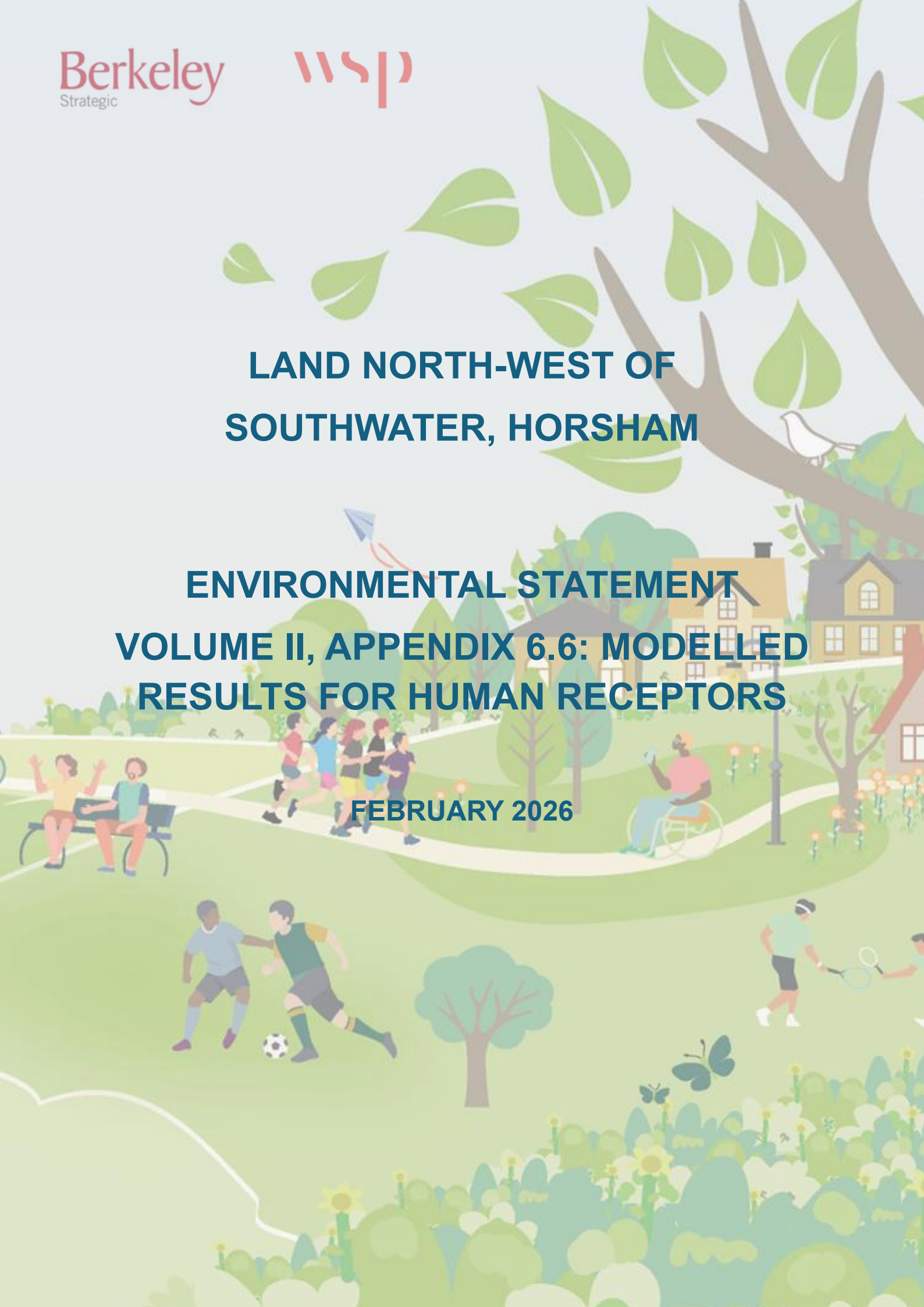


**LAND NORTH-WEST OF
SOUTHWATER, HORSHAM**

**ENVIRONMENTAL STATEMENT
VOLUME II, APPENDIX 6.6: MODELLED
RESULTS FOR HUMAN RECEPTORS**

FEBRUARY 2026





CONTENTS

6.6	MODELLED RESULTS FOR HUMAN RECEPTORS	1
------------	---------------------------------------------	----------

6.6 MODELLED RESULTS FOR HUMAN RECEPTORS

Table 6-6-1: Annual mean NO₂

Receptor ID	Annual Mean NO ₂ Concentrations (µg/m ³)					
	2024 Baseline	2036 Without Proposed Development	2036 With Proposed Development	Change (µg/m ³)	% Change Relative to Air Quality Standard	Impact
R_1	8.3	5.9	5.9	0.0	<0.5	Negligible
R_2	8.5	6.0	5.9	-0.1	<0.5	Negligible
R_3	8.8	5.99	6.05	<0.1	<0.5	Negligible
R_4	8.6	5.9	6.1	0.1	<0.5	Negligible
R_5	8.1	5.8	5.9	0.1	<0.5	Negligible
R_6	8.4	5.9	6.0	0.1	<0.5	Negligible
R_7	8.4	5.7	5.7	0.0	<0.5	Negligible
R_8	9.6	5.9	5.8	-0.1	<0.5	Negligible
R_9	7.8	5.6	5.6	<0.1	<0.5	Negligible
R_10	9.6	5.9	6.0	<0.1	<0.5	Negligible
R_11	9.4	6.0	6.0	<0.1	<0.5	Negligible
R_12	9.5	6.0	6.2	0.2	1	Negligible
R_13	8.3	5.7	5.7	0.0	<0.5	Negligible
R_14	7.6	5.4	5.4	0.0	<0.5	Negligible
R_15	7.6	5.5	5.4	0.0	<0.5	Negligible
R_16	8.9	5.9	6.1	0.2	1	Negligible
R_17	7.7	5.4	5.4	<0.1	<0.5	Negligible
R_18	7.6	5.4	5.4	<0.1	<0.5	Negligible
R_19	8.8	5.6	5.6	<0.1	<0.5	Negligible
R_20	10.5	5.8	5.8	<0.1	<0.5	Negligible
R_21	9.2	5.4	5.4	<0.1	<0.5	Negligible

Receptor ID	Annual Mean NO ₂ Concentrations (µg/m ³)					
	2024 Baseline	2036 Without Proposed Development	2036 With Proposed Development	Change (µg/m ³)	% Change Relative to Air Quality Standard	Impact
R_22	9.7	5.5	5.5	<0.1	<0.5	Negligible
R_23	11.8	6.1	6.1	<0.1	<0.5	Negligible
R_24	8.0	5.6	5.6	<0.1	<0.5	Negligible
R_25	9.4	6.0	6.0	<0.1	<0.5	Negligible
R_26	9.5	6.2	6.3	<0.1	<0.5	Negligible
R_27	14.4	7.5	7.5	<0.1	<0.5	Negligible
R_28	13.9	7.4	7.4	<0.1	<0.5	Negligible
R_29	9.6	6.2	6.2	<0.1	<0.5	Negligible
R_30	12.5	7.0	7.0	<0.1	<0.5	Negligible
R_31	11.4	6.6	6.7	<0.1	<0.5	Negligible
R_32	10.3	6.3	6.3	<0.1	<0.5	Negligible
R_33	11.7	6.6	6.6	<0.1	<0.5	Negligible
R_34	13.5	7.3	7.3	<0.1	<0.5	Negligible
FR_35	-	-	5.9	-	-	APEC A
FR_36	-	-	5.8	-	-	APEC A
FR_37	-	-	5.8	-	-	APEC A
FR_38	-	-	5.8	-	-	APEC A

Table 6-6-2: Annual mean PM₁₀

Receptor ID	Annual Mean PM ₁₀ Concentrations (µg/m ³)					Impact
	2024 Baseline	2036 Without Proposed Development	2036 With Proposed Development	Change (µg/m ³)	% Change Relative to Air Quality Standard	
R_1	10.5	9.8	9.7	-0.1	<0.5	Negligible
R_2	10.5	9.8	9.8	-0.1	<0.5	Negligible
R_3	10.6	9.9	9.9	<0.1	<0.5	Negligible
R_4	10.6	9.8	10.0	0.2	1	Negligible
R_5	10.4	9.6	9.8	0.2	<0.5	Negligible
R_6	10.5	9.7	9.9	0.2	1	Negligible
R_7	11.0	10.3	10.3	<0.1	<0.5	Negligible
R_8	11.4	10.5	10.5	-0.1	<0.5	Negligible
R_9	10.9	10.1	10.1	<0.1	<0.5	Negligible
R_10	10.8	10.0	10.1	0.1	<0.5	Negligible
R_11	10.7	10.0	10.0	<0.1	<0.5	Negligible
R_12	10.8	10.2	10.4	0.3	1	Negligible
R_13	10.6	9.9	9.8	0.0	<0.5	Negligible
R_14	10.6	9.9	9.8	-0.1	<0.5	Negligible
R_15	10.6	9.9	9.8	0.0	<0.5	Negligible
R_16	10.7	10.0	10.3	0.2	1	Negligible
R_17	10.7	10.0	10.0	<0.1	<0.5	Negligible
R_18	11.3	10.5	10.6	<0.1	<0.5	Negligible
R_19	11.1	10.3	10.3	<0.1	<0.5	Negligible
R_20	10.9	10.0	10.0	<0.1	<0.5	Negligible
R_21	11.1	10.2	10.3	<0.1	<0.5	Negligible
R_22	11.0	10.3	10.3	<0.1	<0.5	Negligible
R_23	11.7	11.3	11.3	<0.1	<0.5	Negligible

Receptor ID	Annual Mean PM ₁₀ Concentrations (µg/m ³)					
	2024 Baseline	2036 Without Proposed Development	2036 With Proposed Development	Change (µg/m ³)	% Change Relative to Air Quality Standard	Impact
R_24	10.3	9.5	9.6	<0.1	<0.5	Negligible
R_25	10.7	10.1	10.2	<0.1	<0.5	Negligible
R_26	10.9	10.2	10.3	<0.1	<0.5	Negligible
R_27	12.9	12.3	12.3	<0.1	<0.5	Negligible
R_28	12.7	12.1	12.1	<0.1	<0.5	Negligible
R_29	10.8	10.1	10.2	<0.1	<0.5	Negligible
R_30	11.6	11.2	11.4	0.1	<0.5	Negligible
R_31	11.4	10.9	10.9	<0.1	<0.5	Negligible
R_32	11.0	10.3	10.3	<0.1	<0.5	Negligible
R_33	11.4	10.7	10.7	<0.1	<0.5	Negligible
R_34	12.3	11.7	11.7	<0.1	<0.5	Negligible
FR_35	-	-	9.8	-	-	APEC A
FR_36	-	-	10.0	-	-	APEC A
FR_37	-	-	10.0	-	-	APEC A
FR_38	-	-	9.9	-	-	APEC A



Table 6-6-3: Annual mean PM_{2.5} results

Receptor ID	Annual Mean PM _{2.5} Concentrations (µg/m ³)					
	2024 Baseline	2036 Without Proposed Development	2036 With Proposed Development	Change (µg/m ³)	% Change Relative to Air Quality Standard	Impact
R_1	R_1	6.6	5.9	5.8	0.0	<0.5
R_2	R_2	6.6	5.9	5.9	0.0	<0.5
R_3	R_3	6.6	5.9	6.0	<0.1	<0.5
R_4	R_4	6.6	5.9	6.0	<0.1	1.0
R_5	R_5	6.5	5.8	5.9	<0.1	<0.5
R_6	R_6	6.6	5.8	5.9	<0.1	1.0
R_7	R_7	6.5	5.8	5.8	<0.1	<0.5
R_8	R_8	6.6	5.9	5.9	0.0	<0.5
R_9	R_9	6.4	5.7	5.7	<0.1	<0.5
R_10	R_10	6.5	5.8	5.9	<0.1	<0.5
R_11	R_11	6.4	5.8	5.8	<0.1	<0.5
R_12	R_12	6.5	5.9	6.0	0.1	1.0
R_13	R_13	6.3	5.7	5.7	0.0	<0.5
R_14	R_14	6.2	5.6	5.6	0.0	<0.5
R_15	R_15	6.2	5.6	5.6	0.0	<0.5
R_16	R_16	6.4	5.8	5.9	0.1	1.0
R_17	R_17	6.3	5.6	5.6	<0.1	<0.5
R_18	R_18	6.3	5.6	5.7	<0.1	<0.5
R_19	R_19	6.5	5.8	5.8	<0.1	<0.5
R_20	R_20	6.6	5.9	5.9	<0.1	<0.5
R_21	R_21	6.5	5.7	5.7	<0.1	<0.5
R_22	R_22	6.5	5.9	5.9	<0.1	<0.5
R_23	R_23	6.9	6.4	6.4	<0.1	<0.5

Receptor ID	Annual Mean PM _{2.5} Concentrations (µg/m ³)					
	2024 Baseline	2036 Without Proposed Development	2036 With Proposed Development	Change (µg/m ³)	% Change Relative to Air Quality Standard	Impact
R_24	R_24	6.3	5.6	5.6	<0.1	<0.5
R_25	R_25	6.5	5.9	6.0	<0.1	<0.5
R_26	R_26	6.6	6.0	6.0	<0.1	<0.5
R_27	R_27	7.4	6.7	6.7	<0.1	<0.5
R_28	R_28	7.3	6.7	6.7	<0.1	<0.5
R_29	R_29	6.7	6.0	6.0	<0.1	<0.5
R_30	R_30	7.1	6.6	6.7	<0.1	<0.5
R_31	R_31	7.0	6.4	6.4	<0.1	<0.5
R_32	R_32	6.7	6.1	6.1	<0.1	<0.5
R_33	R_33	7.0	6.3	6.3	<0.1	<0.5
R_34	R_34	7.2	6.6	6.6	<0.1	<0.5
FR_35	-	-	5.8	-	-	1.0
FR_36	-	-	5.6	-	-	1.0
FR_37	-	-	5.6	-	-	1.0
FR_38	-	-	5.7	-	-	<0.5



WSP House
70 Chancery Lane
London
WC2A 1AF

wsp.com