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Dear Sian,

ODOUR IMPACT OF PROPOSED TAD PLANT AT PEBBLE HALL

Thank you for your enquiry about the odour impact of the proposed TAD biofilter if modelling was based emissions with an odour concentration of 2,250 ouE/m³ rather than the 2,000 ouE/m³ concentration that was used in our modelling assessment.

Modelled off-site odour impacts are directly proportional to the odour concentration within the modelled emissions, thus off-site odour impacts with an emission at a concentration of 2,250 ouE/m³ can be determined directly by proportion. Thus the following table provides an update of Table 2 in our report with impacts based on the two odour concentrations.

Revised Table 2. Predicted annual mean odour concentrations at the discrete receptors with emission concentrations of 2,000 ouE/m³ and 2,250 ouE/m³

Rec	Coordinates		Receptor Identity/Name	Mean 98 th percentile hourly mean odour concentration (ouE/m ³)	
	X (m)	Y (m)		At 2,000 ouE/m ³	At 2,250 ouE/m ³
1	466825	284967	'The Bungalow'	0.24	0.27
2	466896	285063	Hothorpe Hall	0.20	0.23
3	466094	285096	Pebble Hall	0.30	0.34
4	465885	285138	Dene Lodge	0.17	0.19
5	465728	285028	Residence at Woodside Farm	0.16	0.18
6	464754	284381	Bosworth Hall	0.05	0.06
7	467005	285299	Residences on Hothorpe Road	0.14	0.16
8	466473	285449	Residences on Bosworth Road	0.13	0.15
9	466826	285667	Residences at Manor Farm	0.07	0.08
10	467298	285276	Quiet Fields	0.11	0.12
11	467490	285458	Welland Paddocks	0.09	0.10
12	467697	285137	Residence at Home Farm	0.08	0.09
13	465690	284399	Residence	0.44	0.50
14	467280	285348	Buckle Hill	0.11	0.12

It can be seen that the predicted odour impacts would still be well below the H4 benchmarks of 3.0 ouE/m³ and 1.5 ouE/m³ with a 2,250 ouE/m³ emission concentration, as they are also in the attached revised Table A1 which shows the maximum and minimum annual impacts within the five year modelling period.



For ease of reference I have also attached a copy of the receptor map.

I hope this explanation provides reassurance that the off-site impact would not be significantly worse if emissions were at 2,250 ouE/m³ rather than at 2,000 ouE/m³, and confirms that off-site impact would remain well below even the most rigorous regulatory impact benchmarks.

Yours Sincerely

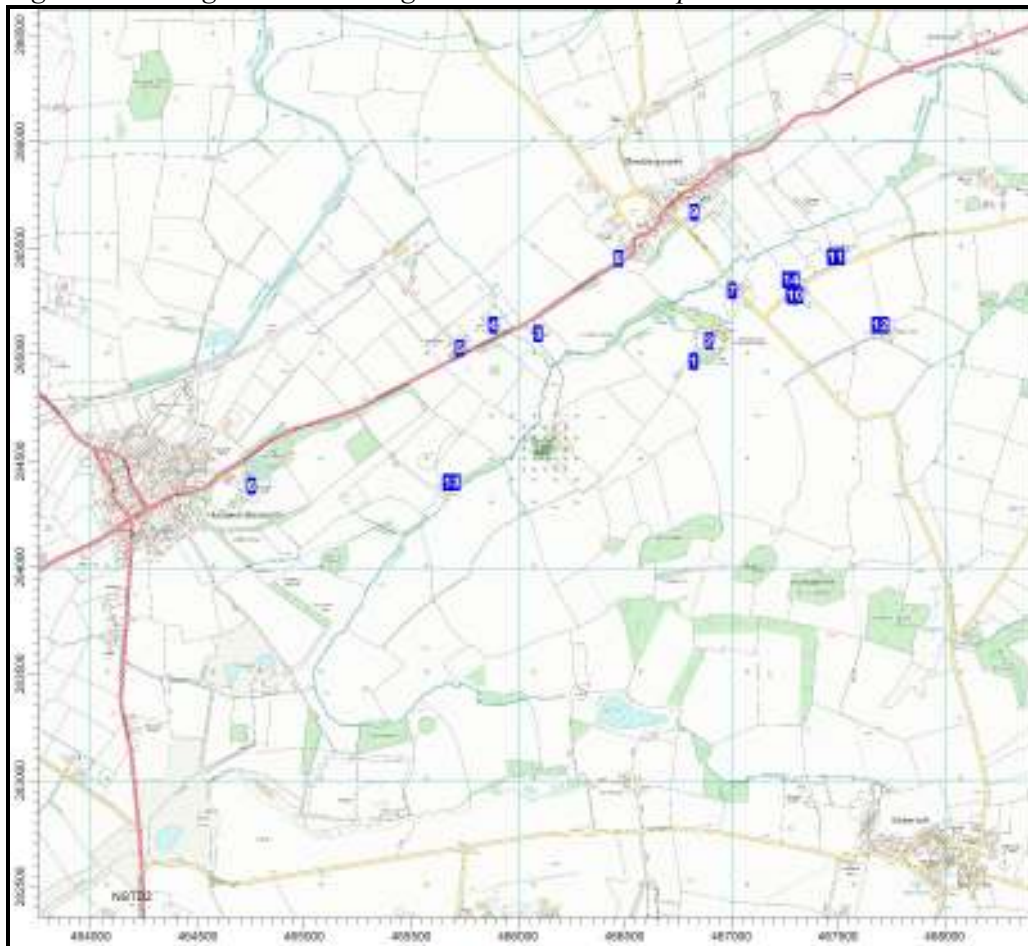
A handwritten signature in blue ink, appearing to read 'Steve Peirson', written over a faint, illegible background.

STEVE PEIRSON,
Principal Odour Consultant

Revised Table A1. 5 year minimum and maximum annual 98th percentile hourly mean odour concentration at the discrete receptors with emissions concentrations of 2,250 ou_E/m³

Rec	X (m)	Y (m)	Name	98 th percentile hourly mean odour concentration (ou _E /m ³)	
				Minimum	Maximum
1	466825	284967	'The Bungalow'	0.23	0.29
2	466896	285063	Hothorpe Hall	0.20	0.25
3	466094	285096	Pebble Hall	0.30	0.38
4	465885	285138	Dene Lodge	0.16	0.23
5	465728	285028	Residence at Woodside Farm	0.16	0.20
6	464754	284381	Bosworth Hall	0.05	0.08
7	467005	285299	Residences on Hothorpe Road	0.14	0.18
8	466473	285449	Residences on Bosworth Road	0.14	0.16
9	466826	285667	Residences at Manor Farm	0.08	0.09
10	467298	285276	Quiet Fields	0.10	0.14
11	467490	285458	Welland Paddocks	0.09	0.11
12	467697	285137	Residence at Home Farm	0.08	0.10
13	465690	284399	Residence	0.37	0.62
14	467280	285348	Buckle Hill	0.11	0.15

Figure 4. The regular Cartesian grids and discrete receptors



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