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Published on 3 October 2008

Statement No.

000775

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

**PARDOO IRON ORE MINE & DIRECT SHIPPING FROM PORT HEDLAND
SHIRE OF EAST PILBARA & TOWN OF PORT HEDLAND**

Proposal: The proposal is to develop and operate a direct shipping iron ore project in the Pilbara. The project involves the open-cut mining of eight small pits approximately 70 kilometres east of Port Hedland to obtain direct shipping ore quality haematite. Annual ore production will be 1.5 million tonnes.

Proponent: Atlas Iron Limited

Proponent Address: 10 Richardson Street, WEST PERTH WA 6005

Assessment Number: 1685

Report of the Environmental Protection Authority: Bulletin 1289

Minister's appeal determination: 051 of 2008

The proposal referred to in the above report of the Environmental Protection Authority may be implemented. The implementation of that proposal is subject to the following conditions and procedures:

1 Proposal Implementation

1-1 The proponent shall implement the proposal as assessed by the Environmental Protection Authority and described in schedule 1 of this statement subject to the conditions and procedures of this statement.

Published on

2 Proponent Nomination and Contact Details

- 2-1 The proponent for the time being nominated by the Minister for the Environment under sections 38(6) or 38(7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal.
- 2-2 The proponent shall notify the Chief Executive Officer (CEO) of the Department of Environment and Conservation 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.

3 Time Limit of Authorisation

- 3-1 The authorisation to implement the proposal provided for in this statement shall lapse and be void within five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.
- 3-2 The proponent shall provide the CEO of the Department of Environment and Conservation 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.

4 Compliance Reporting

- 4-1 The proponent shall submit to the CEO of the Department of Environment and Conservation environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO of the Department of Environment and Conservation to report more frequently.
- 4-2 The environmental compliance reports shall address each element of an audit program approved by the CEO of the Department of Environment and Conservation and shall be prepared and submitted in a format acceptable to the CEO of the Department of Environment and Conservation.
- 4-3 The environmental compliance reports shall:
 - 1 be endorsed by signature of the proponent's chief executive officer or a person, approved in writing by the CEO of the Department of Environment and Conservation, delegated to sign on behalf of the proponent's chief executive officer;
 - 2 state whether the proponent has complied with each condition and procedure contained in this statement;
 - 3 provide verifiable evidence of compliance with each condition and procedure contained in this statement;
 - 4 state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;

- 5 provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;
 - 6 identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance;
 - 7 review the effectiveness of all corrective and preventative actions taken; and
 - 8 describe the state of implementation of the proposal.
- 4-4 The proponent shall make the environmental compliance reports required by condition 4-1 publicly available in a manner approved by the CEO of the Department of Environment and Conservation.

5 Performance Review and Reporting

- 5-1 The proponent shall submit to the CEO of the Department of Environment and Conservation Performance Review Reports at the conclusion of the first, second, fourth and sixth years after the start of production and then, at such intervals as the CEO of the Department of Environment and Conservation may regard as reasonable, which address:
- 1 the major environmental risks and impacts; the performance objectives, standards and criteria related to these; the success of risk reduction/impact mitigation measures and results of monitoring related to the management of the major risks and impacts;
 - 2 the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable; and
 - 3 significant improvements gained in environmental management which could be applied to this and other similar projects.

6 Surface Water and Groundwater

- 6-1 The proponent shall ensure that the dewater discharge does not cause the quality of surface or ground water in or leaving the proposal area to exceed ANZECC* requirements, taking into consideration natural background water quality, so that existing and potential uses, including ecosystem maintenance, are protected.
*- *Australian Water Quality Guidelines for Fresh and Marine Waters*, ANZECC (November 1992, and its updates).
- 6-2 The proponent shall monitor, in liaison with the Department of Environment and Conservation, the quality of any dewatering discharge to surface and ground water on and in proximity to the project area shown in Figure 1 of Schedule 1. This monitoring is to be done to the satisfaction of the CEO of the Department of Environment and Conservation.

- 6-3 The proponent shall submit the results of monitoring referred to in condition 6-2 to the CEO of the Department of Environment and Conservation.
- 6-4 The proponent shall provide proposed management measures to the CEO of the Department of Environment and Conservation in the event that the requirements of condition 6-1 are not met or are not likely to be met.
- 6-5 The proponent shall implement the proposed management measures required by condition 6-4 to the satisfaction of the CEO of the Department of Environment and Conservation.

7 Flora and Vegetation

- 7-1 In implementing the proposal, the proponent shall ensure that priority flora outside the pit infrastructure areas shown in Figure 1 of Schedule 1 are not impacted by the proposal.
- 7-2 In implementing the proposal, the proponent shall ensure that no more than 10% of priority flora within the two dewater discharge saturation zones of 14 and 10 hectares is lost.
- 7-3 The proponent shall monitor, in liaison with the Department of Environment and Conservation, priority flora and vegetation in the proposal area and down-gradient of dewatering discharge to detect any impact of the proposal on priority flora species and vegetation. This monitoring is to be carried out to the satisfaction of the CEO of the Department of Environment and Conservation.
- 7-4 The proponent shall submit the results of monitoring referred to in condition 7-3 to the CEO of the Department of Environment and Conservation at times determined by the CEO of the Department of Environment and Conservation.
- 7-5 The proponent shall immediately provide proposed management measures to the CEO of the Department of Environment and Conservation in the event that the requirements of condition 7-1 and 7-2 are not met or are not likely to be met.

8 Subterranean Fauna

- 8-1 Prior to commencement of operations within the South Limb deposit, the proponent shall have demonstrated the presence of the troglobitic species *Ideoblothrus* n. sp. in an area outside the mining footprint, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

9 Aboriginal Heritage

- 9-1 Prior to commencement of ground disturbance activities, the proponent shall prepare an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in this condition.

- 9-2 The proponent shall consult with the Department for Indigenous Affairs in the preparation of the Plan.
- 9-3 The objectives of the Plan are to ensure that changes to the biological and physical environment arising from the implementation of the proposal do not adversely affect Aboriginal cultural heritage values, through:
1. Identifying Aboriginal heritage sites;
 2. Identifying potential impacts;
 3. Identifying and implementing appropriate management measures in consultation with the Ngarla people; and
 4. Informing all project stakeholders of their obligations.
- 9-4 The proponent shall implement the Aboriginal Cultural Heritage Management Plan.

10 Closure / Decommissioning and Rehabilitation

- 10-1 Prior to the commencement of productive mining, the proponent shall conduct surveys of the proposal area to collect baseline information on the following:
1. pre-mining soil profiles;
 2. groundwater levels;
 3. surface water flows;
 4. vegetation complexes; and
 5. landscape and landforms.
- 10-2 As mining progresses, the proponent shall commence rehabilitation of the mine site area in accordance with the following:
1. Re-establishment of vegetation in the rehabilitation area to be comparable with that of the pre-mining vegetation such that the following criteria are met within four years following the cessation of productive mining:
 - (1) flora and vegetation are re-established with not less than 70 percent coverage (not including weed species); and
 - (2) weed coverage less than 10 percent.
 2. A schedule of rate of rehabilitation acceptable to the CEO of the Department of Environment and Conservation.
- 10-3 The proponent shall ensure that the final pit lakes do not cause significant environmental impacts arising from groundwater pollution or through attracting native fauna which may subsequently be harmed or fauna which may harm surrounding native vegetation.

- 10-4 In liaison with the Department of Environment and Conservation, the proponent shall monitor progressively the performance of rehabilitation against the criteria in condition 10-2 based on annual reporting.
- 10-5 The proponent shall submit annually a report of the rehabilitation performance monitoring required by condition 10-4 to the CEO of the Department of Environment and Conservation.

Procedures

1. Where a condition states “on advice of the Environmental Protection Authority”, the Environmental Protection Authority will provide that advice to the Department of Environment and Conservation for the preparation of written notice to the proponent.
2. The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice to the Department of Environment and Conservation.
3. The Minister for the Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment and Conservation over the fulfillment of the requirements of the conditions.
4. Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment and Conservation.
5. The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the *Environmental Protection Act 1986*.

Hon Donna Faragher JP MLC
MINISTER FOR ENVIRONMENT; YOUTH

Schedule 1

The Proposal (Assessment No. 1685)

General Description

The proposal is to develop and operate a direct shipping iron ore project in the Pilbara.

The project involves the open-cut mining of eight small pits 70 kilometres east of Port Hedland to obtain direct shipping ore quality haematite. Annual ore production will be 1.5 million tonnes.

The proposal is described in the following document – Atlas Iron Limited: *The Pardoo DSO Project*, Public Environmental Review (December 2007).

Summary Description

A summary of the key proposal characteristics is presented in Table 1.

Table 1 – Summary of Key Proposal Characteristics

Element	Description
Life of mine (mine production)	5 to 6 years
Area of disturbance	Not more than 280 hectares
Amount of resource (Direct Shipping Ore)	Approximately 7.4 million tonnes
Ore mining rate	1.5 million tonnes per annum
Waste rock volume over project life	<ul style="list-style-type: none">10.9 million tonnes of waste rockMaximum of 9.1 million tonnes to be placed in four waste rock dumps
No. of waste rock dumps	4 (Bobby/Glenda, Alice, Olivia, & South Limb)
No. of open pits	8 (Bobby, Glenda, Alice East, Alice West, Olivia, Connie, South Limb & South Limb West).
No. of pits extending below the water table	4 (Bobby, Glenda, Alice East & South Limb)
No. of pits to be backfilled above the water table	3 (Glenda, Alice East & South Limb West).
Dewatering volume	<ul style="list-style-type: none">Not more than 5,500 kilolitres per day
Environmental discharge of	<ul style="list-style-type: none">Approximately 2,200 kilolitres per day;

Element	Description
surplus water	<ul style="list-style-type: none"> • Not more than 5,500 kilolitres per day.
Estimated discharge water saturation zone	<ul style="list-style-type: none"> • Northern discharge point not more than 14 hectares; and • Southern discharge point not more than 10 hectares
Water source and requirements	<p><i>Potable:</i> De Grey River Water Reserve borefield scheme water – approximately 11 million litres per annum.</p> <p><i>Minesite operations</i> (dust suppression and washdown): open pit dewatering.</p> <p><i>Port dust suppression:</i> scheme water approximately 5,800 litres per shipment.</p>
Power source and requirements	Diesel powered generators – approximately 2 million volt amperes per year.
Fuel use and storage	Two 105,000 litre self-bunded tanks. Approximately 6 million litres per annum diesel use, including power generation.
Transport to ports	Quad configuration road trains. Maximum of 5 truck movements per hour (includes empty and full trips).

Figures (attached)

Figure 1 – Project Layout.

Figure 2 – Regional Location Plan / Transport Route.

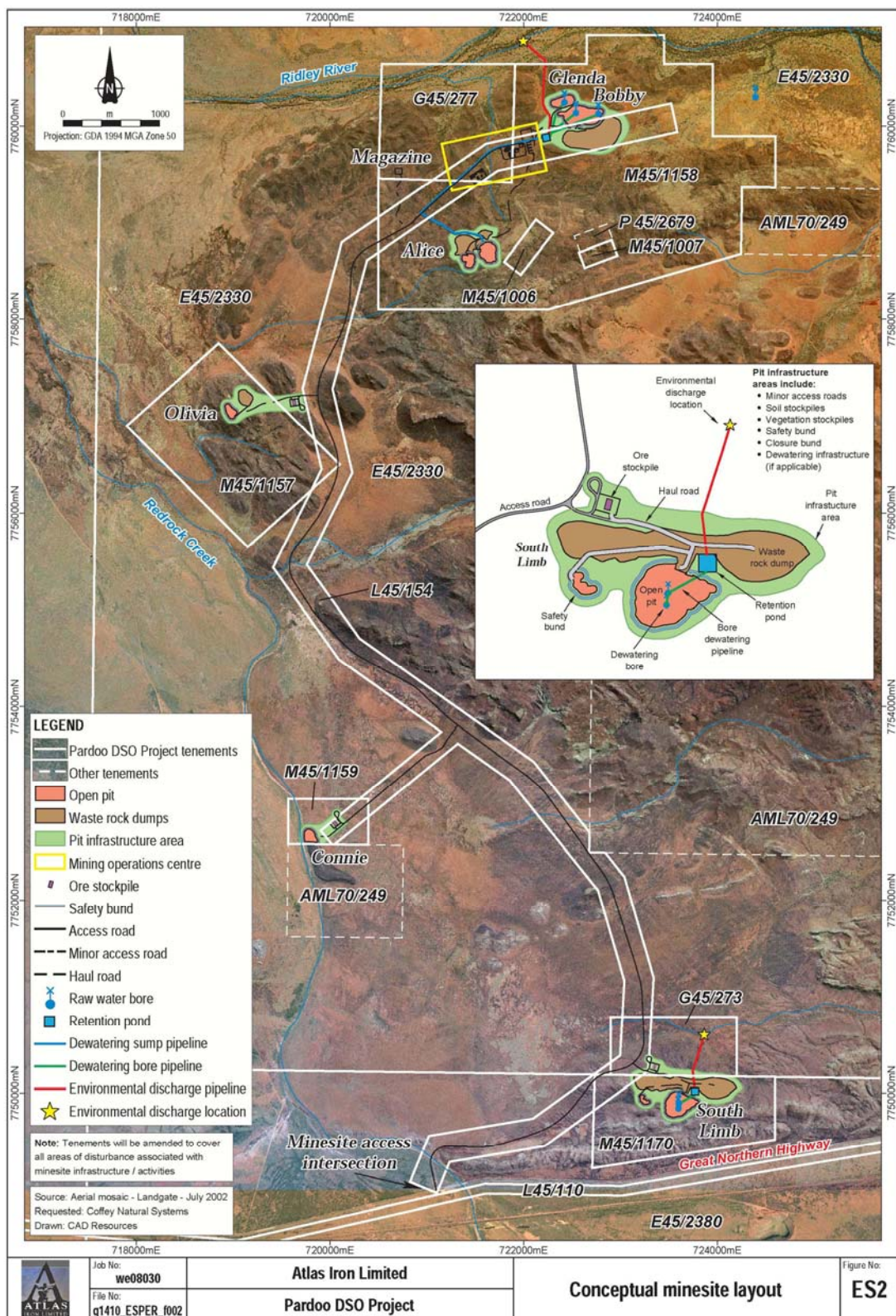


Figure 1: Project Layout

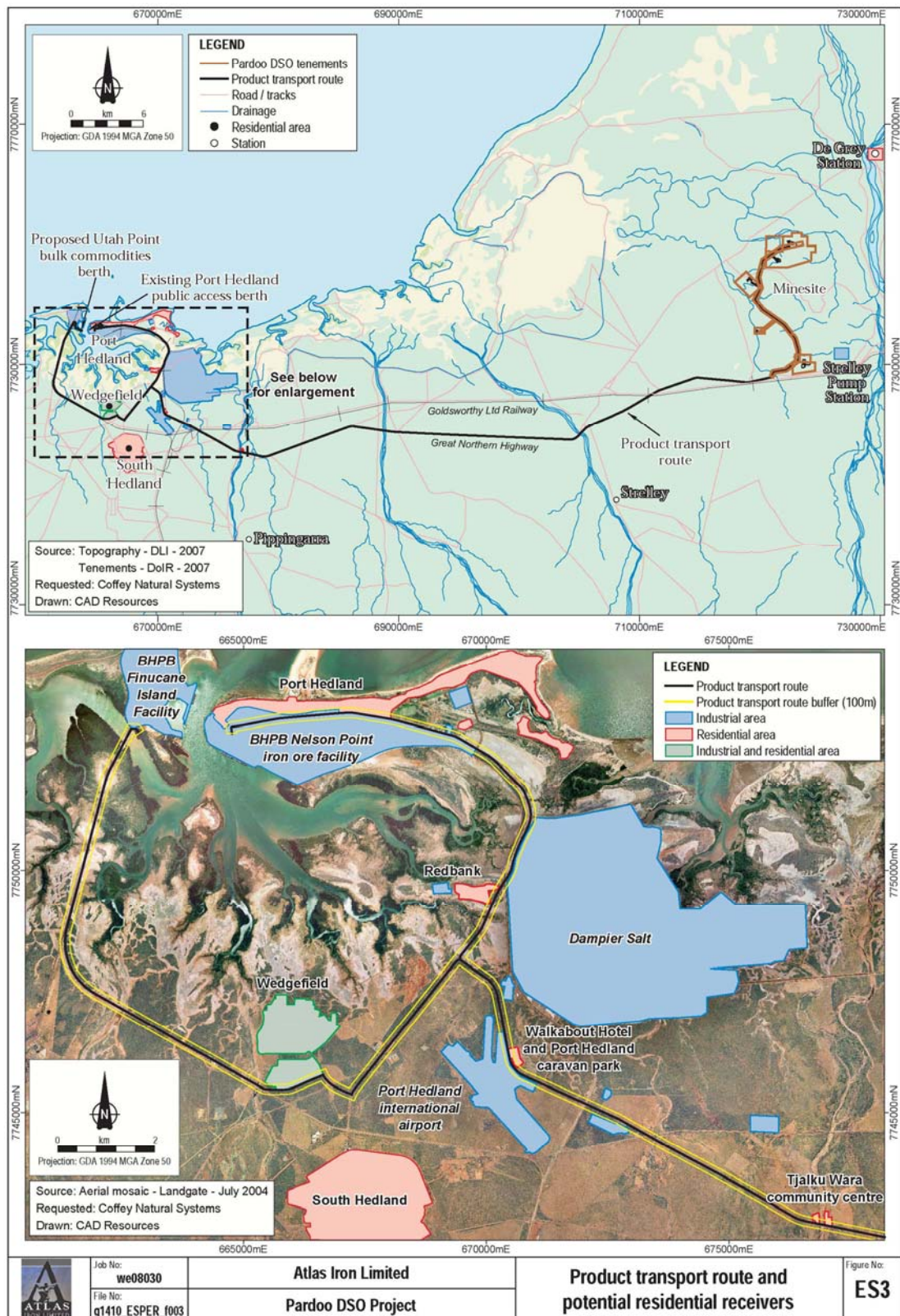


Figure 2: Regional Location Plan / Transport Route

Attachment 1 to Statement 775

Change to Proposal

Proposal: Pardoo Iron Ore Mine and Direct Shipping from Port Hedland – Shire of East Pilbara and Town of Port Hedland

Proponent: Atlas Iron Limited

Change: Multiple project design and operational changes to the mine site.

Key Characteristics Table:

Element	Description of approved proposal	Description of approved changes to proposal (bolded)
Life of mine (mine production)	5 to 6 years	5 to 6 years
Area of disturbance	Not more than 280 hectares.	Not more than 324 hectares
Amount of resource Direct Shipping Ore	Approximately 7.4 million tonnes	Element removed
Area of pit footprint	<ul style="list-style-type: none"> Bobby (6.8 hectares) Olivia (1.1 hectares) Alice West (1.5 hectares) South Limb (6 hectares) South Limb West (0.5 hectares) Connie (1.4 hectares) Glenda (2.3 hectares) Alice East (2.8 hectares) 	<ul style="list-style-type: none"> Bobby (8.1 hectares) Olivia (1.6 hectares) Alice West (1.9 hectares) South Limb (7.1 hectares) South Limb West (1.1 hectares) Connie (1 hectare) Glenda (1.5 hectares) Alice East split into two pits: <ul style="list-style-type: none"> Alice East 1 (1.9 hectares) Alice East 2 (3.1 hectares)
Area of pit infrastructure area	<ul style="list-style-type: none"> Alice (10.9 hectares) Olivia (16.2 hectares) Connie (7.9 hectares) South Limb (24.1 hectares) 	<ul style="list-style-type: none"> Alice (31.2 hectares) Olivia (15.7 hectares) Connie (8.6 hectares) South Limb (25.7 hectares)
Area of waste rock dump footprint	<ul style="list-style-type: none"> Bobby/Glenda (13 hectares) Alice (4.7 hectares) 	<ul style="list-style-type: none"> Bobby/Glenda (14.7 hectares) Alice (18.6 hectares)
Ore mining rate	1.5 million tonnes per annum	1.5 million tonnes per annum
Waste rock volume over project life	<ul style="list-style-type: none"> 10.9 million tonnes of waste rock Maximum of 9.1 million tonnes to be placed in four waste rock dumps 	<ul style="list-style-type: none"> 13.5 million tonnes of waste rock Maximum of 11.6 million tonnes of waste to be placed in four waste rock dump areas
Number of waste rock dumps	4 (Bobby/Glenda, Alice, Olivia and South Limb)	4 (Bobby/Glenda, Alice, Olivia and South Limb)
Number of open pits	8 (Bobby, Glenda, Alice East, Alice West, Olivia, Connie, South Limb and South Limb West).	9 (Bobby, Glenda, Alice East (1 and 2) , Alice West, Olivia, Connie, South Limb and South Limb West).
Number of pits extending below the water table	4 (Bobby, Glenda, Alice East and South Limb)	4 (Bobby, Glenda, Alice East 1 and South Limb)
Number of pits to be backfilled above the water table	3 (Glenda, Alice East and South Limb West)	3 (Glenda, Alice East 1 & South Limb West)
Dewatering volume	Not more than 5,500 kilolitres per day	Not more than 2,007 gegalitres per year

Element	Description of approved proposal	Description of approved changes to proposal (bolded)
Environmental discharge of surplus water	Approximately 2,200 kilolitres per day Not more than 5,500 kilolitres per day	Not more than 2.007 gigalitres per year
Environmental discharge pipeline	<ul style="list-style-type: none"> Southern discharge pipeline Northern discharge pipeline 	Alignment of southern discharge pipeline as per Figure 3
Location of northern and southern water retention ponds	<ul style="list-style-type: none"> Northern retention pond: located near the Bobby pit Southern retention pond: located near South Limb pit 	<ul style="list-style-type: none"> Location of northern retention pond as per Figure 3 Location of southern retention pond as per Figure 3
Design of northern and southern water retention ponds	<ul style="list-style-type: none"> Northern water retention pond consists of one secondary and one primary pond Southern water retention pond consists of one secondary and one primary pond 	<ul style="list-style-type: none"> Northern water retention pond consists of one primary pond and tank Southern water retention pond consists of one primary pond and tank
Estimated discharge water saturation zone	<ul style="list-style-type: none"> Northern discharge point not more than 14 hectares Southern discharge point not more than 10 hectares 	<ul style="list-style-type: none"> Northern discharge point not more than 14 hectares Southern discharge point not more than 10 hectares
Water source and requirements (minesite)	<ul style="list-style-type: none"> <i>Potable:</i> De Grey River water Reserve borefield scheme Water – approximately 11 million litres per annum <i>Minesite operations</i> (dust suppression and washdown): open pit dewatering <i>Port dust suppression:</i> scheme water approximately 5,800 litres per shipment 	<ul style="list-style-type: none"> <i>Potable:</i> De Grey River Water Reserve borefield scheme water – approximately 11 million litres per annum <i>Minesite operations</i> (dust suppression and washdown): open pit dewatering <i>Port dust suppression:</i> scheme water approximately 5,800 litres per shipment
Power source and requirements (minesite)	Diesel powered generators – approximately 2 million volt amperes per year	Diesel powered generators – approximately 2 million volt amperes per year
Fuel use and storage	<ul style="list-style-type: none"> Two 105,000 litre self-bunded tanks Approximately 6 million litres per annum diesel use, including power generation 	<ul style="list-style-type: none"> Two 110,000 litre self-bunded tanks Approximately 6 million litres per annum diesel use, including power generation
Transport to ports	<ul style="list-style-type: none"> Quad configuration road trains Maximum of 5 truck movements per hour (includes empty and full trips). 	<ul style="list-style-type: none"> Quad configuration road trains Maximum of 5 truck movements per hour (includes empty and full trips)
Operational hours	<ul style="list-style-type: none"> Minesite: mining and crushing and screening – day shift, 7 days a week Minesite: product loading and hauling – 24 hours, 7 days a week Product transport (along the Great Northern Highway) – 24 hours, 7 days a week Product transport (within Port Hedland) – 22 hours, 7 days a week 	<ul style="list-style-type: none"> Minesite: mining and crushing and screening – 24 hours (day and night shifts), 7 days a week Minesite: product loading and hauling – 24 hours, 7 days a week Product transport (along the Great Northern Highway) – 24 hours, 7 days a week Product transport (within Port Hedland) – 22 hours, 7 days a week

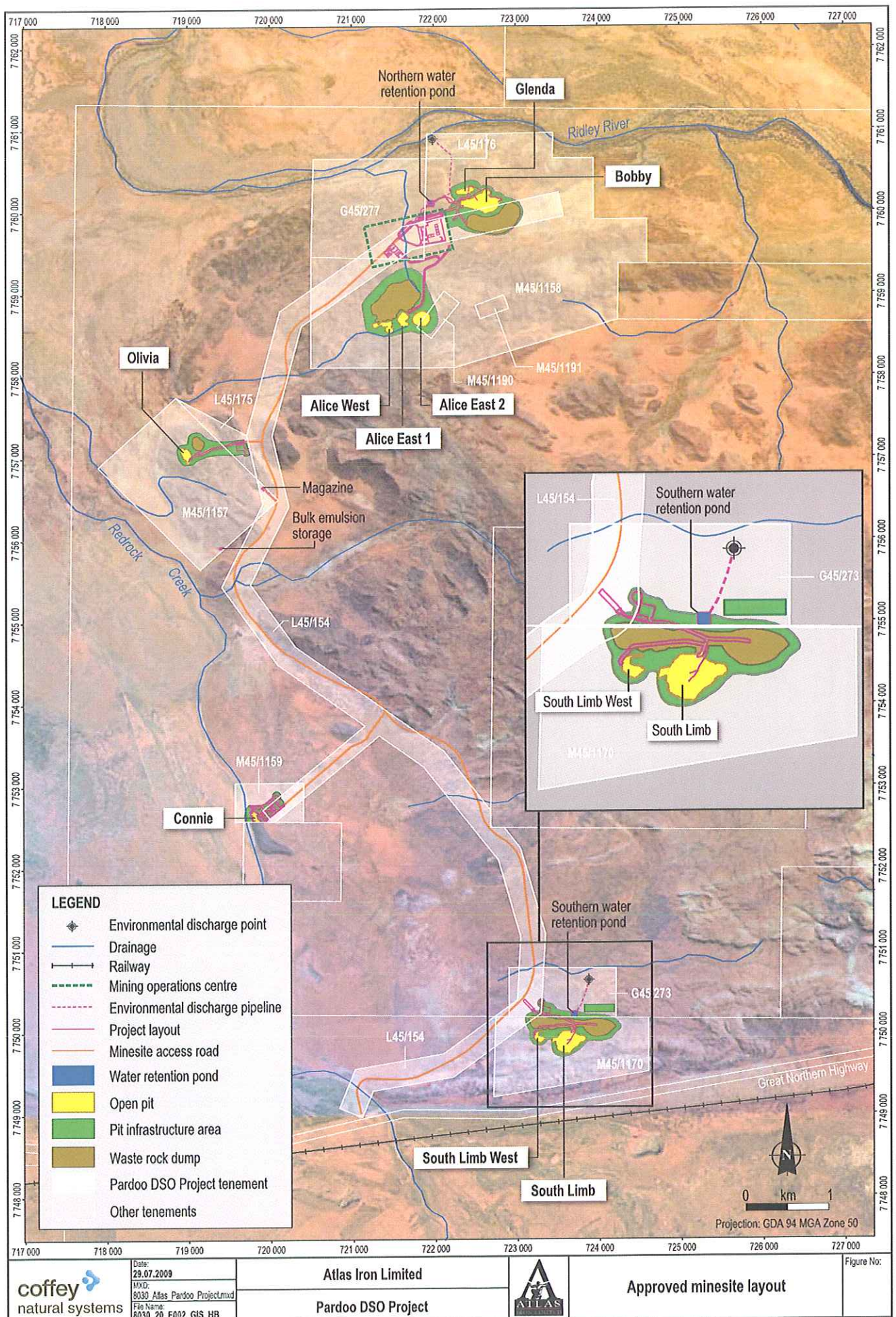
Element	Description of approved proposal	Description of approved changes to proposal (bolded)
Crushing and screening plant	Mobile, diesel-over-hydraulic crushing and screening plant that will remain within in the mining operations centre for the duration of the project	Licensed mobile crushing and screening plant to be used in various locations for duration of project
Disturbance area and location of explosives magazine	Disturbance area of approximately 0.5 hectares, location as per Figure 1	Disturbance area of approximately 0.4 hectares, location as per Figure 3
Emulsion storage	Bought to minesite and used daily, with a contingency volume of 10,000 kilograms stored at the minesite within the explosives magazine	60,000 kilograms stored onsite in a separate bulk emulsion storage area (disturbance area 0.35 hectares) as per Figure 3
Minesite access road	Alignment as per Figure 1	Alignment as per Figure 3

List of Figures:

Figure 3: Project Layout of approved revised proposal

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 25.8.09



Attachment 2 to Statement 775

Change to Proposal

Proposal: Pardoo Iron Ore Mine and Direct Shipping from Port Hedland – Shire of East Pilbara and Town of Port Hedland

Proponent: Atlas Iron Limited

Change: Increase the mining rate from 1.5 to 3 million tonnes per annum, involving the addition of two new open pits and associated infrastructure, and changes to an existing open pit.

Key Characteristics Table:

Element	Description of proposal	Description of approved change to proposal (bolded)
Life of mine (mine production)	5 to 6 years.	5 to 6 years.
Area of disturbance	Not more than 324 hectares (ha).	490.4 ha.
Open pit disturbance area	<ul style="list-style-type: none"> • Bobby (8.1 ha). • Olivia (1.6 ha). • Alice West (1.9 ha). • South Limb (7.1 ha). • South Limb West (1.1 ha). • Connie (1 ha). • Glenda (1.5 ha). • Alice East split into two pits: <ul style="list-style-type: none"> – Alice East 1 (1.9 ha). – Alice East 2 (3.1 ha). 	<ul style="list-style-type: none"> • Bobby (8.1 ha). • Olivia split into two open pits: <ul style="list-style-type: none"> – Olivia 1 (1.7 ha). – Olivia 2 (0.8 ha). • Alice West (1.9 ha). • South Limb (6.9 ha)*. • South Limb West (1.1 ha). • Connie (1 ha). • Glenda (1.5 ha). • Alice East split into two open pits: <ul style="list-style-type: none"> – Alice East 1 (1.9 ha). – Alice East 2 (3.1 ha). • Chloe (1.8 ha). • Emma (12.6 ha).
Area of pit infrastructure area	<ul style="list-style-type: none"> • Alice (31.2 ha). • Olivia (15.7 ha). • Connie (8.6 ha). • South Limb (25.7 ha). • Bobby/Glenda (22.3 ha)¹. 	<ul style="list-style-type: none"> • Alice (31.2 ha). • Olivia/Emma (107.4 ha). • Connie (8.5 ha)*. • South Limb (25.5 ha)*. • Bobby/Glenda (20.7 ha)*. • Chloe (34.9 ha).
Waste dump disturbance area	<ul style="list-style-type: none"> • Bobby/Glenda (14.7 ha). • Alice (18.6 ha). • <i>Olivia (1.9 ha)².</i> • <i>South Limb (14.8)².</i> 	<ul style="list-style-type: none"> • Bobby/Glenda (14.7 ha). • Alice (18.6 ha). • Olivia (1.9 ha). • South Limb (14.9)*. • Chloe (4.8 ha). • Emma (19.9 ha).

Element	Description of proposal	Description of approved change to proposal (bolded)
Ore mining rate	1.5 million tonnes per annum (Mtpa).	3 Mtpa.
Waste material volume over project life	<ul style="list-style-type: none"> • 13.5 million tonnes of waste material. • Maximum of 11.6 Mt of waste to be placed in four waste dump areas. 	<ul style="list-style-type: none"> • 18.26 million tonnes (Mt) of waste material. • Maximum of 16.36 Mt of waste to be placed in six waste dump areas.
Number of waste dumps	4 (Bobby/Glenda, Alice, Olivia and South Limb).	6 (Bobby/Glenda, Alice, Olivia, South Limb, Emma and Chloe).
Number of open pits	9 (Bobby, Glenda, Alice East (1 and 2), Alice West, Olivia, Connie, South Limb and South Limb West).	12 (Bobby, Glenda, Alice East (1 and 2), Alice West, Olivia (1 and 2) , Connie, South Limb and South Limb West, Chloe and Emma).
Number of pits extending below the watertable	4 (Bobby, Glenda, Alice East 1 and South Limb).	4 (Bobby, Glenda, Alice East 1 and South Limb).
Number of pits to be backfilled above the watertable	3 (Glenda, Alice East 1 and South Limb West).	3 (Glenda, Alice East 1 and South Limb West).
Dewatering volume	Not more than 2.007 gigalitres (GL) per year.	Not more than 2.007 gigalitres (GL) per year.
Environmental discharge of surplus water	Not more than 2.007 GL per year.	Not more than 2.007 GL per year.
Environmental discharge pipeline	Alignment of northern and southern environmental discharge pipeline as per Figure 3 of Ministerial Statement 775.	Alignment of northern and southern environmental discharge pipeline as per Figure 4 of Ministerial Statement 775.
Design of northern and southern water retention ponds	<ul style="list-style-type: none"> • Northern water retention pond consists of one primary pond and tank. • Southern water retention pond consists of one primary pond and tank. 	<ul style="list-style-type: none"> • Northern water retention pond consists of one primary pond and tank. • Southern water retention pond consists of one primary pond and tank.
Estimated discharge water saturation zone	<ul style="list-style-type: none"> • Northern discharge point not more than 14 hectares. • Southern discharge point not more than 10 hectares. 	<ul style="list-style-type: none"> • Northern discharge point not more than 14 hectares. • Southern discharge point not more than 10 hectares.
Water source and requirements (minesite)	<p><i>Potable:</i> De Grey River Water Reserve borefield scheme water – approximately 11 million litres per annum.</p> <p><i>Minesite operations</i> (dust suppression and washdown): open pit dewatering.</p> <p><i>Port dust suppression:</i> scheme water approximately 5,800 litres per shipment.</p>	<p><i>Potable:</i> De Grey River Water Reserve borefield scheme water – approximately 17 million litres per annum.</p> <p><i>Minesite operations</i> (dust suppression and washdown): open pit dewatering.</p> <p><i>Port dust suppression:</i> scheme water approximately 5,800 litres per shipment.</p>
Power source and requirements (minesite)	Diesel-powered generators – approximately 2 million volt amperes (MVA) per year.	Diesel-powered generators – approximately 3 million volt amperes (MVA) per year.
Fuel use and storage	<ul style="list-style-type: none"> • Two 110,000 litre self-bunded tanks. • Approximately 6 million litres per annum diesel use, including power generation. 	<ul style="list-style-type: none"> • Two 110,000 litre self-bunded tanks. • Approximately 11 million litres per annum diesel use, including power generation.

Element	Description of proposal	Description of approved change to proposal (bolded)
Transport to ports	<ul style="list-style-type: none"> • Quad configuration road trains. • Maximum of 5 truck movements per hour (includes empty and full trips). 	<ul style="list-style-type: none"> • Quad configuration road trains. • Maximum of 8 truck movements per hour (includes empty and full trips).
Operational hours	<ul style="list-style-type: none"> • Minesite: <ul style="list-style-type: none"> – 24 hours (day and night shifts), 7 days a week mining and crushing and screening. – 24 hours, 7 days a week product loading and hauling. • Product transport: <ul style="list-style-type: none"> – 24 hours, 7 days a week along the Great Northern Highway. – 22 hours³, 7 days a week⁴ within Port Hedland. 	<ul style="list-style-type: none"> • Minesite: <ul style="list-style-type: none"> – 24 hours (day and night shifts), 7 days a week mining and crushing and screening. – 24 hours, 7 days a week product loading and hauling. • Product transport: <ul style="list-style-type: none"> – 24 hours, 7 days a week along the Great Northern Highway. – 24 hours, 7 days a week within Port Hedland.
Crushing and screening plant	Licenced mobile crushing and screening plant to be used in various locations for duration of project.	Licenced mobile crushing and screening plant to be used in various locations for duration of project.
Disturbance area and location of explosives magazine	Disturbance area of approximately 0.4 ha, location as per Figure 3 of Ministerial Statement 775.	Located within the approved disturbance area (no fixed location).
Minesite access road	Alignment as per Figure 3 of Ministerial Statement 775.	Approximate alignment as per Figure 3 of Ministerial Statement 775.

* These figures have been revised due to previous rounding errors; they do not constitute an actual change to the project.

List of Figures:

Figure 4: Project layout of approved revised proposal

Accepted _____

Dr Chris Whitaker
DEPUTY CHAIRMAN
Environmental Protection Authority
under delegated authority

Date: 6 July 2010

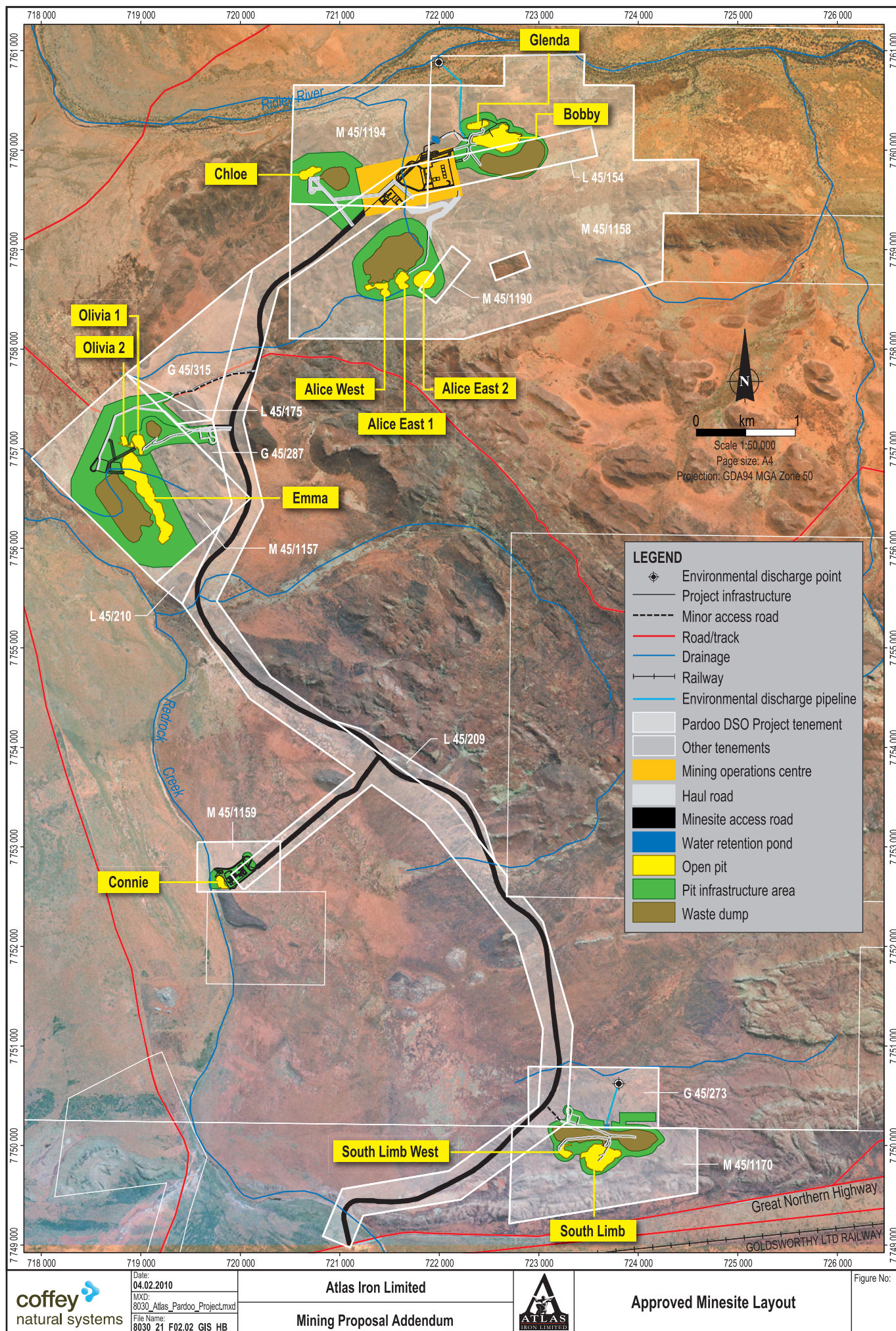


Figure 4: Project Layout of approved revised proposal

Attachment 3 to Statement 775
Change to Proposal under section 45C of the
Environmental Protection Act 1986

Proposal: Pardoo Iron Ore Mine and Direct Shipping from Port Hedland –
Shire of East Pilbara and Town of Port Hedland

Proponent: Atlas Iron Limited

Change: Increase the volume of annual dewatering and environmental discharge from 2 GL per annum to 4.0 GL per annum.

Key Characteristics Table: This table replaces Attachment 2

Element	Description of Proposal	Description of Proposed Change to Proposal
Life of mine (mine production)	5 to 6 years.	No change
Area of disturbance	490.4 ha.	No change
Open pit disturbance area	<ul style="list-style-type: none"> • Bobby (8.1 ha). • Olivia split into two open pits: <ul style="list-style-type: none"> – Olivia 1 (1.7 ha). – Olivia 2 (0.8 ha). • Alice West (1.9 ha). • South Limb (6.9 ha)*. • South Limb West (1.1 ha). • Connie (1 ha). • Glenda (1.5 ha). • Alice East split into two open pits: <ul style="list-style-type: none"> – Alice East 1 (1.9 ha). – Alice East 2 (3.1 ha). • Chloe (1.8 ha). • Emma (12.6 ha). 	No change
Area of pit infrastructure area	<ul style="list-style-type: none"> • Alice (31.2 ha). • Olivia/Emma (107.4 ha). • Connie (8.5 ha). • South Limb (25.5 ha). • Bobby/Glenda (20.7 ha). • Chloe (34.9 ha). 	No change
Waste dump disturbance area	Bobby/Glenda (14.7 ha). Alice (18.6 ha). " Olivia (1.9 ha). South Limb (14.9)*. Chloe (4.8 ha). Emma (19.9 ha).	No change
Ore mining rate	3 Mtpa.	No change

Element	Description of Proposal	Description of Proposed Change to Proposal
Waste material volume over project life	<ul style="list-style-type: none"> 18.26 million tonnes (Mt) of waste material. Maximum of 16.36 Mt of waste to be placed in six waste dump areas. 	No change
Number of waste dumps	6 (Bobby/Glenda, Alice, Olivia, South Limb, Emma and Chloe).	No change
Number of open pits	12 (Bobby, Glenda, Alice East (1 and 2), Alice West, Olivia (1 and 2), Connie, South Limb and South Limb West, Chloe and Emma).	No change
Number of pits extending below the watertable	4 (Bobby, Glenda, Alice East 1 and South Limb).	No change
Number of pits to be backfilled above the watertable	3 (Glenda, Alice East 1 and South Limb West).	No change
Dewatering volume	Not more than 2.007 gegalitres (GL) per year.	Not more than 4.0 GLpa.
Environmental discharge of surplus water	Not more than 2.007 GL per year.	Not more than 4.0 GLpa.
Environmental discharge pipeline	Alignment of northern and southern environmental discharge pipeline as per Figure 4 of Ministerial Statement 775.	No change
Design of northern and southern water retention ponds	<ul style="list-style-type: none"> Northern water retention pond consists of one primary pond and tank. Southern water retention pond consists of one primary pond and tank. 	No change
Estimated discharge water saturation zone	<ul style="list-style-type: none"> Northern discharge point not more than 14 ha Southern discharge point not more than 10 ha 	No change
Water source and requirements(minesite)	<ul style="list-style-type: none"> Potable: De Grey River Water Reserve borefield scheme water – approximately 17 million litres per annum. Minesite operations (dust suppression and washdown): open pit dewatering. Port dust suppression: scheme water approximately 5,800 litres per shipment. 	No change

Element	Description of Proposal	Description of Proposed Change to Proposal
Power source and requirements (minesite)	Diesel-powered generators – approximately 3 million volt amperes (MVA) per year.	No change
Fuel use and storage	<ul style="list-style-type: none"> Two 110,000 litre self-bunded tanks. Approximately 11 million litres per annum diesel use, including power generation. 	No change
Transport to ports	<ul style="list-style-type: none"> Quad configuration road trains. Maximum of 8 truck movements per hour (includes empty and full trips). 	No change
Operational hours	<ul style="list-style-type: none"> Minesite: <ul style="list-style-type: none"> – 24 hours (day and night shifts), 7 days a week mining and crushing and screening. – 24 hours, 7 days a week product loading and hauling. Product transport: <ul style="list-style-type: none"> – 24 hours, 7 days a week along the Great Northern Highway. – 24 hours, 7 days a week within Port Hedland. 	
Crushing and screening plant	Licensed mobile crushing and screening plant to be used in various locations for duration of project.	No change
Disturbance area and location of explosives magazine	Located within the approved disturbance area (no fixed location).	No change
Minesite access road	Approximate alignment as per Figure 3 of Ministerial Statement 775.	No change

Note: Text in **bold** in the Key Characteristics Table, indicates change/s to the proposal.

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 24 May 2012

Attachment 4 to Statement 775
Change to Proposal under section 45C of the
Environmental Protection Act 1986

Proposal: Pardoo Iron Ore Mine and Direct Shipping from Port Hedland –
Shire of East Pilbara and Town of Port Hedland

Proponent: Atlas Iron Limited

Change: Increase the volume of annual dewatering and environmental discharge from 4 GL per annum to 10 GL per annum; and

Increase in total disturbance footprint from 490.4ha to 501.7ha

Key Characteristics Table: This table replaces Attachment 3

Element	Description of Proposal	Description of Proposed Change to Proposal
Life of mine (mine production)	5 to 6 years.	5 to 7 years
Area of disturbance	490.4 ha.	501.7 ha
Open pit disturbance area	<ul style="list-style-type: none"> • Bobby (8.1 ha). • Olivia split into two open pits: <ul style="list-style-type: none"> – Olivia 1 (1.7 ha). – Olivia 2 (0.8 ha). • Alice West (1.9 ha). • South Limb (6.9 ha)*. • South Limb West (1.1 ha). • Connie (1 ha). • Glenda (1.5 ha). • Alice East split into two open pits: <ul style="list-style-type: none"> – Alice East 1 (1.9 ha). – Alice East 2 (3.1 ha). • Chloe (1.8 ha). • Emma (12.6 ha). 	<ul style="list-style-type: none"> • Bobby (8.1 ha). • Olivia split into two open pits: <ul style="list-style-type: none"> – Olivia 1 (2.3 ha). – Olivia 2 (0.8 ha). • Alice West (1.9 ha). • South Limb (6.9 ha)*. • South Limb West (1.1 ha). • Connie (1 ha). • Glenda (1.5 ha). • Alice East split into two open pits: <ul style="list-style-type: none"> – Alice East (1.9 ha). – Alice Extension (3.1 ha). • Chloe (1.8 ha). • Emma (12.6 ha).
Area of pit infrastructure area	<ul style="list-style-type: none"> • Alice (31.2 ha). • Olivia/Emma (107.4 ha). • Connie (8.5 ha). • South Limb (25.5 ha). • Bobby/Glenda (20.7 ha). • Chloe (34.9 ha). 	<ul style="list-style-type: none"> • Alice (31.2 ha). • Olivia/Emma (107.4 ha). • Connie (8.5 ha). • South Limb (30.7 ha). • Bobby/Glenda (25.1 ha). • Chloe (35.4 ha).
Waste dump disturbance area	<ul style="list-style-type: none"> • Bobby/Glenda (14.7 ha). • Alice (18.6 ha). • Olivia (1.9 ha). • South Limb (14.9)*. • Chloe (4.8 ha). • Emma (19.9 ha). 	No change
Ore mining rate	3 Mtpa.	No change

Element	Description of Proposal	Description of Proposed Change to Proposal
Waste material volume over project life	<ul style="list-style-type: none"> 18.26 million tonnes (Mt) of waste material. Maximum of 16.36 Mt of waste to be placed in six waste dump areas. 	No change
Number of waste dumps	6 (Bobby/Glenda, Alice, Olivia, South Limb, Emma and Chloe).	No change
Number of open pits	12 (Bobby, Glenda, Alice East (1 and 2), Alice West, Olivia (1 and 2), Connie, South Limb and South Limb West, Chloe and Emma).	12 (Bobby, Glenda, Alice East, Alice Extension , Alice West, Olivia (1 and 2), Connie, South Limb and South Limb West, Chloe and Emma).
Number of pits extending below the watertable	4 (Bobby, Glenda, Alice East 1 and South Limb).	7 (Bobby, Glenda, Alice East, Alice Extension , South Limb, Chloe and Emma).
Number of pits to be backfilled above the watertable	3 (Glenda, Alice East 1 and South Limb West).	No change
Dewatering volume	Not more than 4 gigalitres (GL) per year.	Not more than 10 GLpa.
Environmental discharge of surplus water	Not more than 4 GL per year.	Not more than 10 GLpa.
Environmental discharge pipeline	Alignment of northern and southern environmental discharge pipeline as per Figure 4 of Ministerial Statement 775.	No change
Design of northern and southern water retention ponds	<ul style="list-style-type: none"> Northern water retention pond consists of one primary pond and tank. Southern water retention pond consists of one primary pond and tank. 	No change
Estimated discharge water saturation zone	<ul style="list-style-type: none"> Northern discharge point not more than 14 ha Southern discharge point not more than 10 ha 	No change
Water source and requirements(minesite)	<ul style="list-style-type: none"> Potable: De Grey River Water Reserve borefield scheme water – approximately 17 million litres per annum. Minesite operations (dust suppression and washdown): open pit dewatering. Port dust suppression: scheme water approximately 5,800 litres per shipment. 	No change

Element	Description of Proposal	Description of Proposed Change to Proposal
Power source and requirements (minesite)	Diesel-powered generators – approximately 3 million volt amperes (MVA) per year.	No change
Fuel use and storage	<ul style="list-style-type: none"> Two 110,000 litre self-bunded tanks. Approximately 11 million litres per annum diesel use, including power generation. 	No change
Transport to ports	<ul style="list-style-type: none"> Quad configuration road trains. Maximum of 8 truck movements per hour (includes empty and full trips). 	No change
Operational hours	<ul style="list-style-type: none"> Minesite: <ul style="list-style-type: none"> – 24 hours (day and night shifts), 7 days a week mining and crushing and screening. – 24 hours, 7 days a week product loading and hauling. Product transport: <ul style="list-style-type: none"> – 24 hours, 7 days a week along the Great Northern Highway. – 24 hours, 7 days a week within Port Hedland. 	
Crushing and screening plant	Licensed mobile crushing and screening plant to be used in various locations for duration of project.	No change
Disturbance area and location of explosives magazine	Located within the approved disturbance area (no fixed location).	No change
Minesite access road	Approximate alignment as per Figure 3 of Ministerial Statement 775.	No change

Note: Text in **bold** in the Key Characteristics Table, indicates change/s to the proposal.

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 24 July 2012