

Previous course participants may attend one or more days as a refresher for a small fee.

Learning outcomes/elements

At the completion of training and a period of workplace practice participants should be able to meet the outcomes for Units as follows

NWP331B - Inspect conduit and report on condition and features (for operators)

o   Plan and prepare for conduit inspection
o   Operate and maintain equipment
o   Identify and code defects and other features observed during conduit inspection
o   Withdraw inspection equipment and reinstate system operation
o   Review, record and report work

NWP440A - Supervise conduit inspection and reporting (for supervisors and managers)

o   Determine inspection reporting requirements
o   Review video images, data and reports from inspections
o   Identify and code defects and features from video images of conduit inspection
o   Prepare conduit inspection reports for client

Co-requisites

Before a candidate can be issued with a Statement of Attainment in *NWP331B - Inspect conduit and report on condition and features* he/she will be required to produce evidence that they have the following qualifications:

- A Statement of Attainment in *NWP219A - Work safely in confined spaces* or equivalent recognised qualification in confined space entry
- Statement of Attainment in *BSBOHS303A - Contribute to OHS hazard identification and risk assessment* **or** Workcover NSW OHS General Construction Induction Certificate **or** equivalent qualification
- A recognised qualification in basic Traffic Control Planning

Learning activities/content

Learning activities involve classroom discussion; review of WSA05-2008 definitions and example photographs; coding still and video images as well as setting up and operating a CCTV camera unit. Content includes:

Qualifications for operator and supervisor
Specifications and special requirements
Asset management concepts
Characteristics of various conduits
Flow management and asset isolation
Coding, scoring and grading system
Software for reporting
Operation and maintenance of equipment

Unusual features, common mistakes and special techniques
Acceptance inspection of new sewers and stormwater conduits
Plans and asset information
Hazards in sewerage and stormwater systems
Data security
Assessment requirements

Assessment

Assessment is based on individual classroom and workplace assessment tasks and may involve some or all of the following:

- Written assessment tasks undertaken during the course
- Coding of conduit defects and other features from video record of actual inspections
- Two actual conduit inspections and reports completed by the participant (operator)
- Workplace assignments in relation to management of inspections (supervisor)

Duration

Four days for operators.
Three days (Days 1, 2 and 3) for supervisors and managers.
One or more days for refresher attendance.

Cost

For registration, notes, Code and assessment fees– see Registration Form.

Venue

See details in Registration Form.

Conditions and special requirements

Lunch and refreshments are provided. Please advise of any special dietary requirements.

Participants will need to bring a notebook computer meeting the following requirements:

- CD/DVD drive and with Windows Media Player installed.
- Wincan Version 8 installed (with dongle) OR the operating system 'unlocked' to allow temporary installation of Auscodes software

Closed in shoes, work clothing and high visibility vests are required for the on-site practical components of the course (operators only).