

## Modelled Pollutant Concentrations

### Development Impact

2026 NO <sub>2</sub>										
Receptor name	X(m)	Y(m)	Z(m)	Scenario 1	Scenario 3	Sc3-Sc1	% Change	Scenario 1 AQAL	Scenario 3 AQAL	Sc3- Sc1 Impact Descriptor
North Bar	445349.3	240758.1	2	26.7	26.7	0.00	0%	67%	67%	Negligible
Horsefair	445353.7	240591.6	2.5	28.28	28.28	0.00	0%	71%	71%	Negligible
Hennef Way	446534.5	241719.3	2	<b>54.32</b>	<b>55.81</b>	1.49	4%	136%	140%	Substantial
Stroud Close 1	446334	241676	2	17.69	17.96	0.27	1%	44%	45%	Negligible
1	446686	241716	1.5	17.72	17.97	0.25	1%	44%	45%	Negligible
2	446618	241713	1.5	16.65	16.88	0.23	1%	42%	42%	Negligible
3	446542.2	241718.3	1.5	22.9	23.36	0.46	1%	57%	58%	Negligible
4	446333.6	241683.8	1.5	22.36	22.8	0.44	1%	56%	57%	Negligible
5	445371.8	240853.6	1.5	26.9	26.9	0.00	0%	67%	67%	Negligible
6	445373.1	240827.2	1.5	26.27	26.27	0.00	0%	66%	66%	Negligible
7	445371.5	240810.2	4	22.17	22.18	0.01	0%	55%	55%	Negligible
8	445345	240765.6	1.5	21.62	21.62	0.00	0%	54%	54%	Negligible
9	445350.8	240743.3	1.5	22.43	22.44	0.01	0%	56%	56%	Negligible
8a	445345	240765.6	4	17.79	17.79	0.00	0%	44%	44%	Negligible
9a	445350.8	240765.6	4	20.3	20.31	0.01	0%	51%	51%	Negligible
5a	445371.8	240853.6	4	20.22	20.23	0.01	0%	51%	51%	Negligible
6a	445373.1	240827.2	4	20.77	20.77	0.00	0%	52%	52%	Negligible

\*2023 Background Concentrations and Emissions

**2026 PM<sub>10</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 1	Scenario 3	Sc3- Sc1	% Change	Scenario 1 AQAL	Scenario 3 AQAL	Sc3- Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	18.54	18.54	0.00	0%	46%	46%	Negligible
Horsefair	445353.7	240591.6	2.5	18.19	18.19	0.00	0%	45%	45%	Negligible
Hennef Way	446534.5	241719.3	2	29.90	30.51	0.61	2%	75%	76%	Slight
Stroud Close 1	446334	241676	2	17.76	17.84	0.08	0%	44%	45%	Negligible
1	446686	241716	1.5	17.22	17.27	0.06	0%	43%	43%	Negligible
2	446618	241713	1.5	17.32	17.39	0.06	0%	43%	43%	Negligible
3	446542.2	241718.3	1.5	19.33	19.47	0.14	0%	48%	49%	Negligible
4	446333.6	241683.8	1.5	19.19	19.33	0.14	0%	48%	48%	Negligible
5	445371.8	240853.6	1.5	18.67	18.67	0.00	0%	47%	47%	Negligible
6	445373.1	240827.2	1.5	17.98	17.98	0.00	0%	45%	45%	Negligible
7	445371.5	240810.2	4	16.80	16.80	0.00	0%	42%	42%	Negligible
8	445345	240765.6	1.5	16.62	16.62	0.00	0%	42%	42%	Negligible
9	445350.8	240743.3	1.5	16.88	16.88	0.00	0%	42%	42%	Negligible
8a	445345	240765.6	4	15.97	15.97	0.00	0%	40%	40%	Negligible
9a	445350.8	240765.6	4	16.39	16.39	0.00	0%	41%	41%	Negligible
5a	445371.8	240853.6	4	16.95	16.95	0.00	0%	42%	42%	Negligible
6a	445373.1	240827.2	4	16.77	16.77	0.00	0%	42%	42%	Negligible

\*2023 Background Concentrations and Emissions

2041 NO<sub>2</sub>

Receptor name	X(m)	Y(m)	Z(m)	Scenario 1	Scenario 3	Sc3-Sc1	% Change	Scenario 1 AQAL	Scenario 3 AQAL	Sc3- Sc1 Impact Descriptor
North Bar	445349.3	240758.1	2	28.39	28.29	-0.10	0%	71%	71%	Negligible
Horsefair	445353.7	240591.6	2.5	30.22	30.12	-0.10	0%	76%	75%	Negligible
Hennef Way	446534.5	241719.3	2	<b>58.56</b>	<b>60.03</b>	1.47	4%	146%	150%	Substantial
Stroud Close 1	446334	241676	2	18.39	18.66	0.27	1%	46%	47%	Negligible
1	446686	241716	1.5	18.43	18.68	0.25	1%	46%	47%	Negligible
2	446618	241713	1.5	17.25	17.48	0.23	1%	43%	44%	Negligible
3	446542.2	241718.3	1.5	24.11	24.58	0.47	1%	60%	61%	Negligible
4	446333.6	241683.8	1.5	23.52	23.96	0.44	1%	59%	60%	Negligible
5	445371.8	240853.6	1.5	28.67	28.61	-0.06	0%	72%	72%	Negligible
6	445373.1	240827.2	1.5	28.01	27.93	-0.08	0%	70%	70%	Negligible
7	445371.5	240810.2	4	23.52	23.45	-0.07	0%	59%	59%	Negligible
8	445345	240765.6	1.5	22.92	22.84	-0.08	0%	57%	57%	Negligible
9	445350.8	240743.3	1.5	23.8	23.73	-0.07	0%	60%	59%	Negligible
8a	445345	240765.6	4	18.68	18.63	-0.05	0%	47%	47%	Negligible
9a	445350.8	240765.6	4	21.46	21.39	-0.07	0%	54%	53%	Negligible
5a	445371.8	240853.6	4	21.34	21.3	-0.04	0%	53%	53%	Negligible
6a	445373.1	240827.2	4	21.96	21.91	-0.05	0%	55%	55%	Negligible

\*2023 Background Concentrations and Emissions

**2041 PM<sub>10</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 1	Scenario 3	Sc3-Sc1	% Change	Scenario 1 AQAL	Scenario 3 AQAL	Sc3- Sc1 Impact Descriptor
North Bar	445349.3	240758.1	2	18.85	18.84	-0.01	0%	47%	47%	Negligible
Horsefair	445353.7	240591.6	2.5	18.60	18.59	-0.01	0%	46%	46%	Negligible
Hennef Way	446534.5	241719.3	2	31.70	32.33	0.63	2%	79%	81%	Slight
Stroud Close 1	446334	241676	2	17.97	18.05	0.08	0%	45%	45%	Negligible
1	446686	241716	1.5	17.37	17.43	0.06	0%	43%	44%	Negligible
2	446618	241713	1.5	17.49	17.55	0.06	0%	44%	44%	Negligible
3	446542.2	241718.3	1.5	19.71	19.85	0.14	0%	49%	50%	Negligible
4	446333.6	241683.8	1.5	19.55	19.69	0.14	0%	49%	49%	Negligible
5	445371.8	240853.6	1.5	19.13	19.11	-0.01	0%	48%	48%	Negligible
6	445373.1	240827.2	1.5	18.36	18.35	-0.01	0%	46%	46%	Negligible
7	445371.5	240810.2	4	17.05	17.04	-0.01	0%	43%	43%	Negligible
8	445345	240765.6	1.5	16.85	16.84	-0.01	0%	42%	42%	Negligible
9	445350.8	240743.3	1.5	17.14	17.13	-0.01	0%	43%	43%	Negligible
8a	445345	240765.6	4	16.12	16.12	0.00	0%	40%	40%	Negligible
9a	445350.8	240765.6	4	16.60	16.59	-0.01	0%	41%	41%	Negligible
5a	445371.8	240853.6	4	17.21	17.21	-0.01	0%	43%	43%	Negligible
6a	445373.1	240827.2	4	17.02	17.01	-0.01	0%	43%	43%	Negligible

\*2023 Background Concentrations and Emissions

**2026 NO<sub>2</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 1	Scenario 3	Sc3-Sc1	% Change	Scenario 1 AQAL	Scenario 3 AQAL	Sc3- Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	21.57	21.57	0.00	0%	54%	54%	Negligible
Horsefair	445353.7	240591.6	2.5	22.55	22.55	0.00	0%	56%	56%	Negligible
Hennef Way	446534.5	241719.3	2	<b>42.55</b>	<b>43.74</b>	1.19	3%	106%	109%	Substantial
Stroud Close 1	446334	241676	2	14.88	15.08	0.20	0%	37%	38%	Negligible
1	446686	241716	1.5	14.89	15.07	0.18	0%	37%	38%	Negligible
2	446618	241713	1.5	14.13	14.3	0.17	0%	35%	36%	Negligible
3	446542.2	241718.3	1.5	18.67	19.01	0.34	1%	47%	48%	Negligible
4	446333.6	241683.8	1.5	18.27	18.6	0.33	1%	46%	47%	Negligible
5	445371.8	240853.6	1.5	21.55	21.56	0.01	0%	54%	54%	Negligible
6	445373.1	240827.2	1.5	21.1	21.1	0.00	0%	53%	53%	Negligible
7	445371.5	240810.2	4	18.06	18.06	0.00	0%	45%	45%	Negligible
8	445345	240765.6	1.5	17.65	17.65	0.00	0%	44%	44%	Negligible
9	445350.8	240743.3	1.5	18.23	18.23	0.00	0%	46%	46%	Negligible
8a	445345	240765.6	4	14.83	14.84	0.01	0%	37%	37%	Negligible
9a	445350.8	240765.6	4	16.68	16.68	0.00	0%	42%	42%	Negligible
5a	445371.8	240853.6	4	16.62	16.62	0.00	0%	42%	42%	Negligible
6a	445373.1	240827.2	4	17.02	17.02	0.00	0%	43%	43%	Negligible

\*2026 Backgrounds Concentrations and Emissions

**2026 PM<sub>10</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 1	Scenario 3	Sc3-Sc1	% Change	Scenario 1 AQAL	Scenario 3 AQAL	Sc3- Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	18.12	18.12	0.00	0%	45%	45%	Negligible
Horsefair	445353.7	240591.6	2.5	17.77	17.77	0.00	0%	44%	44%	Negligible
Hennef Way	446534.5	241719.3	2	29.47	30.08	0.61	2%	74%	75%	Slight
Stroud Close 1	446334	241676	2	17.37	17.45	0.08	0%	43%	44%	Negligible
1	446686	241716	1.5	16.83	16.88	0.06	0%	42%	42%	Negligible
2	446618	241713	1.5	16.94	17.00	0.06	0%	42%	43%	Negligible
3	446542.2	241718.3	1.5	18.92	19.06	0.14	0%	47%	48%	Negligible
4	446333.6	241683.8	1.5	18.78	18.92	0.13	0%	47%	47%	Negligible
5	445371.8	240853.6	1.5	18.25	18.25	0.00	0%	46%	46%	Negligible
6	445373.1	240827.2	1.5	17.57	17.57	0.00	0%	44%	44%	Negligible
7	445371.5	240810.2	4	16.40	16.40	0.00	0%	41%	41%	Negligible
8	445345	240765.6	1.5	16.22	16.22	0.00	0%	41%	41%	Negligible
9	445350.8	240743.3	1.5	16.48	16.48	0.00	0%	41%	41%	Negligible
8a	445345	240765.6	4	15.59	15.59	0.00	0%	39%	39%	Negligible
9a	445350.8	240765.6	4	16.00	16.00	0.00	0%	40%	40%	Negligible
5a	445371.8	240853.6	4	16.56	16.56	0.00	0%	41%	41%	Negligible
6a	445373.1	240827.2	4	16.38	16.38	0.00	0%	41%	41%	Negligible

\*2026 Backgrounds Concentrations and Emissions

**2041 NO<sub>2</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 1	Scenario 3	Sc3- Sc1	% Change	Sceanrio 1AQAL	Scenario 3 AQAL	Sc3- Sc1 Impact Descriptor
North Bar	445349.3	240758.1	2	18.18	18.13	-0.05	0%	45%	45%	Negligible
Horsefair	445353.7	240591.6	2.5	18.72	18.67	-0.05	0%	47%	47%	Negligible
Hennef Way	446534.5	241719.3	2	<b>33.89</b>	<b>34.72</b>	0.83	2%	85%	87%	Slight
Stroud Close 1	446334	241676	2	12.98	13.11	0.13	0%	32%	33%	Negligible
1	446686	241716	1.5	13.05	13.17	0.12	0%	33%	33%	Negligible
2	446618	241713	1.5	12.44	12.55	0.11	0%	31%	31%	Negligible
3	446542.2	241718.3	1.5	15.78	16.01	0.23	1%	39%	40%	Negligible
4	446333.6	241683.8	1.5	15.48	15.7	0.22	1%	39%	39%	Negligible
5	445371.8	240853.6	1.5	17.89	17.86	-0.03	0%	45%	45%	Negligible
6	445373.1	240827.2	1.5	17.64	17.6	-0.04	0%	44%	44%	Negligible
7	445371.5	240810.2	4	15.4	15.35	-0.05	0%	39%	38%	Negligible
8	445345	240765.6	1.5	15.09	15.05	-0.04	0%	38%	38%	Negligible
9	445350.8	240743.3	1.5	15.49	15.45	-0.04	0%	39%	39%	Negligible
8a	445345	240765.6	4	12.94	12.91	-0.03	0%	32%	32%	Negligible
9a	445350.8	240765.6	4	14.35	14.31	-0.04	0%	36%	36%	Negligible
5a	445371.8	240853.6	4	14.19	14.17	-0.02	0%	35%	35%	Negligible
6a	445373.1	240827.2	4	14.56	14.53	-0.03	0%	36%	36%	Negligible

\*2030 Background Concentrations and Emissions

**2041 PM<sub>10</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 1	Scenario 3	Sc3-Sc1	% Change	Scenario 1 AQAL	Scenario 3 AQAL	Sc3- Sc1 Impact Descriptor
North Bar	445349.3	240758.1	2	18.30	18.29	-0.01	0%	46%	46%	Negligible
Horsefair	445353.7	240591.6	2.5	18.05	18.04	-0.01	0%	45%	45%	Negligible
Hennef Way	446534.5	241719.3	2	30.92	31.54	0.61	2%	77%	79%	Slight
Stroud Close 1	446334	241676	2	17.48	17.56	0.08	0%	44%	44%	Negligible
1	446686	241716	1.5	16.88	16.94	0.06	0%	42%	42%	Negligible
2	446618	241713	1.5	17.01	17.07	0.06	0%	43%	43%	Negligible
3	446542.2	241718.3	1.5	19.18	19.32	0.14	0%	48%	48%	Negligible
4	446333.6	241683.8	1.5	19.04	19.17	0.13	0%	48%	48%	Negligible
5	445371.8	240853.6	1.5	18.59	18.58	-0.01	0%	46%	46%	Negligible
6	445373.1	240827.2	1.5	17.83	17.82	-0.01	0%	45%	45%	Negligible
7	445371.5	240810.2	4	16.54	16.54	-0.01	0%	41%	41%	Negligible
8	445345	240765.6	1.5	16.35	16.34	-0.01	0%	41%	41%	Negligible
9	445350.8	240743.3	1.5	16.63	16.63	-0.01	0%	42%	42%	Negligible
8a	445345	240765.6	4	15.65	15.65	0.00	0%	39%	39%	Negligible
9a	445350.8	240765.6	4	16.11	16.10	0.00	0%	40%	40%	Negligible
5a	445371.8	240853.6	4	16.73	16.72	-0.01	0%	42%	42%	Negligible
6a	445373.1	240827.2	4	16.52	16.52	-0.01	0%	41%	41%	Negligible

\*2030 Background Concentrations and Emissions



Cumulative Effects

2026 NO <sub>2</sub>										
Receptor name	X(m)	Y(m)	Z(m)	Scenario 2	Scenario 4	Sc4-Sc2	% Change	Scenario 2 AQAL	Scenario 4 AQAL	Sc4-Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	26.72	26.72	0.00	0%	67%	67%	Negligible
Horsefair	445353.7	240591.6	2.5	28.3	28.3	0.00	0%	71%	71%	Negligible
Hennef Way	446534.5	241719.3	2	<b>54.76</b>	<b>56.3</b>	1.54	4%	137%	141%	Substantial
Stroud Close 1	446334	241676	2	17.77	18.05	0.28	1%	44%	45%	Negligible
1	446686	241716	1.5	17.8	18.07	0.27	1%	45%	45%	Negligible
2	446618	241713	1.5	16.72	16.96	0.24	1%	42%	42%	Negligible
3	446542.2	241718.3	1.5	23.04	23.52	0.48	1%	58%	59%	Negligible
4	446333.6	241683.8	1.5	22.49	22.95	0.46	1%	56%	57%	Negligible
5	445371.8	240853.6	1.5	26.91	26.92	0.01	0%	67%	67%	Negligible
6	445373.1	240827.2	1.5	26.29	26.29	0.00	0%	66%	66%	Negligible
7	445371.5	240810.2	4	22.19	22.19	0.00	0%	55%	55%	Negligible
8	445345	240765.6	1.5	21.63	21.64	0.01	0%	54%	54%	Negligible
9	445350.8	240743.3	1.5	22.45	22.45	0.00	0%	56%	56%	Negligible
8a	445345	240765.6	4	17.8	17.8	0.00	0%	45%	45%	Negligible
9a	445350.8	240765.6	4	20.31	20.32	0.01	0%	51%	51%	Negligible
5a	445371.8	240853.6	4	20.24	20.24	0.00	0%	51%	51%	Negligible
6a	445373.1	240827.2	4	20.78	20.78	0.00	0%	52%	52%	Negligible

\*2023 Background Concentrations and Emissions

2026 PM <sub>10</sub>										
Receptor name	X(m)	Y(m)	Z(m)	Scenario 2	Scenario 4	Sc4-Sc2	% Change	Scenario 2 AQAL	Scenario 4 AQAL	Sc4-Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	18.55	18.55	0.00	0%	46%	46%	Negligible
Horsefair	445353.7	240591.6	2.5	18.20	18.20	0.00	0%	45%	45%	Negligible
Hennef Way	446534.5	241719.3	2	30.09	30.73	0.64	2%	75%	77%	Slight
Stroud Close 1	446334	241676	2	17.78	17.87	0.08	0%	44%	45%	Negligible
1	446686	241716	1.5	17.23	17.29	0.06	0%	43%	43%	Negligible
2	446618	241713	1.5	17.34	17.41	0.06	0%	43%	44%	Negligible
3	446542.2	241718.3	1.5	19.37	19.52	0.15	0%	48%	49%	Negligible
4	446333.6	241683.8	1.5	19.23	19.37	0.14	0%	48%	48%	Negligible
5	445371.8	240853.6	1.5	18.67	18.68	0.00	0%	47%	47%	Negligible
6	445373.1	240827.2	1.5	17.99	17.99	0.00	0%	45%	45%	Negligible
7	445371.5	240810.2	4	16.80	16.80	0.00	0%	42%	42%	Negligible
8	445345	240765.6	1.5	16.62	16.62	0.00	0%	42%	42%	Negligible
9	445350.8	240743.3	1.5	16.88	16.88	0.00	0%	42%	42%	Negligible
8a	445345	240765.6	4	15.97	15.97	0.00	0%	40%	40%	Negligible
9a	445350.8	240765.6	4	16.40	16.40	0.00	0%	41%	41%	Negligible
5a	445371.8	240853.6	4	16.95	16.95	0.00	0%	42%	42%	Negligible
6a	445373.1	240827.2	4	16.77	16.78	0.00	0%	42%	42%	Negligible

\*2023 Background Concentrations and Emissions

**2041 NO<sub>2</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 2	Scenario 4	Sc4-Sc2	% Change	Scenario 2 AQAL	Scenario 4 AQAL	Sc4-Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	28.3	28.3	0.00	0%	71%	71%	Negligible
Horsefair	445353.7	240591.6	2.5	30.14	30.14	0.00	0%	75%	75%	Negligible
Hennef Way	446534.5	241719.3	2	<b>59.01</b>	<b>60.52</b>	1.51	4%	148%	151%	Substantial
Stroud Close 1	446334	241676	2	18.48	18.75	0.27	1%	46%	47%	Negligible
1	446686	241716	1.5	18.51	18.78	0.27	1%	46%	47%	Negligible
2	446618	241713	1.5	17.32	17.56	0.24	1%	43%	44%	Negligible
3	446542.2	241718.3	1.5	24.26	24.73	0.47	1%	61%	62%	Negligible
4	446333.6	241683.8	1.5	23.65	24.11	0.46	1%	59%	60%	Negligible
5	445371.8	240853.6	1.5	28.62	28.63	0.01	0%	72%	72%	Negligible
6	445373.1	240827.2	1.5	27.95	27.95	0.00	0%	70%	70%	Negligible
7	445371.5	240810.2	4	23.46	23.46	0.00	0%	59%	59%	Negligible
8	445345	240765.6	1.5	22.85	22.86	0.01	0%	57%	57%	Negligible
9	445350.8	240743.3	1.5	23.74	23.75	0.01	0%	59%	59%	Negligible
8a	445345	240765.6	4	18.64	18.64	0.00	0%	47%	47%	Negligible
9a	445350.8	240765.6	4	21.4	21.4	0.00	0%	54%	54%	Negligible
5a	445371.8	240853.6	4	21.31	21.32	0.01	0%	53%	53%	Negligible
6a	445373.1	240827.2	4	21.91	21.92	0.01	0%	55%	55%	Negligible

\*2023 Background Concentrations and Emissions

**2041 PM<sub>10</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 2	Scenario 4	Sc4-Sc2	% Change	Scenario 2 AQAL	Scenario 4 AQAL	Sc4-Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	18.84	18.84	0.00	0%	47%	47%	Negligible
Horsefair	445353.7	240591.6	2.5	18.59	18.59	0.00	0%	46%	46%	Negligible
Hennef Way	446534.5	241719.3	2	31.90	32.55	0.65	2%	80%	81%	Slight
Stroud Close 1	446334	241676	2	18.00	18.08	0.08	0%	45%	45%	Negligible
1	446686	241716	1.5	17.39	17.45	0.06	0%	43%	44%	Negligible
2	446618	241713	1.5	17.51	17.57	0.06	0%	44%	44%	Negligible
3	446542.2	241718.3	1.5	19.75	19.90	0.15	0%	49%	50%	Negligible
4	446333.6	241683.8	1.5	19.60	19.74	0.14	0%	49%	49%	Negligible
5	445371.8	240853.6	1.5	19.12	19.12	0.00	0%	48%	48%	Negligible
6	445373.1	240827.2	1.5	18.36	18.36	0.00	0%	46%	46%	Negligible
7	445371.5	240810.2	4	17.04	17.04	0.00	0%	43%	43%	Negligible
8	445345	240765.6	1.5	16.84	16.84	0.00	0%	42%	42%	Negligible
9	445350.8	240743.3	1.5	17.13	17.13	0.00	0%	43%	43%	Negligible
8a	445345	240765.6	4	16.12	16.12	0.00	0%	40%	40%	Negligible
9a	445350.8	240765.6	4	16.59	16.59	0.00	0%	41%	41%	Negligible
5a	445371.8	240853.6	4	17.21	17.21	0.00	0%	43%	43%	Negligible
6a	445373.1	240827.2	4	17.01	17.01	0.00	0%	43%	43%	Negligible

\*2023 Background Concentrations and Emissions

**2026 NO<sub>2</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 2	Scenario 4	Sc4-Sc2	% Change	Scenario 2 AQAL	Scenario 4 AQAL	Sc4-Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	21.58	21.59	0.01	0%	54%	54%	Negligible
Horsefair	445353.7	240591.6	2.5	22.56	22.56	0.00	0%	56%	56%	Negligible
Hennef Way	446534.5	241719.3	2	<b>42.89</b>	<b>44.11</b>	1.22	3%	107%	110%	Substantial
Stroud Close 1	446334	241676	2	14.94	15.14	0.20	1%	37%	38%	Negligible
1	446686	241716	1.5	14.95	15.14	0.19	0%	37%	38%	Negligible
2	446618	241713	1.5	14.18	14.35	0.17	0%	35%	36%	Negligible
3	446542.2	241718.3	1.5	18.77	19.12	0.35	1%	47%	48%	Negligible
4	446333.6	241683.8	1.5	18.37	18.71	0.34	1%	46%	47%	Negligible
5	445371.8	240853.6	1.5	21.57	21.57	0.00	0%	54%	54%	Negligible
6	445373.1	240827.2	1.5	21.11	21.11	0.00	0%	53%	53%	Negligible
7	445371.5	240810.2	4	18.07	18.07	0.00	0%	45%	45%	Negligible
8	445345	240765.6	1.5	17.66	17.66	0.00	0%	44%	44%	Negligible
9	445350.8	240743.3	1.5	18.24	18.24	0.00	0%	46%	46%	Negligible
8a	445345	240765.6	4	14.84	14.84	0.00	0%	37%	37%	Negligible
9a	445350.8	240765.6	4	16.68	16.69	0.01	0%	42%	42%	Negligible
5a	445371.8	240853.6	4	16.62	16.63	0.01	0%	42%	42%	Negligible
6a	445373.1	240827.2	4	17.03	17.03	0.00	0%	43%	43%	Negligible

\*2026 Backgrounds Concentrations and Emissions

**2026 PM<sub>10</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 2	Scenario 4	Sc4-Sc2	% Change	Scenario 2 AQAL	Scenario 4 AQAL	Sc4-Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	18.12	18.12	0.00	0%	45%	45%	Negligible
Horsefair	445353.7	240591.6	2.5	17.77	17.77	0.00	0%	44%	44%	Negligible
Hennef Way	446534.5	241719.3	2	29.66	30.30	0.64	2%	74%	76%	Slight
Stroud Close 1	446334	241676	2	17.39	17.48	0.08	0%	43%	44%	Negligible
1	446686	241716	1.5	16.84	16.90	0.06	0%	42%	42%	Negligible
2	446618	241713	1.5	16.96	17.02	0.06	0%	42%	43%	Negligible
3	446542.2	241718.3	1.5	18.96	19.10	0.15	0%	47%	48%	Negligible
4	446333.6	241683.8	1.5	18.82	18.96	0.14	0%	47%	47%	Negligible
5	445371.8	240853.6	1.5	18.26	18.26	0.00	0%	46%	46%	Negligible
6	445373.1	240827.2	1.5	17.57	17.57	0.00	0%	44%	44%	Negligible
7	445371.5	240810.2	4	16.40	16.40	0.00	0%	41%	41%	Negligible
8	445345	240765.6	1.5	16.22	16.22	0.00	0%	41%	41%	Negligible
9	445350.8	240743.3	1.5	16.48	16.48	0.00	0%	41%	41%	Negligible
8a	445345	240765.6	4	15.59	15.59	0.00	0%	39%	39%	Negligible
9a	445350.8	240765.6	4	16.00	16.00	0.00	0%	40%	40%	Negligible
5a	445371.8	240853.6	4	16.56	16.56	0.00	0%	41%	41%	Negligible
6a	445373.1	240827.2	4	16.38	16.38	0.00	0%	41%	41%	Negligible

\*2026 Backgrounds Concentrations and Emissions

**2041 NO<sub>2</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 2	Scenario 4	Sc4- Sc2	% Change	Scenario 2 AQAL	Scenario 4 AQAL	Sc4- Sc2 Impact Descriptor
North Bar	445349.3	240758.1	2	18.13	18.13	0.00	0%	45%	45%	Negligible
Horsefair	445353.7	240591.6	2.5	18.68	18.68	0.00	0%	47%	47%	Negligible
Hennef Way	446534.5	241719.3	2	<b>34.14</b>	<b>34.99</b>	0.85	2%	85%	87%	Slight
Stroud Close 1	446334	241676	2	13.02	13.15	0.13	0%	33%	33%	Negligible
1	446686	241716	1.5	13.09	13.22	0.13	0%	33%	33%	Negligible
2	446618	241713	1.5	12.47	12.59	0.12	0%	31%	31%	Negligible
3	446542.2	241718.3	1.5	15.85	16.09	0.24	1%	40%	40%	Negligible
4	446333.6	241683.8	1.5	15.55	15.77	0.22	1%	39%	39%	Negligible
5	445371.8	240853.6	1.5	17.87	17.87	0.00	0%	45%	45%	Negligible
6	445373.1	240827.2	1.5	17.61	17.61	0.00	0%	44%	44%	Negligible
7	445371.5	240810.2	4	15.36	15.36	0.00	0%	38%	38%	Negligible
8	445345	240765.6	1.5	15.05	15.06	0.01	0%	38%	38%	Negligible
9	445350.8	240743.3	1.5	15.46	15.46	0.00	0%	39%	39%	Negligible
8a	445345	240765.6	4	12.92	12.92	0.00	0%	32%	32%	Negligible
9a	445350.8	240765.6	4	14.31	14.31	0.00	0%	36%	36%	Negligible
5a	445371.8	240853.6	4	14.18	14.18	0.00	0%	35%	35%	Negligible
6a	445373.1	240827.2	4	14.53	14.53	0.00	0%	36%	36%	Negligible

\*2030 Background Concentrations and Emissions

**2041 PM<sub>10</sub>**

Receptor name	X(m)	Y(m)	Z(m)	Scenario 2	Scenario 4	Sc4-Sc2	% Change	Scenario 2 AQAL	Scenario 4 AQAL	Sc3- Sc1 Impact Descriptor
North Bar	445349.3	240758.1	2	18.29	18.29	0.00	0%	46%	46%	Negligible
Horsefair	445353.7	240591.6	2.5	18.04	18.04	0.00	0%	45%	45%	Negligible
Hennef Way	446534.5	241719.3	2	31.12	31.75	0.63	2%	78%	79%	Slight
Stroud Close 1	446334	241676	2	17.51	17.59	0.08	0%	44%	44%	Negligible
1	446686	241716	1.5	16.90	16.96	0.06	0%	42%	42%	Negligible
2	446618	241713	1.5	17.03	17.09	0.06	0%	43%	43%	Negligible
3	446542.2	241718.3	1.5	19.23	19.37	0.14	0%	48%	48%	Negligible
4	446333.6	241683.8	1.5	19.08	19.22	0.14	0%	48%	48%	Negligible
5	445371.8	240853.6	1.5	18.58	18.58	0.00	0%	46%	46%	Negligible
6	445373.1	240827.2	1.5	17.82	17.83	0.00	0%	45%	45%	Negligible
7	445371.5	240810.2	4	16.54	16.54	0.00	0%	41%	41%	Negligible
8	445345	240765.6	1.5	16.34	16.34	0.00	0%	41%	41%	Negligible
9	445350.8	240743.3	1.5	16.63	16.63	0.00	0%	42%	42%	Negligible
8a	445345	240765.6	4	15.65	15.65	0.00	0%	39%	39%	Negligible
9a	445350.8	240765.6	4	16.10	16.10	0.00	0%	40%	40%	Negligible
5a	445371.8	240853.6	4	16.72	16.72	0.00	0%	42%	42%	Negligible
6a	445373.1	240827.2	4	16.52	16.52	0.00	0%	41%	41%	Negligible

\*2030 Background Concentrations and Emissions