Modification history

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| Release | Comments |
| Release 1 | This version released with FBP Food, Beverage and Pharmaceuticals Training Package version 2.0. |

| FBPCEL3XXX | Operate an earth filtration process |
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| Application | This unit of competency describes the skills and knowledge required to prepare for and operate an earth filtration process using a range of filter media.  The unit applies to individuals who work in a wine operations cellar environment and take responsibility for their own work using discretion and judgement in the selection and use of available resources.  All work must be carried out to comply with workplace procedures, in accordance with state/territory work health and safety, food safety regulations, legislation and standards that apply to the workplace.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Cellar Operations (CEL) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare the earth filtration process for operation | 1.1 Identify job requirements  1.2 Confirm availability of required materials and services to meet production requirements  1.3 Confirm environmental guidelines and identify potential workplace health and safety hazards and controls according to workplace procedures  1.4 Select and fit personal protective equipment relevant to the job requirements  1.5 Prepare materials to meet production requirements  1.6 Check equipment to confirm readiness for use according to workplace procedures  1.7 Set the earth filtration process to meet production requirements |
| 2. Operate and monitor the earth filtration process | 2.1 Start up the earth filtration process according to workplace procedures  2.2 Monitor process to confirm earth filtration meets specifications  2.3 Identify and address non-conformance of product, process and equipment according to workplace procedures |
| 3. Shut down the earth filtration process | 3.1 Identify and implement appropriate shutdown procedures  3.2 Dismantle equipment safely and prepare for cleaning  3.3 Collect, treat and dispose of or recycle waste generated by both the earth filtration process and cleaning procedures  3.4 Record workplace information according to workplace procedures and format |

| 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. | |
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| Skill | Description |
| Reading | * Comprehend instructions in workplace documents |
| Writing | * Complete workplace documents in required format |
| Numeracy | * Perform calculations relating to measurements, quantities and operational specifications * Interpret symbols and numbers during monitoring of process |
| Navigate the world of work | * Apply workplace procedures and legislative responsibilities to own role |
| Interact with others | * Use required communication mode to report operational information to relevant personnel |
| Get the work done | * Plan, sequence and implement tasks according to set routines and procedures * Problem solve issues as they arise |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPCEL3XXX Operate an earth filtration process | FDFCEL2013A Operate the pressure leaf filtration process | Updated to meet Standards for Training Packages  Minor changes to elements and performance criteria for clarity  Change of title to reflect current Industry terminology  Removal of prerequisite as no longer required by industry  Unit code updated to AQF 3 to reflect complexity of competency | Equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4 |

| TITLE | Assessment requirements for FBPCEL3XXX Operate an earth filtration process |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.  There must be evidence that the individual has demonstrated at least one earth filtration process, including:   * accessing workplace information to identify earth filtration processing requirements * selecting and fitting appropriate personal protective equipment * checking supply and status of materials before commencing earth filtration operation * preparing and confirming status of equipment and services before commencing earth filtration process * setting up and starting the earth filtration process * monitoring the earth filtration process * taking corrective action in response to non-conformance results * shutting down the process after earth filtration operations are completed * conducting work according to environmental and workplace health and safety requirements. | |

| Knowledge Evidence |
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| An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:   * purpose of the earth filtration process and the links between earth filtration and other processes used in wine operations * use of filter media: * diatomite * perlite * cellulose * polyethylene * materials used in the earth filtration process including: * preparation requirements and effect of variation on the earth filtration process * main earth filtration techniques and how these techniques can affect the characteristics of the wine * methods used to monitor the process * common causes of non-conformance results for product, process and equipment and corrective action required including: * issues that can be rectified * issues that must be reported * responsibilities for workplace health and safety including: * workplace health and safety hazards associated with the earth filtration process * methods for controlling risks associate with work health and safety hazards * responsibilities for identifying and controlling environmental issues * workplace procedures and responsibility for: * reporting problems * shutting down the process * cleaning * handling waste * recording required information. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * a wine operations workplace or an environment that accurately represents workplace conditions * resources, equipment and materials: * personal protective equipment for earth filtration operations * equipment and materials for earth filtration process * products for earth filtration process * system for recording and reporting information * specifications: * workplace procedures for earth filtration operations.   Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

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