

METROPOLITAN COAL LONGWALLS 301-303

EXTRACTION PLAN



ATTACHMENT 1 STATUTORY REQUIREMENTS

Attachment 1
Statutory Requirements

This Attachment outlines relevant statutory requirements within Project Approval (08_0149) and provides the relevant section of the Extraction Plan where the requirements are addressed.

Metropolitan Coal Longwalls 301-303 Extraction Plan		
Revision No. EP-R01-A		Page A1-1
Document ID: Longwalls 301-303 Extraction Plan Attachment 1		

**Table A1-1
Project Approval (08_0149) Requirements**

Condition Number (Schedule 3)	Condition	Document Reference/Comment																		
Performance Measures																				
1.	<p>The Proponent shall ensure that the project does not cause any exceedances of the performance measures in Table 1.</p> <p><i>Table 1: Subsidence Impact Performance Measures</i></p> <table border="1" data-bbox="389 564 1471 1251"> <thead> <tr> <th colspan="2" data-bbox="389 564 1471 608">Water Resources</th> </tr> </thead> <tbody> <tr> <td data-bbox="389 608 813 715">Catchment yield to the Woronora Reservoir</td> <td data-bbox="813 608 1471 715">Negligible reduction to the quality or quantity of water resources reaching the Woronora Reservoir No connective cracking between the surface and the mine</td> </tr> <tr> <td data-bbox="389 715 813 821">Woronora Reservoir</td> <td data-bbox="813 715 1471 821">Negligible leakage from the Woronora Reservoir Negligible reduction in the water quality of Woronora Reservoir</td> </tr> <tr> <th colspan="2" data-bbox="389 821 1471 865">Watercourses</th> </tr> <tr> <td data-bbox="389 865 813 987">Waratah Rivulet between the full supply level of the Woronora Reservoir and the maingate of Longwall 23 (upstream of Pool P)</td> <td data-bbox="813 865 1471 987">Negligible environmental consequences (that is, no diversion of flows, no change in the natural drainage behaviour of pools, minimal iron staining, and minimal gas releases)</td> </tr> <tr> <td data-bbox="389 987 813 1110">Eastern Tributary between the full supply level of the Woronora Reservoir and the maingate of Longwall 26</td> <td data-bbox="813 987 1471 1110">Negligible environmental consequences over at least 70% of the stream length (that is no diversion of flows, no change in the natural drainage behaviour of pools, minimal iron staining and minimal gas releases)</td> </tr> <tr> <th colspan="2" data-bbox="389 1110 1471 1153">Biodiversity</th> </tr> <tr> <td data-bbox="389 1153 813 1219">Threatened species, populations, or ecological communities</td> <td data-bbox="813 1153 1471 1219">Negligible impact</td> </tr> <tr> <td data-bbox="389 1219 813 1251">Swamps 76, 77 and 92</td> <td data-bbox="813 1219 1471 1251">Set through condition 4 below¹</td> </tr> </tbody> </table>	Water Resources		Catchment yield to the Woronora Reservoir	Negligible reduction to the quality or quantity of water resources reaching the Woronora Reservoir No connective cracking between the surface and the mine	Woronora Reservoir	Negligible leakage from the Woronora Reservoir Negligible reduction in the water quality of Woronora Reservoir	Watercourses		Waratah Rivulet between the full supply level of the Woronora Reservoir and the maingate of Longwall 23 (upstream of Pool P)	Negligible environmental consequences (that is, no diversion of flows, no change in the natural drainage behaviour of pools, minimal iron staining, and minimal gas releases)	Eastern Tributary between the full supply level of the Woronora Reservoir and the maingate of Longwall 26	Negligible environmental consequences over at least 70% of the stream length (that is no diversion of flows, no change in the natural drainage behaviour of pools, minimal iron staining and minimal gas releases)	Biodiversity		Threatened species, populations, or ecological communities	Negligible impact	Swamps 76, 77 and 92	Set through condition 4 below ¹	<p>Section 3.1 and Appendix A (Water Management Plan)</p> <p>Section 3.1 and Appendix A (Water Management Plan)</p> <p>Section 3.3 and Appendix C (Biodiversity Management Plan)</p>
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Table A1-1 (Continued)
Project Approval (08_0149) Requirements

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Table A1-1 (Continued)
Project Approval (08_0149) Requirements

Condition Number (Schedule 3)	Condition	Document Reference/Comment
Extraction Plan		
6.	<p>The Proponent shall prepare and implement an Extraction Plan for all second workings in the mining area to the satisfaction of the Director-General. The plan must:</p> <ul style="list-style-type: none"> (a) be prepared by a team of suitably qualified and experienced experts whose appointment has been endorsed by the Director-General; (b) be approved by the Director-General before the Proponent is allowed to carry out the second workings covered by the Extraction Plan; (c) include a detailed plan for the second workings, which has been prepared to the satisfaction of DRE, and provides for adaptive management (from Longwall 23 onwards); (d) include detailed plans of any associated surface construction works; (e) include the following to the satisfaction of DRE: <ul style="list-style-type: none"> • a coal resource recovery plan that demonstrates effective recovery of the available resource; • revised predictions of the conventional and non-conventional subsidence effects and subsidence impacts of the extraction plan, incorporating any relevant information that has been obtained since this approval; and • a Subsidence Monitoring Program to: <ul style="list-style-type: none"> – validate the subsidence predictions; and – analyse the relationship between the subsidence effects and subsidence impacts of the Extraction Plan and any ensuing environmental consequences: 	<p>Section 1.1 and Attachment 2</p> <p>This Application</p> <p>Section 1.3 and Appendix H (Coal Resource Recovery Plan)</p> <p>Section 1.3 and Appendix H (Coal Resource Recovery Plan)</p> <p>Appendix H (Coal Resource Recovery Plan)</p> <p>Appendix I (Subsidence Report)</p> <p>Section 3.7 and Appendix G (Subsidence Monitoring Program)</p>

Table A1-1 (Continued)
Project Approval (08_0149) Requirements

Condition Number (Schedule 3)	Condition	Document Reference/Comment
6 (cont.).	(f) include a; <ul style="list-style-type: none"> • Water Management Plan, which has been prepared in consultation with OEH, SCA and NOW, to manage the environmental consequences of the Extraction Plan on watercourses (including the Woronora Reservoir), aquifers and catchment yield; • Biodiversity Management Plan, which has been prepared in consultation with OEH and DPI (Fisheries), to manage the potential environmental consequences of the Extraction Plan on aquatic and terrestrial flora and fauna, with a specific focus on swamps; • Land Management Plan, which has been prepared in consultation with SCA, to manage the potential environmental consequences of the Extraction Plan on cliffs, overhangs, steep slopes and land in general; • Heritage Management Plan, which has been prepared in consultation with the OEH and the relevant Aboriginal groups, to manage the potential environmental consequences of the Extraction Plan on heritage sites or values; • Built Features Management Plan, which has been prepared in consultation with the owner of the relevant feature, to manage the potential environmental consequences of the Extraction Plan on any built features; and 	<p>Section 3.1 and Appendix A (Water Management Plan). A draft Water Management Plan was provided to the Department of Planning and Environment (DP&E), Office of Environment and Heritage (OEH), WaterNSW (previously the Sydney Catchment Authority) and the Department of Primary Industries (DPI) – Water (previously the NSW Office of Water) on 9 September 2016 and a revised draft Water Management Plan was provided on 14 October 2016.</p> <p>Section 3.3 and Appendix C (Biodiversity Management Plan). A draft Biodiversity Management Plan was provided to the DP&E, OEH and the DPI – Fishing on 20 September 2016 and a revised draft was provided on 14 October 2016.</p> <p>Section 3.2 and Appendix B (Land Management Plan). A draft Land Management Plan was provided to the DP&E and WaterNSW on 14 October 2016.</p> <p>Section 3.4 and Appendix D (Heritage Management Plan). A draft Heritage Management Plan was provided to the DP&E, OEH (NSW Heritage Branch) and Aboriginal stakeholders on 15 August 2016 and a revised draft was provided on 18 October 2016.</p> <p>Section 3.5 and Appendix E (Built Features Management Plan). Draft Built Features Management Plans were provided to the relevant infrastructure owners as described in Table A2-2 in Attachment 2.</p>

Table A1-1 (Continued)
Project Approval (08_0149) Requirements

Condition Number (Schedule 3)	Condition	Document Reference/Comment
6 (cont.).	<p>(g) include a Public Safety Management Plan, which has been prepared in consultation with DRE and the DSC (for any Mining within the DSC notification area), to ensure public safety in the mining area.</p> <p><i>Note: In accordance with condition 12 of schedule 2, the preparation and implementation of Extraction Plans for second workings may be staged, with each plan covering a defined area of second workings. In addition, these plans are only required to contain management plans that are relevant to the specific second workings that are being carried out.</i></p>	Section 3.6 and Appendix F (Public Safety Management Plan). A draft Public Safety Management Plan was provided to the DP&E, Division of Resources and Energy (DRE) and the Dams Safety Committee (DRE) on 10 October 2016.
7.	<p>In addition to standard requirements for management plans (see condition 2 of schedule 7), the Proponent shall ensure that the management plans required under condition 6(f) above include:</p> <p>(a) a program to collect sufficient baseline data for future Extraction Plans;</p> <p>(b) a revised assessment of the potential environmental consequences of the Extraction Plan, incorporating any relevant information that has been obtained since this approval;</p> <p>(c) a detailed description of the measures that would be implemented to remediate predicted impacts; and</p> <p>(d) a contingency plan that expressly provides for adaptive management.</p>	<p>Appendices A to F and Attachment 3</p> <p>Section 2.3 and Appendices A to F</p> <p>Section 3 and Appendices A to F</p> <p>Section 4.1 and Appendices A to F</p>

Table A1-1 (Continued)
Project Approval (08_0149) Requirements

Condition Number (Schedule 7)	Condition	Document Reference/Comment
Management Plan Requirements		
2.	<p>The Proponent shall ensure that the management plans required under this approval are prepared in accordance with any relevant guidelines, and include:</p> <p>(a) detailed baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none"> • the relevant statutory requirements (including and relevant approval, licence or lease conditions); • any relevant limits or performances measures/criteria; • the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures; <p>(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performances measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none"> • impacts and environmental performance of the project; • effectiveness of any management measures (see c above); <p>(e) a contingency plan to manage any unpredicted impacts and their consequences;</p> <p>(f) a program to investigate and implement ways to improve the environmental performance of the project over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> • incidents; • complaints; • non-compliances with statutory requirements; and • exceedances of the impact assessment criteria and/or performance criteria and <p>(h) a protocol for review of the plan.</p>	<p>Appendices A to F</p> <p>Section 1.1.1, Appendices A to F and Attachment 1</p> <p>Section 3 and Appendices A to F</p> <p>Section 3 and Appendices A to F</p> <p>Section 3 and Appendices A to F</p> <p>Sections 3 and 4.3 and Appendices A to G</p> <p>Section 4.1 and Appendices A to F</p> <p>Sections 4.1, 4.2 and 4.4 and Appendices A to F</p> <p>Sections 4.1 and 4.3 and Appendices A to F</p> <p>Section 4.4 and Appendices A to G</p>