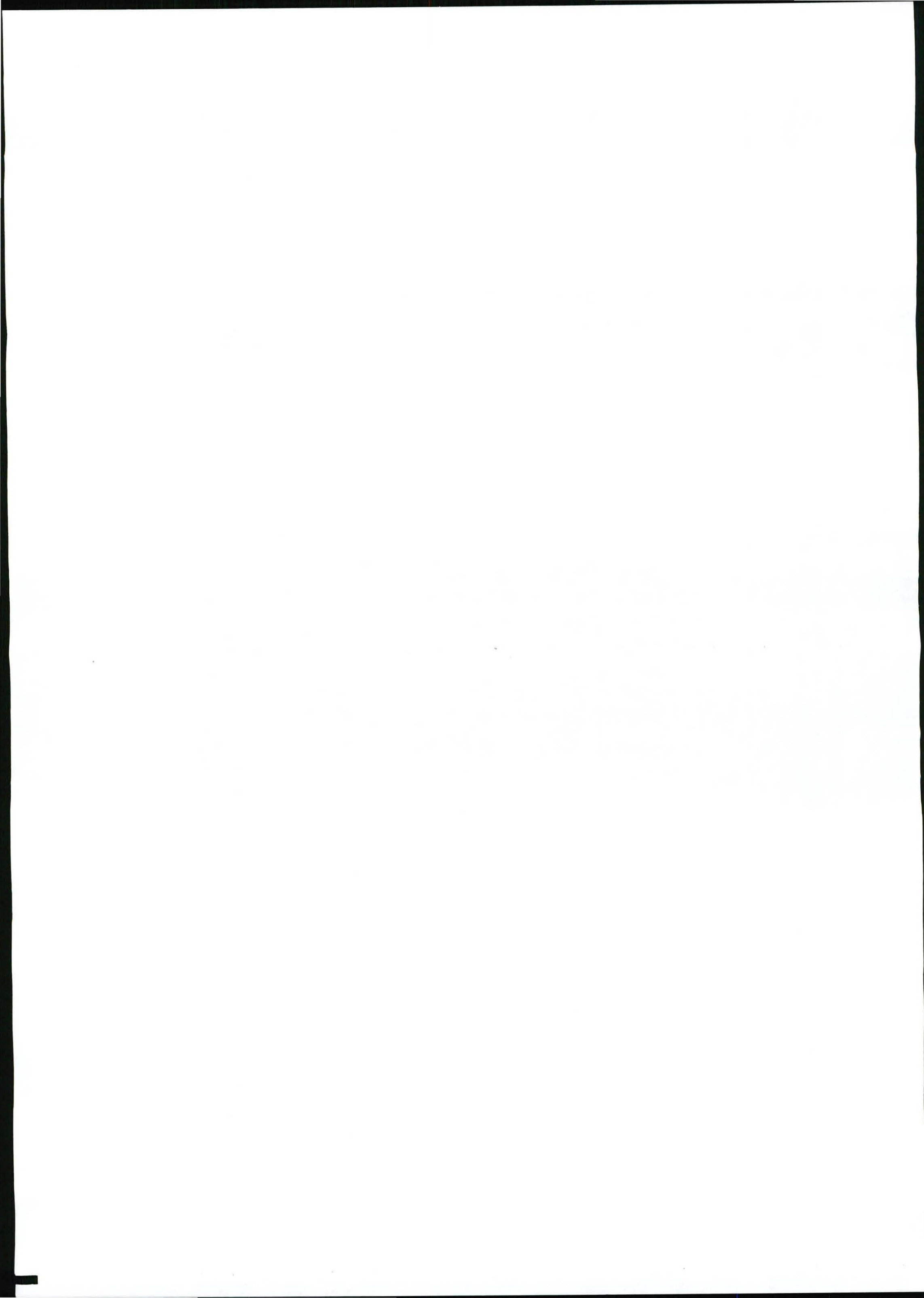


TASK No.	ENVIRONMENTAL TASK	ENVIRONMENTAL ACTION PLAN	RESPONSIBILITY	TIMEFRAME	ENVIRONMENTAL MONITORING AND CHECKING	
		<i>This Section outlines the individual actions to be taken in accomplishing the Environmental Tasks.</i>	<i>Party with overall responsibility for implementing the task</i>	<i>Timeframes for completing the task.</i>	<b>ACTION</b> <i>This indicates the actions to be taken to check whether the tasks have been implemented.</i>	<b>Responsibility</b> <i>Party responsibility for the monitoring of the task</i>
<b>9.2.1 On Receipt of New Order Mining Right</b>						
A1	Appoint an <b>Environmental Control Officer (ECO)</b>	1. Designate an ECO (on site) and appoint an External Environmental Evaluator (EEA) to conduct <u>Biannual Environmental Performance Assessments</u> as per DME's requirements.  <b>NOTE:</b> TERRECO are appointed as the EEA to undertake the DME environmental performance assessments.	Mine Owner	Immediately on receiving the new order Mining Right.		
A2	Compile an <b>Air Quality Monitoring Programme.</b>	1. Compile an <b>Air Quality Monitoring Programme.</b> <b>NOTE:</b> This has already been achieved – There is an Air Quality Monitoring Programme underway with EcoServ appointed to undertake the required monitoring and reporting.	Mine Owner, assisted by service provider (EcoServ)	Immediately on receiving the new order Mining Right.	Check that the Air Quality Monitoring Programme has been compiled and is being implemented  Conduct Biannual Performance assessments with reports to DME.	ECO <sup>7</sup>  EEA <sup>8</sup>
A3	Compile a <b>Noise Monitoring Programme</b>	1. Prepare a <b>Noise Monitoring Programme.</b> <b>NOTE:</b> This has already been achieved – There is a Noise Monitoring Programme underway with EcoServ appointed to undertake the required monitoring and reporting.	Mine Owner, assisted by service provider (EcoServ)	Immediately on receiving the new order Mining Right.	Check that the Noise Monitoring Programme has been compiled. Review and is being implemented. Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
A4	Develop a <b>Water Quality Monitoring Plan and Programme</b>	1. Compile a <b>Water Quality Monitoring Plan and Programme</b>	Mine Manager	Immediately on receiving the new order Mining Right.	Check that there is a Water Quality Monitoring Programme in place. Review and approve. Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
A5	Develop a <b>Health and Safety Plan (HSP)</b> and appoint a Health and Safety Officer	1. Develop HSP and submit to DME for approval. <b>NOTE:</b> This has already been achieved – There is an existing Health and Safety Plan in place.	Mine Owner / Mine Manager	Immediately on receiving the new order Mining Right.	Check that the HSP has been developed and approved by DME. Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
A6	Development <b>Emergency Action Plans.</b>	1. Development <b>Action Plan for Spillages.</b> 2. Development <b>Action Plan for Fire</b>  <b>NOTE:</b> The emergency action plan for Spillages has already been developed.	Mine Manager (ECO)	Immediately on receiving the new order Mining Right.	Review and approve the Actions Plans.  Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
A7	Develop detailed <b>Environmental Management Policies, Plans and Programmes for specific aspects.</b>	1. Water Conservation Policy and Plan 2. Waste Management and Minimisation Policy and Plan 3. Hazardous Waste Management Plan and Programme. 4. Dust Management Policy and Plan. 5. Noise Management Policy and Plan 6. Stormwater Management Plan 7. Alien Invader Plant Control and Eradication Policy and Plan	Mine Manager (ECO)	Immediately on receiving the new order Mining Right.	Check that Management Policies, Plans and Programmes have been compiled and accepted by DME.  Conduct Biannual Performance assessments with reports to DME.	ECO  EEA

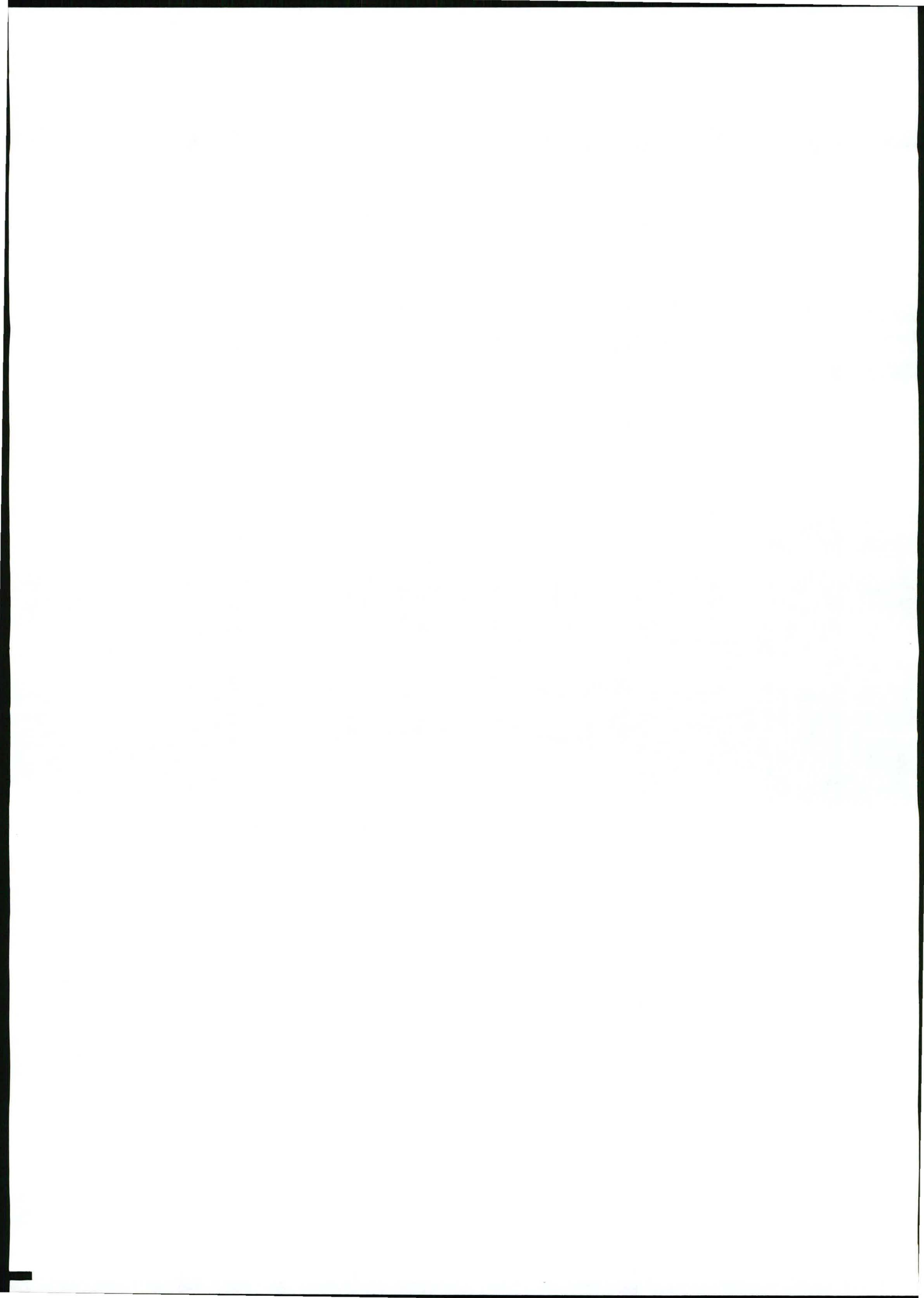
<sup>7</sup> The ECO is effectively a designated person employed fulltime by IC to co-ordinate the Environmental Programme. This could be someone with other duties (eg the Health and Safety Officer)

<sup>8</sup> The EEA (External Environmental Evaluator, is an independent suitably qualified environmental scientist contracted to conduct the biannual Environmental Performance Assessments for submission to DME.



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<b>9.2.2 Operational Phase</b>						
B1	<b>Environmental Awareness Training of Management, Staff and Subcontractors</b>	1. Design and conduct an environmental awareness training programme and training materials.	Mine Manager ECO	First 6 months of Construction Phase	Check that all staff have been through the training programme.  Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
B2	<b>Manage Interested and Affected Parties Complaints</b>	1. Establish a Complaints Register. 2. Enter all complaints and action taken into the complaints register	Mine Manager	Construction Phase	Check that Complaints Register has been established, is being maintained and action is being taken to address complaints.  Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
B3	<b>Mitigate and Minimise Environmental Impacts</b>	1. Commence with stormwater management measures (cutoff berms etc) prior to the stripping and stockpiling of any material on site. 2. Implement mitigation measures outlined in Sections 8.6.1-8.6.20.4.	Mine Manager	Construction Phase	Monitor the implementation of the environmental mitigation measures.  Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
B4	<b>Monitor Environmental Impacts.</b>	1. Conduct monitoring according to the Noise and Dust monitoring proposal. 2. Take corrective action if necessary. 3. Submit results to DME and ECO	Mine Manager (service provider)	Monthly during Construction Phase.	Check that Dust and Noise is being monitored as per the DME's requirements.  Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
B5	<b>Develop Rehabilitation Plan and Programme.</b>	1. Develop a detailed rehabilitation plan and programme for the entire operation taking into account progressive rehabilitation. 2. Refine/Reassess Financial Guarantee to be in line with rehabilitation undertaken during rehabilitation phase.	Mine Manager	Within 1 year of receiving the new order Mining Right	Check and Approve Rehabilitation Plan and Programme in the Biannual Performance Assessment.	EEA
B6	<b>Obtain all necessary permits and authorisations for new mining areas</b>	1. Identify Authorisations Required and processes to be followed; 2. Appoint necessary consultants to co-ordinate process and undertake studies; 3. Obtain all required permits, licences and authorisations prior to commencing with expansions.	Mine Manager	At least 1 year prior to expanding into new mining areas not covered in this EMPR	Check whether all necessary permits and authorisations have been obtained prior to any work commencing in new areas. This will be checked as part of the biannual performance assessments	EEA
<b>9.2.3 Mine Closure</b>						
D1	<b>Implementation of Rehabilitation Plan</b>	1. Implementation of Rehabilitation Plan indicated in Task No B5	Mine Manager	At Closure of Mining Phase	Check that Mine Rehabilitation Plan is being correctly applied.  Conduct Biannual Performance assessments with reports to DME.	ECO  EEA
D2	<b>Mitigation and Minimise Environmental Impacts during mine closure<sup>9</sup>.</b>	2. Implement mitigation measures outlined in Sections 8.6.1-8.6.20.4.	Mine Manager	At Closure of Mining Phase	Monitor the implementation of the environmental mitigation measures.  Monthly site inspections will be undertaken	EEA

<sup>9</sup> Mine closure may refer to a section of phase of the mine which has been completed and is undergoing rehabilitation and closure. It does not necessarily relate to the entire mine closure.



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					during the rehabilitation phase.  Conduct Biannual Performance assessments with reports to DME.	
D3	Application for Closure for Mine closure.	<ol style="list-style-type: none"> <li>1. Prepare Closure Plan.</li> <li>2. Prepare Environmental Risk Report</li> <li>3. Complete application form and submit to DME</li> </ol>	Mine Manager	At Closure of Mining Phase	Final Performance Assessment Report.  Check that closure application has been submitted to DME	<b>EEA</b>
<b>9.2.4 Post-Closure</b>						
E1	Monitor Rehabilitation Success	<ol style="list-style-type: none"> <li>1. Facilitate monitoring of rehabilitation success and take corrective or remedial action if necessary.</li> </ol>	Mine Manager	Post Closure of mine or mine phases.	Monitor the success of rehabilitation measures and report results to Mine Manager and to DME in a Post-Closure Performance Assessment.	<b>ECO</b>

