Mick Daynes MIDE

Demolition Consultant & Trainer

PERSES

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General

Mick Daynes is a trainer and consultant for Perses. His specialist area is demolition, with over 30 years ' experience in the industry. He began working for his family's demolition company in the late 80s and has worked on a wide range of projects from strip-outs to power stations. Of all the projects Mick has worked on, he describes "cutting down" his first gas-holder as the most satisfying. Mick, like many of that era, has worked in every aspect, from labouring to Oxy-Fuel cutting, and supervising to machine operating. Machines are his real passion.

Mick has many demolition-related qualifications, including CCDO Manager, 360 operators, SSSTS, and CCDO Topman. His health and safety qualifications include: level 3 teaching and training, UKATA approved trainer, P402, and a full Member of the Institute of Demolition Engineers (IDE).

Skills

- Vast knowledge of all aspects of demolition with over 30 years of experience.
- Excellent plant operator.
- Good knowledge of health and safety.
- Good public speaker.
- Good communication skills.
- Quick learner.
- Excellent trainer in both theory and practice.
- Good team leader.
- Adaptable thinker.

Professional Experience

Demolition Consultant and Trainer | PERSES Group, Edinburgh, United Kingdom | 2023 - Present

Providing occupational health and safety advice and environmental advice to the demolition industry.

I have delivered modules for both the master's and foundation demolition degrees.

Eggborough Power Station

This project involves the decommissioning of the former 2-gigawatt coal-fired power station (comprising four 500-megawatt units, eight 90-metre-high cooling towers and a 200-metre chimney), which was operational until March 2018. The decommissioning process began in 2018, starting with the removal of the coal conveyors. The structural makeup consists of heavily reinforced concrete floors and foundations, as well as heavy steel frames and cladding.

The demolition methods employed a combination of piecemeal methods, hot-work preparation, explosive events, and progressive fragmentation using a demolition rig from a safe working distance, along with clearing and processing the demolition materials.

Initially, I was appointed as a Safety Auditor, conducting monthly on-site safety audits to ensure that health and safety standards were met, CDM duties were complied with, and, most importantly, the overall safety of the site and the workforce was maintained.

I then developed bespoke training programmes for the burners and carried out skills gap analysis assessments for the operatives to ensure the level of training was as accurate and as specific to the task as possible.

Oval Village, Phase 2

I worked for St. Edward (part of the Berkeley Homes group) on the decommissioning and demolition of the former four gas holders and ancillary structures at the iconic Oval Gas Works, which was once the largest gas works in Europe, located in the built-up area of Vauxhall in London.

We conducted a project-specific competence assessment for each contractor on the tender list, discussing the contractor's overall capabilities, including available resources and any potential required resources (critical path items) to ensure the work is carried out safely and to program. We then advised the client on the most suitable contractors capable of undertaking the work.

We attended the pre-appointment meetings with the client and provided feedback on the tendering contractors to rank the bidders based solely on the quality of their submissions, ensuring the best contractor was selected.

A further high-risk package review meeting was conducted with the successful contractor prior to the pre-start meeting. The meeting involved both the contractor and the client to further focus on the specifics of the site, as it was a former gas installation and a high-risk contract in the city centre.

Once the contractor’s Construction Phase Plan (CPP) was completed, we were tasked with reviewing the plan and the Risk Assessment and Method Statement (RAMS) for the project and continually commenting on the revisions and updates of both sets of documents.

Throughout the project, we conducted monthly audits planned to coincide with specific phases, which included environmental audits, CDM compliance audits, and process-specific demolition audits.

Tradebee

Phase 1 was with Tradebee and consisted of the marking and tracking of the pipes from the inventory tanks to the discharge pipes once the primary cleaning sequence was completed by the client.

The pipes were checked with a laser to ensure they were level with any deflection sags areas identified and marked before being cold drilled to prevent the material from pooling at low points and creating hazards. The pipes were then unbolted at the flanges to prevent the build-up of gasses and to aid in monitoring the cleaning stage. Phase 2 was with FCC Environmental and was the demolition phase of the contract.

This site was challenging as the client changed during the process, delaying what was initially a cost credit contract by around six months. As the second phase started, the scrap markets dropped, impacting the overall value of the credits and disrupting the flow of information as the handovers took place.

Our Scope:

We were appointed as the demolition consultant for the project by the contractor, but we advised the client on the decommissioning strategy, the sequencing of the demolition phases, and the correct demolition methods for the project.

Our roles included checking the Principal Designer's supplied PCI to ensure it was specific to the decommissioning and demolition phases and helping to create the Contractor's Construction Phase Plan (CPP).

Assist in selecting the methods of demolition and compiling the Risk Assessment and Method Statement (RAMS) for the project before the works commence.

Throughout the project's period, we carried out bi-weekly audits to ensure the demolition works were being carried out to the RAMS and to ensure the highest standards were always maintained on-site. At points in the programme, which were identified as higher risk, such as crane lifts, cut and pull collapses, and asbestos works, our project manager was on site full time to ensure the highest standard of safety was maintained during the processes.

What we did:

Assist in the development of the demolition specification, including the decommissioning sequence.

McCain's food factory – Demolition consultant.

I worked for the principal contractor RGS Waste and Transport to remove plant and demolish redundant buildings.

This project involved the demolition and removal of the redundant plant/building on the "live" McCain's food factory.

The redundant plant was primarily made up of stainless steel. The building structure consisted of a steel frame with brick external/internal walls.

The demolition and dismantling techniques involved plasma cutting, oxy-fuel cutting, and progressive fragmentation using a demolition rig from a safe working distance, clearing and processing the arising demolition materials; reduced level dig, and removing the site to a clean and level finish.

The work included writing the RAMS, carrying out site audits, and liaising with the client's health and safety adviser.

Greenfield Court, Weatherby – Demolition consultant.

I worked for the principal contractor RGS Waste and Transport on the former nursing home's demolition.

This project involved the removal of asbestos and demolition of the brick/timber-built former care home using a mixture of piecemeal method hand demolition and progressive fragmentation using a high-reach demolition rig from a safe working distance, clearing and processing the arising waste materials; reduced level dig and removing the site to a clean and level finish.

The work included writing the RAMS and carrying out site audits.

Perkin House, King Street Factory, Bradford - Demolition consultant

I was working for the Demolition contractor Metropolitan Demolition.

The six factory buildings consisted of steel frames with brick and concrete walls.

This project involved the removal of asbestos and demolition of the factory using a mixture of piecemeal methods, saw cutting, hand demolition, and progressive fragmentation using a high-reach demolition rig from a safe working distance, clearing and processing the arising waste materials; reduced level dig and clearing the site to a clean and level finish.

The work included assisting with the RAMS, site audits, and on-site training.

Hartford College, Chester - Demolition consultant

I was working for the Demolition contractor Lancashire and Cumbria Demolition.

The college buildings were a mix of steel, concrete, and timber-framed structures.

This project involved the removal of asbestos and demolition of the former college using a combination of piecemeal methods, hand demolition, and progressive fragmentation with a high-reach demolition rig from a safe working distance. The arising waste materials were cleared and processed. A reduced level dig and site clearance were carried out to achieve a clean and level finish. The adjacent college building was still open, along with tree protection orders and wildlife protection on site, which made for a challenging project.

The work included assisting with RAMS, liaising with the client, conducting site audits, and providing on-site training.

British Nuclear Fuels, Preston - Site supervisor

Working for Robinson and Birdsell.

The project involved dismantling a redundant plant in a critical area of BNFL using cold-cutting methods.

As a supervisor, I managed the workforce, delivered toolbox talks, and assisted with method statements. This work also involved removing asbestos-cement sheets, for which I planned and prepared all corresponding paperwork.

Coventry Gas Works - Top-burner

Working for Robinson and Birdsell.

The project involved the dismantling of 4 gasholders, which were removed to make way for the Ricoh Arena, home of Coventry City F.C.

Role as top burner; Dismantling the large gas holders using oxy-fuel cutting method. During this contract, I was directly responsible for cold-cutting the roof, hot-cutting the framework and steel panels, and processing the steelwork.

Flockton House, Bradford - Site supervisor/plant operator.

Working for F. Hardwick Demolition.

This project involved the demolition of the 19th-century former council building.

The building consisted of slate, stone, and timber, all of which had to be reclaimed, using a mixture of piecemeal method, hand demolition, and progressive fragmentation using a demolition rig from a safe working distance, clearing and processing the arising waste materials; reduced level dig and clearing the site to a clean and level finish.

My role involved everything from setting up the site and liaising with Bradford Council agents to salvaging all stone and slate materials, which enabled the company to generate a profit. It made for a challenging contract with the local swimming pool next door in the heart of a busy housing estate.

Mirfield Bridge- Site supervisor/plant operator.

This project involved the demolition of the stone/steel former railway bridge, which spanned the main highway, over 48 hours, using a combination of fuel cutting and progressive fragmentation with a demolition rig from a safe working distance. The resulting waste materials were cleared and processed.

My role involved planning the project, assisting with the RAMS, liaising with the client, and operating the excavator.

Hire - Plant operator.

I was often hired as a machine operator for specialist demolition work by numerous companies, which would request my services again when a similar project arose. These companies included Bradford Council, Thomas Crompton, Sirius, Allied, Wakefield Council, and Southdale Holmes.

QUALIFICATIONS

Demolition Qualifications

- Full Member of the Institute of Demolition Engineers (IDE)
- SSSTS site supervisor trained
- NVQ Level-2 plant operator
- CCDO demolition topman
- NDTG demolition manager
- CPCS plant operator
- Temporary Works Supervisor
- NDTG Approved Trainer

Asbestos Qualifications

- UKATA Approved Trainer
- NDTG Approved Trainer
- BOHS P402 Surveying and Sampling Strategies for Asbestos in Buildings
- NNLW
- Asbestos Awareness

Management Qualifications

- CCDO Demolition Manager. NVQ level 6.

Health And Safety Qualifications

- NOCN Level 6 NVQ Diploma in Occupational Health and Safety Practice
- Level 3 Award in Education and Training
- SSSTS site supervisor trained
- NVQ Level-2 plant operator
- Fit2Fit Qualitative face fit tester
- CPCS plant operator
- Mental Health First Aider

Training And Assessing Qualifications

- Level 3 Award in Education and Training

- UKATA approved trainer.
- NDTG Approved trainer, all levels.
- I have delivered modules for both the master's and foundation demolition degrees.

Temporary Works

- Temporary Works supervisor.