

**Meeting Minutes**  
**Duralie Coal Community Consultative Committee Meeting**  
**Thursday 7 August 2014**

**Attendees:**

Margaret MacDonald-Hill	CCC Chair	Doug Gordon	Duralie Coal Pty Ltd
Ms Lisa Schiff	Great Lakes Council	Michael Plain	Duralie Coal Pty Ltd
Alan Fisher-Webster	CCC Member	Glen Thomas	SLR - invited speaker
Donald Carroll	CCC Member		
Rod Williams	CCC Member		
Tony Tersteeg	CCC Member		

**1. Site Tour**

A site tour was undertaken of the Stratford Coal Mine including the Roseville West Pit, Bowens Road North Pit, rehabilitation areas, irrigation areas and the CHPP.

**2. Welcome and Apologies**

The Chair opened the meeting at 1:05pm.

Apologies: Cr Karen Hutchinson, Brian Eastoe, Tony Dwyer

**3. Declaration of Pecuniary and Non-Pecuniary Interests**

Ms MacDonald-Hill declared that she is the Independent Chair, approved by the Director-General of Planning & Environment, a member of the Mine Subsidence Board, a member of the Minister's Arbitration Panel, and Chair of the ministerial committee of AGL (Hunter CCC) and Chair AGL's Camden Gas Project CCC.

**4. Confirmation of Minutes of Previous Meeting**

The Minutes of the Meeting held on Thursday 8 May 2014 were confirmed.

Moved: Rod Williams; Seconded: Tony Tersteeg.

**5. Business Arising from Previous Meeting**

1. **Action Item 1 (Deferred):** *Great Lakes Council and DCPL to discuss offset area traffic management issues and report back to the CCC.*

DCPL advised signage has been installed in accordance with letter from GLC. Lisa Schiff advised council intend to provide further advice on the recommended traffic control measures in the Duralie offset areas.

2. **Action Item 2:** *The Chair to contact the Department of Planning and ask why the rehabilitation area is being classified as BSAL.*

Refer to correspondence in *Attachment 1*.

3. **Action Item 3:** *DCPL to review dust lift off in mine wall failure area.*

DCPL provided advice that an inspection of the area had been undertaken and procedural changes implemented when working in unacceptably dusty dig areas. Advice was forwarded to the mining contractor about what they need to do in those circumstances.

4. **Action Item 4:** *DCPL to provide feedback on noise and to provide the Committee with a better understanding of noise, how it is dealt with and monitored.*

DCPL arranged for Glen Thomas from SLR Consulting to attend the Duralie CCC meeting and provide a presentation on noise management. SLR, formerly Heggies, have been involved with the Duralie Coal Mine for considerable time and have undertaken the noise impact assessment associated with the current modification. Mr Thomas's presentation is provided in *Attachment 2*.

The committee thanked DCPL for providing the expert noise advice.

5. **Action Item 5:** *Duralie Open Pit Modification to be discussed further at next meeting.*

DCPL advised the exhibition period for the Duralie Open Pit Modification has been completed and DCPL are now waiting on advice from DP&E.

**New Action Item 1:** *Duralie Open Pit Modification to be discussed further at next meeting.*

6. **Action Item 6:** *DCPL to investigate and respond in relation to the blast on Monday 5 May.*

Information provided. Refer to meeting presentation.

7. **Action Item 7:** *DCPL to investigate and report back on rusted barb wire from Mr Fisher-Webster's property.*

Information provided. Refer to meeting presentation.

8. **Action Item 8:** *DCPL to respond in relation to Evaporative Water Disposal.*

Information provided. Refer to meeting presentation.

**New Action Item 2:** *DCPL to report on any new noise mitigation measures which have been implemented and found to be effective.*

9. **Action Item 9:** *DCPL to draft a small print media for consideration of the Committee.*

Deferred to next meeting. DCPL to consider GBF monitoring as topic in print media.

**Deferred Action Item 3:** *DCPL to draft a small print media for consideration of the Committee.*

10. **Action Item 10:** *DCPL to gather details on Committee Members and place on website.*

Committee members' details have been collected and will be placed on the Duralie Website.

## **6. Correspondence**

Out:

- 29/5/14 - email to DP&E re BSAL classification
- 6/6/14 - email to CCC on DP&E response
- 7/7/14 - forward to CCC notification of blast event from DCPL
- 24/7/14 - forward BE email on Karuah Catchment Management Plan for Community Consultation

In:

- 5/6/14 - email response from DP&E
- 7/7/14 - email from DCPL notification of blast event
- 9/7/14 - email from Brian Eastoe on Karuah Catchment Management Plan Community Consultation

***New Action Item 4:*** Chair to draft letter to Deb Delaney GLC regarding the Karuah River Catchment Management Plan.

## **7. Company Reports and Overview of Activities**

DCPL presented the Company Reports and Overview of Activities.

1. Progress at Mine: Good quarter for production, low rainfall. Mining at northern limit in Clareval pit and now progressing downwards.
2. Environmental Projects/Activities including monitoring and community complaints: (refer to presentation for further detail). Discussed by exception. No new action items raised.

## **8. General Business**

1. Lisa Schiff asked about the status of the visual screen works. DCPL advised all works have been completed in accordance with letters from GLC and DP&E. A final close out letter was remaining to be sent to DP&E.
2. Donald Carroll acknowledged appreciation for the funding towards community works in Stroud however questioned the lack of the recognition for DCPL's community funding in the recent GLC community newsletter.
3. Tony Tersteeg commented that he was disappointed in GL Council in their appropriation of \$100,000 to the skate park in Stroud which confirmed his distrust with the altered process to the original when the CCC were more involved.

No further business

Next Meeting date: 6 November 2014 at Duralie Mine site at 1.00pm.

Meeting closed at 3:00pm. (Site tour undertaken after meeting)

## **Summary of Action Items from this meeting**

1. **Action Item 1:** *Duralie Open Pit Modification to be discussed further at next meeting.*
2. **Action Item 2:** *DCPL to report on any new noise mitigation measures which have been implemented and found to be effective.*
3. **Deferred Action Item 3:** *DCPL to draft a small print media for consideration of the Committee.*
4. **Action Item 4:** *Chair to draft letter to Deb Delaney GLC regarding the Karuah River Catchment Management Plan.*

### **Attachment 1: Biophysically Strategic Agricultural Land (BSAL) letter**

The following correspondence is in response to Action Item 2 from the May 2014 CCC Meeting. The information below was received by the Chair.

All,

The Department of Planning and Environment have replied to my enquiry regarding the rehabilitation area of the mine being classified as Biophysically Strategic Agricultural Land (BSAL). Below is the response for your information:

*Yancoal is correct in that lands within existing Mining Leases do not need to go through the BSAL gateway process. The Department has checked the maps of BSAL attached to the Mining SEPP and Yancoal have accurately transferred the information to the map provided to the CCC. These maps were based on data held on other maps which obviously have not been revised in the time that the mine has been operation. However, the BSAL process contains a verification process that anticipates that mapping is not always up to date or completely accurate. There is no prospect of the SAL maps in the mining SEPP being revised in the near future, but ultimately the mapping doesn't matter. The issue of whether they need to get a Site Verification Certificate or not (and whether they need to go through the Gateway) hinges on whether they are looking to expand outside their existing Mining Lease. Page 14 of the second attachment has a good graphic of the different scenarios. Therefore it is the Site Verification Certificate that ultimately matters and will deal with historical anomalies, such as that so rightly identified for the Duralie mine site.*

*I hope this is of assistance to the committee members and thank you for bringing this matter to the Department's attention on their behalf.*

*The website has quite comprehensive information on BSAL & Gateway matters:*

*<http://www.nsw.gov.au/initiative/strategic-regional-land-use>*



## **DURALIE OPEN PIT MODIFICATION**

NOISE AND BLASTING ASSESSMENT  
Duralie CCC Presentation

Thursday 7 August 2014

## Statistical Noise Levels

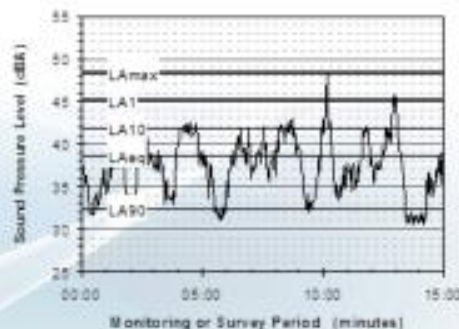
Sounds that vary in level over time, such as transportation noise and most community noise, are commonly described in terms of the statistical exceedance levels  $L_{AN}$ , where  $L_{AN}$  is the A-weighted sound pressure level exceeded for N% of a given measurement period. For example, the  $LA_{1}$  is the noise level exceeded for 1% of the time,  $LA_{10}$  the noise level exceeded for 10% of the time, and so on.

The following figure presents a hypothetical 15 minute noise survey, illustrating various common statistical indices of interest.

- $LA_1$**  The noise level exceeded for 1% of the 15 minute interval.
- $LA_{10}$**  The noise level exceeded for 10% of the 15 minute interval. This is commonly referred to as the average maximum noise level.
- $LA_{90}$**  The noise level exceeded for 90% of the sample period. This noise level is described as the average minimum background sound level (in the absence of the source under consideration), or simply the background level.
- $L_{Aeq}$**  The A-weighted equivalent noise level (basically the average noise level). It is defined as the steady sound level that contains the same amount of acoustical energy as the corresponding time-varying sound.

When dealing with numerous days of statistical noise data, it is sometimes necessary to define the typical noise levels at a given monitoring location for a particular time of day. A standardized method is available for determining these representative levels.

This method produces a level representing the 'repeatable minimum'  $LA_{90}$  noise level over the daytime and night-time measurement periods, as required by the EPA. In addition the method produces mean or 'average' levels representative of the other descriptors ( $L_{Aeq}$ ,  $LA_{10}$ , etc).



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## Major Sources of Duralie Noise Emissions

### Mine Operating Noise – Duralie Only

- $LA_1(1\text{minute})$  maximum Noise Levels – SDNL assessment criteria 45 dBA
- $L_{Aeq}(15\text{minute})$  Intrusive Noise Levels – PSNL assessment criteria 35 dBA
- $L_{Aeq}(\text{period})$  Amenity Noise Levels – PSNL assessment criteria 40 dBA

### Cumulative Industrial Noise – Duralie plus other Industrial Sources

- $L_{Aeq}(\text{period})$  Amenity Noise Levels – Cumulative assessment criteria 40 dBA

### Mine Operating Blasting – Duralie Only

- Airblast – Human Comfort assessment criteria 115 dBLpeak (5% exceedance)
- Ground Vibration - Human Comfort assessment criteria PPV 5 mm/s (5% exceedance)

### Off-site Transportation – Duralie Only

- Road traffic unchanged
- Rail traffic unchanged

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## Approved DCM and Modification Plant and Equipment SWLs

Equipment Description	Duralie Coal Project		Modification Year 2015		Modification Year 2016-2019	
	No of Items	SWL	No of Items	SWL	No of Items	SWL
Drills	1	115	3	120	2	118
Low Noise Drill	1	112	-	-	-	-
Excavator Liebherr R9405 (350t)	1	121	2	124	2	124
Excavator R9250, EX2500 (250t)	1	119	1	119	-	-
Low Noise Excavator PC1800 (180t)	1	117	1	117	1	117
Standard Haul Truck (CAT 789)	2 <sup>1</sup>	125	1	122	1	122
Low Noise Haul Truck (CAT XQ 789)	18 <sup>2</sup>	127	4	123	4	123
Low Noise Haul Truck (CAT XQ 785)	-	-	11	125	8	124
Dozer (CAT D10)	3	126	2	125 <sup>3</sup>	1	122 <sup>3</sup>
Low Noise Dozer (CAT D10XQ)	1	118	2	119 <sup>3</sup>	2	119 <sup>3</sup>
Loaders	1	113	1	113	1	113
Graders	-	-	1	113	1	113
Low Noise Grader	1	110	1	110	1	110
Water Cart	2	121	2	121	2	121
Scraper	-	-	-	-	-	-
Evaporators (45kw)	-	-	2	122	2	122
Evaporators (55kw)	-	-	2	122	2	122
Attenuated Evaporators (75kw)	-	-	2	118	2	118
Pumps	-	-	8	118	8	118
Rotary Breaker	1	114	1	113	1	113
Coal Preparation Plant	0	-	0	-	0	-
Rail Loadout Bin	1	115	1	110	1	110
Locomotive	-	-	2	114	2	114
<b>Total SWL</b>	-	<b>132</b>	-	<b>133</b>	-	<b>132</b>

Note 1: The daytime operational haul truck fleet includes the use of two existing CAT 789 haul trucks.  
 Note 2: The evening/night-time operational fleet includes up to sixteen low noise CAT 785XQ haul trucks only.  
 Note 3: Limited to 2<sup>nd</sup> gear.

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## Privately Owned Receivers<sup>1</sup> and Vacant Land with Criteria Exceedances

Exceedance Range	Intrusive LAeq(15minute)	Sleep Disturbance LA1(1minute)	Amenity LAeq(period) (to school, hall, church)
Consented Noise Limits	N/A	172 <sup>2</sup> Lyell (1 to 2 dBA above consented noise level)	N/A
<b>Exceedance Range</b>	<b>1 to 2 dBA above PSNL</b>	<b>3 to 5 dBA above PSNL</b>	<b>&gt; 5 dBA above PSNL</b>
Intrusive Noise LAeq(15minute)	123 <sup>3</sup> Oleksuk & Carmody, 126 <sup>3</sup> Hamann Pizulu P/L, 127 Fisher-Webster, 173 Trigg & Holland	117 <sup>2,3</sup> Holmes & Holmes, 128 <sup>2,3,4</sup> Hare Scott, 172 <sup>2</sup> Lyell	-
<b>Exceedance Range</b>	<b>1 to 2 dBA above SDNL</b>	<b>3 to 5 dBA above SDNL</b>	<b>&gt; 5 dBA above SDNL</b>
Sleep Disturbance LA1(1minute)	172 <sup>2</sup> Lyell	-	-
<b>Exceedance Range</b>	<b>1 to 2 dBA above PSNL</b>	<b>3 to 5 dBA above PSNL</b>	<b>&gt; 5 dBA above PSNL</b>
Noise Amenity LAeq(period)	-	-	-
<b>Exceedance Range</b>	<b>1 to 2 dBA above IMP Acceptable</b>	<b>3 dBA above IMP Acceptable</b>	<b>&gt; 3 dBA above IMP Acceptable</b>
Cumulative Amenity LAeq(period)	-	-	-
<b>Exceedance Range</b>	<b>1 to 5 dBA above PSNL</b>	-	<b>&gt; 5 dBA above PSNL</b>
Vacant Land Intrusive LAeq(15minute)	118 <sup>2</sup> Moylan	-	122 <sup>2</sup> White

Note 1: Refer to Appendix B2 Land Ownership Details.  
 Note 2: Unexercised acquisition rights in accordance with Project Approval (08\_0203).  
 Note 3: Landowner Agreement with Yancoal in accordance with Project Approval (08\_0203).  
 Note 4: Request for additional noise mitigation measures in accordance with Project Approval (08\_0203).

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## Privately Owned Receivers<sup>1</sup> with Human Comfort Criteria 5% Exceedances

Open Cut	> 6 to 7 mm/s or 116 to 117 dBLpk	8 to 10 mm/s or 118 to 120 dBLpk	11 to 12.5 mm/s or 120 to 133 dBLpk	> 12.5 mm/s or > 133 dBLpk
MIC 400 kg	-	-	-	-
MIC 3,000 kg	117 <sup>2</sup> , 142, 143	120 <sup>3</sup>	-	-

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