



Receptor 2 - Marldene	Predicted NO <sub>x</sub> (µgm <sup>-3</sup> )		Predicted NO <sub>2</sub> (µgm <sup>-3</sup> )		Predicted PM <sub>10</sub> (µgm <sup>-3</sup> )	
	2010	2025	2010	2025	2010	2025
Do Minimum Scenario	7.30	6.63	5.06	4.64	11.35	11.05

Receptor 1 - Hope	Predicted NO <sub>x</sub> (µgm <sup>-3</sup> )		Predicted NO <sub>2</sub> (µgm <sup>-3</sup> )		Predicted PM <sub>10</sub> (µgm <sup>-3</sup> )	
	2010	2025	2010	2025	2010	2025
Do Minimum Scenario	9.60	8.20	5.96	5.44	11.63	11.30

Receptor 3 - Old Crichton Dean	Predicted NO <sub>x</sub> (µgm <sup>-3</sup> )		Predicted NO <sub>2</sub> (µgm <sup>-3</sup> )		Predicted PM <sub>10</sub> (µgm <sup>-3</sup> )	
	2010	2025	2010	2025	2010	2025
Do Minimum Scenario	5.91	5.84	4.45	4.42	11.04	11.04

**REFERENCE**

— 100 m — DISTANCE FROM CENTRE OF EXISTING ROAD

**NOTE**

LOCAL AIR QUALITY CONSTRAINTS MAP SHOWING THE ROUTES AFFECTED BY THE PROPOSED SCHEME AS WELL AS THE RECEPTORS WITHIN 200M OF THE AFFECTED ROUTES. THERE ARE NO DESIGNATED SITES OR AIR QUALITY MANAGEMENT AREAS WITHIN THE VICINITY OF THE PROPOSED SCHEME.

© Copyright Reserved

Substance	Air quality objective levels	Air quality objective dates
Nitrogen dioxide	200 µgm <sup>-3</sup> 1 hour mean (maximum 18 exceedances per year)	31 December 2005
	40 µgm <sup>-3</sup> annual mean	31 December 2005
PM <sub>10</sub>	50 µgm <sup>-3</sup> 24 hour mean (maximum 7 exceedances per year)	31 December 2010
	18 µgm <sup>-3</sup> annual mean	31 December 2010

REVISION	DETAILS	DATE	DRAWN	CHKD	APP'D
A	DRAWING TITLE AMENDED AND NOTE & TABLE ADDED.	JUNE 08	JPV		

**Wardell Armstrong**  
Engineering & Environmental Solutions

<input type="checkbox"/> STOKES-ON-TRENT (HEAD OFFICE) TEL 0845 111 7777	<input type="checkbox"/> CARDIFF TEL 029 2038 2465
<input type="checkbox"/> NEWCASTLE UPON TYNE TEL 0191 232 0943	<input type="checkbox"/> LEIGH TEL 01942 260101
<input type="checkbox"/> WEST BROMWICH TEL 0121 580 0909	<input type="checkbox"/> SHEFFIELD TEL 0114 245 6244
<input type="checkbox"/> LONDON TEL 020 7287 2872	<input type="checkbox"/> EDINBURGH TEL 0131 555 3311



PROJECT A68 PATHHEAD TO TYNEHEAD REALIGNMENT		
DRAWING TITLE AIR QUALITY CONSTRAINTS DIAGRAM (AIR QUALITY SENSITIVE PROPERTIES LOCATED WITHIN 200m OF EXISTING ROUTE) (SHEET 1 OF 2)		
DRG No Figure 5.1a	SCALE 1:5000	DATE APRIL 2008
DRAWN BY J.P.V.	CHECKED BY	APPROVED BY