

# THE NATIONAL DRAINAGE ACADEMY



*Fully Accredited and Bespoke Training for the Drainage and Sewage Industries*





**“Despite the continuing challenges facing industry, those that fail to focus on the importance of delivering training for their employees will lose valuable ground to those who understand its value”**

The National Drainage Academy (NDA) is a training centre dedicated to delivering fully accredited and bespoke courses tailored to meet the needs of those organisations operating within the drainage and sewage industry. Created to increase the skill levels of personnel, the courses delivered by the NDA will ensure ~~that~~ organisations are also fully compliant in meeting their current legal and statutory obligations. All courses have been designed in accordance with either the National Standards or manufacturers' requirements and, of course, comply with all relevant codes of practice. Established in association with Whale Tankers – a specialist manufacturer to the waste and cleaning industries – and located at their Solihull premises, the National Drainage Academy intends to become recognised as the leading centre of training excellence within the industry. The following suite of courses has been developed to meet the operational requirements of the sewage industry, as well as ensuring the continuous professional development of the operators and are recognised by EU Skills through the EEIAS.



# Drain and Sewer Cleaning Using High Pressure Water

2  
DAY

*The course is designed for experienced or novice sewerage tanker operators and sewer jetting operatives, using van- pack, trailer jetters or jetvac units. The course will be of benefit to sewerage tanker drivers and sewer jetting operatives who wish to demonstrate their practical skills and knowledge in the safe use of high-pressure water jetting equipment, vacuum tanker (if applicable) and safe working procedures. The course follows Approved Codes of Practice and Manufactures Guidelines. Upon completion delegates will be able to assess the risks involved with high-pressure water jetting, understand the need to follow safe systems of work and demonstrate effective actions for dealing with injuries and emergencies. The course involves practical hands on water jetting exercises and vacuum tanker cleaning operations (if applicable).*

*The underpinning knowledge within the course is designed to avoid serious harm or fatality as a result of a lack of basic knowledge when operating combination tankers (jetvacs), jetting trailers or van-pack systems. Delegates will be able to demonstrate a greater awareness of perceived risk to themselves and their colleagues and have the conviction to question unsafe working practice and implement safe systems of work. The course is a highly effective way of delivering health and safety awareness from the ground upwards in any business, helping the workforce to implement company-working practices.*

## OBJECTIVES

- Identification of potential hazards through risk assessment
- Setting up equipment with regard to the safety of operators
- Using equipment effectively & safely
- Immediate procedures to adopt in the event of injury by the impact of a water jetting nozzle
- Precautions to be taken when using a mains water supply
- Selection of appropriate PPE
- Knowledge of the Sewer Jetting Code of Practice





# Working in Medium Risk Confined Spaces (Water) -NC3

## OBJECTIVES

- Confined Spaces Regulations 1997
- Personal protection and hygiene requirements
- Risk assessment and implementing safe systems of work
- Types of gaseous atmospheres, portable gas monitoring equipment and its use
- The use of harness tripod/man-riding winch, fall arrest and safety line
- The use of escape breathing apparatus and self evacuation procedures
- Safe entry working and exiting procedures at confined spaces of Practice
- Knowledge and skill exercises for planning, entering, working and exiting confined spaces using escape breathing apparatus as a part of the planned means for self evacuation

2  
DAY

*This course provides knowledge of confined spaces and their inherent dangers enabling the operative to plan, enter, work and exit such areas, including via a vertical shaft and where escape breathing apparatus is used as part of a planned means of self rescue. The course will be of benefit to operatives who may have to enter a confined space as defined "any place including, tanks, chambers, pits, pipes, sewers, flues, wells, or other similar place, in which by virtue of its enclosed nature, there arises a reasonable foreseeable specified risk". Upon course completion delegates will be able to identify and assess the risks of entering a confined space. Delegates will understand the need to following safe systems of work using gas monitoring equipment, escape breathing apparatus, safety harnesses, fall arrest devices and associated control measures. The course includes practical hands on confined space exercises including entry via a vertical shaft, use of escape breathing apparatus safety harnesses and gas monitoring devices.*

*The underpinning knowledge within the course is designed to avoid serious harm or fatality as a result of a lack of basic knowledge on entering confined spaces. Delegates should be able to demonstrate a greater awareness of perceived risk to themselves and their colleagues and have the conviction to question unsafe working practice and implement safe*

*systems of work. The course is a highly effective way of delivering health and safety awareness from the ground upwards and is recognised as a National Occupational Standard in the Water Industry as an alternative to the City & Guilds 6150-02 qualification.*



# Vacuum Tanker and Jetvac Training

1  
DAY

*This course is designed for experienced and new Sewerage Tanker Drivers/Operatives and Sewer Jetting Operatives. Developed with Whale Tankers it is aimed at crews who are required to safely operate vacuum tankers with or without water jetting equipment. The course will be of benefit to drivers/operatives who wish to demonstrate their practical skills and knowledge in the safe loading, discharge and operation of vacuum tankers and limited use of jetting equipment. Tanker drivers and operatives will also be able to show effective awareness of their duties on site and on the highway. The course follows Approved Codes of Practice and Manufactures Guidelines.*

*The underpinning knowledge within the course is designed to avoid serious harm or fatality as a result of a lack of basic knowledge when operating tankers and or jetvacs. Delegates should be able to demonstrate a greater awareness of perceived risk to themselves and their colleagues and have the conviction to question unsafe working practice and implement safe systems of work. The course is a highly effective way of delivering health and safety awareness from the ground upwards in any business, helping the workforce to implement company-working practices.*



## OBJECTIVES

- Risk Assessments
- Driver responsibilities and duties
- Daily checks to be carried out
- Personal Protective Equipment
- Hazards to avoid during loading and discharging
- Safe tipping of the tank procedures
- Procedure for opening door clamps
- Procedure for loading under vacuum
- Procedure for gravity and pressure discharge
- Hazards of driving with part loads



# Safe Isolation and De-ragging of Dry and Wet Well Pumps

## OBJECTIVES

- Risk assessments
- Safe system of work for sewage pump isolation and de-ragging
- Hazards to be expected during pump de-ragging
- Equipment required
- Procedures (point of work risk assessment)
- Procedure for safe de-ragging shaft driven pumps
- Procedures for safe unblocking airlines of shaft driven pumps
- Procedures for safe de-ragging wet well pumps
- Back flushing
- Working outside normal hours
- Practical safe isolation & lock off of dry well pumps
- Stored energy awareness
- Use of correct tools for removing pump inspection covers
- Use of specific hand tools for de-ragging
- Safety procedures during de-ragging
- Making entries into site logbooks
- Good house keeping

1  
DAY

*This is a one-day practical training course specifically designed for Sewerage Operatives, who in their normal course of work are required to correctly isolate and de-rag shaft driven dry well pumps and submersible wet well pumps. The course will be of benefit to operatives in the water industry who wish to prove the level of competency in understanding the inherent dangers of pump de-ragging. The course follows Approved Codes of Practice and Manufactures Guidelines. At the end of this course the delegates will be able to recognise pump failure, assess the risks involved and follow safe systems of work including isolations of energy sources and effective use of other control measures.*

*The underpinning knowledge within the course is designed to avoid serious harm or fatality as a result of a lack of basic knowledge when de-ragging pumps. Delegates should be able to demonstrate a greater awareness of perceived risk to themselves and their colleagues and have the conviction to question unsafe working practice and implement safe systems of work. The course is a highly effective way of delivering health and safety awareness from the ground upwards in any business, helping the workforce to implement company-working practices.*



# Drain and Sewer Cleaning Using High Pressure Water Re-Assessment

1  
DAY

*This is a one-day assessment event that operatives are required to complete for renewal of their three yearly certificate and EUSR registration for Drain and Sewer Cleaning Using High Pressure Water. As a pre-requisite candidates complete an on-line assessment. If successful the candidate can then attend the practical and task specific assessment day. This re-assessment event is only available to experienced operatives. Novices and those who are unsuccessful (on-line assessment) will need to attend the full two day course.*



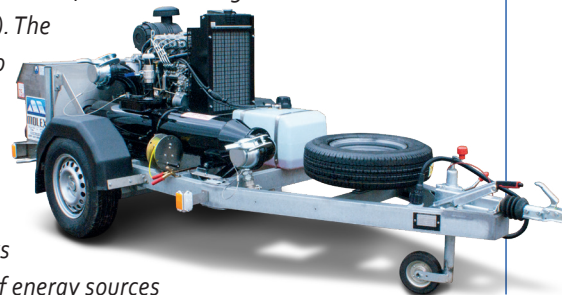
## OBJECTIVES

- Health & Safety Law
- Accidents & Diseases
- Vacuum Tankers
- High Pressure Water Jetting Operations
- Jetting Nozzles
- Water Jetting Damage To Pipelines
- WRC Sewer Jetting Code Of Practice 2005

# Molex Pump Set Trailer

1  
DAY

*This is a one-day practical training course specifically designed for Sewerage Operatives, who in their normal course of work are required to correctly operate, isolate, remove blockages and carry out basic repairs on progressive cavity pumps (Molex). The course will be of benefit to operatives in the water industry who wish to prove the level of competency in understanding the inherent dangers of operating, cleaning and repairing Molex pump sets. The course follows Approved Codes of Practice and Manufactures Guidelines. At the end of this course the delegates will be able to recognise pump failure, assess the risks involved and follow safe systems of work including isolations of energy sources and effective use of other control measures.*



## OBJECTIVES

- Safe operation and basic repairs on progressive cavity pumps (Molex)
- Assess the risks involved with operating & maintaining progressive cavity pumps (Molex)
- Follow safe working procedures/ instructions
- Appropriate and effective hygiene procedures





## CONTACT THE TRAINING TEAM



### Email

[ContactUs@TheNDA.co.uk](mailto:ContactUs@TheNDA.co.uk)



### Website

[www.thenationaldrainageacademy.co.uk](http://www.thenationaldrainageacademy.co.uk)



### Telephone

0121 704 5700



### Fax

0121 704 5701



### Opening Hours

Monday – Thursday: 8.00 am to 5.00 pm

Friday: 8.00 am – 1.30 pm



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Established in association with Whale Tankers – a specialist manufacturer to the waste and cleaning industries – and located at their Solihull premises, the National Drainage Academy intends to become recognised as the leading centre of training excellence within the industry.

The suite of courses has been developed to meet the operational requirements of the sewage industry, as well as ensuring the continuous professional development of the operators.

#### The National Drainage Academy states:

*"Despite the continuing challenges facing industry, those that fail to focus on the importance of delivering training for their employees will lose valuable ground to those who understand its value. Having sought feedback and involvement from the drainage and sewage sectors, the Academy is focused on meeting industry requirements."*

*"Setting up both the infrastructure and course content for the Academy has involved a significant level of investment. The demand for the courses covering high pressure water jetting and confined space training has already been above our expectations."*

Created to increase the skill levels of personnel, the courses delivered by the NDA will ensure that organisations are also fully compliant in meeting their current legal and statutory obligations. All courses have been designed in accordance with either the National Standards or manufacturers' requirements and, of course, comply with all relevant codes of practice.

Each course will be provided by organisations with the specialist knowledge in each sector of involvement. The Academy has invested in a dedicated training facility for confined space designed to cover low, medium and high-risk courses, all of which incorporate changing environments. Subject to course type, training can be carried out at the NDA or at a location of the customer's choice.

Upon successful completion of the courses on offer – one or two day duration – participants will receive a certificate, ID card and be logged onto the EUSR database.

Anyone interested in obtaining full details of dates covering both public courses, or those tailored to suit specific needs, should contact Whale Tankers on 0121 704 5700.



*Reliability, Service, Value ... for Life*