

Who Should Attend?

This course has been designed for operators of butt and electrofusion welding equipment. Maintenance and pump crews, plumbers and personnel employed in the PE piping industry will also benefit by attending this course.

Day One.

Session One (theory)

Introduction Into Polyethylene Piping.

- Identify polyethylene materials
- Chain branching
- Molecular weight
Crystallinity
- Behaviour upon heating and cooling
- Density
- Melt flow rate
- Oxidation and UV effect

Session Two (theory)

Australian & New Zealand Standards 4130 & 4131 : 2003

- Classification for pressure ratings.
- Standard dimensional ratio.
- Pipe markings.

Session Three (theory)

Determination of Butt Welding Parameters.

Session Four (practical)

The Butt Welding Procedure.

- Weld area.
- Safety precautions.
- Set-up considerations.
- Maintain weld equipment
- Drag pressure.
- Shaving.
- Alignment.
- Bead up & soak pressure.
- Heater plate removal.

- Bead roll over.
- Weld/cooling time.

Day Two

Session Five (practical)

Exam – complete two butt welds as per competencies.

Session Six (theory)

Inspection & Testing of Butt Welded Joints.

Long term methods:

- Hydrostatic

Short term methods:

- Tensile & Bend test.

Session Seven (theory)

QA/QC Requirements.

Quality records:

- Heater plate temperature.
- Pipe inspection.
- Butt weld joint register.

Session Eight (theory)

Electrofusion of Polyethylene:

- Fitting jointing procedure
- Saddle jointing procedure
- Causes of failures Inspection and Testing of Electrofusion Welded Joints

Session Nine (practical)

Electrofusion of Polyethylene.

- Exam— complete Electrofusion weld as per set competencies

Session Ten (theory)

Exam – open book with 100% result.

Course Pre- requisites

Nil Required

Preferable to have experience in the plastic piping industry

Course Outcome:

After successful completion of the theoretical and practical components, students will be issued with a Statement of Attainment covering the competencies PMBWELD301B Butt weld polyethylene plastic pipelines and PMBWELD302B Electrofusion weld polyethylene pipelines. Students may also complete RPL to achieve Personal Identification Weld Stamp and Certified Welders Card.

Course Dates/Times

The course is offered on a regular basis from Perth. On-site courses are available upon request. Start times are 8.00am and finish times are 4.30pm.

Course Duration

Generally 16 hours over 2 days

Course Fee

One fee when conducted in Perth. A second on-site fee all available upon request.

***Payment is required prior to the course**

BCITF APPROVED.

Venue

125 Sheffield Road, Welshpool, WA

Lecturers

Course delivered by : **Maxine Minchin,**
Adrian Zouch, David Burge.

Enquires: Kelly 08 9258 9444

For further information please contact:
Mobile: 0400 219 408

Tel: 08 9258 9444 Fax: 08 9258 9555

Email: pft@iinet.net.au Web: www.pft.com.au

REGISTRATION FORM

Name:
Company:
Address:
..... Postcode
Tel: Fax:

Yes, I would like to enroll.....personnel in the
PE PMBWELD301B Butt and PMBWELD302B
Electrofusion Welding Course.

My cheque for \$..... made payable to the
Polymer Fusion Technology.

Forward Registration Form to:

The Manager.
P.O. Box 59,
Welshpool. DC
WA 6986
Fax: 08 9258 9555
Email: pft@inet.net.au

Refund Policy:

Should a course be cancelled at the initiative of Polymer Fusion Technology, for any reason, all participants will receive a full refund.

Should a participant withdraw after the start of a training program a refund or credit will be considered depending on the circumstances.

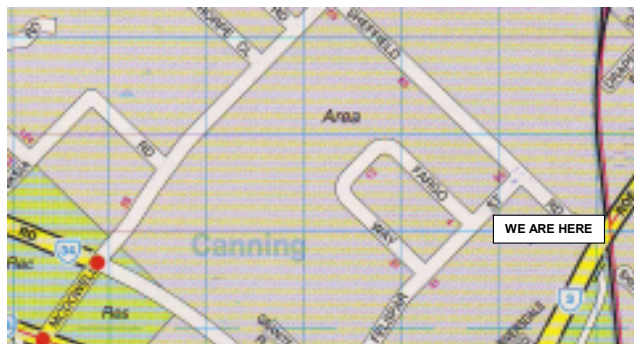
Where a minimum number of students are required to run a course, no refund will be given once the course is confirmed to the participants.

Dress & Protective Safety Equipment Code For Training Practical Work

- Steel capped boots
- Long trousers
- Shirt with collar
- Safety glasses



Training Accreditation Council
WESTERN AUSTRALIA



PMBWELD301B

Butt Weld Polyethylene

Plastic Pipelines

&

PMBWELD302B

Electrofusion Weld

Polyethylene Pipelines

TRAINING COURSE