



PUBLIC REPORT TEMPLATE

Controlling Corporation

Consolidated Minerals Limited

Period to which this report relates

Start 1 July 2006

End 30 June 10

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

The Coobina chrome operation and the Kambalda Nickel operation remained on Care and Maintenance during the reporting year. 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 EEO champion within the company has changed in the reporting year and a contractor has been appointed to conduct to undertake an assessment of the energy usage in the Process Plant at the Woodie Woodie operation.

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)	July 2009 to June 2010	1,186,200GJ
Total energy assessed		1,186,200GJ
Total energy use of the group in the current reporting year		1,264,258GJ
Total energy assessed expressed as a percentage of total current energy use		93.8%

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.*

Energy use of the entity during the current reporting period

	GJ
--	----

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
--	----

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

1,186,200	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 – \leq 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					

- *As no new assessments were conducted in 2010, the information contained in this tabulation is the same as that contained in the 2008 & 2009 Public Reports.*



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

1,186,200	GJ
-----------	----

Table 2.4 - 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	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

- *As no new assessments were conducted in 2010, the information contained in this tabulation is the same as that contained in the 2008 & 2009 Public Reports.*

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 2010, the information contained in this tabulation is the same as that contained in the 2008 & 2009 Public Reports.*



Part 3 - Voluntary Contextual Information

Table 3.1 – Contextual Information

1. Approval for funding from the Department of Regional Development and Lands to set up a bio fuels trial project at Woodie was received. The project will kick off in the second quarter of 2011.
2. The fuel monitoring system has been upgraded with smart fill units and satellite modems. Electronic fuel level checks have also been installed in some bulk fuel tanks. A software system to upload fuel allocation data per equipment item from the smart fill units to the accounting system (Pronto) will be implemented in 2011.
3. The next phase of the EEO process at the Woodie Woodie Operations will be to undertake an assessment of the energy usage in the processing Plant. This assessment, conducted by an Energy Consultant, will consider the energy used in the Powerhouse, in heavy equipment used to transport materials around the Plant and light vehicles used to provide services. The information gathered in the study will be used as part of a detailed investigation of this opportunity under stage 5 of the EEO assessment process.
4. A trial will be conducted at Coobina mine site in 2011 to investigate the cost benefits of a solar powered bore pump versus existing diesel powered bore pumps.

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*.

Simon Youds – Acting Managing Director

Date: 24/12/2010