

Appendix I –Odour Survey Log Sheets

On-Site Odour Survey Log

Sheet

Survey Ref No:

Site: Foxhall MRF

Date of Monitoring:.....

Conducted by:

Routine Survey/Complaint Investigation *(delete as appropriate)*

Weather Conditions *(please note conditions at start and end of survey, if different)*

Description	Wind Direction	Wind Force ¹	Temperature (°C)	Atm Pressure (mb)	Ground Conditions	Air Stability ²

¹ Referenced to the Beaufort wind scale from 0/1 = calm/light air to 8/9 = gale/strong gale

² Referenced to Pasquill stability categories from A = very unstable to F/G = very stable

Location Code	Location	Time	Intensity*	Odour Description	Odour Offensiveness	Extent	Sensitivity	Suspected Source	Source VWM Controlled (Y/N)	Comments

*See attached 'Classification Systems' for additional information.

OFF-SITE ODOUR SURVEY LOG

Site: Foxhall MRF

Date of Monitoring:

Conducted by:

Routine Survey/Complaint Investigation *(delete as appropriate)*

Weather Conditions *(please note conditions at start and end of survey, if different):*

	Description	Wind Direction	Wind force ¹	Temperature (°C)	Atm Pressure (mb)	Ground Conditions	Air Stability ²
Start							
End							
¹ Referenced to the Beaufort wind scale from 0/1 = calm/light air to 8/9 = gale/strong gale ² Referenced to Pasquill stability categories from A = very unstable to F/G = very stable							

Off-Site Odour Survey Log

Location Code	Location name	Time	Intensity	Odour Description	Odour Offensiveness	Extent	Sensitivity	Suspected Source	Source VWM Controlled (Y/N)?	Comments
Use Classification scheme below										

Appendix I – Classification Systems

Meteorological Data

The Beaufort Wind Scale					
Force	Description	Observation			mph
0	Calm	Smoke rises vertically			0
1	Light air	Smoke drifts in wind direction; wind vanes not moved			1-3
2	Light breeze	Wind felt on face, leaves rustle; wind vanes moved			4-7
3	Gentle breeze	Leaves and small twigs in constant motion			8-12
4	Moderate breeze	Raises dust and paper; small branches are moved			13-18
5	Fresh breeze	Small leafy trees swayed; medium branches moved			19-24
6	Strong breeze	Large branches moved; umbrellas used with difficulty			25-31
7	Near gale	Whole trees moving; walking against wind inconvenient			32-38
8	Gale	Twigs break off trees; walking generally impeded			39-46
9	Strong gale	Slight structural damage occurs			47-54

Assessment of Pasquill Stability Categories					
Surface wind speed	Sunshine			Night Time	
	Strong	Moderate	Slight	Thickly overcast or >1/2 cloud cover	<3/8 cloud cover
m.p.h.					
<4.5	A	A-B	B	-	G
4.5-6.7	A-B	B	C	E	F
6.7-11.2	B	B-C	C	D	E
11.2-13.4	C	C-D	D	D	D
>13.4	C	D	D	D	D

Notes:

- Strong sunshine corresponds to a sunny midday in midsummer
- Slight sunshine corresponds to a sunny midday in midwinter
- "Night time" is defined as the period one hour before sunset to one hour after dawn
- Wind speed should be estimated by reference to the Beaufort scale
- Pasquill categories are from A = very unstable to F/G = very stable

Odour Character Key

Descriptors	Value	Intensity
A - acidic	0	No detectable odour
B - acrid	1	Very faint odour - need to stand still, face the wind and inhale to detect
C - agricultural	2	Faint odour
D - ammoniacal	3	Distinct odour - detectable when walking & breathing normally
E - cabbagey	4	Strong odour
F - dustbin	5	Very strong odour
G - eggy/sulphurous	6	Extremely strong odour
H - fruity		
I - landfill gas	Value	Extent
J - mains gas	1	Local and transient - only detected for brief periods at the site boundary when the wind drops or blows
K - oily	2	Transient - as 1, above, but detected away from the site boundary
L - putrid	3	Persistent but fairly localised
M - pungent	4	Persistent and pervasive up to 50m away from site boundary
N - rotten	5	Persistent and widespread - detected >50m away from site
O - sickly		
P - sour	Value	Sensitivity
Q - sweet	Low	e.g. footpath, road
R - compost	Medium	e.g. industrial or commercial workplaces
	High	e.g. housing, pub / hotel
	Value	Offensiveness
	1	Less/potentially offensive
	2	Moderately offensive
	3	Most/highly offensive

