



**Matrix Environmental**

***AG5 Odour Assessment  
at the  
Milltown Compost Site  
Milltownmore, Fethard  
Co. Tipperary.  
Sept 2022  
W0270-02***

**For the Attention of:**

Mr David Ronan  
Milltown Compost  
Milltownmore  
Fethard  
Co. Tipperary

**Prepared by:**

Mr. Craig Mallinson  
Environmental Consultant

**Ref: Odour AG5 2022**

**Date: September 2022**

**1.0 INTRODUCTION**

Matrix Environmental was contracted by Mr David Ronan of Miltown Composting to undertake bi-annual AG5 odour assessments. The site was subsequently visited on the 13<sup>th</sup> of September 2022 to conduct the second assessment for 2022.

## **2.0 SCOPE**

The scope was determined in conjunction with staff at the facility, the senior environmental consultant from Matrix Environmental and with regards to EPA guidance documents on odour assessment – Odour Impact Assessment Guidance for EPA Licensed Sites (AG5).

**3.0 ASSESSMENT PROCEDURE**

To carry out the assessment, the odour investigator uses his own sense of smell to assess whether odours are present or not at a number of locations. The odour investigator records his assessment by selecting, what are in his opinion, the most accurate descriptors from those listed in the Assessment of Odour Impact Field Record Sheet – See 4.0 Assessment Report.

4.0 ASSESSMENT REPORT

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Odour Impact Assessment Guidance for EPA Licensed Sites (AG5)

**Annex A: Odour Investigation Field Record Sheet**

General	Your Reference	Site Licence No.	Assessment by		Date of Assessment	
	MC Q3	W0270-02	Your name: <i>Craig Mallinson</i> (other Investigator(s) present):		13-9-22	
Pre-Assessment Preparation	Observer is free from medical conditions (cold, sore throat, sinus trouble)?	Observer abstinence (30 min) from smoking, flavoured drinks, scented toiletries and deodorisers?	Reason for odour assessment – Complaint verification; routine; other (specify).	Map – Has a map showing assessment locations been attached?	Weather Conditions Note 3 (record wind info on page 2):	
	<input checked="" type="checkbox"/> Yes    No	<input checked="" type="checkbox"/> Yes    No	<i>Routine</i>	<input checked="" type="checkbox"/> Yes    No	<i>18°C, Fair, Dry NE 20-22 km/hr</i>	
Notes (the ranking systems in these notes must be used when completing the field observations table overleaf)	<b>Note 1: Observation point Sensitivity (assuming detectable, if not then 0)</b> 1 Remote (no housing, commercial/industrial premises or public area within 500m of observation point) 2 Low sensitivity (no housing, commercial/industrial premises or public area within 100m of observation point) 3 Moderate sensitivity (housing commercial/industrial premises or public area within 100m of observation point) 4 High sensitivity (housing, commercial/industrial premises or public area within area of observation point) 5 Extra sensitive (complaints arising from residents, business and users of public areas within area of observation point).			<b>Note 3: Weather Conditions</b> Precipitation – dry, rained recently, drizzle, raining, foggy Temperature – cold, cool, warm, hot		
	<b>Note 2: Wind Strength</b> 0 Calm                      Smoke rises vertically 1 Light air                Direction of wind shown by smoke drift, but not wind vanes 2 Light Breeze          Wind felt on face; leaves rustle, ordinary vane moved by wind 3 Gentle Breeze        Leaves and small twigs in constant motion 4 Moderate Breeze     Raises dust and loose paper; small branches are moved 5 Fresh Breeze         Small trees in leaf begin to sway 6 Strong Breeze        Large branches in motion; umbrellas used with difficulty against the wind 7 Near Gale             Whole trees in motion; inconvenience felt when walking against wind 8 Gale                    Twigs break off trees; progress generally impeded 9 Strong Gale          Slight structural damage occurs (chimney pots and slates removed)			<b>Note 4: Odour Persistence</b> 0 No Odour 1 Intermittent (detected intermittently during the period of assessment) 2 Persistent (detected throughout the period of assessment)		
				<b>Note 5: Odour Intensity</b> 0 No Detectable Odour 1 Faint Odour (barely detectable, need to stand still and inhale facing into wind) 2 Moderate Odour (easily detectable while walking and breathing normally, possibly offensive) 3 Strong Odour (bearable but offensive – might make clothes / hair smell?) 4 Very Strong Odour (unbearable, difficult to remain in area affected by odour)		
Odour Source Investigation (Post Odour Survey)	Start Time:	Do any of the odours experienced on-site match in character those recorded during the off-site survey?	List areas Inspected:		What relevant activities were occurring on-site during the off-site odour assessment?	
	<i>12:30</i>	<i>Yes - No. 5</i>	<i>Entire Site &amp; Surrounding environs</i>			
	Finish Time:	Potential on-site odour sources identified:			<i>Normal Activities</i>	
	<i>13:30</i>	<i>Main Processing area</i>				

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Odour Impact Assessment Guidance for EPA Licensed Sites (AG5)

Parameter	Observer Location		Wind (nd = if not detectable)			Time		Odour Rating		Odour Description Comments
	Name of household / commercial site (describe so that location can be easily identified again by a third party)	Sensitivity (1-5) Note 1	Direction from which wind blows	Orientation (Observer Vs facility)	Strength Note 2	Start Time (24hr clock)	Period of observation	Odour Persistence (0-2) Note 4	Odour Intensity (0-4) Note 5	
Thresholds that could indicate nuisance	---	≥ 3	---	Down-Wind Approx DW or not detectable etc	---	---	---	1 or 2	≥ 2	<b>Guide-</b> A location where the score meets or exceeds all the threshold values may be deemed subject to nuisance/significant impairment, particularly if the observations are supported by public complaints on impact, frequency and duration of odours.
Field observations	1 - On-Site	3	NE	UW	5	12:30	5	1	1/2	Odour from cow manure
	2 "	3	NE	UW	5	12:37	5	0	0	No od
	3 "	3	NE	DW	4/5	12:43	5	1/2	2	Compost Odour
	4 "	3	NE	XW	5	12:50	5	0/1	0/1	Very Faint Compost Od
	5 off Site - Farm	2	NE	DW	5	12:57	5	0/1	1	Compost Odour
	6 "	2	NE	XW	4/5	13:05	5	0	0	No od
	7 "	2	NE	XW	4	13:14	5	0	0	No od
	8 Entrance to NS	3	NE	UW	5	13:22	5	0	1	Farm odour - Intermittent
Brief details of any meeting with local residents/complaints received during assessment (include names/addresses/telephone numbers etc):										



