

APOLOGIES	Julie MOLONEY Warwick O'ROURKE Ian MURRAY	NSW Dept Primary Ind Wyong Creek. CFMEU (noted later)		
PREVIOUS MINUTES	Adopted for meeting of 13 th April 2010			
BUSINESS ARISING	In response to Warwick O'Rourke's questions re DoP's Planning Assessment Commission:	<p>Chairman confirmed that the current membership of the PAC was:</p> <p>Ms Gabrielle Kibble AO Ms Donna Campbell Mr John Court Mr Lindsay Kelly Dr Neil Shepherd AM Mr Garry Payne AM Ms Janet Thomson Mr Richard Thorp Prof Kevin Sproats</p> <p>Although at the present time no one has been appointed to review the EA Document of W2CP a specialist in their field will be appointed at the appropriate time.</p>		
PROJECT OVERVIEW	Peter Smith confirmed this meeting's format would consist of individual presentations by specialists who played a major role in providing data contained in the EA. Peter suggested that questions could be asked at	Peter Murray enquired if W2 had received any requests from the CLC following our last meeting where written questions for the specialists had		

	<p>the end of each presentation. Peter Smith then introduced specialists in attendance who would address this meeting on Subsidence Predictions, Subsidence Impact, Ground Water, Flood Impact and Dust and Air Quality.</p>	<p>been requested. Peter Smith confirmed he had not received any written notice of questions although he had received a phone call. Chairman noted that any questions to the specialists today would be questions without notice.</p>	
<p>PRESENTATIONS</p>	<p>SUBSIDENCE PREDICTIONS John EDWARDS – W2CP</p> <p>Mr Edwards delivered a power point presentation covering the background of the W2CP as well as definitions, impacts and predictions. Illustrations of validation of data, comparative subsidence profiles, design considerations and management processes.</p>	<p>Tony Kirk asked if all of the 352 drill holes mentioned had been cored. Mr Edwards replied yes. Mike Campbell referred to the illustrations on fracture pattern which appeared to run to the surface. Mr Edwards replied this was a model/prototype used which was sufficient to show you can get fracturing to the surface if you don't have the correct model. W2 mine plan was designed to ensure that this connection did not happen, but instead at least 120 metres of separation was assured between surface systems and any vertical connectivity. Mike Campbell said that this was all modelling and it is really like an experiment. Tony Kirk referred to a report stating there were 2 or 3 major vertical faults in</p>	

	<p>SUBSIDENCE IMPACT ASSESSMENT Don KAY- (Mine Subsidence Engineering Consultant)</p> <p>Mr Kay explained his background which has been involved with mine subsidence since 1976 and that he is generally a “higher prediction” person. Mr Kay was involved in the first predictions for W2 in 1990’s. Explaining the specific geology, detailed modeling, width of panels etc., Mr Kay said that based on his company’s experience this is a conservative design and believes subsidence over the whole area can be managed. There will be very minor cracking on residences and on a graph curvature v’s damage, perhaps one house could sustain more severe damage than was repairable.</p>	<p>the Dooralong Valley. John Edwards said he would like to see that report as they have found no evidence of major vertical faults.</p> <p>Mike Campbell says that with experts and computer modelling we can still get major cracking under creeks and have rock falls such as in Illawarra. These are all predictions and 10 years on we wear the damage and from an historical point of view it is not good enough. Mr Kay said assessments done in the Southern Coalfields said yes there will be damage and cracking, but at an acceptable level for the community Mike Campbell says the natural environment is damaged and no one is responsible, they just move on and nothing can be done about it. Mr Kay referred to remediation work successfully undertaken in the Southern Coalfields. He also stated that the Wyong situation was completely different to the Southern Coalfields.</p>	
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	<p>GROUNDWATER DR Col MACKIE (Mackie Environmental Research)</p> <p>Dr Mackie delivered a power point presentation detailing the groundwater studies which consisted of modelling, calibration, illustrations, tests, profiles and expected impacts which show no measureable base flow losses to surface creeks and rivers.</p> <p>FLOOD IMPACT ASSESSMENT Geoff HERMAN – KBR</p> <p>Mr Herman delivered a power point presentation detailing flood models, calibration, history of flood studies and impact summary.</p>	<p>Tony Kirk enquired how the 200 ML (megalitres) of water used per day by the mine was going to be treated. Dr Mackie clarified that this was an incorrect interpretation – the amount derived from the mine will be up to 2.5 ML/day after several years of operation and not 200 ML/day Peter Smith advised there will be surface dams, a reverse osmosis plant and a range of water treatments over the life of the mine. Available water had to be of the right quality and initially some water would need to be imported including the potential use of treated sewerage effluent from nearby Charmhaven sewage treatment plant.</p> <p>Alan Hayes stated that he has pictures showing flood levels 1981-89-90-91 and doubts the accuracy of some of Mr</p>	
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	<p>DUST AND AIR QUALITY Dr Kerry HOLMES (Director) PAE Holmes</p> <p>Dr Holmes delivered a power point presentation addressing assessment methodology, outcomes of modelling including pollutants of interest, approaches to health risk assessment, local environment, receptor locations and summary of data in the EA</p>	<p>Herman’s models at a location near Dooralong Hall to the north of the mining area. Mr Herman confirmed that flood height observations had been sought from residents, however there was not a huge number to compare over the 100 years. Flood water on access roads had been looked at and suggestion has been made to raising some roads by about 200mm. Alan Hayes asked where precipitation readings from the Bureau of Meteorology were taken. Mr Herman replied from three stations in the valley.</p> <p>Mike Campbell noted that some information provided with * were not a full year’s data also adding this was unavoidable due to various circumstances. Mike Campbell stated that the National Pollutant Inventory Cumulative Impact</p>	
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		shows what exists in the Shire now, so mining will be in addition to this.	
NEXT MEETING	TUESDAY 6 th JULY 2010 - 3.30PM		
MEETING CLOSED	6PM		