

ENVIRONMENTAL PROTECTION AUTHORITY
REPORT AND RECOMMENDATIONS TO THE MINISTER FOR
ENVIRONMENT

**ARGYLE DIAMOND MINE UNDERGROUND PROPOSAL – INQUIRY
UNDER SECTION 46 OF THE *ENVIRONMENTAL PROTECTION ACT 1986*
TO AMEND MINISTERIAL STATEMENT 711**

The Minister for Environment has requested that the Environmental Protection Authority (EPA) inquire into and report on the matter of changing the implementation conditions relating to the Argyle Diamond Mine Underground Project proposal.

The following is the EPA's Report and Recommendations (No. 1560) to the Minister pursuant to section 46(6) of the *Environmental Protection Act 1986*.

Background

The Argyle Diamond Mine Underground Project is to extend the life of the previous open pit mine at Argyle Diamond Mine and develop an underground diamond mine and associated infrastructure, as documented in schedule 1 of Ministerial Statement 711. The EPA assessed the proposal at the level of Environmental Protection Statement (EPS) and considered the following key environmental factors relevant to the proposal required detailed evaluation in its report and recommendations to the Minister:

- Impacts on Hydrology;
- Biodiversity – Terrestrial flora and fauna, subterranean fauna; and
- Decommissioning, Closure and Rehabilitation.

Considering the *Environmental Assessment Guideline for Environmental Principles, Factors and Objectives* (EAG 8) these factors are now represented by:

- Hydrological Processes;
- Flora and Vegetation, Terrestrial and Subterranean Fauna; and
- Rehabilitation and Closure (integrating factor).

The EPA concluded that it is likely that the EPA's environmental objectives would be achieved, provided there was satisfactory implementation by the proponent of the EPA's recommended conditions.

The Minister for Environment approved the proposal for implementation, subject to the implementation conditions of Ministerial Statement 711 (11 January 2006).

Requested changes to conditions

The proponent for the proposal, Argyle Diamonds Limited, has requested to contemporise and consolidate implementation conditions, and remove all proponent commitments of Ministerial Statement 711.

Assessment of the requested change to conditions

A summary (Tables 1 and 2) of the section 46 assessment is attached to this Report.

EPA conclusions and recommendations

Having inquired into this matter, the EPA submits the following recommendations to the Minister for Environment:

1. That, while retaining the environmental requirements of the original conditions, it is appropriate to:
 - delete implementation conditions 1 to 13 and proponent commitments 1 to 26 from Ministerial Statement 711; and
 - replace Ministerial Statement 711 with a new contemporary Ministerial Statement; and
2. That after complying with section 46(8) of the *Environmental Protection Act 1986*, the Minister issues a statement of decision to delete implementation conditions 1 to 13 and proponent commitments 1 to 26 of Ministerial Statement 711 in the manner provided for in the attached recommended statement.

MIN2013-0186

Table 1: Argyle Diamond Mine Underground Project – Section 46 assessment of proposed changes to implementation conditions of Ministerial Statement 711

Ministerial Condition	Proposed Change	Assessment and Evaluation of Proposed Changes
1 Implementation	Delete condition and replace with a consolidated contemporary style condition.	Condition 1 is deleted and replaced with a more contemporary condition 1: 1 Proposal implementation 1-1 When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Table 2 in Schedule 1, unless amendments to the proposal and authorised extent of the proposal have been approved under the <i>Environmental Protection Act 1986</i> .
2 Proponent Commitments	Delete condition.	Condition 2 relates to proponent commitments documented in Schedule 2 of Statement 711. The EPA has reviewed each proponent commitment and considers that they fall into three categories: (1) they are addressed in the updated Argyle Environmental Management Programme which consists of 10 Environmental Management Plans ¹ ; (2) are no longer relevant; or (3) managed under other legislation. For the full details of this assessment see Table 2 of this report. The EPA considers that all proponent commitments can be deleted.
3 Proponent Nomination and Contact Details	Delete condition and replace with a consolidated contemporary style condition.	This condition is still relevant and shall be retained; however, it has been updated to reflect contemporary wording and format without changing the intent. Conditions 3-1 to 3-3 are deleted and replaced with condition 2-1. 2 Contact Details 2-1 The proponent shall notify the Chief Executive Officer (CEO) of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.
4 Commencement and Time Limit of Approval	Delete condition.	This condition is no longer relevant as this proposal substantially commenced in 2006. This condition can be deleted.
5 Compliance Auditing and Performance Review	Delete condition and replace with a consolidated contemporary style	This Condition is still relevant and shall be retained; however, it has been updated to reflect contemporary wording and format without changing the intent. 3 Compliance Reporting 3-1 The proponent shall prepare, submit and maintain a Compliance Assessment Plan to the CEO

¹ Water (Groundwater and Surface Water); Acid Rock Drainage; Air Quality; Flora and Vegetation; Fauna; Mineral Waste (Tailings and Erosion); Non Mineral Waste; Hazardous Waste Materials and Contamination Control; Weed Management; and Noise and vibration Management Plans.

Ministerial Condition	Proposed Change	Assessment and Evaluation of Proposed Changes
	condition.	<p>at least six (6) months prior to the Compliance Assessment Report required by condition 3-6.</p> <p>3-2 The Compliance Assessment Plan shall indicate:</p> <ol style="list-style-type: none"> (1) the frequency of compliance reporting; (2) the approach and timing of compliance assessment; (3) the retention of compliance assessment; (4) the method of reporting of potential non-compliances and corrective actions taken; (5) the table of contents of Compliance Assessment Reports; and (6) public availability of Compliance Assessment Reports. <p>3-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 3-2 the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 3-1.</p> <p>3-4 The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 3-1 and shall make those reports available when requested by the CEO.</p> <p>3-5 The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.</p> <p>3-6 The proponent shall submit to the CEO the Compliance Assessment Reports addressing compliance in the previous calendar year. The first Compliance Assessment Report shall be submitted twelve (12) months from the date of issue of this Statement and then annually, or as agreed in writing by the CEO.</p> <p>The Compliance Assessment Report shall:</p> <ol style="list-style-type: none"> (1) be endorsed by the proponent's chief executive officer or a person delegated to sign on the chief executive officer'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 3-1.
New condition 4 Public Availability of Plans and Reports	Add new condition	<p>This condition is added to the new Ministerial Statement in accordance with "standard administrative procedures" developed by the OEPA to streamline the Administrative Implementation Conditions in Ministerial Statements.</p> <p>4 Public Availability of Plans and Reports</p>

Ministerial Condition	Proposed Change	Assessment and Evaluation of Proposed Changes
		<p>4-1 Subject to condition 4-2, within a reasonable time period approved by the CEO of the issue of this Statement and for the remainder of the life of the proposal, the proponent shall make publicly available, in a manner approved by the CEO, all environmental plans and reports required under this Statement.</p> <p>4-2 if any parts of the plans and reports referred to in condition 4-1 contains particulars of:</p> <ul style="list-style-type: none"> (1) a secret formula or process; or (2) confidential commercially sensitive information; <p>the proponent may submit a request for approval from the CEO to not make those parts of the plans and reports publicly available. In making such a request the proponent shall provide the CEO with an explanation and reason why those parts of the plans or reports should not be made publicly available.</p>
<p>New condition 5 Argyle Diamond Environmental Management Programme</p>	<p>Add new condition</p>	<p>This new condition has been included to address a number of proponent commitments and implementation conditions relating to Environmental Management Plans that are being removed from Ministerial Statement 711. These Plans are to be incorporated into an overall Environmental Management Programme.</p> <p>Any reference to “Underground Environmental Management Plan” is removed as all Argyle’s Management Plans cover both surface operations and the underground project so the requirements for these two plans for each operation are incorporated in one document.</p> <p>5 Argyle Diamond Environmental Management Programme</p> <p>5-1 The proponent shall update the Argyle Diamond Environmental Management Programme, to the requirements of the CEO, within six (6) months of the issue date of this Statement. The Environmental Management Programme shall consist of the following Environmental Management Plans:</p> <ul style="list-style-type: none"> - Water (Groundwater and Surface Water); - Acid Rock Drainage; - Air Quality; - Flora and Vegetation; - Fauna (Terrestrial, Subterranean and Aquatic); - Mineral Waste (Tailings and Erosion); - Non Mineral Waste; - Hazardous Waste Materials and Contamination Control; - Weed Management; and - Noise and Vibration. <p>Each Environmental Management Plan shall include:</p>

Ministerial Condition	Proposed Change	Assessment and Evaluation of Proposed Changes
		<ul style="list-style-type: none"> i. the specific environmental objectives and criteria for each environmental factor; ii. the management measures to be applied to avoid and minimise the environmental impacts of the proposal; iii. monitoring methods to measure the performance of management actions against trigger criteria and threshold criteria; and iv. trigger level management actions and contingency actions to mitigate impacts. <p>5-2 The proponent shall implement the most recent approved Argyle Diamond Environmental Management Programme and continue implementation until otherwise agreed by the CEO.</p> <p>5-3 Revisions to the Argyle Diamond Environmental Management Programme may be approved by the CEO.</p> <p>5-4 The proponent shall implement the most recent revisions of the Argyle Diamond Environmental Management Programme required by condition 5-1.</p>
6 Groundwater	Delete conditions.	Conditions 6-1 to 6-3 and 7-1 to 7-3 are deleted as they are addressed by the Water Management Plan (Groundwater and Surface Water) required by the Argyle Diamonds Environmental Management Programme (proposed condition 5).
7 Surface Water		
8 Wesley Springs Management Plan	Delete condition and replace with a consolidated contemporary style condition.	<p>Conditions 8-1 to 8-4 are deleted and replaced with conditions 6-1 to 6-4.</p> <p>The reference to Water and Rivers Commission has been removed from condition 8-1 and bullet point (5) of condition 8-2.</p> <p>The reference to <i>Argyle Underground Environmental Management Plan</i> has also been removed, as the Wesley Springs Management Plan covers both surface operations and the underground project so the requirements for these two plans are consolidated in one document.</p> <p>6 Wesley Springs Management Plan</p> <p>6-1 The objective of the Wesley Springs Management Plan is to ensure the proposal is implemented in a manner such that the integrity of surface water ecosystems (flow regimes, water quality and ecosystem health) are maintained.</p> <p>6-2 The proponent shall update the Wesley Springs Management Plan, in consultation with the Department of Water, to the requirements of the CEO, within 12 months of the date of issue of this Statement to demonstrate the requirements of condition 6-1 have been met.</p> <p>6-3 The updated version of the Wesley Springs Management Plan shall include the following measures:</p> <ul style="list-style-type: none"> (1) a response strategy, including appropriate response actions, in the event that condition 6-1 has not been met; (2) a risk assessment of potential unacceptable impacts of the proposal on Wesley Springs; (3) an update of existing mathematical models of the proposal's potential impacts on Wesley

Ministerial Condition	Proposed Change	Assessment and Evaluation of Proposed Changes
		<p>Springs; and (4) trigger levels for commencement of the response strategy referred to in condition 6-3(1) in the event of unacceptable environmental impacts of the proposal on Wesley Springs. 6-4 The proponent shall implement the most recent approved Wesley Springs Management Plan and continue implementation until otherwise agreed by the CEO. 6-5 Revisions to the Wesley Springs Management Plan may be approved by the CEO. 6-6 The proponent shall implement the most recent approved revisions of the Wesley Springs Management Plan required by condition 6-1.</p>
9 Flora and Vegetation	Delete condition.	Conditions 9-1 to 9-3 are deleted as they are addressed by the Flora and Vegetation Management Plan required by proposed condition 5 (Environmental Management Programme).
10 Weed Management	Delete condition.	Conditions 10-1 to 10-3 are deleted as the requirements for a Weed Management Plan are addressed by proposed condition 5.
11 Terrestrial Fauna	Delete condition.	Conditions 11-1 to 11-3 are deleted as the requirements for a Terrestrial Fauna Management Plan are addressed in the Fauna Management Plan required by proposed condition 5.
12 Subterranean Fauna	Delete condition.	Conditions 12-1 to 12-3 are deleted as their content is addressed by the Fauna Management Plan required by proposed condition 5.
13 Decommissioning, Closure and Rehabilitation	Delete condition and replace with a consolidated contemporary style condition.	<p>The requirements of this condition are still relevant, and will be retained but expressed in contemporary wording and format without changing the intent. Conditions 13-1 to 13-6 are deleted and replaced by conditions 7-1 to 7-5.</p> <p>7 Rehabilitation and Decommissioning</p> <p>7-1 The proponent shall ensure that the mine is decommissioned and rehabilitated in an ecologically sustainable manner.</p> <p>7-2 The proponent shall implement the proposal in accordance with the “<i>Argyle Diamond Mine Closure Plan, Argyle Diamonds Limited, December 2014</i>”, or subsequent revisions approved by the CEO.</p> <p>7-3 The Mine Closure Plan required by condition 7-2, and its subsequent revisions, shall:</p> <ol style="list-style-type: none"> (1) when implemented, manage the implementation of the proposal to meet the requirements of condition 7-1; (2) be prepared in accordance with the <i>Guidelines for Preparing Mine Closure Plans, May 2015</i> (Department of Mines and Petroleum and Environmental Protection Authority) or its revisions; and (3) be prepared to the requirements of the CEO on advice of the Department of Mines and Petroleum.

Ministerial Condition	Proposed Change	Assessment and Evaluation of Proposed Changes
		7-4 The proponent shall implement the most recent approved revisions of the Mine Closure Plan required by condition 7-2.
Procedures	Delete Procedures.	This section is deleted in accordance with “standard administrative procedures” which have been developed by the Office of the Environmental Protection Authority to streamline the Administrative Implementation Conditions in Ministerial Statements.
Notes	Delete Notes	Notes 1 to 3 are deleted in accordance with “standard administrative procedures” which have been developed by the Office of the Environmental Protection Authority to streamline the Administrative Implementation Conditions in Ministerial Statements.

Table 2: Argyle Diamond Mine Underground Project – Section 46 assessment of proposed changes to proponent commitments of Ministerial Statement 711

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
Area of Disturbance	1.1 Ensure that the area of disturbance for the Project is minimised.	Project Infrastructure has been established. Any further disturbance is addressed through Department of Mines and Petroleum (DMP) Permits to Clear Native Vegetation; Land Use the Management Plan, and Indigenous Land Use Agreement (ILUA). This commitment can be deleted.
Groundwater	2.1 The Devil Devil Springs Management Plan prepared and agreed with Traditional Owners in conjunction with the Indigenous Land Use Agreement, will be implemented. 2.2 The groundwater monitoring programme conducted on the site will be continued and expanded. 2.3 Monitoring results will be provided to Traditional Owners (via the Relationship Committee), regulatory authorities in the Annual Environmental Report and will be made publicly available.	Commitment 2.1 is being managed under Part V of the EP Act via the site Operating Licence (L4459/1987/13), and the following Surface Water Licences pursuant to the <i>Rights in Water and Irrigation Act 1914</i> : - SWL151367 (Abstraction from Lake Argyle); and - SWL170822 (Abstraction from Gap and Jacko’s Dams). Devil Devil Springs management is managed under Argyle Diamond’s ILUA. Commitment 2.2 is being managed under Part V of the EP Act via the Site Operating Licence (L4459/1987/13) and the Groundwater Licence GWL74139 (combined dewatering from open pit and underground mining operations). Commitment 2.3 is addressed by the ILUA.

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
Dewatering Discharge	3.1 Handle and manage the dewatering discharge as described in the Groundwater Management Plan for the Underground Project submitted to the regulatory authorities.	<p>Commitments 2.1 to 2.3 can be deleted.</p> <p>Dewatering discharge is being managed in accordance with Part V of the EP Act via the Site Operating Licence (L4459/1987/13), Water Management Plan and Department of Water's Groundwater Licence: GWL74139.</p> <p>This commitment can be deleted.</p>
Surface Hydrology	<p>4.1 Surface water management infrastructure will be established to manage surface water flows in the Project Area.</p> <p>4.2 The Surface Water Management Plan, submitted to the regulatory authorities, will be implemented.</p> <p>4.3 The surface water monitoring conducted at the same time will continue and will be expanded.</p> <p>4.4 The results of the surface water monitoring will be provided to Traditional Owners (via the Relationship Committee), the regulatory authorities in the Annual Environmental Report, and also made publicly available.</p>	<p>This commitment is being managed by Part V of the EP Act via the site Operating Licence (L4459/1987/13); Water Management Plan (as part of proposed Condition 5) and (ILUA).</p> <p>Commitments 4.1 to 4.4 can be deleted.</p>
Acid Rock Drainage and Magnesium Sulfate Generation	<p>5.1 The Acid Rock Drainage (ARD) Management Plan, submitted to the regulatory authorities, will be implemented.</p> <p>5.2 All waste rock material to be removed from the underground mine will be characterised for its ARD potential. Any acid-forming material will be identified and managed in accordance with the ARD Management Plan.</p> <p>5.3 Ensure that seepage water and rainfall infiltration entering the underground mine is collected and regularly analysed, and pumped to the process water storage areas.</p> <p>5.4 Place any potentially acid-forming waste rock material removed during the development of the underground mine into dedicated areas of</p>	<p>Acid Rock Drainage (ARD) and Magnesium Sulfate Generation are being managed under Part V of the EP Act via the site Operating Licence (L4459/1987/13); and the Acid Rock Drainage Management Plan and Water Management Plan required by the Argyle Diamonds Environmental Management Programme (proposed condition 5).</p> <p>Commitments 5.1 to 5.8 can be deleted.</p>

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
	<p>the waste rock dumps and isolate the material by the use of appropriate cover systems.</p> <p>5.5 Investigate and implement surface water drainage measures, which are agreed by the regulatory authorities, in the waste rock dump design in order to manage rainfall runoff, infiltration and the quality of surface and sub-surface drainage.</p> <p>5.6 Characterise all material to be processed from the underground mine for its ARD potential.</p> <p>5.7 Monitor the groundwater, surface water, tailings, water storage dams and seepage to determine if any products of ARD are being generated.</p> <p>5.8 Results of the monitoring will be provided to Traditional Owners (via the Relationship Committee), regulatory authorities in the Annual Environmental Reports, and will be made publicly available.</p>	
Air Emissions	6.1 Position discharge vents from the underground mine downwards into a collection pond.	<p>This commitment is being managed under Part V of the EP Act via the site Operating Licence (L4459/1987/13), and Air Quality Management Plan (required by proposed condition 5).</p> <p>This commitment can be deleted.</p>
Dust	<p>7.1 The Dust Management Plan submitted to the regulatory authorities will be implemented.</p> <p>7.2 The dust monitoring programme at the site will continue and may be expanded to include the area near the tailings storage facilities.</p> <p>7.3 Dust monitoring results will be provided to the regulatory authorities in the Annual Environmental Report.</p>	<p>Dust management and monitoring are being managed under Part V of the EP Act via the Site Operating Licence (L4459/1987/13), and Air Quality Management Plan (required by proposed condition 5).</p> <p>Commitments 7.1 to 7.3 can be deleted.</p>
Greenhouse Gas Emissions	8.1 The Greenhouse Gas Emissions Management Plan, submitted to the regulatory authorities, will be implemented.	<p>Commitment 8.1 can be deleted due to the followings:</p> <ul style="list-style-type: none"> - Argyle participates in the Australian Government's <i>National</i>

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
	8.2 Greenhouse Gas emissions will be calculated and reported under the National Greenhouse Challenge Programme (by Rio Tinto).	<p><i>Greenhouse and Energy Reporting Act 2007</i> (NGER Act)² and the <i>National Pollutant Inventory</i> (NPI) schemes to monitor and externally report on air emissions.</p> <ul style="list-style-type: none"> - Argyle's internal Greenhouse Gas Management Plan provides controls to ensure gas emissions do not negatively affect environmental values, employees or surrounding land users. <p>Commitment 8.2 no longer applies as the National Greenhouse Challenge Programme is no longer operating.</p> <p>These commitments can be deleted.</p>
Radiation	<p>9.1 Develop and implement a radiation monitoring programme, which will be submitted to the Department of Consumer and Employment Protection, for those working in the underground mine.</p> <p>9.2 Report the results of the radiation monitoring to the Department of Consumer and Employment Protection on a 12-monthly basis, if required.</p>	<p>A radon monitoring programme was carried out in 2007, and submitted to the Department of Mines and Petroleum (DMP). DMP concluded that as a Radiation Management Plan has not previously been developed, based on the finding of the study, a Radiation Management Plan is not required. Results of radiation monitoring, therefore, have not been reported to the DMP on an annual basis. Ongoing management of radiation will be through the Air Quality Management Plan.</p> <p>Commitments 9.1 and 9.2 can be deleted.</p>
Noise	10.1 Noise sources will be identified, evaluated, prioritised and managed.	<p>Noise is managed by the Noise and Vibration Management Plan (as required by proposed condition 5). As the nearest community is 30km away from the mine, noise impacts are considered to be negligible.</p> <p>This commitment can be deleted.</p>
Flora and Vegetation	<p>11.1 The vegetation monitoring programme undertaken on the site will continue and will be expanded to include additional monitoring sites which will allow impacts associated with changes groundwater flow to be assessed.</p> <p>11.2 Vegetation monitoring results will be provided to the regulatory authorities in the Annual Environmental Report.</p>	<p>Flora and Vegetation monitoring will be managed by the Flora and Vegetation Management Plan, Weed Management Plan (both required by proposed condition 5), Indigenous Land Use Agreement (ILUA), DMP's Permits to Clear Native Vegetation and site Operating Licence (L4459/1987/13) required under Part V of the EP Act.</p> <p>Commitments 11.1 and 11.2 can be deleted.</p>

² To comply with provisions of the NGER Act, from 1 July 2008 a registered corporation is required to report the amount of greenhouse gas emissions and energy produced or consumed by facilities under the operational control of its group members during a reporting year.

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
Terrestrial Fauna	12.1 The feral cat control programme at the site will continue as required.	Terrestrial Fauna will be managed by the Fauna Management Plan (required by proposed condition 5). This commitment can be deleted.
Aquatic Biota	13.1 Undertake eco-toxicological studies on the impacts of magnesium and sulphate ions on aquatic biota. 13.2 The results of any aquatic biota studies will be provided to the regulatory authorities in the relevant year Annual Environmental Report. 13.3 The fish and macro-invertebrate monitoring programme on the Lease Area will be regularly assessed, and continued.	The eco-toxicological studies have been completed. The Fauna Management Plan required by proposed condition 5 will adequately address the continuous monitoring of fish and macro-invertebrates. Commitments 13.1 to 13.3 can be deleted.
Erosion	14.1 The erosion management measures presented in the Erosion Management Plan submitted to the regulatory authorities will be implemented. 14.2 Undertake erosion modelling on the waste rock dumps and rehabilitation areas.	Erosion will be managed by the Mineral Waste Management Plan (required by proposed condition 5). The Argyle Mine Closure Plan required by Condition 7-2 of the new Statement will specify actions to minimise erosion of final landforms, in accordance with the <i>Guidelines for Preparing Mine Closure Plans, May 2015</i> (Department of Mines and Petroleum and Environmental Protection Authority), or its revisions. Commitments 14.1 and 14.2 can be deleted.
Waste Rock	15.1 The Waste Rock Dump Management Plan developed for the waste rock removed from the underground mine, submitted to the regulatory authorities, will be implemented.	Waste Rock will be managed by the Mineral Waste Management Plan (required by proposed Condition 5). This commitment can be deleted.
Tailings	16.1 Construct and operate the new Tailings Storage Facility as per the Design Report submitted to the Department of Industry and Resources. 16.2 The Tailings Management Plan, submitted to the regulatory authorities, will be implemented for the management of the tailings generated by the project.	Tailing will be managed by the Mineral Waste Management Plan (required by proposed condition 5). Commitments 16.1 and 16.2 can be deleted.

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
Process Wastewater	17.1 Handle and manage the process wastewater generated by the Project as described in the Surface Water Management Plan submitted to the regulatory authorities.	Process Wastewater will be managed by the EP Act Part V site Operating Licence (L4459/1987/13) and Water Management Plan (required by proposed Condition 5). This commitment can be deleted.
General Waste	18.1 General waste generated will be disposed of in accordance with the Non-Mineral Waste Management Plan, submitted to the regulatory authorities. 18.2 The waste recycling programme undertaken on site will continue for the Project.	General Waste will be managed through the EP Act Part V site Operating Licence (L4459/1987/13) and Non-Mineral Waste Management Plan (under proposed condition 5). Commitments 18.1 and 18.2 can be deleted.
Sewage	19.1 Sewage will be managed at the site in accordance with the Non-Mineral Waste Management Plan prepared for the Project, and submitted to regulatory authorities.	Sewage will be managed through the EP Act Part V site Operating Licence (L4459/1987/13). This commitment can be deleted.
Hydrocarbon	20.1 The measures presented for hydrocarbon management in the Hazardous Materials Management Plan, submitted to regulatory authorities, will be implemented.	Hydrocarbons will be managed under EP Act Part V Site Operating Licence (L4459/1987/13), and the Hazardous Waste Materials and Contamination Control Management Plan (proposed condition 5). This commitment can be deleted.
Hazardous Materials	21.1 The Hazardous Materials Management Plan, submitted to regulatory authorities, will be implemented.	Hazardous Materials will be managed under the EP Act Part V site Operating Licence (L4459/1987/13). The Department of Mines and Petroleum also manages hazardous material under the <i>Dangerous Goods Safety Act 2004</i> (WA) and associated <i>Dangerous Goods Safety Regulations 2007</i> (WA). This commitment can be deleted.
Site Contamination	22.1 Apply the management measures described in the Environmental Management Plan, submitted to regulatory authorities, to minimise the risks of contamination due to the Project.	This commitment will be managed through EP Act Part V Site Operating Licence (L4459/1987/13). This commitment can be deleted.
Crater Formation	23.1 As the crater forms, its shape will be surveyed and the actual profile will be compared with the crater modelling predictions.	Commitments 23.1 and 23.2 are addressed by the Water Management Plan (as part of proposed condition 5). Commitment 23.3 is addressed by proposed condition 7, Rehabilitation

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
	<p>23.2 Water levels and quality in the groundwater surrounding the underground mine and crater area will be monitored during the crater formation process.</p> <p>23.3 Restrict people access to the crater area and erect fencing, where appropriate, and signage around the crater area.</p>	<p>and Decommissioning, and the Mineral Waste Management Plan (proposed condition 5).</p> <p>Commitments 23.1 to 23.3 can be deleted.</p>
Health, Safety and Risk	24.1 A Project Management Plan will be prepared and submitted to the Department of Industry and Resources	<p>Health, Safety and Risk are managed by the Department of Mines and Petroleum (DMP).</p> <p>This Commitment can be deleted.</p>
Rehabilitation	<p>25.1 Site specific completion criteria will be developed together with regulatory authorities and other stakeholders and will be included in the Rehabilitation and Closure Plan.</p> <p>25.2 Indicators required to monitor the ecosystem function will be selected in conjunction with the regulatory authorities.</p> <p>25.3 Investigate the use of Ecosystem Function Analysis as a measure for developing completion criteria and for the assessment of rehabilitation.</p> <p>25.4 Develop appropriate vegetation completion criteria together with the regulatory authorities.</p> <p>25.5 Develop, together with the regulatory authorities, appropriate completion criteria for assessing fauna return to rehabilitated areas.</p> <p>25.6 Studies will be implemented to determine acceptable water quality criteria which do not permit adverse environmental impacts.</p> <p>25.7 Water quality criteria will be agreed with the regulatory authorities.</p> <p>25.8 Conduct studies to determine the appropriate</p>	<p>This commitment is managed through the Argyle Diamond Mine Closure Plan (December 2014) drafted in accordance with the <i>Guidelines for Preparing Mine Closure Plans, May 2015</i>. This Plan includes provisions to implement current best practice rehabilitation at the Argyle Diamond Mine, consistent with post mining land use.</p> <p>Commitments 25.1 to 25.17 can be deleted.</p>

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
	<p>local seed mix and rates. The results will be applied to revise the Rehabilitation Plan submitted to the regulatory authorities.</p> <p>25.9 Revegetation trials will be conducted on areas disturbed by mining activities including the waste rock dumps and tailings storage facilities.</p> <p>25.10 Results of the rehabilitation trials will be provided to the regulatory authorities in the Annual Environmental Report and will also be used to revise the Rehabilitation Plan and programme.</p> <p>25.11 Develop and implement a rehabilitation monitoring programme which will assess progress against the agreed completion criteria.</p> <p>25.12 The results of the monitoring programme will be provided to the regulatory authorities in the Annual Environmental Report.</p> <p>25.13 Rehabilitation trials will be undertaken on the waste rock dumps to assess various treatments and designs. Apply the results, once obtained, in the development of a detailed Rehabilitation Plan of the waste rock dumps to be submitted to the regulatory authorities.</p> <p>25.14 Ensure that progressive rehabilitation is undertaken on areas of the waste rock dumps identified as being completed.</p> <p>25.15 Rehabilitation will be undertaken on the waste rock dumps to ensure that the resulting landforms are safe, stable, minimal eroding, non-polluting, and will conform with the surrounding landscape.</p> <p>25.16 Rehabilitation trials will be undertaken on</p>	

Commitment	Proponent Commitment	Assessment and Evaluation of Proposed Changes
	<p>tailings storage facility to assess various methods and treatment for vegetation. Apply the results, once obtained, in the development of a detailed Rehabilitation Plan for the tailings storage facilities to be submitted to the regulatory authorities.</p> <p>25.17 Rehabilitation will be undertaken on the tailings storage facility to ensure that the resulting landforms are safe, stable, minimal eroding, non-polluting, and will conform to the surrounding landscape.</p>	
Decommissioning and Closure	26.1 The Decommissioning and Closure Plan for the Underground Project and submitted to the regulatory authorities will be regularly revised and submitted to the regulatory authorities.	<p>This commitment will be managed through Argyle's Mine Closure Plan (December 2014) as required by proposed implementation Condition 7 of the new Ministerial Statement.</p> <p>This Commitment can be deleted.</p>