



# Addendum

Addendum to Appendix A, Works Approval Application  
for AGL Tarrone

15 OCTOBER 2010

Prepared for  
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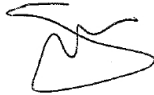


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## Addendum

This document is an addendum to the 'Final Report on Local Air Quality and Greenhouse Gas Tarrone Power Station' dated 17 June 2010, which is Appendix A of the 'Revised Final Report – Works Approval Application for Proposed AGL Peaking Power Station at Tarrone Victoria' dated 23 August 2010.

URS has determined an error during post processing of modelling outputs resulted in the incorrect grid points being extracted for onsite locations for assessment of predicted air quality indicator ground level concentrations against the Short Term Exposure Limit and the Time Weighted Average.

Table 5-2 and Table 5-3 below replace Table 5-2 and Table 5-3 respectively in Section 5.1 of Appendix A of the 'Revised Final Report – Works Approval Application for Proposed AGL Peaking Power Station at Tarrone Victoria' dated 23 August 2010.

The updated results do not change the conclusion of the report.

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**Table 5-2 Maximum modelled 15 minute average (99.9<sup>th</sup> percentile) on site ground level concentrations for considered scenarios (without background)**

<b>Species</b>	<b>NO<sub>x</sub> as NO<sub>2</sub></b>	<b>SO<sub>x</sub> as SO<sub>2</sub></b>	<b>CO</b>	<b>PM<sub>2.5</sub></b>	<b>PAH as B(a)P</b>	<b>Benzene</b>	<b>Xylenes</b>	<b>Toluene</b>	<b>Ethyl-benzene</b>	<b>Formaldehyde</b>
Units	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>
Averaging Period	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes
Alstom 13E2 Steady State	11.57	0.62	1.42	1.66	0.00025	0.0014	0.007	0.015	0.0036	0.080
GE 9FA Steady State	8.22	0.50	2.46	0.57	0.00020	0.0011	0.006	0.012	0.0029	0.065
Alstom 13E2 Start up	4.16									
GE 9FA Start up	0.29									
Alstom 13E2 Steady State Plus Shaw River	23.47		5.62							
GE 9FA Steady State Plus Shaw River	22.93		35.46							
Background Concentration	11.3	0	229	7.5	0	0	0	0	0	0
<b>STEL Worksafe Criteria</b>	<b>9,400</b>	<b>13,000</b>	<b>N/A</b>		<b>N/A</b>	<b>N/A</b>	<b>655,000</b>	<b>574,000</b>	<b>543,000</b>	<b>2,500</b>
<b>Exceed SEPP (AQM) Design Criteria</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

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**Table 5-3 Maximum modelled 8 hour average on site ground level concentrations for considered scenarios (without background)**

<b>Species</b>	<b>NO<sub>x</sub> as NO<sub>2</sub></b>	<b>SO<sub>x</sub> as SO<sub>2</sub></b>	<b>CO</b>	<b>PM<sub>2.5</sub></b>	<b>PAH as B(a)P</b>	<b>Benzene</b>	<b>Xylenes</b>	<b>Toluene</b>	<b>Ethyl-benzene</b>	<b>Formaldehyde</b>
Units	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>
Averaging Period	8 hours	8 hours	8 hours	8 hours	8 hours	8 hours	8 hours	8 hours	8 hours	8 hours
Alstom 13E2 Steady State	12.85	0.69	1.57	1.84	0.00028	0.0015	0.008	0.016	0.0040	0.089
GE 9FA Steady State	13.01	0.06	3.89	0.91	0.00032	0.0017	0.009	0.019	0.0046	0.102
Alstom 13E2 Start up	4.12									
GE 9FA Start up	1.29									
Alstom 13E2 Steady State Plus Shaw River	12.91		2.17							
GE 9FA Steady State Plus Shaw River	13.07		3.90							
Background Concentration	11.3	0	229	7.5	0	0	0	0	0	0
<b>TWA Worksafe Criteria</b>	<b>5,600</b>	<b>5,200</b>	<b>34,000</b>		<b>N/A</b>	<b>3,200</b>	<b>350,000</b>	<b>191,000</b>	<b>434,000</b>	<b>1,200</b>
<b>Exceed SEPP (AQM) Design Criteria</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

## Limitations

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The methodology adopted and sources of information used by URS are outlined in this addendum. URS has made no independent verification of this information beyond the agreed scope of works and URS assumes no responsibility for any inaccuracies or omissions. No indications were found during our investigations that information contained in this addendum as provided to URS was false.

This addendum was prepared between 31 August 2010 and 1 September 2010 and is based on the conditions encountered and information reviewed at the time of preparation. URS disclaims responsibility for any changes that may have occurred after this time.

This report should be read in full. No responsibility is accepted for use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.



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