



Australian Government

AMPREN303 Operate and monitor a low temperature wet rendering process

Release: 1

AMPREN303 Operate and monitor a low temperature wet rendering process

Modification History

Release	Comments
Release 1	This version released with AMP Australian Meat Processing Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to operate and monitor a low temperature wet rendering process, including loading raw material, operation, monitoring and shut down.

This unit applies to individuals who work in an industrial meat rendering plant under broad direction and who are responsible for operating and monitoring a low temperature wet rendering process. It includes safety compliance using Hazard Analysis and Critical Control Point (HACCP) techniques, process and product quality requirements, solving problems that arise and handover of the process to others.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, environmental and meat rendering regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Rendering (REN)

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Perform start up for	1.1 Confirm product specification and set cooker parameters

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low temperature wet rendering	1.2 Identify hazards, assess and control risks according to workplace health and safety procedures 1.3 Identify food safety hazards, assess and control risks according to HACCP principles 1.4 Select and fit personal protective equipment and contamination control clothing 1.5 Undertake preoperational checks of machinery and equipment according to workplace procedures and/or manufacturer requirement 1.6 Ensure raw material is cut to size prior to feed according to workplace procedures
2. Operate low temperature wet rendering equipment	2.1 Confirm temperature is correct for heating raw material according to product specifications 2.2 Separate solid particles from water and tallow 2.3 Sample and confirm solid materials are dried containing correct water ratio 2.4 Ensure equipment is cleaned and drained at the end of a production run according to workplace procedures
3. Monitor low temperature wet rendering process	3.1 Ensure flow of material is traced throughout operation 3.2 Monitor material and equipment for presence of metal according to workplace requirements 3.3 Check emissions from non-condensable gases and treat according to workplace procedures 3.4 Check equipment for maintenance requirements according to workplace procedures
4. Monitor environmental outputs	4.1 Monitor vapours according to regulatory requirements 4.2 Monitor emissions to scrubber, bio-filter and/or after burner according to regulatory requirements 4.3 Monitor waste water discharge according to workplace procedures 4.4 Action non-compliance according to workplace procedures
5. Handover production run to team member	5.1 Brief team member on production run activities 5.2 Advise team member of any arising issues 5.3 Hand over notes and observations recorded during production run to team member

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	- Interpret operating manuals for low temperature wet rendering equipment - Read and interpret gauges and scales
Writing	Complete records using industry terminology
Oral Communication	Use open and closed questions to clarify information
Numeracy	Estimate and measure volume (mls, L), time (Hrs, Mins), temperature (degrees Celsius) and pressure (psi)

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AMPREN303 Operate and monitor a low temperature wet rendering process	AMPA3085 Operate wet rendering process	New unit sector Unit code and title updated to better reflect work task Updated Elements and Performance Criteria Added Foundation Skills Revised Performance Evidence and Knowledge Evidence	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5e2e56b7-698f-4822-84bb-25adbb8443a7>