

National Certificate in Energy and Chemical Plant (Process Operation - Boiler Attendant) (Level 2)

Level 2

Credits 40

This qualification is **expiring**. The last date to meet the requirements is 31 December 2010.

Purpose

The holder of this qualification has the background knowledge and competence to operate and monitor equipment (between 1.2 megawatts to 6 megawatts) used in an energy and chemical environment in a safe manner. This qualification is designed to recognise the basic legal level of competency required for pressure plant between 1.2 megawatts and 6 megawatts in output. The competencies required for compliance are achieved by completing the compulsory section.

By completing the compulsory plus elective sections the holder can demonstrate a higher level of skill and knowledge, and in so doing will have progressed part way towards the National Certificate in Energy and Chemical Plant (Process Operation) (Level 2) with optional strands in Steam Generation, Ancillary Operations, Geothermal, Waste Treatment, and Co-generation [Ref: 0140].

Special Notes

This qualification will expire and not be replaced. The new National Certificate in Energy and Chemical Plant (Boiler Operation) (Level 2) [Ref: 1342] covers skills similar to those in the expiring qualification.

Credit Range

	Compulsory	Elective
Level 2 credits	21	0-26
Level 3 credits	-	0-7
Minimum totals	21	19

Requirements for Award of Qualification

This qualification will be awarded to people who have met the following requirements.

- Compulsory standards
- Elective – A minimum of 19 credits as specified

Award of NQF Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided in section 7 of the New Zealand Qualifications Authority (NZQA) *Rules and Procedures* publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Detailed Requirements**Compulsory**

The following standards are required

Manufacturing > Energy and Chemical Plant > Operation of Energy and Chemical Plant

Id	Title	Level	Credit
16295	Operate boiler house fire and safety systems	2	3
16297	Demonstrate knowledge of the basic principles of, and equipment used for, steam generation	2	6
16298	Demonstrate knowledge of the basic auxiliary equipment and systems used for steam generation	2	6
16299	Operate and monitor a 1.2 megawatts to 6 megawatts boiler and auxiliary plant	2	6

Elective

A minimum of 19 credits at Level 2 or above

Humanities > Communication Skills > Interpersonal Communications

Id	Title	Level	Credit
1277	Communicate information in a specified workplace	2	3

Manufacturing > Energy and Chemical Plant > Monitoring of Energy and Chemical Plant

Id	Title	Level	Credit
3057	Monitor customer requirements in an energy and chemical environment	3	2
3059	Monitor plant in an energy and chemical environment	2	3
3061	Maintain record management in an energy and chemical environment	2	2

Manufacturing > Energy and Chemical Plant > Operation of Energy and Chemical Plant

Id	Title	Level	Credit
3046	Operate fire safety equipment in an energy and chemical environment	3	5

Id	Title	Level	Credit
4557	Operate boiler feed water treatment systems (under 20Mw) in an energy and chemical environment	2	6
4559	Operate common valves in an energy and chemical environment	2	3
5868	Operate two way communication equipment in an energy and chemical environment	2	1

Manufacturing > Energy and Chemical Plant > Safety and Legislation for Energy and Chemical Plant

Id	Title	Level	Credit
3067	Operate personnel safety systems applying to hazardous areas in an energy and chemical environment	2	4
3068	Demonstrate knowledge of specified legislation in an energy and chemical environment	2	4

Transition Arrangements

Version 3 was issued to indicate that this qualification is expiring. The new National Certificate in Energy and Chemical Plant (Boiler Operation) (Level 2) [Ref: 1342] covers skills similar to those in the expiring qualification.

For detailed information see [Review Summaries](#) on the NZQA website.

Previous versions of the qualification

Version 2

This qualification was issued as version 2 in July 2002 to take into account the change of responsibility for the Energy and Chemical Plant unit standards and qualifications from the New Zealand Industry Training Organisation to the Gas and Petrochemical Industry Training Organisation. No changes were made to the structure and content of the qualification.

NQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	September 2000	December 2010
Revision	2	August 2002	December 2010
Review	3	December 2007	December 2010

Standard Setting Body

NZ Extractive Industries Training Organisation
PO Box 2623
CHRISTCHURCH

Telephone: 03 964 4710
Email: info@exito.org.nz

Other standard setting bodies whose standards are included in the qualification

NZQA

Certification

The certificate will display the logos of NZQA and the NZ Extractive Industries Training Organisation.

Classification

This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

NQF Classification		NZSCED	
Code	Description	Code	Description
282	Manufacturing > Energy and Chemical Plant	0303	Engineering and Related Technologies > Process and Resources Engineering

Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.