

MEETING	<b>Independent Expert Panel on Mining in the Catchment</b>	
MEETING NO.	2	
DATE/TIME	5 March 2018 Meeting opened: 10.00am Meeting closed: 5.00pm	LOCATION: Pardalote Meeting Room, NSW Department of Industry, Level 48, 19 Martin Place Sydney 2000
ATTENDEES	<p><b>Panel members in attendance:</b></p> <ul style="list-style-type: none"> <li>• Emeritus Professor Jim Galvin (Interim Chair)</li> <li>• Professor Bruce Hebblewhite</li> <li>• Dr Ann Young</li> <li>• Professor Neil McIntyre</li> <li>• Mr Michael Williams</li> <li>• Dr Chris Armstrong (A/Chief Scientist &amp; Engineer)</li> </ul> <p><b>Secretariat in attendance:</b></p> <ul style="list-style-type: none"> <li>• Suzanne Pierce</li> <li>• Jaclyn Aldenhoven</li> <li>• Jerein Kailath</li> </ul> <p><b>In attendance:</b></p> <p>Peabody Energy, Metropolitan Coal (Item 3)</p> <ul style="list-style-type: none"> <li>• Jon Degotardi – Technical Services Manager</li> <li>• Stephen Love – Environment and Community Superintendent</li> <li>• Micheal Alexandra – Director of Projects and Portfolio Management</li> <li>• Stacey Gromadzki – Senior Environmental Manager (Consultant)</li> </ul> <p>South32, Illawarra Coal (Item 5)</p> <ul style="list-style-type: none"> <li>• Gary Brassington, S32 Principal Approvals</li> <li>• Rachel Cameron, S32 Manager External Affairs</li> <li>• Stuart Brown, HGEO Director</li> <li>• Will Minchin, HydroSimulations Senior Hydrogeologist</li> <li>• James Barbato, MSEC Associate</li> <li>• Bryony Andrew, Dendrobium Mine Operations Manager</li> </ul>	
PREPARED BY	OCSE	

## 1. Welcome and For Note

Members welcomed and meeting declared open. The agenda was adopted.

The policy for recording minutes was accepted. The Panel approved the Minutes from Meeting 1.

It was noted all members completed the OCSE conflicts and interests declaration. It was decided that the scheduled meetings with companies involved presentations and therefore did not require any action in regards to member interests.

Action	Responsibility
1.1. Meeting 1 Minutes to be uploaded to OCSE website	Secretariat

## 2. Panel Discussion

The Terms of Reference were discussed and minor updates clarifying terms were approved. The agency and legislative framework overview prepared by the Secretariat was tabled and discussed.

Action	Responsibility
2.1 Confirm with DPE and upload final Terms of Reference to website	Secretariat
2.2 Expand structure, role and decision making flowchart and description of legislation, policy and entities with responsibility for mining activities as they impact on water in the Greater Sydney Water Catchment Special Areas (GSWCSA). To include assessment phase, post-approval oversight and water accounting roles and activities.	Secretariat
2.3 Arrange initial presentation by DPE on legislative framework. Note Panel interest in more detailed presentations from other relevant agencies in future.	Secretariat
2.4 Prepare summary report of thoughts and questions arising from the February 20 Dendrobium Mine site visit and reading of reports	Panel

### 3. Stakeholder meeting: Peabody Energy (Metropolitan mine)

Presentation by representatives from Peabody; including an overview of mine development and longwall operations over time, approval conditions including for the Woronora Reservoir; swamp, surface water and groundwater monitoring methods and data; and remediation of the Waratah Rivulet. Panel discussed areas of interest for proposed site visit to the Metropolitan mine.

Action	Responsibility
3.1 Provide regional plans, monitoring data (including historical data) and environmental reports of Metropolitan mine operational areas	Peabody
3.2 Finalise site visit arrangements for 26 March 2018. Company to provide detailed maps showing longwall operations, swamps and watercourses of note and monitoring points.	Secretariat, Peabody

### 4. Lunch Break

### 5. Stakeholder meeting: South32 (Dendrobium mine)

Presentation by representatives from South32; including the Subsidence Management Plan application for LW16; subsidence prediction methods and observations on effects on groundwater and swamps; modelling methods; and management of impacts.

Action	Responsibility
5.1 Provide detailed monitoring data (particularly for watercourse 21), technical reports on surface water modelling, impact on streams reports, studies (including of Avon Dam, off goaf), a geological cross-section (north-south) and other environmental reports of Dendrobium mine operational areas	South32
5.2 Clarify data held or accessible by DPE arising from the PSM Height of Cracking study	Secretariat
5.3 Provide application, all submissions and responses to the SMP for LW16	DPE, secretariat
5.4 Compile questions for company in response to presentation	Panel, secretariat

### 6. Panel Discussion

Panel discussed issues arising from presentations, site visit and readings to date. Additional meetings, via tele-conference as needed, to be scheduled to facilitate further discussion.

Action	Responsibility
6.1 Set up tele-conference to discuss key issues identified to date.	Secretariat

## 7. Other Business

Secretariat to contact WaterNSW and request presentation planned for 26 March includes regulatory roles in water accounting; and remediation of Waratah Rivulet. Secretariat to establish an EndNote library and list of all studies and reports requested and received.

Action	Responsibility
7.1 Advise WaterNSW of elements to be included in presentation.	Secretariat
7.2 Establish library and list of report holdings	Secretariat

## 8. Next meetings

#3 - Tuesday 20 March 2018, 1.00 pm (teleconference)

#4 - Monday 26 March 2018, to include site visit to Waratah Rivulet and Eastern Tributary (depart Sydney 6.15am, 8am site visit start)

#5 - Tuesday 3 April 2018, 10am

#6 - Thursday 19 April 2018, 10am