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resources.

Compliance Assessment Plan (MS 855)

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1 INTRODUCTION

1.1 Background

Brockman Resources Limited (Brockman) was granted conditional environmental approval for the Marillana Iron Ore Project under Part IV of the Western Australian Environmental Protection Act 1986 by the Minister for Environment. Approval was through the implementation of Ministerial Statement 855 (MS 855) which was issued on the 8th February 2011. A condition of project implementation included in the statement requires the establishment of a system for monitoring and reporting compliance (Condition 4-1). This condition states:

“The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the CEO.”

This Compliance Assessment Plan (CAP) has been prepared to satisfy Condition 4-1 of MS 855 for the Marillana Iron Ore Project.

1.2 Purpose

The content, structure and level of detail of this CAP meet the requirements of MS 855 Condition 4-2 which states:

“The proponent shall submit to the CEO the compliance assessment plan required by condition 4-1 at least 6 months prior to the first compliance report required by condition 4-6, or prior to ground-disturbing activities, whichever is sooner. The compliance assessment plan shall indicate:

- 1. the frequency of compliance reporting;*
- 2. the approach and timing of compliance assessments;*
- 3. the retention of compliance assessments;*
- 4. reporting of potential non-compliances and corrective actions taken;*
- 5. the table of contents of compliance reports; and*
- 6. public availability of compliance reports.*

This CAP has been prepared in accordance with the Office of the Environmental Protection Authority’s (OEPA) “Guidelines for Proponents - Preparing a Compliance Assessment Plan” (OEPA, 2009a).

The CAP is an integral part of the Project’s Integrated Management System (IMS) which conforms to Brockman’s internal quality, safety and environmental management standards. The IMS includes the development and management of policies, management strategies, procedures and reporting requirements and ensures the effective management of all health, safety, environment, community and operational issues associated with the Project.

2 THE COMPLIANCE ASSESSMENT PLAN

2.1 Frequency of Compliance Reporting

Submission of compliance assessment reports (also referred to as Performance and Compliance Reports - PCRs) to the CEO of the OEPA is to be undertaken on an annual basis following the submission of the first PCR which is due fifteen months from the date of issue of MS 855 (i.e., 8th May 2012). This requirement is outlined in Condition 4-6 of the MS 855 which was published on the 8th February 2011.

2.2 Approach and Timing of Compliance Assessments

Compliance with the conditions of MS 855 will be assessed as set out in the approach and timing table below (Table 1). Documents required by MS 855 to be made publicly available will be made available on the project website and provided to the Department of Environment and Conservation (DEC) library and the Proposal Implementation Monitoring Branch (PIMB) of the OEPA.

Table 1 - Approach and Timing

Audit Code	How Compliance will be Assessed	Timing
855:M1.1	Submit a Performance and Compliance Report (PCR).	Annually
855:M2.1-2.2	Letter applying for a transfer of proponent and a copy of the Statement endorsed by the proposed replacement proponent. Letter of notification to OEPA.	Ongoing Within 30 days of such change
855:M3.1-3.2	Letter of notification to OEPA.	Before the 8 February 2016
855:M4.1-4.2	Approved Compliance Assessment Plan (CAP) and Audit Table (this document).	Before 8 November 2011 or prior to ground disturbing activities, whichever is sooner.
855:M4.3	Performance and Compliance Report	The First PCR submitted before 8th May 2012 and then annually on this date.
855:M4.4	Availability at the request of the CEO.	When requested by the CEO
855:M4.5	Correspondence to CEO of OEPA.	Within 7 days of non-compliance being known
855:M4.6	Endorsed Performance and Compliance Report uploaded on to Brockman's website and copies sent to DEC Library and PIMB (OEPA).	The First PCR submitted before 8th May 2012 and then annually on this date.
855:M5.1	Sand dune communities mapped as "development exclusion zones" for project planning. Performance and Compliance Report.	Ongoing
855:M5.2	Environmental Monitoring Plan (detailing vegetation monitoring) to be developed with advice from DEC.	Plan developed prior to ground-disturbing activities.
855:M5.3	Routine environmental monitoring	Within 21 days of the decline being identified
855:M5.4	Performance and Compliance Report.	On approval of the CEO
855:M6.1	Weeli Wollie Creek vegetation mapped with 30 m "exclusion zone" for project planning.	Reported to the OEPA prior to clearing

Audit Code	How Compliance will be Assessed	Timing
	Performance and Compliance Report.	
855:M6.2-6.5	Routine environmental monitoring	As per Environmental Monitoring Plan following advice from DEC
855:M6.6	Environmental Monitoring Report	Report to the CEO within 21 days of the decline being identified
855:M6.7	Performance and Compliance Report	Ongoing
855:M7.1	Environmental Monitoring Plan (including weeds) to be developed with advice from DEC and implemented. Environmental Monitoring Report Performance and Compliance Report	Plan developed prior to ground-disturbing activities. Report produced annually.
855:M8.1-8.4	Environmental Monitoring Plan (including Fortescue Marsh hydrology) to be developed with advice from DEC and implemented. Environmental Monitoring Report Performance and Compliance Report	Plan developed prior to groundwater abstraction or dewatering. Report produced annually.
855:M8.5	Marillana Groundwater Model Review Report to be developed in consultation with DEC and DoW	Within one year of the commencement of dewatering
855:M8.6	Independent groundwater expert engaged to review Marillana Groundwater Model Review Report	Prior to providing the report required by condition 8-5
855:M8.7	Routine environmental monitoring	Report to the CEO within 7 days of the exceedance being identified
855:M8.8	Performance and Compliance Report	Annually submit results of monitoring within the PCR.
855:M8.9	Environmental Monitoring Report uploaded on to Brockman's website	Within 14 days of the report being submitted
855:M9.1	Weeli Wolli Creek vegetation mapped with 30 m "exclusion zone" for project planning. Performance and Compliance Report.	Ongoing
855:M9.2	Internal audit of the Marillana Surface Water Management Plan	Annually
855:M9.3	Review and update the Marillana Surface Water Management Plan	When requested by the CEO
855:M9.4	Marillana Surface Water Management Plan uploaded on to Brockman's website	Within 14 days of the plan being submitted
855:M10.1-10.3	Environmental Monitoring Plan development and implementation	Prior to ground-disturbing activities
855:M10.4	Environmental Monitoring Report	Submit monitoring results within the annual PCR.
855:M10.5	Routine environmental monitoring	Report the findings within 21 days of a decline being identified
855:M10.6	Implement corrective actions directed by the CEO	Ongoing
855:M10.7	Environmental Monitoring Report uploaded on to Brockman's website	Within 14 days of the report being submitted

Audit Code	How Compliance will be Assessed	Timing
855:M11.1-11.2	Geochemical Testwork Report submitted to the CEO	Prior to ground-disturbing activities
855:M11.3-11.4	Environmental Monitoring Plan	Ongoing
855:M11.5	Routine environmental monitoring	Provide a report within 21 days of the decline
855:M11.6	Implement corrective actions directed by the CEO	Ongoing
855:M11.7	Environmental Monitoring Report uploaded on to Brockman's website	Within 14 days of the report being submitted
855:M11.8	Environmental Monitoring Report	Annually in the PCR.
855:M12.1	Activities reported in the Environmental Monitoring Report	Annually in the PCR.
855:M12.2	Completion criteria researched and reported within Environmental Monitoring Report	Within five years of ground-disturbing activities for the proposal
855:M12.3	Activities reported in the Environmental Monitoring Report	Ongoing
855:M13.1	Final Closure and Decommissioning Plan developed and submitted to DEC and DMP	At least five years prior to mine completion
855:M13.2-13.3	DEC and DMP will confirm Plan meets the required level of detailed information.	Ongoing
855:M13.4	Activities reported in the Environmental Monitoring Report	Ongoing
855:M13.5	Final Closure and Decommissioning Plan uploaded on to Brockman's website	Within 14 days of the plan being submitted

Each strategy referred to in the above Table contains actions and targets. Each strategy also contains measures that are required to be implemented to achieve the objectives in the Ministerial Statement.

Assessment of compliance will occur annually via internal audits. The audits will be undertaken initially by the Corporate Environmental Specialist (or appropriately qualified delegate) and audits thereafter undertaken by site-based Environmental Specialists. Audit plans for each strategy will be prepared in accordance with the Ministerial Statement. Compliance will be assessed as per the Audit Table (Appendix A). The Audit Table will be developed and populated in accordance with the Draft Guidelines for Proponents – Preparing an Audit Table (OEPA, 2009b).

2.3 Retention of Compliance Assessments Report

In accordance with Condition 4-4 of the Ministerial Statement, all compliance assessment reports (the PCR) shall be retained for the life of the Project and be made available when requested by the CEO of the OEPA. Each PCR will be stored electronically within Brockman's document control system.

2.4 Reporting Non-compliances and Corrective Measures

The CEO of the OEPA will be advised within seven working days of a potential non-compliance being known in accordance with the Condition 4-5 of the Ministerial Statement.

Non-compliances, and the corrective and preventative actions taken, will also be outlined in the non-compliance report.

2.5 Table of Contents of Compliance Assessment Reports

Brockman expects to have a number of statutory annual environmental reporting requirements for the Marillana Project. These are likely to include:

- an Annual Environmental Report (AER) as required by the Mining Act 1978;
- an Annual Licence Report (ALR) as will be required by the yet to be issued Environmental Licence covering Prescribed Premises under the Environmental Protection Act 1986;
- an Annual Performance and Compliance Report (PCR) as required by in Condition 4-6 of Ministerial Statement 855 which was published on the 8th February 2011; and
- An Annual Production and Monitoring Report associated with Groundwater Well Licences / Operating Strategy for the proposed groundwater dewatering and re-injection activities.

It is Brockman's intention to coordinate and consolidate annual statutory environmental reporting requirements into one submission (where practicable and with permission from the various government departments). The reporting requirements of the PCR will be covered within this single annual report. Table 2 outlines the indicative table of contents that will be used in this proposed annual report that exceeds the minimum level of detail as suggested in the DEC's Draft Compliance Monitoring and Reporting – Guidelines for Proponents (DEC, 2007). Table 2 shows the various sections of the report that comply with the PCR components assessing compliance against the Ministerial Statement. If a change to the Compliance Assessment Plan is proposed, this will also be outlined within the PCR when required. It is not anticipated that information will be included in each PCR.

Table 2 - Proposed 'Table of Contents' of the PCR

Heading	Description of Sections (those required for the PCR)
Executive Summary	
Introduction	Introduction to the Marillana Project. Includes reference to MS 855, relevant management strategies and the period of time covered by the report. Summarises the current implementation status of the Project, specifically any major milestones/ achievements/ deviations within the reporting period, having regard to the key characteristics table in Schedule 1 of the MS 855.
Activities Undertaken in the Previous 12 Months	
• Exploration	
• Geotechnical Assessments	
• Mining	

Heading	Description of Sections (those required for the PCR)
<ul style="list-style-type: none"> Waste Management 	
<ul style="list-style-type: none"> Environmental Management, Monitoring and Reporting 	Summarises the environmental monitoring undertaken over the period and provision of details regarding any research or studies also undertaken.
<ul style="list-style-type: none"> Land Management 	
<ul style="list-style-type: none"> Environmental Checks and Correctives Actions 	Includes a statement as to whether Brockman has complied with the conditions of MS 855 over the reporting period. Makes reference to the Ministerial Statement Audit Table in the Appendix and implementation of the management strategies. Identification of all potential non-compliances and description of the corrective and preventative actions taken.
<ul style="list-style-type: none"> Status of Environmental Management Action Plans 	
<ul style="list-style-type: none"> Closure and Rehabilitation Activities 	
Planned Activities over the Next 12 Months	
<ul style="list-style-type: none"> Geotechnical Assessments 	
<ul style="list-style-type: none"> Exploration 	
<ul style="list-style-type: none"> Mining 	
<ul style="list-style-type: none"> Management of Potential AMD Materials 	
<ul style="list-style-type: none"> Water Management and Monitoring 	
<ul style="list-style-type: none"> Additional Monitoring 	
<ul style="list-style-type: none"> Land Management 	
<ul style="list-style-type: none"> Proposed Environmental Management Action Plans 	
<ul style="list-style-type: none"> Proposed Closure and Rehabilitation Activities 	
Stakeholder Consultation	Summarises stakeholder consultation undertaken during the reporting period. This will include the details of any major issues raised during any consultation and a statement on how stakeholders will be consulted during the future reporting period.
Endorsement	The report will be endorsed by Brockman's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf.
References	
Appendices	Will include the Ministerial Statement Audit Table (completing/Updating the Status Field) Also includes any other relevant appendices, which may include but are not limited to Consultant reports, monitoring results etc. that show evidence to support claims made under the Status field of the Audit Table

2.6 Public Availability of Compliance Assessment Reports

In accordance with the requirements of OEPA's Proposal Implementation Monitoring Branch – Fact Sheet 1, Making Documents Publicly Available (April, 2010) the combined annual report containing all aspects of the PCR will be placed on the Brockman Resources website within two (2) weeks of submission to OEPA. All reports will remain on the Brockman website for the life of the Marillana Project. The Brockman website is available through the following link:

<http://www.brockman.com.au/>

A URL link to each report uploaded will be sent to the Proposal Implementation Monitoring Branch (PIMB) through the pims@epa.wa.gov.au email address.

Annual reports will also be sent (1 hard copy and 1 CD) to:

The CEO of the OEPA, c/- The Manager, Proposal Implementation Monitoring Branch (PIMB), Locked Bag 33, Cloisters Square, PERTH WA 6850; and

Department of Environment and Conservation Library (Atrium) Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983.

3 REFERENCES

- DoE (2007) Draft Compliance Monitoring and Reporting – Guidelines for Proponents Performance and Compliance Reporting. Environmental Regulation Division, Department of Environment and Conservation, Government of Western Australia.
- OEPA (2009a). Guidelines for Proponents - Preparing a Compliance Assessment Plan. Office of the Environmental Protection Authority, Government of Western Australia.
- OEPA (2009b). Draft Guidelines for Proponents – Preparing an Audit Table. Office of the Environmental Protection Authority, Government of Western Australia.
- OEPA (2010) Proposal Implementation Monitoring Branch – Fact Sheet 1, Making Documents Publicly Available, April 2010. Office of the Environmental Protection Authority, Government of Western Australia.

APPENDIX A – AUDIT TABLE

AUDIT TABLE

Proposal Implementation Monitoring Section

PROJECT: Marillana Iron Ore Project, Shire of East Pilbara

Note:

- Phases that apply in this table = **Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases)**
- This audit table is a summary and timetable of conditions and commitments applying to this project. Refer to the Minister's Statement for full detail/precise wording of individual elements.
- Code prefixes: M = Minister's condition; P = Proponent's commitment; A = Audit specification; N = Procedure.
- Any elements with status = "Audited by proponent only" are legally binding but are not required to be addressed specifically in compliance reports, if complied with.
- Acronyms list:- Minister for the Environment - Min for Env; Chief Executive Officer - CEO; Department of Environment – DoE (now DEC – Dept of Environment and Conservation); Evaluation Division - Part IV; Pollution Prevention Division - Part V; Waste Management Division - WMD; Department of Conservation and Land Management - CALM; Department of Minerals and Energy - DME; Environmental Protection Authority - EPA; Health Department of WA - HDWA; Water and Rivers Commission - WRC; Bush Fires Board - BFB.

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
855:M1.1	Proposal Implementation	The proponent shall implement the proposal as documented and described in schedule 1 of this statement subject to the conditions and procedures of this statement	As per Schedule 1, Statement 855	Annual Performance and Compliance Report (PCR)	Min for Env		Overall	Ongoing	
855:M2.1	Proponent Nomination and Contact Details	The proponent for the time being nominated by the Minister for Environment under sections 38(6) or 38(7) of the <i>Environmental Protection Act 1986</i> is responsible for the implementation of the proposal.	Notify in writing a letter that provides details of the name and address of the new proponent	Letter applying for a transfer of proponent and a copy of the Statement endorsed by the proposed replacement proponent	Min for Env		Overall	Ongoing	
855:M2.2	Proponent Nomination and Contact Details	The proponent shall notify the Chief Executive Officer of the Office of the Environmental Protection Authority (CEO) of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change	Notify in writing a letter that provides details of the name and address of the new proponent	Letter of notification	CEO		Overall	Within 30 days of such change	
855:M3.1	Time Limit of Authorisation	The authorisation to implement the proposal provided for in this statement shall lapse and be void five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.	Notify in Writing	Letter of notification	CEO		Overall	Before the 8 February 2016	
855:M3.2	Time Limit of Authorisation	The proponent shall provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.	Notify in Writing	Letter of notification.	CEO		Overall	Before the 8 February 2016	
855:M4.1	Compliance Reporting	The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the CEO.	Correspondence with the OEPA	Approved Compliance Assessment Plan (CAP). A completed and approved Audit Table (this document).	CEO		Overall	Ongoing	
855:M4.2	Compliance Reporting	The proponent shall submit to the CEO the compliance assessment plan required by condition 4-1 at least 6 months prior to the first compliance report required by condition 4-6, or prior to ground-disturbing activities, whichever is sooner. The compliance assessment plan shall indicate: 1. the frequency of compliance reporting; 2. the approach and timing of compliance assessments; 3. the retention of compliance assessments; 4. reporting of potential non-compliances and corrective actions taken; 5. the table of contents of compliance reports; and 6. public availability of compliance reports.	The compliance assessment plan shall indicate: 1. the frequency of compliance reporting; 2. the approach and timing of compliance assessments; 3. the retention of potential non-compliances and corrective actions taken; 5. the table of contents of compliance reports; and 6. public availability of compliance reports.	Approved Compliance Assessment Plan Correspondence with OEPA	CEO		Pre-construction	Before 8 November 2011 or prior to ground disturbing activities, whichever is sooner.	
855:M4.3	Compliance Reporting	The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.	As specified in CAP	Overview provided in annual PCR	Min for Env		Overall	The First CAR submitted before 8 May 2012 and then annually on this date.	
855:M4.4	Compliance Reporting	The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the CEO.	Records and reports will be maintained in accordance with the Proponent's document management system requirements so that they can be retrieved if requested.	Availability at the request of the CEO	CEO		Overall	When requested by the CEO	
855:M4.5	Compliance Reporting	The proponent shall advise the CEO of any potential non-compliance within 7 business days of that non-compliance being known	Notify in writing	Correspondence to CEO of OEPA	CEO		Overall	Within 7 days of non-compliance being known	

AUDIT TABLE

Proposal Implementation Monitoring Section

PROJECT: Marillana Iron Ore Project, Shire of East Pilbara

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
855:M4.6	Compliance Reporting	The proponent shall submit to the CEO the first compliance assessment report fifteen months from the date of issue of this Statement addressing the twelve month period from the date of issue of this Statement and then annually from the date of submission of the first compliance report. The compliance assessment report shall: 1. be endorsed by the proponent's Managing Director or a person, approved in writing by the Office of the Environmental Protection Authority, delegated to sign on the Managing Director's behalf; 2. include a statement as to whether the proponent has complied with the conditions; 3. identify all potential non-compliances and describe corrective and preventative actions taken; 4. be made publicly available in accordance with the approved compliance assessment plan; and 5. indicate any proposed changes to the compliance assessment plan required by condition 4-1.	In accordance with CAP	1. Endorsement in annual PCR. 2. annual PCR. 3. Uploaded on to proponent's website and copies sent to DEC Library and PIMB (OEPA).	CEO		Overall	The first PCR submitted before 8 May 2012 and then annually on this date.	
855:M5.1	Marillana Sand Dune Community	The proponent shall implement the proposal so that it does not adversely affect the Marillana Sand Dune community shown as vegetation units 6 and 7 in Figure 2 of schedule 1.	Sand dune communities mapped as "development exclusion zones" for project planning.	Annual PCR.	Min for Env		Overall	Ongoing	
855:M5.2	Marillana Sand Dune Community	The proponent shall monitor, prior to disturbance and at intervals during the operation of the project, the health and condition of the Marillana Sand Dune community shown as vegetation units 6 and 7 in Figure 2 of schedule 1. This monitoring is to be carried out to the satisfaction of the CEO on advice from the Department of Environment and Conservation	Environmental Monitoring Plan (detailing vegetation monitoring) to be developed with advice from DEC.	Environmental Monitoring Report submitted annually with the PCR.	CEO	DEC	Overall	Ongoing	
855:M5.3	Marillana Sand Dune Community	Should any monitoring site show a 25 per cent (or greater) decline in health or condition, the proponent shall provide a report to the CEO within 21 days of the decline being identified which: 1. describes the decline; 2. provides information which allows determination of the likely root cause of the decline; and 3. if likely to be caused by activities undertaken in implementing the proposal, states the actions and associated timelines proposed to remediate the decline.	Routine environmental monitoring in accordance with the Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Within 21 days of the decline being identified	
855:M5.4	Marillana Sand Dune Community	The proponent shall, on approval of the CEO, implement the actions identified in condition 5-3(3) and continue to implement such actions until the CEO determines that the remedial actions may cease	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	On approval of the CEO	
855:M6.1	Weeli Wolli Creek Riparian Vegetation	The proponent shall ensure that no clearing is undertaken within 30 metres of the bank of Weeli Wolli Creek as defined in schedule 2, unless required for the construction of drainage diversion structures or creek crossings. Areas required for the construction of drainage diversion structures or creek crossings should be reported to the Office of the Environmental Protection Authority prior to clearing.	Weeli Wolli Creek vegetation mapped with 30 m "exclusion zone" for project planning. Performance and Compliance Report.	Environmental Monitoring Report submitted annually with the PCR.	Min for Env		Overall	Reported to the Office of the Environmental Protection Authority prior to clearing	
855:M6.2	Weeli Wolli Creek Riparian Vegetation	The proponent shall ensure that groundwater abstraction and dewatering required to implement the proposal do not adversely impact the riparian vegetation of Weeli Wolli Creek.	Routine environmental monitoring in accordance with the Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	Min for Env		Overall	Ongoing	
855:M6.3	Weeli Wolli Creek Riparian Vegetation	To verify that the requirement of condition 6-2 is met the proponent shall: 1. monitor soil moisture levels within the riparian vegetation area; and 2. monitor the health and cover of vegetation within the riparian vegetation area, particularly <i>Eucalyptus victrix</i> .	Routine environmental monitoring in accordance with the Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	Min for Env		Overall	Ongoing	
855:M6.4	Weeli Wolli Creek Riparian Vegetation	Monitoring undertaken as required by condition 6-3 is to be carried out according to a monitoring schedule and using methods developed to the satisfaction of the CEO on advice from the Department of Environment and Conservation, prior	Routine environmental monitoring in accordance with the Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	CEO	DEC	Overall	Ongoing	

AUDIT TABLE

Proposal Implementation Monitoring Section

PROJECT: Marillana Iron Ore Project, Shire of East Pilbara

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
		to the commencement of dewatering.							
855:M6.5	Weeli Wolli Creek Riparian Vegetation	Monitoring undertaken as required by condition 6-3 is to continue until such time as groundwater levels below Weeli Wolli Creek have returned to pre-mining levels, or until such time as the CEO determines that monitoring and management actions may cease.	Routine environmental monitoring in accordance with the Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Ongoing	
855:M6.6	Weeli Wolli Creek Riparian Vegetation	Should any monitoring site show a 25 per cent (or greater) decline in health or cover of the riparian vegetation of Weeli Wolli Creek, the proponent shall provide a report to the CEO within 21 days of the decline being identified which: 1. describes the decline; 2. provides information which allows determination of the likely root cause of the decline; and 3. if likely to be caused by activities undertaken in implementing the proposal, states the actions and associated timelines proposed to remediate the decline.	Routine environmental monitoring in accordance with the Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Brockman shall provide a report to the CEO within 21 days of the decline being identified	
855:M6.7	Weeli Wolli Creek Riparian Vegetation	The proponent shall, on approval of the CEO, implement the actions identified in condition 6-6(3) and continue to implement such actions until the CEO determines that the remedial actions may cease.	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Ongoing	
855:M7.1	Weeds	The proponent shall ensure that: 1. No new species of weeds (including both declared weeds and environmental weeds) are introduced into the proposal area as defined in schedule 1 as a result of the implementation of the proposal; 2. Prior to ground-disturbing activities the proponent shall undertake a baseline weed survey to determine the species and extent of weeds (including both declared weeds and environmental weeds) present within the proposal area as defined in schedule 1 to the requirements of the CEO; 3. Prior to ground-disturbing activities the proponent shall establish at least three reference sites on undisturbed land within one kilometre of the proposal (not impacted by the proposal). Reference sites are to be chosen in consultation with the Office of the Environmental Protection Authority. The reference sites are to be monitored every two years, with a baseline survey to be conducted at the concurrently with the survey required by condition 7-1(2); and 4. The species and extent of weed cover within the proposal area shall not exceed that identified in the baseline survey identified in condition 7-1(2) or exceed that existing on comparable, nearby land, determined by reference sites required by condition 7-1(3) which have not been disturbed during implementation of the proposal.	Environmental Monitoring Plan (including weeds) to be developed and implemented.	Environmental Monitoring Report submitted annually with the PCR.	CEO	DEC	Overall	Ongoing	
855:M8.1	Groundwater – Fortescue Marsh	The proponent shall ensure that groundwater abstraction and dewatering required to implement the proposal do not adversely impact the hydrology or vegetation health of the Fortescue Marsh.	Environmental Monitoring Plan (including Fortescue Marsh hydrology) to be developed and implemented.	Environmental Monitoring Report submitted annually with the PCR.	Min for Env	DEC	Overall	Ongoing	
855:M8.2	Groundwater – Fortescue Marsh	To verify that the requirement of condition 8-1 is met, and subject to conditions 8-3 and 8-4, the proponent shall: 1. monitor groundwater levels and quality between the mine site and the Fortescue Marsh; 2. in the event that groundwater monitoring demonstrates that drawdown associated with the proposal extends beyond the northern boundary of the tenement, the proponent shall: a. monitor surface water levels at the southern boundary of the Fortescue Marsh; and b. monitor the health and cover of vegetation on the southern boundary of the Fortescue Marsh. Note: The southern boundary of the Fortescue Marsh is defined in the Department of Environment and Conservation Clearing Regulations - Environmentally Sensitive Areas (ESA) dataset	Environmental Monitoring Plan (including Fortescue Marsh hydrology) to be developed and implemented.	Environmental Monitoring Report submitted annually with the PCR.	Min for Env	DEC	Overall	Ongoing	

AUDIT TABLE

Proposal Implementation Monitoring Section

PROJECT: Marillana Iron Ore Project, Shire of East Pilbara

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
		(2004).							
855:M8.3	Groundwater – Fortescue Marsh	The proponent shall ensure that the monitoring required by condition 8-2 is conducted in accordance with a Monitoring Plan that addresses monitoring frequency, schedule, methodology and location, developed to the satisfaction of the CEO on the advice of the Department of Environment and Conservation and the Department of Water prior to groundwater abstraction or dewatering.	Environmental Monitoring Plan (including Fortescue Marsh hydrology) to be developed and implemented.	Environmental Monitoring Report submitted annually with the PCR.	CEO	DEC, DoW	Overall	Prior to groundwater abstraction or dewatering.	
855:M8.4	Groundwater – Fortescue Marsh	The proponent shall undertake the monitoring required by condition 8-2: 1. prior to groundwater abstraction or dewatering to establish a baseline, including a baseline of the parameters required to be monitored by condition 8-2(2); and 2. for the duration of groundwater abstraction or dewatering and shall continue until the CEO determines that monitoring may cease.	Environmental Monitoring Plan (including Fortescue Marsh hydrology) to be developed and implemented.	Environmental Monitoring Report submitted annually with the PCR.	CEO		Pre-construction	Prior to groundwater abstraction or dewatering	
855:M8.5	Groundwater – Fortescue Marsh	The proponent shall, within one year of the commencement of dewatering, provide a report to the CEO which has been prepared in consultation with the Department of Environment and Conservation and the Department of Water. The report shall detail the following: 1. verification of the groundwater model presented in the <i>Marillana Iron Ore Project Public Environmental Review</i> , prepared by <i>ecologia</i> Environment, Perth, Western Australia (May, 2010) against actual data; 2. recalibration of the model and implications of any deviations from the model on the Fortescue Marsh; 3. details of baseline data on the hydrology and vegetation of the southern boundary of the Fortescue Marsh collected in accordance with condition 8-4; 4. appropriate trigger values developed to the satisfaction of the CEO on advice from the Department of Environment and Conservation to determine compliance with condition 8-1, and discussion of the selection of the trigger levels in relation to the Environmental Protection Authority's objectives; 5. a detailed strategy developed to the satisfaction of the CEO on advice from the Department of Environment and Conservation to avoid and mitigate any impacts to the Fortescue Marsh detected by the monitoring program required by condition 8-2.	Marillana Groundwater Model Review Report to be developed	Environmental Monitoring Report submitted annually with the PCR.	CEO	DEC, DoW	Pre-construction	Within one year of the commencement of dewatering	
855:M8.6	Groundwater – Fortescue Marsh	Prior to providing the report required by condition 8-5 to the CEO, the proponent shall have the report peer reviewed by an independent expert acceptable to the Office of the Environmental Protection Authority on the advice of the Department of Environment and Conservation and the Department of Water.	Marillana Groundwater Model Review Report	Independent groundwater expert engaged to review Marillana Groundwater Model Review Report	CEO	DEC, DoW	Pre-construction	Prior to providing the report required by condition 8-5	
855:M8.7	Groundwater – Fortescue Marsh	In the event that monitoring required by condition 8-2 indicates an exceedance of the trigger levels determined in condition 8-5(4): 1. the proponent shall immediately implement mitigation measures indicated by the mitigation strategy required to be developed by condition 8-5(5); 2. report to the CEO within 7 days of the exceedance being identified; 3. provide evidence which allows determination of the cause of the exceedance; 4. if determined by the CEO to be a result of activities undertaken in implementing the proposal, the proponent shall submit actions to be taken including those required to be developed by condition 8-5(5); and 5. implement actions including those required to be developed by condition 8-5(5) upon approval of the CEO on advice from the Department of Environment and Conservation and shall continue until such time the CEO determines that the remedial actions may cease.	Environmental Monitoring Plan (including Fortescue Marsh hydrology) to be developed and implemented.	Environmental Monitoring Report submitted annually with the PCR.	CEO	DEC	Overall	Report to the CEO within 7 days of the exceedance being identified	

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855:M8.8	Groundwater – Fortescue Marsh	The proponent shall submit annually the results of monitoring required by condition 8-2 to the CEO	Environmental Monitoring Plan (including Fortescue Marsh hydrology) to be developed and implemented.	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Annually submit results of monitoring within the compliance assessment report.	
855:M8.9	Groundwater – Fortescue Marsh	The proponent shall make publicly available the monitoring reports required by condition 8-2 in a manner approved by the CEO.	Annual Environmental Monitoring Report	Uploaded on to Brockman's website and copies sent to DEC Library and PIMB (OEPA).	CEO		Overall	Within 7 days of the report being submitted	
855:M9.1	Surface Water Flows	The proponent shall not cause disturbances to Weeli Wolli Creek which could lead to alterations in surface water flows to the Fortescue Marsh.	Weeli Wolli Creek vegetation mapped with 30 m "exclusion zone" for project planning.	Performance and Compliance Report.	Min for Evn		Overall	Ongoing	
855:M9.2	Surface Water Flows	The proponent shall implement the proposal in accordance with the Marillana Surface Water Management Plan (Aquaterra, 2010) provided as Appendix S of the <i>Marillana Iron Ore Project Public Environmental Review</i> , prepared by <i>ecologia</i> Environment, Perth, Western Australia (May, 2010) or subsequent revisions approved by the CEO	Internal audit of the Marillana Surface Water Management Plan	Performance and Compliance Report.	CEO		Overall	Ongoing	
855:M9.3	Surface Water Flows	The proponent shall review and revise the Marillana Surface Water Management Plan required by condition 9-1 when requested by the CEO, to ensure that the mitigation and management techniques remain valid and incorporate any relevant new research	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	when requested by the CEO	
855:M9.4	Surface Water Flows	The proponent shall make the Marillana Surface Water Management Plan required by condition 9-1 publicly available in a manner approved by the CEO	Marillana Surface Water Management Plan	Uploaded on to Brockman's website and copies sent to DEC Library and PIMB (OEPA).	CEO		Overall	Within 7 days of the report being submitted	
855:M10.1	Groundwater and Surface Water Quality	The proponent shall ensure that run-off and/or seepage from the mine and infrastructure do not cause the quality of surface water or groundwater within or adjacent to the proposal area to exceed the trigger values for a slightly to moderately disturbed ecosystem provided for in Table 3.4.2 of Chapter 3 of the Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand (2000) <i>Australian Water Quality Guidelines for Fresh and Marine Waters</i> and its updates, taking into consideration natural background water quality.	Environmental Monitoring Plan (including surface and groundwater quality) to be developed and implemented.	Environmental Monitoring Report submitted annually with the PCR.	Min for Env		Overall	Ongoing	
855:M10.2	Groundwater and Surface Water Quality	The proponent shall monitor the quality of surface water and groundwater upstream and downstream of the mine and infrastructure to ensure that the requirements of condition 10-1 are met. This monitoring is to be carried out using methods consistent with Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand (2000) <i>Australian Guidelines for Water Quality Monitoring and Reporting</i> , and its updates, and to the satisfaction of the CEO.	Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Ongoing	
855:M10.3	Groundwater and Surface Water Quality	The proponent shall commence the water quality monitoring required by condition 10-2 prior to ground-disturbing activities to collect baseline data	Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	Min for Env			Prior to ground-disturbing activities	
855:M10.4	Groundwater and Surface Water Quality	The proponent shall submit annually the results of monitoring required by condition 10-2 to the CEO.	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO			Annually submit monitoring results within the Annual Compliance Report.	
855:M10.5	Groundwater and Surface Water Quality	In the event that monitoring required by condition 10-2 indicates that the requirements of condition 10-1 are not being met, the proponent shall: 1. report such findings to the CEO within 21 days of the decline in water quality being identified; 2. provide evidence which allows determination of the root cause of the decline in water quality; and 3. if	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Report the findings within 21 days of a decline being identified	

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Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
		determined to be a result of activities undertaken in implementing the proposal, state the actions and associated timelines proposed to be taken to remediate the water quality.							
855:M10.6	Groundwater and Surface Water Quality	The proponent shall, on approval of the CEO, implement the actions identified in condition 10-5(3) and continue to implement such actions until the CEO determines that the remedial actions may cease	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Ongoing	
855:M10.7	Groundwater and Surface Water Quality	The proponent shall make the monitoring reports required by condition 10-2 publicly available in a manner approved by the CEO.	Annual Environmental Monitoring Report	Uploaded on to Brockman's website and copies sent to DEC Library and PIMB (OEPA).	CEO			Within 7 days of the report being submitted	
855:M11.1	Acid and Metalliferous Drainage	Prior to ground-disturbing activities the proponent shall use geochemical testing to characterise the leaching potential of waste material and provide a report with a detailed risk assessment, using national and international standards*, for any potential Acid or Metalliferous Drainage (as defined in section 2.1 of the Managing Acid and Metalliferous Drainage, February 2007 developed by the Australian Government) to the satisfaction of the CEO to: 1. identify the extent of the acidity or metal contamination hazard associated with the proposal; 2. identify the potential environmental receptors that could be impacted on exposure to this hazard; and 3. demonstrate that the proposed use and storage of waste material is unlikely to impact environmental values in or near the project area, including the Fortescue Marsh.	Correspondence with the OEPA	Geochemical Testwork Report submitted to the CEO	CEO		Pre-construction	Prior to ground-disturbing activities	
855:M11.2	Acid and Metalliferous Drainage	Prior to mining any material with the potential to generate Acid or Metalliferous Drainage, the proponent shall develop and implement long-term prevention, monitoring, contingency and remediation strategies for the management of any potential Acid or Metalliferous Drainage to the satisfaction of the CEO on the advice of the Department of Environment and Conservation and the Department of Mines and Petroleum.	Geochemical Testwork Report	Correspondence with the OEPA	CEO	DEC, DMP	Pre-construction	Prior to mining any material with the potential	
855:M11.3	Acid and Metalliferous Drainage	The proponent shall continue to implement the action required by condition 11-2 until such time as the CEO determines that the actions may cease.	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Ongoing	
855:M11.4	Acid and Metalliferous Drainage	The proponent shall continue to undertake geochemical testing for potential Acid or Metalliferous Drainage as part of the long-term monitoring strategies required by condition 11-2 using national and international standards* to the satisfaction of the CEO, until such time as it is determined by the CEO that monitoring may cease.	Environmental Monitoring Plan	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Ongoing	
855:M11.5	Acid and Metalliferous Drainage	In the event that monitoring required by condition 11-2 indicates that environmental values are being impacted by Acid or Metalliferous Drainage, the proponent shall: 1. report such findings to the CEO within 21 days of the decline in water quality being identified; 2. provide evidence which allows determination of the root cause of the decline in water quality; and 3. if determined to be a result of activities undertaken in implementing the proposal, state the actions and associated timelines proposed to be taken to remediate the water quality.	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Provide a report within 21 days of the decline	
855:M11.6	Acid and Metalliferous Drainage	The proponent shall, on approval of the CEO, implement the actions identified in condition 11-5(3) and continue to implement such actions until the CEO determines that the remedial actions may cease	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO		Overall	Ongoing	
855:M11.7	Acid and Metalliferous Drainage	The proponent shall make the monitoring reports required by condition 11-2 publicly available in a manner approved by the CEO	Annual Environmental Monitoring Report	Uploaded on to Brockman's website and copies sent to DEC Library and PIMB (OEPA).	CEO		Overall	Ongoing	

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Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
855:M11.8	Acid and Metalliferous Drainage	The proponent shall report the results and assessment of efficacy of the long-term prevention, monitoring, contingency and remediation strategies required by condition 11-2 as part of the compliance assessment report required by condition 4-6 to the CEO. *Note: The national and international standards referred to in condition 11 are the <i>Managing Acid and Metalliferous Drainage</i> , February 2007 developed by the Australian Government, Department of Industry Tourism and Resources, the <i>Global Acid and Metalliferous Drainage (GARD) Guide</i> , December (2008) developed by the International Network for Acid Prevention (INAP) and the Australian and New Zealand Environment Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand (2000) <i>Australian Water Guidelines for Fresh and Marine Waters and its updates</i> .	Annual Environmental Monitoring Report	Uploaded on to Brockman's website and copies sent to DEC Library and PIMB (OEPA).	CEO		Overall	Annually in the compliance assessment report.	
855:M12.1	Rehabilitation	The proponent shall undertake progressive rehabilitation over the life of the proposal to achieve the following outcomes: 1. The waste rock dumps and other final landforms shall be non-polluting and shall be constructed to ensure that their stability, surface drainage, resistance to erosion and ability to support local native vegetation are similar to undisturbed natural analogue landforms as demonstrated a methodology acceptable to the CEO; 2. Waste rock dumps and other areas disturbed through implementation of the proposal (excluding mine pits), shall be progressively rehabilitated with vegetation composed of native plant species of local provenance; 3. The percentage cover and species diversity of living self sustaining native vegetation in all rehabilitation areas shall be comparable to that of undisturbed natural analogue sites as demonstrated by a methodology acceptable to the CEO; and 4. Weed management for the rehabilitation areas shall be carried out as per condition 7.	Annual Environmental Monitoring Report	Uploaded on to Brockman's website and copies sent to DEC Library and PIMB (OEPA).	CEO		Overall	Ongoing	
855:M12.2	Rehabilitation	The proponent shall provide rehabilitation completion criteria for the approval of the CEO on advice of the Department of Environment and Conservation within five years of ground-disturbing activities for the proposal.	Correspondence with the OEPA	Environmental Monitoring Report submitted annually with the PCR.	CEO	DEC		Within five years of ground-disturbing activities for the proposal	
855:M12.3	Rehabilitation	Rehabilitation activities shall continue until such time as the requirements of conditions 12-1 and 12-2 are met, for a minimum of five years following mine completion demonstrated by inspections and reports to the satisfaction of the CEO, on advice of the Department of Mines and Petroleum.	Environmental Monitoring Report	Correspondence with the OEPA	CEO	DMP	Overall	Ongoing	
855:M13.1	Final Closure and Decommissioning Plan	At least five years prior to mine completion, the proponent shall prepare and submit a Final Closure and Decommissioning Plan to the requirements of the CEO, on advice of the Department of Environment and Conservation and Department of Mines and Petroleum.	Final Closure and Decommissioning Plan developed and submitted to DEC and DMP	Correspondence with the OEPA	CEO	DEC, DMP		At least five years prior to mine completion	
855:M13.2	Final Closure and Decommissioning Plan	The Final Closure and Decommissioning Plan shall be prepared consistent with: 1. ANZMEC/MCA (2000) <i>Strategic Framework for Mine Closure Planning</i> ; including any subsequent revisions, and 2. Department of Industry Tourism and Resources (2006) <i>Mine Closure and Completion</i> (Leading Practice Sustainable Development Program for the Mining Industry), Commonwealth Government, Canberra, including any subsequent revisions.	Final Closure and Decommissioning Plan developed and submitted to DEC and DMP	DEC and DMP will confirm Plan meets the required level of detailed information.	Min for Env	DITR	Overall	Ongoing	
855:M13.3	Final Closure and Decommissioning Plan	The Final Closure and Decommissioning Plan shall provide detailed technical information on the following: 1. The final closure of all areas disturbed through implementation of the	Final Closure and Decommissioning Plan developed and submitted to DEC and DMP	DEC and DMP will confirm Plan meets the required level of detailed information.	Min for Env		Overall	Ongoing	

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Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
		proposal ensuring that they are safe, stable and non-polluting; 2. decommissioning of all plant and equipment; 3. disposal of waste materials; 4. final rehabilitation of waste rock dumps and other areas; 5. management and monitoring following mine completion; and 6. inventory of all contaminated sites and proposed management.							
855:M13.4	Final Closure and Decommissioning Plan	The proponent shall close, decommission and rehabilitate the proposal in accordance with the Final Closure and Decommissioning Plan.	Final Closure and Decommissioning Plan	Environmental Monitoring Report submitted annually with the PCR.	Min for Env		Decommissioning	Ongoing	
855:M13.5	Final Closure and Decommissioning Plan	The proponent shall make the Final Closure and Decommissioning Plan required by condition 13-1 publicly available in a manner approved by the CEO.	Final Closure and Decommissioning Plan	Uploaded on to Brockman's website and copies sent to DEC Library and PIMB (OEPA).	CEO		Overall	Within 7 days of the report being submitted	