Assist to depurate and wet store shellfish

Level **3**

Credits **5**

Purpose This unit standard is for people working, or intending to work, under supervision in a facility used for depuration and wet storage of shellfish.

People credited with this unit standard are able to: prepare shellfish for depuration and wet storage; load shellfish into tanks; control water reticulation in operation of depuration and wet storage process unit; check incoming water quality; unload shellfish from tanks; and clean a depuration and wet storage shellfish plant.

Subfield Seafood

Domain Aquaculture

Status Registered

Status date 17 October 2008

Date version published 17 October 2008

Planned review date 31 December 2013

Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0123

This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes

1 Definition
Company requirements refer to instructions to staff on policy and procedures which are communicated in verbal or written form. These requirements may include but are not limited to – manufacturers' procedures, company safety procedures, legislative requirements, industry codes of practice and standards.

2 Safe working practices meet the obligations of the Health and Safety in Employment Act 1992 and its subsequent amendments. This includes practices such as the correct use and storage of tools, safe lifting, protection from the sun, correct use of protective clothing and equipment.

3 Regulatory requirements include but are not limited to – the Animal Products Act 1999.

Elements and performance criteria

Element 1

Prepare shellfish for depuration and wet storage.

Performance criteria

1.1 All dead, broken, or cracked shellfish are removed in accordance with regulatory requirements.

1.2 Shellfish are washed to meet company requirements.

1.3 Company throughput requirements are met.

Element 2

Load shellfish into tanks.

Performance criteria

2.1 Shellfish are placed in trays at a density to meet company requirements.

2.2 Trays are loaded in the tank to meet company requirements.

Range stacking techniques – spacers, plastic sheets, number of trays per layer, number of layers.

2.3 Company throughput requirements are met.

2.4 Records of batches meet company requirements.

2.5 Safe lifting techniques are used in accordance with company requirements.

Element 3

Control water reticulation in operation of depuration and wet storage process unit.

Performance criteria

3.1 Water pumps are operated to meet company requirements.

Range priming, supply of water.

3.2 Filling of depuration or wet storage process unit with water meets company requirements.

Range depth of water, time water is run to waste before filling, sterilisation of water.

3.3 Circulation of water in process unit meets company requirements.

Range maintenance of water levels, duration.

3.4 Water is drained from process unit in accordance with company requirements.

Element 4

Check incoming water quality.

Range temperature, salinity, dissolved oxygen, turbidity, pH.

Performance criteria

4.1 Methods used to measure water quality meet company requirements.

4.2 Water quality results are recorded to meet company requirements.

4.3 Water quality results outside acceptable ranges are identified and reported to management in accordance with company requirements.

Range company requirements – timeliness, method of reporting.

Element 5

Unload shellfish from tanks.

Range unloading includes – removal of trays from tanks, washing, culling.

Performance criteria

5.1 Trays are removed from the tanks in such a manner that contamination of shellfish is prevented.

5.2 Shellfish are washed and culled to meet company requirements.

Range culling – removing dead, broken, or cracked shellfish.

5.3 Different lots of shellfish are kept separate and identifiable throughout removal from trays, washing, and culling to meet company requirements.

5.4 Company throughput requirements are met.

Range unloading, washing, culling.

5.5 Safe work practices are used in accordance with company requirements.

Element 6

Clean a depuration and wet storage shellfish plant.

Range process units, trays, containers, racks, pipes, seawater storage tanks.

Performance criteria

6.1 Plant is washed to meet company requirements.

6.2 Plant is sanitised to meet company requirements.

Range dilution of sanitising chemicals, soaking time, coverage.

6.3 Plant is rinsed to meet company requirements.

Range rinsing time, rinsing method.

6.4 Safe work practices are used in accordance with company requirements.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.