



Minister for the Environment; Climate Change; Peel

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Statement No.

000740

**STATEMENT TO AMEND CONDITIONS APPLYING TO A PROPOSAL  
(PURSUANT TO THE PROVISIONS OF SECTION 46 OF THE  
ENVIRONMENTAL PROTECTION ACT 1986)**

**UPGRADE DUST MANAGEMENT  
AT FINUCANE ISLAND AND NELSON POINT  
PORT HEDLAND**

**Proponent:** BHP Billiton Iron Ore Pty Ltd

**Proponent Address:** 200 St George's Terrace  
PERTH WA 6000

**Assessment Number:** 1615

**Previous Assessment Number:** 955

**Report of the Environmental Protection Authority:** Bulletin 1247

**Previous Report of the Environmental Protection Authority:** Bulletin 831

**Previous Statement Number:** 433 (published 14 November 1996)

The implementation of the proposal to which the above reports of the Environmental Protection Authority relate is subject to the conditions and procedures contained in Ministerial Statement No. 433, as amended by the following:

*Condition 1 (Proponent Commitments) of Statement No. 433 is deleted and replaced by the following condition:*

Published on

**16 MAY 2007**

## **1 Environmental Management Actions**

**1-1** The proponent shall fulfil the environmental management actions specified in schedule 1 of this statement.

David Templeman/MLA  
MINISTER FOR THE ENVIRONMENT; CLIMATE CHANGE; PEEL

**16 MAY 2007**

## UPGRADE DUST MANAGEMENT AT FINUCANE ISLAND AND NELSON POINT, PORT HEDLAND (ASSESSMENT No. 1615).

## Environmental Management Actions

Note: The term "action" as used in this schedule includes the entire row of the table and its six separate parts as follows:

- an action number;
- an action topic;
- the objective of the action;
- the 'action' to be undertaken by the proponent;
- the timing requirements of the action; and
- the body/agency to provide technical advice to the Department of Environment and Conservation.

Number	Topic	Objective	Action	Timing	Advice
1	Dust Management Program	To reduce dust emissions from the proponent's Finucane Island and Nelson Point operations.	<p>1. Implement the revised Dust Management Program 2006 (Appendix A, BHP Billiton Iron Ore, <i>Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433, August 2006</i>) as a component of its Environmental Management Program.</p> <p>The program will incorporate:</p> <ul style="list-style-type: none"> <li>(1) Quality assurance and environmental management principles according to AS/ISO 9000 and AS/ISO 14000 series;</li> <li>(2) Performance measurement and continual improvement;</li> <li>(3) Benchmarking for all the proponent's Port Hedland Operations;</li> <li>(4) Operational feedback; and</li> <li>(5) Community consultation.</li> </ul>	<p>No later than the date of the section 45(7) authority issued by the Minister.</p>	DOH
			<p>2. Implement the Dust Management Plan as part of the Dust Management Program.</p> <p>3. Review the Dust Management Program.</p> <p>4. Continue the Dust Management Program.</p>	<p>At least every five years or at such intervals as required by the Minister.</p> <p>Throughout the life of the proposal.</p>	
			<p>5. Submit annual Dust Monitoring and Management Reports to the government (via the Department of Environment and Conservation) detailing environmental performance, including public complaints, proponent response to public complaints and progress achieved in implementing the Dust Management Plan.</p>	<p>No later than 31 December 2007 (Initial report).</p> <p>Annually (or at such interval as approved by the Minister) throughout the life of the proposal.</p>	

Number	Topic	Objective	Action	Timing	Advice
2	Performance Targets	To measure the success of the proponent's Dust Management Program.	<p>1. Progress towards the following performance targets (Note: natural background events (e.g. cyclones or bushfires) which materially exceed historical data ranges, or dust levels which are reasonably attributable to third party operations, will be taken into account by DEC when reviewing data and analyses provided by the proponent):</p> <ul style="list-style-type: none"> <li>Air Quality Related – Long Term Average: Improvement in the annual average PM10 monitored at the Hospital site to a long-term target of 30 µg/m3.</li> <li>Air Quality Related – Short Term Average: Improvement in the 24 hour average PM10 monitored at the hospital monitoring site to a long-term target of 70 µg/m3 with less than 10 exceedences per year.</li> <li>Amenity Related: progressive reduction in the annual average Total Suspended Particulates monitored at the Hospital monitoring site to a long-term target of 65 µg/m3.</li> </ul>	<p>Incremental progress starting no later than the date of the section 45(7) authority issued by the Minister.</p> <p>Fully implemented no later than 31 December 2012.</p>	DOH
			<p>2. Amenity Related – Community Perception: Improvement in the perception of the proponent's dust management program (as it relates to amenity associated with the proponent's iron ore dust) as measured by the Social Monitoring (annual measurement) and Evaluation Survey (annual measurement), within the western end of Port Hedland. Community perception reports to be submitted to DEC.</p>	<p>No later than 31 December 2007 (Initial report).</p> <p>Annually (or at such interval as approved by the Minister) throughout life of the proposal.</p>	DOH
			<p>3. Amenity Related – Community Satisfaction: Improvement in community satisfaction towards the proponent's management of dust impacts as measured by the Social Monitoring and Evaluation Survey. Community satisfaction reports to be submitted to DEC.</p>	<p>No later than 31 December 2007 (Initial report).</p> <p>Annually (or at such interval as approved by the Minister) throughout life of the proposal.</p>	DOH
3	Water-use Efficiency Plan	To improve water-use efficiency at the proponent's Finucane Island and Nelson Point Port Hedland operations.	<p>1. Implement the Water-use Efficiency Plan 2006 (Appendix B, BHP Billiton Iron Ore, <i>Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433</i>, August 2006) as part of the Dust Management Program.</p>	<p>No later than the date of the section 45(7) authority issued by the Minister.</p>	DoW
			<p>2. Review the Water-use Efficiency Plan.</p>	<p>At least every five years.</p>	
			<p>3. Submit environmental reports to DEC, detailing progress achieved in implementing the Water-use Efficiency Plan.</p>	<p>No later than 31 December 2007 (Initial report).</p> <p>Annually (or at such interval as approved by the Minister).</p> <p>Throughout the life of the proposal.</p>	

Number	Topic	Objective	Action	Timing	Advice
			4. Progressively improve water use efficiency to achieve a target of 10% reduction in fresh water consumption per tonne of iron ore (shipped).	No later than 31 December 2012.	
4	Community and Stakeholder Engagement	Effectively consult community and respond to community concerns	<ol style="list-style-type: none"> <li>1. Implement the revised Community Engagement Program, as detailed in Chapter 7, Community Engagement Program, of BHP Billiton Iron Ore's, <i>Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433</i>, August 2006.</li> <li>2. As part of the Community Engagement Program, continue to actively participate in Port Hedland Air Quality Reference Group meetings and forums.</li> <li>3. Continue the revised Community Engagement Program.</li> </ol>	<p>Commence no later than the date of the section 45(7) authority issued by the Minister.</p> <p>Throughout the life of the proposal.</p> <p>Throughout the life of the proposal.</p>	DOH
5	Ambient Dust Monitoring Review.	To further improve the effectiveness, transparency and independence of the proponent's ambient air quality monitoring program.	<ol style="list-style-type: none"> <li>1. Assist the Department of Environment and Conservation in the ambient dust monitoring review, through the provision of data and expertise.</li> </ol>	Upon request of the DEC.	
6	Public access to data	To improve public access to dust monitoring data.	<ol style="list-style-type: none"> <li>1. Collect real time data via continuous monitoring for PM10 and Total Suspended Particulates at the Hospital monitoring site.</li> <li>2. Make this data available to the community through an appropriate means (through a web site and upon request).</li> <li>3. Continue to provide real time data.</li> </ol>	<p>In 10 minutes intervals, recorded hourly as a rolling 24-hour mean.</p> <p>From 3 September 2007.</p> <p>Throughout the life of the proposal.</p>	DOH
7	Regional dust standards	To ensure internal air quality targets reflect the evolution of regional air quality standards	<ol style="list-style-type: none"> <li>1. In the event that government develops a regional air quality standard for Port Hedland, review and revise internal air quality-related performance targets to ensure that they reflect current standards.</li> </ol>	On request of the DEC following publication of revised regional standards.	

#### Key

DEC = Department of Environment and Conservation

DoH = Department of Health

DoW = Department of Water

EPA = Environmental Protection Authority.

Attachment 1 to Ministerial Statement 740

Change to proposal under s45C of the *Environmental Protection Act 1986*

**Proposal:** Upgrade Dust Management at Finucane Island and Nelson Point, Port Hedland

**Proponent:** BHP Billiton Iron Ore Pty Ltd

**Change:** Various amendments to the Environmental Management Actions outlined in Schedule 1

**This table replaces Table 1 in Schedule 1**

<u>Element</u>	<u>Description of Original Environmental Management Actions</u>	<u>Description of approved change to Environmental Actions</u>	<u>Timing</u>	<u>Advice</u>
1- Dust Management Program	<p>1. Implement the revised Dust Management Program 2006 (Appendix A, <i>BHP Billiton Iron Ore, Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433, August 2006</i>) as a component of its Environmental Management Program.</p> <p>The Program will incorporate:</p> <ul style="list-style-type: none"> <li>• Quality assurance and environmental management principles according to AS/ISO 9000 and AS/ISO 14000 series;</li> <li>• Performance measurement and continual improvement;</li> <li>• Benchmarking for all the proponent's Port Hedland</li> </ul>	<p>1. Implement the revised Dust Management Program 2006 (Appendix A, <i>BHP Billiton Iron Ore, Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433, August 2006</i>) as a component of its Environmental Management Program.</p> <p>The Program will incorporate:</p> <ul style="list-style-type: none"> <li>• Quality assurance and environmental management principles according to AS/ISO 9000 and AS/ISO 14000 series;</li> <li>• Performance measurement</li> </ul>	(Action 1) No later than the date of section 45(7) authority issued by the Minister.	DoH

<u>Element</u>	<u>Description of Original Environmental Management Actions</u>	<u>Description of approved change to Environmental Actions</u>	<u>Timing</u>	<u>Advice</u>
	<p>Operations;</p> <ul style="list-style-type: none"> <li>• Operational feedback; and</li> <li>• Community consultation</li> </ul> <p>2. Implement the Dust Management Plan as part of the Dust Management Program.</p> <p>3. Review the Dust Management Program.</p> <p>4. Continue the Dust Management Program.</p> <p>5. Submit annual Dust Monitoring and Management Reports to the government (via the Department of Environment and Conservation) detailing environmental performance, including public complaints, proponent response to public complaints and progress achieved in implementing the Dust Management Plan.</p>	<p>and continual improvement;</p> <ul style="list-style-type: none"> <li>• Benchmarking for all the proponent's Port Hedland Operations;</li> <li>• Operational feedback; and</li> <li>• Community consultation</li> </ul> <p>2. Implement the Dust Management Plan as part of the Dust Management Program.</p> <p>3. Review the Dust Management Program.</p> <p>4. Continue the Dust Management Program.</p> <p>5. Submit annual Dust Monitoring and Management Reports to the government (via the Department of Environment and Conservation) detailing environmental performance, including public complaints, proponent response to public complaints and progress achieved in implementing the Dust Management Plan.</p>	<p>(Action 3) At least every five years or at such intervals as required by the Minister.</p> <p>(Action 4) Throughout the life of the proposal.</p> <p>(Action 5) No later than 31 December 2007 (Initial report). Annually (or at such intervals as approved by the Minister) throughout the life of the proposal.</p>	
2- Performance Targets	<p>1. Progress towards the following performance targets (Note: natural background events (e.g. cyclones or bushfires) which materially exceed historical data ranges, or dust levels which are reasonably attributable to third party operations, will be taken</p>	<p>1. Progress towards the following performance targets (Note: natural background events (e.g. cyclones or bushfires) which materially exceed historical data ranges, or dust levels which are reasonably attributable to third</p>	<p>Incremental progress starting no later than the date of the section 45(7) authority issued by the Minister.</p>	DoH

<u>Element</u>	<u>Description of Original Environmental Management Actions</u>	<u>Description of approved change to Environmental Actions</u>	<u>Timing</u>	<u>Advice</u>
	<p>into account by DEC when reviewing data and analyses provided by the proponent):</p> <ul style="list-style-type: none"> <li>• Air Quality Related – Long Term Average: Improvement in the annual average PM10 monitored at the Hospital Site to a long-term target of 30 µg/m<sup>3</sup>.</li> <li>• Air Quality Related – Short Term Average: Improvement in the 24 hour average PM10 monitored at the hospital monitoring site to a long-term target of 70 µg/m<sup>3</sup> with less than 10 exceedences per year.</li> <li>• Amenity Related: progressive reduction in the annual average Total Suspended Particulates monitored at the Hospital monitoring site to a long-term target of 65 µg/m<sup>3</sup>.</li> </ul> <p>2. Amenity Related – Community Perception: Improvement in the perception of the proponent’s dust management program (as it relates to amenity associated with the proponent’s iron ore dust) as measured by the Social Monitoring (annual measurement) and Evaluation Survey (annual measurement), within the western end of Port Hedland. Community perception reports to be submitted to DEC.</p> <p>3. Amenity Related – Community Satisfaction: Improvement in</p>	<p>party operations, will be taken into account by <b>DER</b> when reviewing data and analyses provided by the proponent):</p> <ul style="list-style-type: none"> <li>• Air Quality Related – Long Term Average: Improvement in the annual average PM10 monitored at the <b>Taplin Street site</b> to a long-term target of 30 µg/m<sup>3</sup>.</li> <li>• Air Quality Related – Short Term Average: Improvement in the 24 hour average PM10 monitored at the <b>Taplin Street site with the aim to work towards a cumulative target of 70 µg/m<sup>3</sup></b> with less than 10 exceedences per year.</li> </ul> <p>2. <b>Community Perception – Reputation survey to be conducted on a bi-annual basis and results presented to the Community Consultative Group. Results to be included in the Annual Environment Report (every second year).</b></p>	<p>(Action 2) Bi-Annually (or at such intervals as approved by the Minister) throughout life of the proposal.</p>	<p><b>DER</b></p>

<u>Element</u>	<u>Description of Original Environmental Management Actions</u>	<u>Description of approved change to Environmental Actions</u>	<u>Timing</u>	<u>Advice</u>
	community satisfaction towards the proponent's management of dust impacts as measured by the Social Monitoring and Evaluation Survey. Community satisfaction reports to be submitted to DEC.			
3- Water-Use Efficiency Plan	<ol style="list-style-type: none"> <li>1. Implement the Water-use Efficiency Plan 2006 (Appendix B, BHP Billiton Iron Ore. <i>Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433</i>. August 2006) as part of the Dust Management Program.</li> <li>2. Review the Water-use Efficiency Plan.</li> <li>3. Submit environmental reports to DEC, detailing progress achieved in implementing the Water-use Efficiency Plan.</li> <li>4. Progressively improve water use efficiency to achieve a target of 10% reduction in fresh water consumption per tonne of iron ore (shipped).</li> </ol>	<ol style="list-style-type: none"> <li>1. Implement the Water-use Efficiency Plan 2006 (Appendix B, BHP Billiton Iron Ore. <i>Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433</i>. August 2006) as part of the Dust Management Program.</li> <li>2. Review the Water-use Efficiency Plan.</li> <li>3. Submit environmental reports to <b>DER</b>, detailing progress achieved in implementing the Water-use Efficiency Plan.</li> <li>4. Progressively improve water use efficiency to achieve a target of 10% reduction in fresh water consumption per tonne of iron ore (shipped).</li> </ol>	<p>(Action 1) No later than the date of section 45(7) authority issued by the Minister.</p> <p>(Action 2) At least every five years.</p> <p>(Action 3) No later than 31 December 2007 (Initial report). Annually (or at such interval as approved by the Minister). Throughout the life of the proposal.</p> <p>(Action 4) No later than 31 December 2012.</p>	DoW
4 – Community and Stakeholder Engagement	<ol style="list-style-type: none"> <li>1. Implement the revised Community Engagement Program, as detailed in Chapter 7, Community Engagement Program, of BHP Billiton Iron Ore's,</li> </ol>	<ol style="list-style-type: none"> <li>1. Implement the revised Community Engagement Program, as detailed in Chapter 7, Community Engagement</li> </ol>	<p>(Action 1) No later than the date of section 45(7) authority issued by the Minister.</p>	DoH

<u>Element</u>	<u>Description of Original Environmental Management Actions</u>	<u>Description of approved change to Environmental Actions</u>	<u>Timing</u>	<u>Advice</u>
	<p><i>Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433, August 2006.</i></p> <ol style="list-style-type: none"> <li>As part of the Community Engagement Program, continue to actively participate in Port Hedland Air Quality Reference Group meetings and forums.</li> <li>Continue the revised Community Engagement Program.</li> </ol>	<p>Program, of BHP Billiton Iron Ore's, <i>Revision of the Dust Management Program for Finucane Island and Nelson Point Operations; Section 46 Amendments to Ministerial Statement 433, August 2006.</i></p> <ol style="list-style-type: none"> <li>As part of the Community Engagement Program, continue to actively participate in <b>the community forums and meetings as determined by the Taskforce. Current community group forum is the Port Hedland Air and Noise Group.</b></li> <li>Continue the revised Community Engagement Program.</li> </ol>	<p>(Action 2) Throughout the life of the proposal.</p> <p>(Action 3) Throughout the life of the proposal.</p>	
5- Ambient Dust Monitoring Review	<ol style="list-style-type: none"> <li>Assist the Department of Environment and Conservation in the ambient dust monitoring review, through the provision of data and expertise.</li> </ol>	<ol style="list-style-type: none"> <li>Assist the Department of Environmental Regulation in the ambient dust monitoring review, through the provision of data and expertise.</li> </ol>	Upon request of the <b>DER.</b>	<b>DER</b>
6 – Public access to data	<ol style="list-style-type: none"> <li>Collect real time data <i>via</i> continuous monitoring for PM10 and Total Suspended Particulates at the Hospital monitoring site.</li> <li>Make this data available to the community through an appropriate means (through a web site and upon request).</li> <li>Continue to provide real time data.</li> </ol>	<ol style="list-style-type: none"> <li>Collect real time data <i>via</i> continuous monitoring for PM10 <b>at the Taplin Street site.</b></li> <li>Make this data available to the community through an appropriate means (through a web site and upon request).</li> <li>Continue to provide real time data.</li> </ol>	<p>(Action 1) In 10 minute intervals, recorded hourly as a rolling 24-hour mean.</p> <p>(Action 2) From 3 September 2007.</p> <p>(Action 3) Throughout the life of the proposal.</p>	DoH

<u>Element</u>	<u>Description of Original Environmental Management Actions</u>	<u>Description of approved change to Environmental Actions</u>	<u>Timing</u>	<u>Advice</u>
7- Regional dust Standards	1. In the event that government develops a regional air quality standard for Port Hedland, review and revise internal air quality-related performance targets to ensure that they reflect current standards.	1. In the event that government develops a regional air quality standard for Port Hedland, review and revise internal air quality-related performance targets to ensure that they reflect current standards.	On request of the <b>DER</b> following publication of revised regional standards.	<b>DER</b>

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

**DER = Department of Environmental Regulation**

**DoH = Department of Health**

**DoW = Department of Water**

[Signed 9 July 2013]

**Dr Paul Vogel**

CHAIRMAN

Environmental Protection Authority

under delegated authority