

	Apologies from: Peter Murray , Warwick O'Rourke , Daniel Farmer, Peter Miller, Peter Fryar		
CONFIRMATION OF PREVIOUS MINUTES	<p>MC: s a minor correction to Page 8. He is not concerned about boreholes He believes it would be of value to the community for a sum of money to be held in trust for a number of years to remediate any unexpected problems that may occur after the mine closes. He thought this may have been achieved through VPA but now understood funds are held in security bonds for this purpose.</p> <p>DF moved minutes with the above amendment, seconded by MC</p>	W2CP to issue final minutes	
BUSINESS ARISING	<p>DF: did not get hard copy of last minutes</p> <p>MMH: Believed both electronic and hard copies were distributed. Agreed by all present that minutes to be distributed by electronic version/email, DF to receive both electronic and hard copies.</p> <p>DF: Asked about the contact list</p> <p>MMH: Have that in progress and will confirm with each member their preference</p> <p>MMH: Correct Link to DGRS was emailed to everyone.</p> <p>MMH: Response to WO comment on proximity to Wyong Creek?</p> <p>KH: We will come to that in JE's presentation.</p>	MMH to finalise contact list process	
REPORTS/Presentations	<p>John Edwards gave an Overview of Mine Subsidence, the modeling process carried out for W2CP and the results predicted. The powerpoint presentation is contained in Attachment 1</p> <p>Significant comments/responses from JE to questions included:</p> <p>Worst case (maximum) case predictions were incorporated throughout and we have developed management plans to cater for subsidence effects in excess of what we expect to eventually see</p> <p>Maximum predictions are ~ 2.5m. Issue of clarity of some of presentation figures raised by MC</p> <p>The Pacific Highway was subsided ~ 1.5metres at Catherine Hill Bay without any disruption to traffic or structural damage to the road.</p>		

	<p>Responded to AK re uncertainty on prior methodology and modeling process. Initially W2CP used established industry curves but was unsatisfied with this approach as subsidence results seemed low. Therefore W2CP generated own curves to reflect the specific geology at W2CP. This approach required extensive rock strength testing and numerical modeling (similar to bridge, aircraft design etc) and was used in the previous and current EA.</p> <p>Confirmed to AK that the prediction results have been tested against actual results from other NSW operating mines to validate the model.</p> <p>Confirmed to NC that the confidence level in the models is extremely high due to the volume of data and the conservative approach.</p> <p>Discussed the 150-200 m setback from Wyong Creek which is outside any subsidence predictions. Also discussed the monitoring of results vs predictions through the Subsidence Management Plan (SMP) process and how this will insure impacts are minimized.</p> <p>Discussion re AK concerns on potential far field effects that are very small horizontal movements and only apply to very large rigid structures such as large bridges, rail tunnels etc. Predicted movements are within the design criteria of the Mangrove Mountain pipeline (W2CP were consulted in the design) .</p> <p>JE provided an explanation of tilts and strains requested by SG, how they are measured, and how they can affect structures. He said that cultural heritage was an issue that had been considered and that a number of sites had been identified and assessed as part of our archeological assessment. SG explained his members will want to clearly know about management and protection of aboriginal heritage.</p> <p>Discussion on significant faulting (with surface connection potential) by AK that is from Dr Evans report. W2CP's extensive exploration programme has provided no sign of anything with this potential.</p>	<p>AK agreed to provide Evans report to JE</p>	
--	---	--	--

	<p>Issue of aquifer systems in drill holes raised by GL. JE explained only saline water in a few of holes (associated with coal seam) and no evidence of any hard rock aquifers. AK expressed concerns about this again based on Evans report. Also AK raised issues from Pell report re water table concerns. KH responded these concerns were all addressed in the previous submission report that is a public document.</p> <p>Further discussion from SG about groundwater movements and suggestion that W2CP produce a simpler diagram to demonstrate the situation</p>	JE to provide Submission Report to AK	
COMPANY UPDATE	KH newsletter in final production you will get it electronic and hard copy by the end of next week. We may get Mine Subsidence Board at next meeting .	W2CP send out newsletter	
GENERAL BUSINESS	<p>KH: Repeated offer to AK to meet with ACA AK: I will pass on repeat meeting request</p> <p>SG: Commented much of information could be simplified for a broader audience KH: agreed – company will endeavor to do this</p> <p>MMH: Suggested acronyms may be confusing and suggested a list to be included with each set of minutes MC: Agreed providing a list of acronyms would be useful.</p>	<p>AK to pass on meeting request to ACA</p> <p>W2CP to provide acronym list</p>	
NEXT MEETING	23rd August 2012		
MEETING CLOSED	Meeting closed at 6.15pm		

Acronyms

VPA - Voluntary Planning Agreement

DGR's - (Department of Planning & Infrastructure) Director General's requirements

EA - Environmental Assessment

SMP - Subsidence Management Plan

Introduction to Mine Subsidence





