



***EPBC 2011/5952***  
***Annual Compliance Report***

**Angus Place Mine**

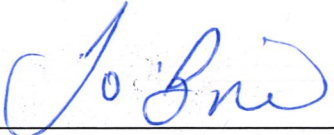
**July 2018**

**Period covering 18 April 2017 to 18 April 2018**

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**Declaration of accuracy**

In making this declaration, I am aware that sections 490 and 491 of the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

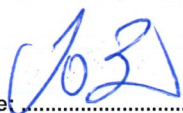
Signed 

Full name (please print) TERRENCE J. O'BRIEN

Position (please print) MINE MANAGER

Organisation (please print including ABN/ACN if applicable)  
CENTENNIAL ANGUS PLACE ABN 87-101-508-945

Date 11 / 07 / 18

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Date	Revision Status	Distribution
05 July 2018	DRAFT	Terry O'Brien, Paul Williams
11 July 2018	FINAL	DEE, Terry O'Brien, Paul Williams, Centennial Website

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## 1. INTRODUCTION

Angus Place Colliery (Angus Place) is an underground coal mining operation located within the Western Coalfield of NSW, approximately 15km northwest of Lithgow. Angus Place utilise the longwall retreat method of mining to extract coal from the Lithgow Seam, within Mining Lease (ML) 1424, ML 1326 and Consolidated Coal Lease (CCL) 704.

On 17 April 2012 approval of EPBC 2011/5952 was granted to allow longwall mining of Angus Place Longwalls 910 and 900W. Longwalls 900W and 910 do not mine directly under any Temperate Highland Peat Shrub Swamp (THPSS) although Longwall 910 does mine adjacent to Narrow Swamp which has previously been undermined. There is no THPSS above or within the angle of draw for Longwall 900W.

First workings with continuous miners commenced on 18 April 2012 in Longwalls 900W and 910. As per Condition 19 of the approval, notification of the commencement of the action was provided to the Minister on 18 April 2012. Longwall 900W commenced secondary extraction on 30 April 2014 and completed extraction on 15 February 2015.

In response to the prolonged downturn in international coal markets, a decision was made by Centennial Coal to commence 'care and maintenance' at Angus Place following the completion of secondary extraction within Longwall 900W. Consequently, secondary extraction of Longwall 910 has not commenced. The mine was placed on care and maintenance on 28 March 2015. While on 'care and maintenance', Angus Place will continue to meet safety and environmental regulations and the site will be appropriately maintained to enable a reopening when the Springvale reserves have been extracted or if market conditions improve.

EPBC 2011/5952 Condition 21 requires that "Within three months of every 12 month anniversary of the commencement the person taking the action must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans, report, strategy etc. as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the department at the same time as the compliance report is published. The person taking the action must also notify any non-compliance with this approval to the department in writing within two days of becoming aware of the non-compliance".

This report has been prepared to address the requirements of Condition 21 and covers the current reporting period 18 April 2017 to 18 April 2018.

## 2. DESCRIPTION OF ACTIVITIES

<b>EPBC Number</b>	EPBC 2011 / 5952
<b>Project Name</b>	Angus Place Mine
<b>Approval Holder</b>	Centennial Angus Place Pty Ltd ACN 101 508 945
<b>Approved Action</b>	Coal extraction using longwall mining techniques of longwall panels 910 and 900 W at the existing Angus Place Colliery.
<b>Location of the Project</b>	Angus Place Mine, approximately 15km north-east of Lithgow.
<b>Document Owner</b>	Terry O'Brien
<b>Reporting Period</b>	18 April 2017 to 18 April 2018
<b>Date of Report</b>	11 July 2018



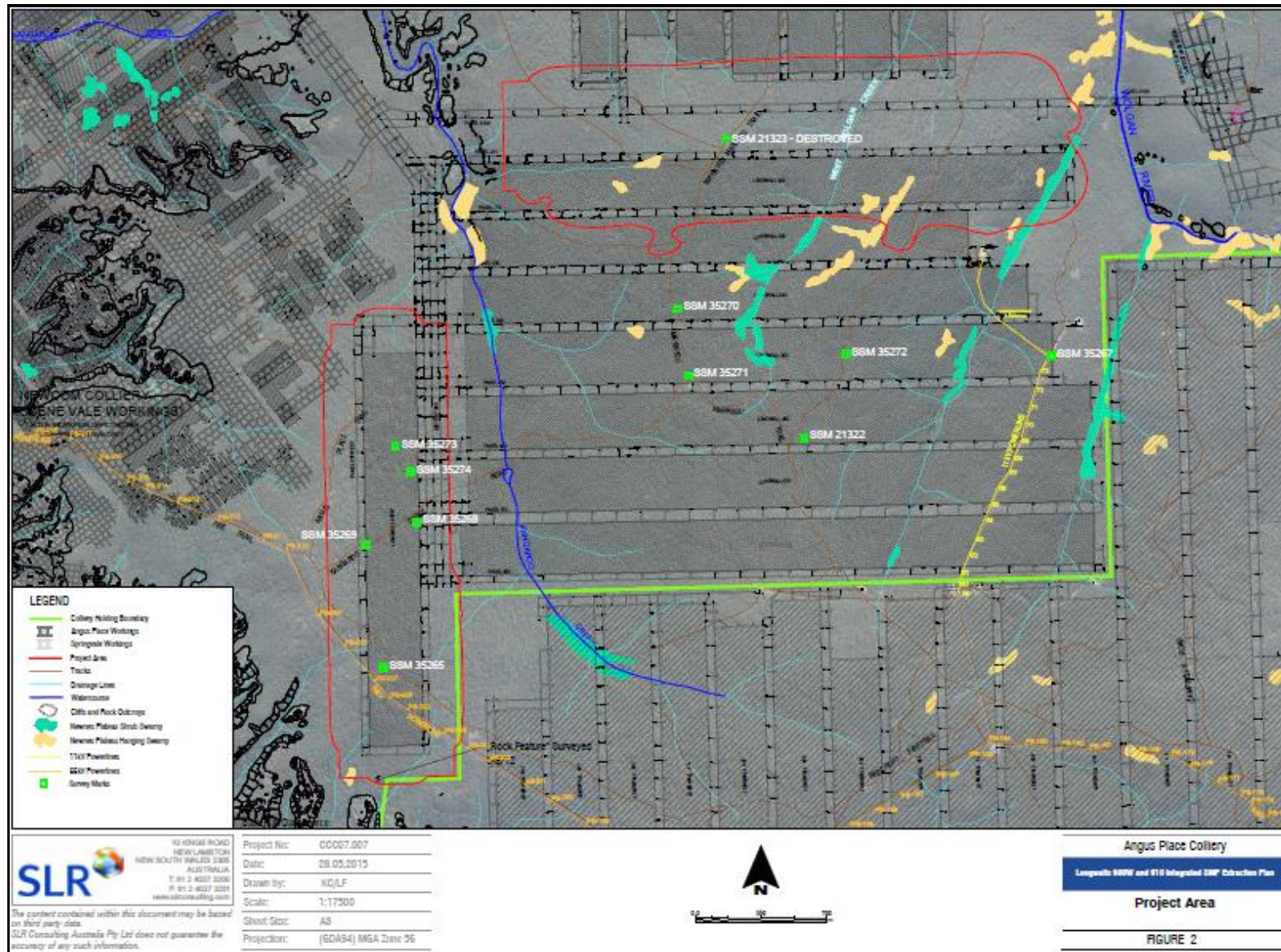


Figure 1. Longwalls 900W and 910 Project Area

### 3. DETAILS OF COMPLIANCE WITH APPROVAL CONDITIONS

Condition Number / Reference	Condition	Project Compliance Status (Compliant, Non-compliant, or Not Applicable)	Evidence / Comments
1	The person taking the action must monitor subsidence resulting from the proposed longwall mining in accordance with the Angus Place Colliery Subsidence Management Plan: Proposed Subsidence Monitoring and Reporting Program LW900W, 910 to monitor subsidence effects on the endangered temperate highland peat swamps on sandstone ecological community.	Compliant	<p>Longwall 900W completed extraction on 15 February 2015. Secondary extraction of Longwall 910 has not commenced.</p> <p>Subsidence monitoring was conducted in accordance with the Subsidence Management Plan. The frequency of monitoring required along subsidence survey lines is prior and post extraction within Longwalls 900W (Lines H and I) and 910 (Line B).</p>
2	<p>"If anomalous subsidence is detected within 200 metres of an area of temperate highland peat swamps on sandstone ecological community using the method defined in condition 1, the person taking the action must submit to the department a report detailing:</p> <ul style="list-style-type: none"> <li>a) the extent and level of subsidence recorded</li> <li>b) likely reasons for the anomalous subsidence</li> <li>c) potential impacts on the temperate highland peat swamps on sandstone ecological community resulting from the anomalous subsidence.</li> </ul>	Not Applicable	<p>There has been no anomalous subsidence detected within 200m of any areas of Temperate Highland Peat Swamps on Sandstone Ecological Communities.</p> <p>No reporting under Condition 2 of the EPBC 2011/5952 approval has been required.</p>

Condition Number / Reference	Condition	Project Compliance Status (Compliant, Non-compliant, or Not Applicable)	Evidence / Comments
3	The report in condition 2 must be submitted to the department within 10 business days of detecting the anomalous subsidence.	Not Applicable	No reporting under Condition 2 of the EPBC 2011/5952 approval has been required.
4	Within six months of the date of this approval, the person taking the action must submit a Temperate Highland Peat Swamps on Sandstone Monitoring and Management Plan ('Monitoring and Management Plan') for the ministers approval, to define clear, quantifiable and measurable criteria for monitoring the impact of longwall mining on temperate highland peat swamps on sandstone.	Complaint	<p>EPBC2011/5952 was approved by the Department on 17 April 2012</p> <p>The THPSS MMP was submitted to the department for approval on 9 October 2012, within the six months submission requirement.</p>
5	<p>The Monitoring and Management Plan must include prevention, monitoring, mitigation and management actions for all impacts on the temperate highland peat swamps on sandstone ecological community arising from the action. The Monitoring and Management Plan must be a stand-alone document and include but not be limited to:</p> <ul style="list-style-type: none"> <li>a) monitoring must take into account the geological and hydrological context in which the swamps sit, ie. Monitoring must include methods to detect potential geological and hydrological impacts upstream of temperate highland peat swamps on sandstone</li> <li>b) monitoring must focus on surface and groundwater hydrology (including at least one piezometer per swamp), surface and groundwater quality, vegetation community structure and diversity, and biological indicator species</li> <li>c) monitoring must include at least one sample per season (four samples per year) at each sampling</li> </ul>	Compliant	<p>The THPSS MMP submitted included prevention, monitoring, mitigation and management actions for all potential impacts.</p> <p>Section 2, Table 2.1 – <i>EPBC Act Approval Conditions addressed within this THPSS MMP</i> within the THPSS MMP outlines where each relevant sub point of Condition 5 is addressed within the document.</p> <p>The THPSS MMP was submitted to the Department on 17 July 2017.</p>

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	<p>location for each parameter measured, though more frequent sampling may be required for some parameters</p> <p>d) monitoring post-mining must continue for a period of at least 10 years. Monitoring frequency may be reduced once three years of post-mining swamp monitoring has been undertaken if swamp condition has not degraded as a result of mining activity</p> <p>e) monitoring must include all temperate highland peat swamps on sandstone (including but not limited to both Newnes Plateau Shrub Swamps and Newnes Plateau Hanging Swamps) potentially affected by the proposed action (impact sites) as well as reference sites. Reference sites must include temperate highland peat swamps on sandstone that have never been subjected to, or are not predicted to be impacted by, subsidence impacts</p> <p>f) details of the parameters monitored, methods, timing, frequency and location of baseline monitoring within the temperate highland peat swamps on sandstone ecological community</p> <p>g) definition and description of baseline conditions of individual temperate highland peat swamps on sandstone (including both impact and reference sites), including biological processes, biological assemblages, condition, threats and the range of natural variability observed in parameters monitored</p> <p>h) trigger levels sufficient to detect unexpected impacts of subsidence on the temperate highland peat swamps on sandstone ecological community, including information on how triggers were derived using baseline monitoring and desktop study data. Triggers should be specific and measureable</p>		



Condition Number / Reference	Condition	Project Compliance Status (Compliant, Non-compliant, or Not Applicable)	Evidence / Comments
	<ul style="list-style-type: none"> <li>i) details of the parameters monitored, methods, timing, frequency and location of reference site monitoring within the temperate highland peat swamps on sandstone ecological community</li> <li>j) allowance and methods for trigger levels to be refined as more monitoring data is collected</li> <li>k) details of the parameters monitored, methods, timing, frequency and location of impact monitoring within the temperate highland peat swamps on sandstone ecological community, sufficient to detect changes in the defined trigger levels</li> <li>l) corrective actions to be taken should the defined trigger levels (as at condition 5h) be exceeded. These should be clear, measurable, auditable and include specific timing (eg. Within 6 months of impact detection). Implementation of a Response Strategy (as required in condition 11) should be included as a corrective action should severe impacts be detected.</li> <li>m) Details of how data collected by the proposed monitoring methods will be analysed. This must include a method to analyse data sets in an holistic manner to produce an overall indication of swamp health</li> <li>n) Description of how potential impacts arising from the monitoring and mitigation measures themselves will be minimised or avoided</li> <li>o) Maps illustrating the location of the longwall activity, past mining activities, expected subsidence limits, location of temperate highland peat swamps on sandstone in the vicinity of the longwall mining activity, and past and proposed monitoring locations for all parameters</li> <li>p) Description of record keeping and reporting procedures</li> <li>q) The plan must clearly state the person responsible,</li> </ul>		

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	<p>including their position or status</p> <p>r) The plan must include a timeline for review, and provision for revisions to be approved by the department prior to their implementation</p>		
6	The Monitoring and Management Plan must be reviewed by two independent reviewers approved by the department prior to the submission to the department for approval.	Compliant	<p>The department approved the two independent reviewers, Dr David Goldney and Dr Grant Hose, on 17 June 2012.</p> <p>Dr Goldney provided a critique of the Monitoring and Management Plan on 14 July 2012, and Dr Hose provided a critique on 25 October 2012.</p> <p>The THPSS MMP was submitted to the department for approval on 9 October 2012.</p>
7	If the minister approves the Monitoring and Management Plan then the approved Monitoring and Management Plan must be implemented.	Not Applicable	The THPSS MMP has not yet been approved by the minister.
8	A report detailing the results of actions carried out under the Monitoring and Management Plan must be prepared and provided to the department annually on the anniversary of the date of this approval. The minister may request that the report be reviewed by an independent reviewers approved by the department.	Not Applicable	The THPSS MMP has not yet been approved by the minister.

Condition Number / Reference	Condition	Project Compliance Status (Compliant, Non-compliant, or Not Applicable)	Evidence / Comments
9	<p>The person taking the action must, when first becoming aware of an impact to temperate highland peat swamps on sandstone:</p> <ul style="list-style-type: none"> <li>a) when the impact is a defined trigger level (as defined in condition 5h) being exceeded, report the impact to the department within five business days</li> <li>b) when the impact is a defined trigger level (as defined in condition 5h) being exceeded, report the implementation of the corrective action (as defined at condition 5l) to the department within such time as is reasonable in the circumstances, unless required report outcomes within a time frame specified in writing by the department</li> <li>c) when exceedance of a trigger level is not detected, but an impact is apparent, report the impact to the department within 20 business days with details of proposed corrective actions</li> <li>d) in all of the above cases (conditions 9a to 9c inclusive), include the results of monitoring data relating to the impact and an explanation of the expected cause of the impact in the report to the department</li> </ul>	Not Applicable	The THPSS MMP has not yet been approved by the minister.
10	<p>If at any time the minister determines that data provided in the report at condition 8 or 9 indicates that the action has had a severe impact on the temperate highland peat swamps on sandstone ecological community and/or any associated threatened species, the minister will inform the person taking the action in writing ('the severe impact notification letter'), particularising all severe impacts. Once the person taking the action receives the severe impact notification letter, conditions 11 to 16 (inclusive) will apply.</p>	Not Applicable	The requirement to submit an annual report detailing the results of actions under the Monitoring and Management Plan has not yet been triggered.

Condition Number / Reference	Condition	Project Compliance Status (Compliant, Non-compliant, or Not Applicable)	Evidence / Comments
11	When the person taking the action receives an severe impact notification letter, the person taking the action must prepare and submit a Temperate Highland Peat Swamps on Sandstone Response Strategy (the 'Response Strategy') for the minister's approval within three months of the date of the letter.	Not Applicable	No severe impact notification letter has been received.
12	<p>The Response Strategy must include measures for remediating or offsetting all severe impacts particularised by the minister on the temperate highland peat swamps on sandstone ecological community arising from the action. The Response Strategy must be a stand-alone document and include but not be limited to:</p> <ul style="list-style-type: none"> <li>a) a description of the severe impact including extent, duration, and expected cause. This should include a description of how the impact may affect temperate highland peat swamps on sandstone</li> <li>b) the objectives of the Response Strategy</li> <li>c) the proposed response actions to be taken and how the proposed actions will be implemented</li> <li>d) a description of how the strategy will deliver an overall conservation outcome that improves or maintains the viability of temperate highland peat swamps on sandstone and associated threatened species</li> <li>e) the estimated cost of all proposed response actions</li> <li>f) the strategy must clearly state the person responsible for implementing remediation actions, including their position or status and contact details</li> <li>g) description of record keeping and reporting procedures</li> </ul>	Not Applicable	No severe impact notification letter has been received.



Condition Number / Reference	Condition	Project Compliance Status (Compliant, Non-compliant, or Not Applicable)	Evidence / Comments
13	The Response Strategy must be reviewed by two independent reviewers approved by the department prior to the submission to the department.	Not Applicable	No severe impact notification letter has been received.
14	If the minister approves the Response Strategy then the approved Response Strategy must be implemented.	Not Applicable	No severe impact notification letter has been received.
15	A report detailing the results of actions carried out under the Response Strategy must be prepared and provided to the department at a time agreed to in writing by the department upon receiving the Response Strategy. The report must be reviewed by an independent reviewer within a timeframe determined in agreement with the department prior to being provided to the department.	Not Applicable	No report detailing the results of actions carried out under the Response Strategy has been required.
16	The person taking the action must, if required in writing by the minister, stop all work associated with the proposed action within sixty days of the date of the letter referred to in condition 10. Work may be resumed if indicated in writing by the minister.	Not Applicable	No directive to stop work has been issued by the minister.
17	The person taking the action must meet all the charges and costs associated with independent review of documents required under these conditions.	Compliant	Centennial Coal has met all costs related to independent review of documentation required under these conditions.
18	The person taking the action must publish all documents required under these conditions on their website, except where agreed in writing with the department on grounds of potentially sensitive	Compliant	The conditions of approval and this Annual Compliance report as per condition 21

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	commercial information.		have been published on the Centennial Coal Website.
19	Within 30 days after the commencement of the action, the person taking the action must advise the department in writing of the actual date of commencement.	Compliant	The action commenced on 18 April 2012 and advice was provided to the department in writing of commencement of the action on 18 April 2012.
20	The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the management plans, report, strategy, etc. required by this approval, and make them available upon request to the department. Such records may be subject to audit by the department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the department's website. The results of audits may also be publicised through the general media.	Compliant	Records of activities related to the conditions of approval have been kept.
21	Within three months of every 12 month anniversary of the commencement the person taking the action must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans, report, strategy etc. as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the department at the same time as the compliance	Compliant	The Annual Compliance Report for the 18 April 2016 to 18 April 2017 period was published on the Centennial Coal website on 14 July 2017, within three months of the 12 month anniversary of the commencement.

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	report is published. The person taking the action must also notify any non-compliance with this approval to the department in writing within two business days of becoming aware of the non-compliance.		
22	Upon the direction of the minister, the person taking the action must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the minister. The independent auditor must be approved by the minister prior to the commencement of the audit. Audit criteria must be agreed to by the minister and the audit report must address the criteria to the satisfaction of the minister.	Not Applicable	No independent audit of compliance with the conditions of the approval has been directed by the minister.
23	If the person taking the action wishes to carry out any activity otherwise than in accordance with the management plans, report, strategy etc. as specified in the conditions, the person taking the action must submit to the department for the minister's written approval a revised version of that management plan, report, strategy etc. The varied activity shall not commence until the minister has approved the varied management plan, report, strategy etc. in writing. The minister will not approve a varied management plan, report, strategy etc. unless the revised management plan, report, strategy etc. would result in an equivalent or improved environmental outcome over time. If the minister approves the revised management plan, report, strategy etc. that management plan, report, strategy etc. must be implemented in place of the management plan, report, strategy etc. originally approved.	Not Applicable	Activities have been conducted in accordance with the approval.
24	If the minister believes that it is necessary or convenient for the better protection of threatened species and communities to do so, the minister may request that the person taking the action make	Not Applicable	The have been no ministerial requests for revisions to reports, management plans

Condition Number / Reference	Condition	Project Compliance Status (Compliant, Non-compliant, or Not Applicable)	Evidence / Comments
	specified revisions to the management plan, report, strategy etc. specified in the conditions and submit the revised management plan, report, strategy etc. for the ministers written approval. The person taking the action must comply with any such request. The revised approved management plan, report, strategy etc. must be implemented, Unless the minister has approved the revised management plan, report, strategy etc. then the person taking the action must continue to implement the management plan, report, strategy etc. originally approved, as specified in the conditions.		and strategies.
25	If at any time after two years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence the action without the written agreement of the minister.	Compliant	Action commenced immediately after the issue of the approval.
26	Unless otherwise agreed to in writing by the minister, the person taking the action must publish all management plans, report, strategy etc. referred to in these conditions of approval on their website. Each management plan, report, strategy etc. must be published on the website within one month of being approved.	Compliant	There have been no documents approved that were required to be published on the Centennial Coal website.  The Annual Compliance Reports have been published on the Centennial Coal website.

## 4. NOTIFICATIONS

Notification was provided to the Department on 23<sup>rd</sup> January 2018 following identification of potential environmental impact at Kangaroo Creek North Swamp. The impacts observed may have been caused by a subsidence event associated with historical mining operations. The area identified is located near the finish ends of LWs 920 and 930 and within the vicinity of LWs 900W and 910.

An Investigative Report was subsequently provided to the Department on 19<sup>th</sup> February 2018.

The Report detailed environmental monitoring results carried out in the area, inspection observations, initial conclusions and further investigations scheduled to be undertaken.

Initial observations indicated impacts to flora may be related to changes in hydrology and / or the effects of bushfire within the area of the Kangaroo Creek North Swamps.

Subsidence monitoring data had not indicated any anomalous data, therefore Conditions 2 and 3 of EPBC 2011/5952 had not been triggered.

Centennial Angus Place has sought regulator consultation on the matter and further information and investigation outcomes will be provided to the Department.



**Centennial Coal**