

## Appendix B

*Summary of Key Consultation*

| Environmental Aspect | Issue  | Raised By               | How Issue Raised                                     | Environmental Assessment Section  |
|----------------------|--|-------------------------|--|---|
| Air                  | URS contacted DECC to consult on the approach for assessing particulate matter impacts.  | URS                     | Email to DECC 2 October 2007.                        | Chapter 7 Air Quality; Appendix C Air Quality.                                  |
|                      | URS and DECC discussed appropriate methodology for air quality modelling and assessment, including potential health impacts. Project will need to meet 2002 Air Regulations. | DECC                    | Telephone correspondence 8 October 2007.             | Chapter 7 Air Quality; Appendix C Air Quality.                                  |
|                      | URS contacted CASA to inform them of the proposed project.   | URS                     | Phone call and letter 10 June 2008.                  | Appendix C Air Quality.   |
| Soils and Water      | Department of Planning requested information on the proposed water supply, water management, drainage and water disposal strategy was requested.                             | Department of Planning  | Planning Focus Meeting 28 November 2007.             | Chapter 14 Water Cycle Management.  |
|                      | Wentworth Shire Council requested URS obtain flood levels and Draft Flood Study being undertaken by Patterson Britton and Partners.  | Wentworth Shire Council | Planning Focus Meeting 28 November 2007.             | Chapter 14 Water Cycle Management.  |
|                      | URS liaised with GWM Water to obtain approval for construction of a bore for purposes of geotechnical investigation.   | GWM Water               | Email and telephone correspondence 19 November 2007. | Chapter 8 Soils, Geology and Groundwater.                                       |
|                      | URS contacted the Department of Water and Energy to inform them of the proposed project.   | URS                     | Phone call and letter correspondence 10 June 2008.   | Chapter 8 Soils, Geology and Groundwater.<br>Chapter 14 Water Cycle Management. |

## Appendix B

| Environmental Aspect   | Issue   | Raised By                         | How Issue Raised  | Environmental Assessment Section             |
|------------------------|---|-----------------------------------|---|--|
| <b>Traffic</b>         | URS obtained RTA fixed count traffic flow figures.  | URS                               | Phone call correspondence August 2007.                                      | Chapter 10 Traffic.                          |
| <b>Flora and Fauna</b> | Threatened Species to be addressed in the Environmental Assessment.   | DECC and Wentworth Shire Council  | Planning Focus Meeting with DECC and a meeting with Wentworth Shire Council | Chapter 12 Flora and Fauna.                  |
| <b>Bushfire</b>        | URS discussed the proposed project with the RFS Southwest Control Centre (12 October 2007). An email response was provided (12 October 2007). The site was identified as bushfire prone. RFS requested the layout, design and EA take into consideration a number of items including minimising the impact of radiant heat; considering setbacks taking into consideration vegetation, vegetation type and slope; provision of adequate access to egress to / from the site; and minimising the vulnerability of buildings to ignition from radiation and ember attack. | Rural Fire Service                | Phone call and email correspondence.  | Chapter 13 Bushfire Risk.                    |
| <b>Heritage</b>        | Cultural heritage to be addressed in the Environmental Assessment.  | DECC and Wentworth Shire Council. | Planning Focus Meeting with DECC and a meeting with Wentworth Shire Council | Chapter 15 Heritage.                         |
|                        | Navin Officer requested Expressions of Interest from Aboriginal groups and individuals with an interest in the assessment.  | Navin Officer                     | Public notice in the <i>Sunraysia Daily</i> in November 2007.               | Chapter 15 Heritage.                         |
|                        | Navin Officer sent a letter to the Barkindji Elders Committee requesting comment.   | Navin Officer                     | Letter correspondence February 2008.  | Chapter 15 Heritage and Appendix G Heritage. |

11<sup>th</sup> June 2008

Project No. 43177455

Department of Water and Energy  
PO Box 3720  
Parramatta  
NSW 2124

Attention: Greg Brady

Dear Mr Brady

**Subject: Proposed Peaking Power Plant, Buronga, NSW**

URS has been commissioned by International Power (Australia) Pty Ltd ("IPRA") to prepare an Environmental Assessment for a proposed distillate-fired gas turbine peaking power plant located approximately 10km northeast of Buronga in south west NSW. The intent of this correspondence is to provide an opportunity for comment on the proposal.

The National Electricity Market (NEM) governs the supply of electricity in Australia and is managed by the National Electricity Market Management Company (NEMMCO). NEMMCO in its latest "Statement of Opportunities 2007" predicts that growth in peak electricity demand in NSW will exceed existing capacity in the near term requiring the construction and operation of new power stations. Due to the type of load growth, the immediate need is for power stations to meet the peak demand. To partly meet this demand, IPRA has proposed the Buronga Peaking Power Plant Project.

The peaking power plant would generate up to 150MW of electricity and comprise three distillate-fired gas turbines, each of nominal capacity up to 50MW and, except for emergencies as allowed in its operating licence, would operate on an as required, intermittent basis for a total maximum period of up to 10% of any year.

The plant would be located on Crown land immediately adjacent to an existing TransGrid 220kV switching station, which would facilitate connection into the national electricity grid. IPRA has secured lease transfer arrangements with the leaseholder of this pastoral land which is controlled by the Western Lands Commissioner.

The process water is used primarily for air emissions control and in inlet air coolers, the latter producing a small waste stream of water which would be directed to a wastewater collection pond. Water would be stored in four tanks on site for fire services, process and domestic use. The primary source of raw water for process water is treated effluent from the Buronga Sewerage Treatment Plant owned by Wentworth Shire Council and Council is supportive. Rainwater captured on the developed site area (and as such potentially contaminated) would be treated and supplement the use of effluent as process water.

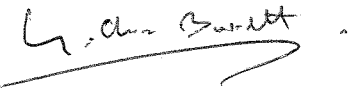
Attached is a description of the project and a site location plan. We understand that projects of this nature require consideration by the Department of Water and Energy regarding the impact the project may have on natural resources such as water, vegetation and soil management. The findings of the impact assessments relating to these issues will be made available as part of the Environment Assessment.

Part 3A of the Environmental Planning and Assessment Act 1979 ('EP&A Act') applies to the Buronga Peaking Power Plant Project. The Department of Planning issued Environmental Assessment Requirements in August 2007. IPRA proposes to submit the Environmental Assessment Report shortly but we would welcome any direct feedback, as discussed today with my colleague Rachel O'Hara, to the address below. Alternatively, your formal comments can be sent to the Department of Planning as part of the Adequacy Review process.

Should you have any questions, please do not hesitate to contact me on the number below.

Yours sincerely,

**URS AUSTRALIA PTY LTD**



William Barrett  
Associate

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11<sup>th</sup> June 2008

Project No. 43177455

Civil Aviation Services Authority  
GPO Box 2005  
Canberra City  
ACT 2601

Attention: Tony O'Shea

Dear Mr O'Shea

**Subject: Proposed Peaking Power Plant, Buronga, NSW**

URS has been commissioned by International Power (Australia) Pty Ltd ("IPRA") to prepare an Environmental Assessment for a proposed distillate-fired gas turbine peaking power plant located approximately 10km northeast of Buronga in south west NSW. The intent of this correspondence is to provide an opportunity for comment on the proposal.

The National Electricity Market (NEM) governs the supply of electricity in Australia and is managed by the National Electricity Market Management Company (NEMMCO). NEMMCO in its latest "Statement of Opportunities 2007" predicts that growth in peak electricity demand in NSW will exceed existing capacity in the near term requiring the construction and operation of new power stations. Due to the type of load growth, the immediate need is for power stations to meet the peak demand. To partly meet this demand, IPRA has proposed the Buronga Peaking Power Plant Project.

The peaking power plant would generate up to 150MW of electricity and comprise three distillate-fired gas turbines, each of nominal capacity up to 50MW and, except for emergencies as allowed in its operating licence, would operate on an as required, intermittent basis for a total maximum period of up to 10% of any year.

The plant would be located on Crown land immediately adjacent to an existing TransGrid 220kV switching station, which would facilitate connection into the national electricity grid. IPRA has secured lease transfer arrangements with the leaseholder of this pastoral land which is controlled by the Western Lands Commissioner.

The peaking power plant will be constructed in a single stage program and will comprise three distillate-fired gas turbine generators each comprising the turbine, generator high voltage transformer, auxiliary module, inlet and exhaust structures. The combustion products from the combustion zone enter the turbine and expand to atmospheric pressure, reducing in temperature to around 550°C. As the gas expands, it drives the turbine, which in turn drives the compressor and an electrical generator. From the turbine, the heated exhaust gases pass through a silencer unit and are discharged through an exhaust stack. Emissions from the site will be controlled to ensure compliance with the NSW Clean Air Act and POEO and the specific licence conditions applicable to the site.

Attached is a description of the project and a site location plan. We understand that projects of this nature require consideration from an aviation viewpoint regarding the vertical speed and temperature of the plume and their effect on aviation. We understand that this requires a plume assessment to be undertaken and details addressed relating to the possible coalescence of plumes in differing wind and atmospheric conditions.

As part of the Environmental Assessment, an air quality modelling assessment was conducted using The Air Pollution Model (TAPM) to assess if any discharge from the power plant may create a danger area for air navigation. This assessment will be made available as part of the Environment Assessment.

Part 3A of the Environmental Planning and Assessment Act 1979 ('EP&A Act') applies to the Power Plant Project. The Department of Planning issued Environmental Assessment Requirements in August 2007. IPRA proposes to submit the Environmental Assessment Report shortly but we would welcome any direct feedback, as discussed today with my colleague Rachel O'Hara, to the address below. Alternatively, your formal comments can be sent to the Department of Planning as part of the Adequacy Review process.

Should you have any questions, please do not hesitate to contact me on the number below.

Yours sincerely,

**URS AUSTRALIA PTY LTD**



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11<sup>th</sup> June 2008

Project No. 43177455

Department of Lands Western Region  
45 Wingewarra Street  
PO Box 1840  
Dubbo NSW 2830

Attention: Jodie Burgess

Dear Ms Burgess

**Subject: Proposed Peaking Power Plant, Buronga, NSW**

URS has been commissioned by International Power (Australia) Pty Ltd ("IPRA") to prepare an Environmental Assessment for a proposed distillate-fired gas turbine peaking power plant located approximately 10km northeast of Buronga in south west NSW. Following your recent communications with Damien Gardiner at Mallesons, the intent of this letter is to provide you with an update on the status of the Environmental Assessment for the proposed project and to provide the Department of Lands with an opportunity to comment on the proposal.

The National Electricity Market (NEM) governs the supply of electricity in Australia and is managed by the National Electricity Market Management Company (NEMMCO). NEMMCO in its latest "Statement of Opportunities 2007" predicts that growth in peak electricity demand in NSW will exceed existing capacity in the near term requiring the construction and operation of new power stations. Due to the type of load growth, the immediate need is for power stations to meet the peak demand. To partly meet this demand, IPRA has proposed the Buronga Peaking Power Plant Project.

The peaking power plant would generate up to 150MW of electricity and comprise three distillate-fired gas turbines, each of nominal capacity up to 50MW and, except for emergencies as allowed in its operating licence, would operate on an as required, intermittent basis for a total maximum period of up to 10% of any year.

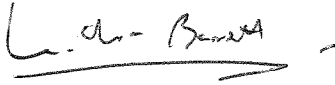
The plant would be located on Crown land immediately adjacent to an existing TransGrid 220kV switching station, which would facilitate connection into the national electricity grid. Attached is a description of the project and a site location plan.

Part 3A of the Environmental Planning and Assessment Act 1979 ('EP&A Act') applies to the Buronga Peaking Power Plant Project. The Department of Planning issued Environmental Assessment Requirements in August 2007. IPRA proposes to submit the Environmental Assessment Report shortly but we would welcome any direct feedback from the Department of Lands. Alternatively, your formal comments can be sent to the Department of Planning as part of the Adequacy Review process.

Should you have any questions, please do not hesitate to contact me on the number below.

Yours sincerely,

**URS AUSTRALIA PTY LTD**

A handwritten signature in dark ink, appearing to read 'William Barrett', with a horizontal line drawn underneath it.

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