

**Modification history**

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 5.0.
Release 1	Initial release

AHCSOL403	Prepare acid sulphate soil management plans
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to prepare acid sulphate soil management plans that address the relevant standards, legislation, guidelines and issues associated with land and ground water disturbing activities for acid sulphate soil (ASS).</p> <p>The unit applies to individuals who apply specialist skills and knowledge to preparing ASS management plans. This includes applying and communicating non-routine technical solutions to predictable and unpredictable problems.</p> <p>All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Soils and media [SOL]

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Conduct assessment of the disturbing activity for ASS risk	1.1 Establish and document current or proposed land use following discussions with landholder and relevant consent authority 1.2 Assess site data according to industry guidelines and relevant consent authority standards 1.3 Determine compliance issues according to relevant consent authority standards, environmental legislation and industry guidelines 1.4 Discuss site investigations with landholder and establish agreement to develop an ASS management plan
2. Develop ASS remediation or management strategy	2.1 Review field investigation and laboratory test data and match to strategy options consistent with industry guidelines and relevant consent authority standards 2.2 Identify ASS management options consistent with industry guidelines and relevant consent authority requirements 2.3 Identify and document remediation or management strategies in consultation with the landholder and relevant consent authority
3. Prepare an ASS site management plan	3.1 Check remediation or management strategies against industry guidelines and relevant consent authority standards 3.2 Incorporate design specifications for structures in management plan details 3.3 Detail monitoring strategies for the site in line with prevailing site factors and relevant consent authority standards 3.4 List on site responsibilities following industry guidelines and relevant consent authority standards 3.5 Ensure contingency procedures in accordance with industry guidelines and relevant consent authority standards

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret textual information from a range of sources to identify relevant and key information on relevant consent authority standards, environmental legislation and industry guidelines for ASS management</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Developed an ASS remediation or management strategy</li> <li>Prepared an ASS site management plan</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Initiate discussions with landholder and relevant consent authority, using clear language to discuss and communicate ASS management plan</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCSOL403 Prepare acid sulphate soil management plans Release 2	AHCSOL403 Prepare acid sulphate soil management plans Release 1	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

<b>Links</b>
Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>

<b>TITLE</b>	<b>Assessment requirements for AHCSOL403 Prepare acid sulphate soil management plans</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has prepared an acid sulphate soil (ASS) management plan on at least one occasion and has:</p> <ul style="list-style-type: none"> <li>• applied relevant consent authority standards, environmental legislation and industry guidelines applicable to ASS management</li> <li>• collected and used field and test data to identify strategies to remediate and manage the site</li> <li>• completed a desktop assessment of the land for actual and potential ASS risk based on current and proposed land use, site data and compliance issues</li> <li>• documented an ASS management plan and effectively communicated it to the landowner, relevant consent authority and contractors</li> <li>• supported implementation of ASS management plan by reporting on materials management and remediation and site rehabilitation.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• relevant consent authority standards, environmental legislation and industry guidelines applicable to ASS management</li> <li>• principles and practices for preparing ASS management plans, including: <ul style="list-style-type: none"> <li>• ASS assessment tools</li> <li>• earthmoving principles</li> <li>• environmental impact issues</li> <li>• environmental impacts of ASS</li> <li>• environmental plans, strategies and options for management and remediation</li> <li>• managing acid leachate water flows</li> <li>• planning process for remediation and management plans</li> <li>• principles of duty of care and due diligence</li> <li>• relevant environmental, planning and groundwater legislation</li> <li>• soils and soil chemistry</li> <li>• subsurface and surface drainage principles and systems</li> <li>• total catchment issues.</li> </ul> </li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• a workplace setting or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• site data relevant to preparing ASS management plans</li> <li>• principles and practices for preparing ASS management plans</li> </ul> </li> <li>• specifications: <ul style="list-style-type: none"> <li>• relevant consent authority standards, environmental legislation and industry guidelines applicable to ASS management</li> </ul> </li> <li>• relationships: <ul style="list-style-type: none"> <li>• landholder, relevant consent authority</li> </ul> </li> <li>• timeframes: <ul style="list-style-type: none"> <li>• according to job requirements.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	<p>Companion Volumes, including Implementation Guides, are available at VETNet:  <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a></p>

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