

Appendix 16.2

A9 Scheme-specific Diffusion Tube Air Quality Monitoring Survey Data

Contents

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1.1	Northern and Southern A9 Dualling Schemes Air Quality Monitoring Survey	1
1.2	Highland Council Monitoring Network	3

Tables

Table 16-2-1: A9 Southern section (JUK) air quality monitoring site locations and 2015 annual mean NO ₂ concentrations	2
Table 16-2-2: A9 Northern section (AMJV) air quality monitoring site locations and 2015 annual mean NO ₂ concentrations	2
Table 16-2-3: Automatic monitoring results for Annual Mean NO ₂ and PM ₁₀ at Telford Street, Inverness (National Grid Reference: 265,709 Easting; 845,669 Northing)	3

1.1 Northern and Southern A9 Dualling Schemes Air Quality Monitoring Survey

- 1.1.1 A six-month monitoring survey was carried out by Jacobs UK (JUK) as part of the scoping stage for the A9 Dualling Southern Section (Perth to Glen Garry). The adjusted 2015 annual mean NO₂ concentrations are presented in **Table 16-2-1**. Similar air quality monitoring survey was carried out during DMRB Stage 2 in the Northern scheme by the Atkins-Mouchel Joint Venture (AMJV). The adjusted 2015 annual mean NO₂ concentrations are presented in **Table 16-2-2**. The nearest monitoring site to Project 9 is in Calvine (site 25) located approximately 30km south east of Project 9 (at the nearest point).

Table 16-2-1: A9 Southern section (JUK) air quality monitoring site locations and 2015 annual mean NO₂ concentrations

Site ID	Site description	Type	X (Easting)	Y (Northing)	2015 Annual Mean (µg m ⁻³)
1	Give way sign at junction before bridge	Background	301794	742051	5.2
2	Bus stop on A9 NB c/way	Kerbside	301716	742296	30.7
3	Bus stop on A9 SB c/way	Kerbside	301627	742283	44.7
4	Wooden telegraph pole across from bins	Background	300056	749192	4.7
5	Give way sign at junction with A9	Roadside	299774	749133	17.0
6	Parking sign preceding lay-by 28	Roadside	299718	749202	27.4
7	Parking sign preceding lay-by 39	Roadside	294309	757006	27.9
8	Silver pole near average speed camera adjacent to SB c/way	Roadside	294307	757028	17.9
9	Lamp post next to national speed limit signs	Background	293933	757525	8.5
10	Lamp post	Background	293888	757643	7.5
11	No stopping sign A9 SB c/way	Roadside	291761	762837	33.9
12	Bridge inspection stairwell railing	Roadside	291608	763070	19.2
13	Fence post preceding lay-by 44	Roadside	290595	763746	25.6
14	Hazard road sign	Roadside	289259	764207	10.1
15	Passing place	Background	289188	764082	5.8
16	Road sign A9 SB c/way Killiecrankie turn off	Roadside	288916	764293	26.0
17	Parking sign preceding lay-by 46	Roadside	288882	764285	19.0
18	Parking sign preceding lay-by 49	Roadside	286952	764924	24.6
19	Parking sign preceding lay-by 51	Roadside	285565	765243	31.6
20	Maintenance bay behind safety barrier	Roadside	283906	765683	18.2
21	No stopping sign A9 SB c/way	Kerbside	283067	765516	24.2
22	Metal pole near wooden telegraph pole	Roadside	280540	765883	18.5
23	Wooden telegraph pole beside petrol station price sign	Roadside	280489	765759	7.0
24	No parking sign in deceleration lane	Roadside	280474	765910	27.2
25	Give way sign junction Calvine to A9 NB c/way	Roadside	280149	765947	27.6

Table 16-2-2: A9 Northern section (AMJV) air quality monitoring site locations and 2015 annual mean NO₂ concentrations

Site ID	Site description	Type	X (Easting)	Y (Northing)	2015 Annual Mean (µg m ⁻³)
TM01	Disused Building off A9 / B9154	n/a	278413	832572	7.3
TM02	Meallmore Nursing Home / B9154	n/a	274700	837956	2.5
TM03	B9154, nr Burnside Cottages - Moy	n/a	276621	834465	3.7
TM04	Telephone Mast nr Moybeg Cottage	n/a	276956	834084	5.3
TM05	B9154 nr bus stop and Old Schoolhouse, Tomatin	n/a	277801	833504	6.4
TM06	Layby nr 'The Sheiling', off A9	n/a	278723	832157	4.8
TM07	Layby 160 section	n/a	279461	830387	7.8
TM08	Allt Dubhag Road (road signage)	n/a	279328	830646	6
TM09	General Wade's Military Road nr Porter's Lodge	n/a	279882	829606	4.4
TM10	Tomatin Village, nr Viaduct and Old Post Office House	n/a	280261	829087	3.1

1.2 Highland Council Monitoring Network

- 1.2.1 The Highland Council (THC) monitor NO₂ and PM₁₀ from a network of continuous monitoring locations and diffusion tube sites. None of these monitoring sites are located within the vicinity of Project 9. The nearest automatic monitoring station is located on Telford Street in Inverness, 40 km north of the Project 9 extents; results from this station are shown in **Table 16-2-3** below.

Table 16-2-3: Automatic monitoring results for Annual Mean NO₂ and PM₁₀ at Telford Street, Inverness
(National Grid Reference: 265,709 Easting; 845,669 Northing)

Site ID	Site Type	Data Capture 2014 (%)	Annual Mean Concentration (µg m ⁻³)		
			2012	2013	2014
NO ₂	Roadside	99.3	29.2	21.0	21.0
PM ₁₀	Roadside	97.5	11.0	11.7	10.9

