

Updated Technical Appendix 7.7  
Compliance Risk Assessment Results

The West Midlands Rail Freight Interchange Order 201X

Regulation 5(2)(a)

Ramboll: August 2019

## Appendix 7.7 – Updated Compliance Risk Assessment Results (Replaces original tables)

Table 7.7.1: Compliance Risk Assessment based on 2017 Baseline PCM Model Results - 2021								
Receptor Name	DEFRA Link Census ID	Road Name	Original Results			Revised Results		
			PCM Model Concentration Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	Change in NO <sub>2</sub> Concentration due to Scheme	CRRN Model Result (PCM Model + Scheme Impact) Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	PCM Model Concentration Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	Change in NO <sub>2</sub> Concentration due to Scheme	CRRN Model Result (PCM Model + Scheme Impact) Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )
CCC_210_Watling_St	6140	A5	22.8	0.4	23.2	22.8	0.2	23.0
CCC_25_Watling_St	80811	A5	29.1	0.4	29.5	29.1	0.1	29.2
CCC_2A_Mill_St	99283	A34	27.0	0.1	27.1	27.0	0.1	27.0
CCC_54WS	80811	A5	29.1	0.5	29.6	29.1	0.5	29.6
CCC_67WS	80811	A5	29.1	0.3	29.4	29.1	0.5	29.6
CCC_Cromwell_House	99283	A34	27.0	0.1	27.1	27.0	0.1	27.0
SBC_M6_Stafford	16027	M6	32.8	0.1	32.9	32.8	0.5	33.3
SSC_M6_Stafford_	16027	M6	32.8	0.1	32.9	32.8	0.1	32.9
SSC_SA2	57224	A4601	22.1	0.1	22.2	22.1	0.1	22.2
SSC_SA5	57224	A4601	22.1	0.1	22.2	22.1	0.0	22.2
SSC_SA6	57224	A4601	22.1	0.1	22.2	22.1	0.1	22.2
SSC_Tudor_Cottage	6140	A5	22.8	0.6	23.4	22.8	0.4	23.2
TWC_3_Aralia_Cl	81223	A4640	19.6	0.0	19.6	19.6	0.2	19.8
TWC_A5_St_George	56132	A5	17.3	0.0	17.3	17.3	0.3	17.6
TWC_Castle_Farm_Way-2	81223	A4640	19.6	0.0	19.6	19.6	0.2	19.8
TWC_Park_Inn_By_Radisson_Telford	18099	A5	22.4	0.0	22.4	22.4	0.1	22.5
TWC_Tarmacked_Dr	56132	A5	17.3	0.0	17.3	17.3	0.4	17.7
WCC_1_Knox_Rd	57243	A459	25.8	0.0	25.8	25.8	0.0	25.8
WCC_1_Pennant_Ct	17119	A449	31.1	0.0	31.1	31.1	0.0	31.2
WCC_1_Sherrans_Dell	73431	A459	21.8	0.1	21.9	21.8	0.0	21.8
WCC_215_Bilston_Rd	58124	A41	31.3	0.0	31.3	31.3	0.0	31.3
WCC_224_A41	56397	A41	26.3	0.1	26.4	26.3	0.0	26.3
WCC_255-257_Birmingham_Rd	17842	A4123	26.0	0.0	26.0	26.0	0.0	26.0
WCC_281_Birmingham_Rd	17842	A4123	26.0	0.0	26.0	26.0	0.0	26.0
WCC_3_Elm_Farm_Rd	17842	A4123	26.0	0.0	26.0	26.0	0.0	26.0
WCC_35_Navigation_St	58124	A41	31.3	0.0	31.3	31.3	0.0	31.3

<b>Table 7.7.1: Compliance Risk Assessment based on 2017 Baseline PCM Model Results - 2021</b>								
WCC_4_Compton_Rd	57201	A454	23.9	0.1	24.0	23.9	0.0	23.9
WCC_405_Bilston_Rd	56397	A41	26.3	0.1	26.4	26.3	0.0	26.3
WCC_414_Willenhall_Rd	7177	A454	29.3	0.1	29.4	29.3	0.0	29.3
WCC_416_Stafford_Rd	57118	A449	33.1	0.5	33.6	33.1	0.3	33.5
WCC_510_Wolverhampton_Rd_E	73431	A459	21.8	0.1	21.9	21.8	0.0	21.8
WCC_9_Crawford_Rd	57201	A454	23.9	0.1	24.0	23.9	0.0	23.9
WCC_BIL1	56397	A41	26.3	0.1	26.4	26.3	0.0	26.3
WCC_BIL2	26452	A41	28.5	0.1	28.6	28.5	0.0	28.5
WCC_BIL3	26452	A41	28.5	0.1	28.6	28.5	0.0	28.5
WCC_BIL4	26452	A41	28.5	0.1	28.6	28.5	0.0	28.5
WCC_BRI	57201	A454	23.9	0.1	24.0	23.9	0.0	23.9
WCC_DUD	57243	A459	25.8	0.0	25.8	25.8	0.0	25.8
WCC_HOR	57201	A454	23.9	0.1	24.0	23.9	0.0	23.9
WCC_Horseley_Fields	57201	A454	23.9	0.1	24.0	23.9	0.0	23.9
WCC_Royal_Junior_Sch	17119	A449	31.1	0.0	31.1	31.1	0.0	31.2
WCC_STA1	57118	A449	33.1	0.4	33.5	33.1	0.3	33.4
WCC_Stafford_St	57118	A449	33.1	0.8	33.9	33.1	0.2	33.3
WCC_Wolverhampton_Grammer_Sch	57201	A454	23.9	0.0	23.9	23.9	0.0	23.9
WCC_WRE	73431	A459	21.8	0.0	21.8	21.8	0.0	21.8
WDC_265-369_Essington_Rd	74015	A462	25.2	0.0	25.2	25.2	0.2	25.4
WDC_308_Darlaston_Rd	37726	A4038	30.2	0.4	30.6	30.2	0.0	30.3
WDC_32_Murdock_Way	38071	M6	30.0	0.4	30.4	30.0	0.5	30.5
WDC_343_Darlaston_Rd	46022	M6	31.1	0.6	31.7	31.1	0.2	31.3
WDC_367_Darlaston_Rd	37726	A4038	30.2	0.4	30.6	30.2	0.1	30.4
WDC_M6_Willenhall_WV12	38071	M6	30.0	0.5	30.5	30.0	0.7	30.7

**Table 7.7.2: Compliance Risk Assessment based on 2017 Baseline PCM Model Results - 2028**

Receptor Name	DEFRA Link Census ID	Road Name	Original Results			Revised Results		
			PCM Model Concentration Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	Change in NO <sub>2</sub> Concentration due to Scheme	CRRN Model Result (PCM Model + Scheme Impact) Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	PCM Model Concentration Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	Change in NO <sub>2</sub> Concentration due to Scheme	CRRN Model Result (PCM Model + Scheme Impact) Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )
CCC_210_Watling_St	6140	A5	16.5	0.6	17.1	16.5	0.3	16.8
CCC_25_Watling_St	80811	A5	20.9	0.6	21.5	20.9	0.1	21.0
CCC_2A_Mill_St	99283	A34	19.1	0.2	19.3	19.1	0.1	19.2
CCC_54WS	80811	A5	20.9	0.7	21.6	20.9	0.6	21.5
CCC_67WS	80811	A5	20.9	0.5	21.4	20.9	0.6	21.5
CCC_Cromwell_House	99283	A34	19.1	0.3	19.4	19.1	0.1	19.2
SBC_M6_Stafford	16027	M6	22.5	0.5	23.0	22.5	0.6	23.0
SSC_M6_Stafford_	16027	M6	22.5	0.6	23.1	22.5	0.1	22.6
SSC_SA2	57224	A4601	16.3	0.3	16.6	16.3	0.1	16.4
SSC_SA5	57224	A4601	16.3	0.3	16.6	16.3	0.1	16.4
SSC_SA6	57224	A4601	16.3	0.3	16.6	16.3	0.1	16.4
SSC_Tudor_Cottage	6140	A5	16.5	1.5	18.0	16.5	0.6	17.1
TWC_3_Aralia_Cl	81223	A4640	13.5	0.0	13.5	13.5	0.3	13.8
TWC_A5_St_George	56132	A5	12.3	0.0	12.3	12.3	0.5	12.7
TWC_Castle_Farm_Way-2	81223	A4640	13.5	0.0	13.5	13.5	0.3	13.7
TWC_Park_Inn_By_Radisson_Telford	18099	A5	15.7	0.0	15.7	15.7	0.1	15.8
TWC_Tarmacked_Dr	56132	A5	12.3	0.0	12.3	12.3	0.4	12.7
WCC_1_Knox_Rd	57243	A459	18.9	0.0	18.9	18.9	0.0	18.9
WCC_1_Pennant_Ct	17119	A449	22.4	0.1	22.5	22.4	0.0	22.4
WCC_1_Sherrans_Dell	73431	A459	15.6	0.1	15.7	15.6	0.0	15.7
WCC_215_Bilston_Rd	58124	A41	23.8	0.0	23.8	23.8	0.0	23.8
WCC_224_A41	56397	A41	19.0	0.0	19.0	19.0	0.0	19.0
WCC_255-257_Birmingham_Rd	17842	A4123	18.5	0.1	18.6	18.5	0.0	18.5
WCC_281_Birmingham_Rd	17842	A4123	18.5	0.0	18.5	18.5	0.0	18.5
WCC_3_Elm_Farm_Rd	17842	A4123	18.5	0.0	18.5	18.5	0.0	18.5
WCC_35_Navigation_St	58124	A41	23.8	0.0	23.8	23.8	0.0	23.8
WCC_4_Compton_Rd	57201	A454	17.0	0.2	17.2	17.0	0.0	17.0
WCC_405_Bilston_Rd	56397	A41	19.0	0.0	19.0	19.0	0.0	19.0
WCC_414_Willenhall_Rd	7177	A454	20.9	0.1	21.0	20.9	0.0	20.9

<b>Table 7.7.2: Compliance Risk Assessment based on 2017 Baseline PCM Model Results - 2028</b>								
WCC_416_Stafford_Rd	57118	A449	24.0	0.9	24.9	24.0	0.2	24.1
WCC_510_Wolverhampton_Rd_E	73431	A459	15.6	0.2	15.8	15.6	0.0	15.7
WCC_9_Crawford_Rd	57201	A454	17.0	0.2	17.2	17.0	0.0	17.0
WCC_BIL1	56397	A41	19.0	0.0	19.0	19.0	0.0	19.0
WCC_BIL2	26452	A41	20.3	0.0	20.3	20.3	0.0	20.3
WCC_BIL3	26452	A41	20.3	0.0	20.3	20.3	0.0	20.3
WCC_BIL4	26452	A41	20.3	0.0	20.3	20.3	0.0	20.3
WCC_BRI	57201	A454	17.0	0.1	17.1	17.0	0.0	17.0
WCC_DUD	57243	A459	18.9	0.0	18.9	18.9	0.0	18.9
WCC_HOR	57201	A454	17.0	0.1	17.1	17.0	0.0	17.0
WCC_Horseley_Fields	57201	A454	17.0	0.1	17.1	17.0	0.0	17.0
WCC_Royal_Junior_Sch	17119	A449	22.4	0.1	22.5	22.4	0.0	22.4
WCC_STA1	57118	A449	24.0	0.6	24.6	24.0	0.2	24.1
WCC_Stafford_St	57118	A449	24.0	1.3	25.3	24.0	0.1	24.1
WCC_Wolverhampton_Grammer_Sch	57201	A454	17.0	0.1	17.1	17.0	0.0	17.0
WCC_WRE	73431	A459	15.6	0.0	15.6	15.6	0.0	15.7
WDC_265-369_Essington_Rd	74015	A462	17.9	0.3	18.2	17.9	0.3	18.2
WDC_308_Darlaston_Rd	37726	A4038	21.5	1.7	23.2	21.5	0.0	21.5
WDC_32_Murdock_Way	38071	M6	21.3	1.4	22.7	21.3	0.1	21.4
WDC_343_Darlaston_Rd	46022	M6	22.4	2.1	24.5	22.4	0.1	22.5
WDC_367_Darlaston_Rd	37726	A4038	21.5	1.8	23.3	21.5	0.1	21.6
WDC_M6_Willenhall_WV12	38071	M6	21.3	1.8	23.1	21.3	0.4	21.7

**Table 7.7.3: Compliance Risk Assessment based on 2017 Baseline PCM Model Results - 2036**

Receptor Name	DEFRA Link Census ID	Road Name	Original Results			Revised Results		
			PCM Model Concentration Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	Change in NO <sub>2</sub> Concentration due to Scheme	CRRN Model Result (PCM Model + Scheme Impact) Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	PCM Model Concentration Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )	Change in NO <sub>2</sub> Concentration due to Scheme	CRRN Model Result (PCM Model + Scheme Impact) Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )
CCC_210_Watling_St	6140	A5	15.5	1.0	16.5	15.5	0.3	15.9
CCC_25_Watling_St	80811	A5	19.6	1.0	20.6	19.6	0.1	19.7
CCC_2A_Mill_St	99283	A34	17.8	0.4	18.2	17.8	0.1	17.9
CCC_54WS	80811	A5	19.6	1.3	20.9	19.6	0.7	20.4
CCC_67WS	80811	A5	19.6	0.8	20.4	19.6	0.7	20.3
CCC_Cromwell_House	99283	A34	17.8	0.5	18.3	17.8	0.1	17.9
SBC_M6_Stafford	16027	M6	20.9	0.2	21.1	20.9	0.7	21.5
SSC_M6_Stafford_	16027	M6	20.9	0.4	21.3	20.9	0.2	21.0
SSC_SA2	57224	A4601	15.4	0.2	15.6	15.4	0.1	15.5
SSC_SA5	57224	A4601	15.4	0.2	15.6	15.4	0.1	15.5
SSC_SA6	57224	A4601	15.4	0.2	15.6	15.4	0.1	15.5
SSC_Tudor_Cottage	6140	A5	15.5	1.7	17.2	15.5	0.7	16.2
TWC_3_Aralia_Cl	81223	A4640	12.5	0.0	12.5	12.5	0.4	12.9
TWC_A5_St_George	56132	A5	11.4	0.0	11.4	11.4	0.6	12.0
TWC_Castle_Farm_Way-2	81223	A4640	12.5	0.0	12.5	12.5	0.3	12.8
TWC_Park_Inn_By_Radisson_Telford	18099	A5	14.5	0.1	14.6	14.5	0.1	14.7
TWC_Tarmacked_Dr	56132	A5	11.4	0.0	11.4	11.4	0.5	12.0
WCC_1_Knox_Rd	57243	A459	17.8	0.0	17.8	17.8	0.0	17.8
WCC_1_Pennant_Ct	17119	A449	21.0	0.1	21.1	21.0	0.0	21.1
WCC_1_Sherrans_Dell	73431	A459	14.7	0.1	14.8	14.7	0.0	14.7
WCC_215_Bilston_Rd	58124	A41	22.6	0.0	22.6	22.6	0.0	22.6
WCC_224_A41	56397	A41	17.8	0.1	17.9	17.8	0.0	17.8
WCC_255-257_Birmingham_Rd	17842	A4123	17.3	0.1	17.4	17.3	0.0	17.3
WCC_281_Birmingham_Rd	17842	A4123	17.3	0.1	17.4	17.3	0.0	17.3
WCC_3_Elm_Farm_Rd	17842	A4123	17.3	0.0	17.3	17.3	0.0	17.3
WCC_35_Navigation_St	58124	A41	22.6	0.0	22.3	22.6	0.0	22.6

<b>Table 7.7.3: Compliance Risk Assessment based on 2017 Baseline PCM Model Results - 2036</b>								
WCC_4_Compton_Rd	57201	A454	15.9	0.2	16.1	15.9	0.0	16.0
WCC_405_Bilston_Rd	56397	A41	17.8	0.1	17.9	17.8	0.0	17.8
WCC_414_Willenhall_Rd	7177	A454	19.7	0.1	19.8	19.7	0.0	19.7
WCC_416_Stafford_Rd	57118	A449	22.5	1.1	23.6	22.5	0.2	22.7
WCC_510_Wolverhampton_Rd_E	73431	A459	14.7	0.2	14.9	14.7	0.0	14.7
WCC_9_Crawford_Rd	57201	A454	15.9	0.3	16.2	15.9	0.0	16.0
WCC_BIL1	56397	A41	17.8	0.1	17.9	17.8	0.0	17.8
WCC_BIL2	26452	A41	19.0	0.0	19.0	19.0	0.0	19.0
WCC_BIL3	26452	A41	19.0	0.0	19.0	19.0	0.0	19.0
WCC_BIL4	26452	A41	19.0	0.0	19.0	19.0	0.0	19.0
WCC_BRI	57201	A454	15.9	0.1	16.0	15.9	0.0	16.0
WCC_DUD	57243	A459	17.8	0.0	17.8	17.8	0.0	17.8
WCC_HOR	57201	A454	15.9	0.1	16.0	15.9	0.0	16.0
WCC_Horseley_Fields	57201	A454	15.9	0.2	16.1	15.9	0.0	16.0
WCC_Royal_Junior_Sch	17119	A449	21.0	0.1	21.1	21.0	0.0	21.1
WCC_STA1	57118	A449	22.5	0.7	23.2	22.5	0.2	22.7
WCC_Stafford_St	57118	A449	22.5	1.6	24.1	22.5	0.1	22.7
WCC_Wolverhampton_Grammer_Sch	57201	A454	15.9	0.1	16.0	15.9	0.0	16.0
WCC_WRE	73431	A459	14.7	0.1	14.8	14.7	0.0	14.7
WDC_265-369_Essington_Rd	74015	A462	16.7	0.1	16.8	16.7	0.4	17.1
WDC_308_Darlaston_Rd	37726	A4038	20.2	0.9	21.1	20.2	0.0	20.2
WDC_32_Murdock_Way	38071	M6	20.0	0.9	20.9	20.0	0.1	20.1
WDC_343_Darlaston_Rd	46022	M6	21.1	1.2	22.3	21.1	0.1	21.2
WDC_367_Darlaston_Rd	37726	A4038	20.2	0.9	21.1	20.2	0.1	20.3
WDC_M6_Willenhall_WV12	38071	M6	20.0	1.1	21.1	20.0	0.5	20.5