



Specification for Registration as an approved Polyethylene Welder on SCIRT projects

First published: May 2012
Last updated: 10 December 2014

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Table of Contents

Contents

1. INTRODUCTION.....	3
2. DEFINITIONS.....	3
3. VARIATION OF REGISTRATION SPECIFICATION	4
4. APPLICATION FOR APPROVAL	4
4.1 Application Process.....	4
4.2 Competence requirements.....	4
5. APPROVED POLYETHYLENE WELDER STANDARDS	5
6. SUSPENSION OF REGISTRATION.....	6
6.1 <i>Suspension test welds</i>	6
6.2 <i>Suspension Revocation</i>	6
7. CANCELLATION OF REGISTRATION.....	6
8. GENERAL	6
9. PROCESS FLOW CHART	7

1. INTRODUCTION

The purpose of this register is to reduce the potential for defective polyethylene welds and electrofusion joints and the corresponding decrease in asset life by ensuring that welders are competent and familiar with Council's standards.

Polyethylene welders that are approved under this scheme are considered suitably qualified to undertake electrofusion and butt joints welding polyethylene pipe on SCIRT projects.

2. DEFINITIONS

The following definitions apply (unless the context requires otherwise):

Approved Welder	an individual approved by SCIRT PE Best Practice Working Group to carry out Authorised Work
SCIRT Welders' Register	A register held by the records the names of Approved Welders
Authorised Work	Polyethylene welding and electrofusion and butt welding on pipework that is part of SCIRT infrastructure
Council	The Christchurch City Council
CSS	The Christchurch City Council Standard Specifications
Delivery Team	The Contractor who employs the Approved Welder
Effective Date	The date on which the welder is approved
EXITO	Extractive Industries Training Organisation
IDS	The Christchurch City Council Infrastructure Design Standard
MITO	Motor Industry Training Organisation
NZQA	New Zealand Qualifications Authority

NZWETA	New Zealand Water and Environment Training Academy
Lehunt	Lehunt Consulting Engineers
Working Day	A day on which registered banks open for business in Christchurch excluding Saturdays, Sundays and public holidays

3. VARIATION OF REGISTRATION SPECIFICATION

The specification shall apply from the Effective Date, giving not less than 20 Working Days' notice in writing to the Approved Welder.

4. APPLICATION FOR APPROVAL

4.1 Application Process

The applicant shall:

- a) Be familiar with this specification
- b) Complete the application form
- c) Send the application form, and all the required documentation to applicable SCIRT Delivery Team. Alternatively apply via SCIRT – see below

Send to: david.fitzmaurice@scirt.co.nz

4.2 Competence requirements

The applicant shall provide proof of competence in the following areas:

- a) Relevant Experience – written proof of 6 conforming welds for each category applied for, including peel/decohesion test results, which comply with the category of the application and that have been undertaken by the applicant within the past 12 months, including details of the welding machine used along with referee contact details.
- b) Training – a NZWETA, MITO, NZQA or LeHunt welding certificate in the applicant's name that is relevant to the weld type applied for and that was received within the last two years
- c) Track Record – SCIRT will also consider the applicant's track record of completing projects to SCIRT Standards, using quality systems and providing quality documentation, including references from management staff on named projects
- d) New welding applicants shall be assessed on site to confirm correct welding equipment is being used and that welders can demonstrate full welding knowledge through on site testing for

both electrofusion and butt welding as applicable. Assessors shall be confirmed by SCIRT PE Best Practice Working group. Current appointed assessors are
 Mark Heslin Mark.Heslin@citycare.co.nz
 Dan Hodder dan@fusionsolutions.co.nz
 Assessments shall be arranged by relevant Delivery Team

4.2 Approval categories

The four categories of approval are:

Outside Diameter	Electrofusion	Butt Fusion
Up to and including 250mm	EF 250	Butt 250
280mm and above	EF 280	Butt 280

The applicant shall indicate the category(ies) for which they are applying on the application form.

If applying for both sizes (up to 250mm and above 280mm) then test results for the larger size category need only to be submitted.

5. APPROVED POLYETHYLENE WELDER STANDARDS

SCIRT requires all polyethylene welding on CCC owned infrastructure or infrastructure to be vested in the Christchurch City Council to be performed by Approved PE Welders.

The Approved Welder shall:

- Be bound by this specification
- Carry out the works in accordance with the requirements of the CSS and the Plastic Industry Pipe Association of Australia (PIPA) POP001 Industry Guidelines for Electrofusion Jointing of PE Pipe and Fittings for Pressure Applications or POP003 Industry Guidelines for Butt Fusion Jointing of PE Pipes and Fittings – Recommended Parameters as referenced
- Support the Contractor in providing relevant as-built weld documentation
- Comply with the Contractor’s Health and Safety and Quality Plan
- Comply with all relevant statutes, regulations and by-laws

6. SUSPENSION OF REGISTRATION

6.1 *Suspension test welds*

If either of the two welds produced as required in CSS: Part 3 – Utility Drainage clause 14.4.3, 14.4.4 or CSS Part 4 – Water Supply clause 17.2.3 or 17.2.4 do not conform, an NCR will be produced and assessed by SCIRT PE Best Practice Working group.

If the failure is found to be due to the welder's actions, the welder's registration may be suspended, subject to review by the Best Practice Working group.

If the failure is due to other matters, the process set out in those clauses shall be followed and the welder shall produce another weld for testing.

6.2 *Suspension Revocation*

To apply for revocation of the suspension, written proof of six conforming welds that comply with the category of the application and that have been undertaken by the applicant within six months following the suspension shall be provided to SCIRT.

SCIRT may then reinstate the Approved Welder status for that category.

7. CANCELLATION OF REGISTRATION

If no action has been taken to resolve the cause of the suspension within three months of service of the suspension notice then SCIRT may cancel that Approved Welder's registration.

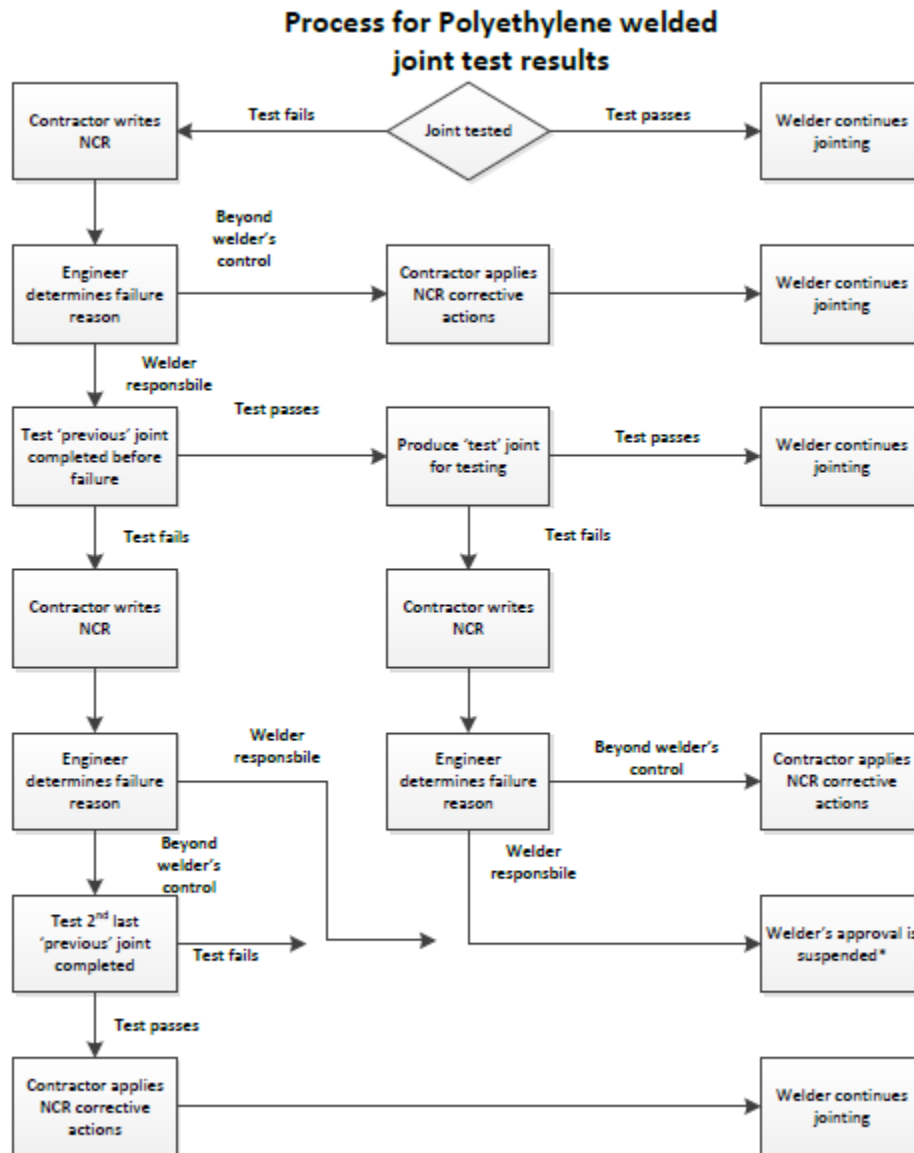
If registration is cancelled the welder must apply for re-approval in compliance with clause 4 – Application for Approval.

8. GENERAL

The Approved Welder's registration is personal and may not be assigned to another company or others.

No waiver of any breach, or failure to enforce any provision, of these conditions at any time by the SCIRT shall in any way limit or waive SCIRT's right to subsequently require strict compliance with these Conditions.

9. PROCESS FLOW CHART



* The welder's approval to work on this project under the Contract Quality Plan is revoked. An application for approval of an alternative welder, with the applicable qualifications and experience, should be made as an amendment to the Contract Quality Plan.