



PUBLIC REPORT TEMPLATE

Controlling Corporation

Consolidated Minerals Limited

Period to which this report relates

Start 1 July 2008

End 30 June 09

Part 1 – Information on assessments completed to date

Table 1.1 – Description of the way in which the Corporate Group (or part of it) has carried out its assessments

As a consequence of the Global Financial Crisis and the retrenchment of a number of technical staff, CML's ability to carry out its assessments this year has been negatively impacted. An update to the ARS submitted on the 11 December 2008 indicated that an EEO assessment would be conducted at the Coobina operation between July and October 2009. This assessment did not occur, as the operation was placed on Care and Maintenance in December 2008, with the only activities being the ongoing treatment of a fines stockpile. All mining activities have ceased at the operation. The Kambalda Nickel operation has been placed on Care and Maintenance since January 2009. As no further assessments have been conducted, all information pertaining to assessments conducted in this report remain the same as those in the 2008 Public Report. The predicted outlook for CML for the CY09 was highlighted in a covering letter issued by the company's Chief Executive Officer which was submitted together with the 2008 Public and Government Reports.

Table 1.2 – Energy use assessed

Group member and/or business unit and/or key activity and/or site that has had an assessment completed by the end of this reporting period.	Period over which assessment was undertaken ¹	Energy use per annum in GJ ² in the current reporting year
Pilbara Manganese Pty Ltd (Woodie Woodie Operation)	April 2008 to October 2008	925,042GJ
Total energy assessed		925,042GJ
Total energy use of the group in the current reporting year		1,116,928GJ
Total energy assessed expressed as a percentage of total current energy use		82.8%

1. This should be the start and finish date (month and year) for the assessment (planned assessment dates were nominated in Table 3.1 of the approved ARS).

2. Energy Bandwidth may only be used if approved in the Assessment and Reporting Schedule.



Part 1 – Information on assessments completed to date (continued)

Table 1.3 – Accuracy of energy use data

Entity	% achieved	Reasons for not achieving data accuracy to within $\pm 5\%$
Pilbara Manganese Pty Ltd (Woodie Woodie Operation)	5%	N/A

Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

Part 2A - New Assessments completed during the reporting period

Name of Group member or business unit or key activity or site: *No new assessments were conducted during this period.*

Energy use of the entity during the current reporting period

	GJ
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Table 2.1 – Opportunities assessed to an accuracy of ±30% or better

Status of opportunities identified		Number of opportunities	Estimated energy savings per annum by payback period (GJ)			Total estimated energy savings per annum (GJ)
			0 – < 2 years	2 – ≤ 4 years	> 4 years	
Outcomes of assessment*	Total Identified					
Business Response*	Under Investigation					
	To be Implemented					
	Implementation Commenced					
	Implemented					
	Not to be Implemented					



Name of Group member or business unit or key activity or site: _____

Energy use of the entity during the current reporting period

	GJ
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Table 2.2 - Opportunities assessed to an accuracy of worse than ±30%

Status of opportunities identified		Number of opportunities	Estimated energy savings per annum by payback period (GJ)			Total estimated energy savings per annum (GJ)
			0 – < 2 years	2 – ≤ 4 years	> 4 years	
Outcomes of assessment	Total Identified					
Business Response	Under Investigation					
	To be Implemented					
	Implementation Commenced					
	Implemented					
	Not to be Implemented					

Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

Part 2B - Update of assessments originally reported in previous reporting periods

Name of Group member or business unit or key activity or site: Pilbara Manganese Pty Ltd (Woodie Woodie Operation)

Energy use of the entity during the current reporting period

925,042

GJ

Table 2.3 - Opportunities assessed to an accuracy of $\pm 30\%$ or better

Status of opportunities identified		Number of opportunities	Estimated energy savings per annum by payback period (GJ)			Total estimated energy savings per annum (GJ)
			0 – < 2 years	2 – ≤ 4 years	> 4 years	
Outcomes of assessment*	Total Identified	5	29,135	14,638		43,773
Business Response*	Under Investigation					
	To be Implemented	5	29,135	14,638		43,773
	Implementation Commenced					
	Implemented					
	Not to be Implemented					

- *The recent Global Financial Crisis and the resultant reduction in technical staff negatively impacted on the company's ability to implement opportunities identified during the initial EEO assessment. In an effort to keep the organisation viable during this time, all available resources were focussed on cost containment and production outputs at the operations.*
- *The information contained in this tabulation is the same as that contained in the 2008 public report.*



Name of Group member or business unit or key activity or site: Manganese Pty Ltd (Woodie Woodie Operation)

Energy use of the entity during the current reporting period

925,042	GJ
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Table 2.4 - Opportunities assessed to an accuracy of worse than $\pm 30\%$

Status of opportunities identified		Number of opportunities	Estimated energy savings per annum by payback period (GJ)			Total estimated energy savings per annum (GJ)
			0 – < 2 years	2 – \leq 4 years	> 4 years	
Outcomes of assessment*	Total Identified	64	33,184	20,852		54,036
Business Response*	Under Investigation	61	33,184	20,342		53,526
	To be Implemented					
	Implementation Commenced					
	Implemented					
	Not to be Implemented	3		510		510

- The recent Global Financial Crisis and the resultant reduction in technical staff negatively impacted on the company's ability to further investigate opportunities identified during the initial EEO assessment. In an effort to keep the organisation viable during this time, all available resources were focussed on cost containment and production outputs at the operations.*
- The information contained in this tabulation is the same as that contained in the 2008 public report.*



Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

Part 2C - Details of at least three significant opportunities found through EEO assessments

Table 2.5 – Description of 3 significant opportunities

Opportunity 1
Recommend the use of solar boosters for existing hot water heaters, or replacement with solar water heaters upon the failure of existing systems. This opportunity has an energy saving of \$165,000 annually. There is also an annual energy saving of 5,891 GJ as well as 412 tCO₂-e . The capital cost is approximately \$660,000 with a payback period of 4.0 years.
Opportunity 2
Recommend the installation of shade roofs over exposed accommodation dongas to reduce heat gain during the day. This has an energy saving of \$245,000 annually. There is a further annual energy saving of 8,747 GJ as well as 612 tCO₂-e . The capital cost is \$633,660 with a payback period of 2.6 years.
Opportunity 3
Recommend the use of timers to reduce the operating time of the air conditioners servicing the accommodation dongas. This opportunity has an energy saving of \$788,000 annually. There is also an annual energy saving of 27,698 GJ as well as 1,937 tCO₂-e . The capital cost is approximately \$48,000 with a payback period of 0.06 years.
Opportunity 4

- *As no new assessments were conducted in 2009, the information contained in this tabulation is the same as that contained in the 2008 Public Report.*



Part 3 - Voluntary Contextual Information

Table 3.1 – Contextual Information

Further EEO related work that has occurred at CML/Woodie Woodie during 2009:

1. The installation of video conferencing facilities at Woodie Woodie and Perth Office in an effort to reduce travel for meetings between site and Perth office personnel.
2. Submission made to the Department of Regional Development and Lands (7 Dec 09) for funding to set up a bio fuels trial project which will determine the practicality of growing bio fuel crops in the Pilbara, and the potential for a fully commercial venture in the future.
3. Provision has been made in the 2010 Capital budget for the purchase of diesel and electrical monitoring and metering equipment.
4. Footpath lighting in the new camp is sunlight sensitive, switching on automatically at night and switching off in the mornings.
5. A pre – feasibility study has been completed for the construction and operation of a new more efficient beneficiation plant at the Woodie Woodie operation.

Table 3.2 – Energy use expressed in Greenhouse Gas emissions and as an energy use indicator

Period of energy use _____ to _____			
Name of group member/ business unit/ key activity/site	Energy use pa (GJ)	Energy use pa (GGE)	Energy use as an indicator
Total			

Table 3.3 - Opportunities assessed to an accuracy of ±30% or better (\$ value)

Status of opportunities identified		Number of opportunities	Estimated energy savings per annum by payback period (\$)			Total estimated energy savings per annum (\$)
			0 – < 2 years	2 – ≤ 4 years	> 4 years	
Outcomes of assessment*	Total Identified					
Business Response*	Under Investigation					
	To be Implemented					
	Implementation Commenced					
	Implemented					
	Not to be Implemented					





Part 3 - Voluntary Contextual Information (continued)

Table 3.4 – Changes in energy use as an indicator

Name of group member/ business unit/ key activity/site	Current energy use as an indicator	Previous energy use as an indicator	Reasons for change
Total			

Part 4 - Declaration

Table 4.1 - Declaration of accuracy and compliance (mandatory information)

The information included in this report has been reviewed and noted by the board of directors and is to the best of my knowledge, correct and in accordance with the *Energy Efficiency Opportunities Act 2006* and *Energy Efficiency Opportunities Regulations 2006*.

Michael Marriott - Managing Director

Date: 17/12/2009