

# Polytec Pipe Welding QA Inspection Training Agenda

The POLYTEC® Pipe Welding QA Inspection program is ideally suited to participants who have completed the National Training Package PMB WELD 301 (Buttwelding), and WELD 302 (Electrofusion) Competency Units, and/or have extensive site experience in site welding PE pipes.

## QA Inspector/Site Supervisors

- Role of independent QA Inspectors
- Role of contractor Supervisors

## Project Specifications

- Requirements of particular job specifications
- Resolution of specification deficiencies
- Understanding of PE pipe and fittings specification and Standards requirements

## Safe Work Method Statements

- Role of Safe Work Method Statement requirements for site welding activities
- Assessment of Contractor Safe Work Method Statement proposals
- Establishment of agreed Safe Work Method Statement

## Inwards Goods Inspection

- Inspection of PE pipes delivered to site
- Inspection of PE pipes stored on site
- Inspection of fittings delivered to site
- Inspection of fittings stored on site

## Welding Operations

- Welding machine and control box calibrations and operating requirements
- Environment control
- Welding parameter sheets
- Welding record sheets
- Welding procedures sheets
- Pilot welding pre qualifications

## Field Inspection Testing

- Role of ongoing QA procedures throughout welding processes
- Identification of critical elements
- Completed joint visual inspections
- Completed joint record sheets
- Non-destructive on site testing and records
- Statistical sampling methods for physical test specimens selection

## Laboratory Testing

- Role of onsite inspection compared to laboratory testing
- Assessment of laboratory test results against Specification requirements

## Course Competency Evaluation

- Theory knowledge examination
- Practical case studies of completed joints
- Oral discussions
- Assessments of welded joints during practical production

**Course contact time 8 hours**



# Polytec Pipe Welding QA Inspection Training Program

- Combines theory with practical welding procedures
- Provides the latest international information
- Hard copy reference manual supplied
- Course contact duration 8 hours
- Applicants who successfully complete all competency evaluation requirements will be issued with security coded accreditation cards.



Polytec Pipe Welding QA Inspection

## Polytec Pipe Welding QA Inspection

- The POLYTEC® Pipe Welding QA Inspection Program is Nationally available, and is delivered by LeHunt and Associates in partnership with licensed TAFE Colleges, and Skills Centres.
- This provides an internationally expert system together with localised support facilities.
- The POLYTEC® Pipe Welding QA Inspection Program can also be provided in house with specific clients to meet individual organisation requirements.
- Participants who successfully complete all the theoretical and practical evaluation requirements are issued with security coded accreditation documents.

POLYTEC® Pipe Welding QA Inspection is available from:

0800 PE WELD (0800 739 353)  
PO Box 305096, Triton Plaza  
Auckland 0757 NEW ZEALAND  
[www.pewelding.co.nz](http://www.pewelding.co.nz)  
[info@pewelding.co.nz](mailto:info@pewelding.co.nz)

## Polytec Pipe Welding QA Inspection

The POLYTEC® Pipe Welding QA Inspection program is an engineering based, expert system for site welding PE pipes.

This program covers the QA requirements associated with the latest developments in materials, products, and methods in welding PE pipelines under site conditions experienced in Australia and New Zealand

As PE pipe systems are used in larger diameters, higher pressure classes, and thicker wall sections, the requirements for high quality joints becomes more important in practical applications.

LEHUNT AND ASSOCIATES have developed the POLYTEC® system of pipeline training and accreditation programs drawing on some 25 years of experience in pipeline technology, including design, manufacturing, product development, research and development in materials, field technical services, and specification development.

We have drawn on our local research programs, together with our UK, European co-operative research programs, and technical liaison to develop world's best practice systems to meet industry needs in PE pipe Pipe Welding QA Inspection.



### **Technology Transfer – Project Management**

8 Hamilton Court, Pearcedale,  
Victoria 3912, Australia  
Telephone (03) 59 787 121  
[www.lehunt.com.au](http://www.lehunt.com.au)



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