

NEWCASTLE-UNDER-LYME BOROUGH COUNCIL

EXECUTIVE MANAGEMENT TEAM'S REPORT TO CABINET

7th February 2023

Report Title: Walleys Quarry – Odour Issues

Submitted by: Chief Executive

Portfolios: Environment & Recycling; One Council, People & Partnerships

Ward(s) affected: All

Purpose of the Report

To update Cabinet on the latest position regarding the problematic odours in the Borough associated with Walleys Quarry including progress in relation to agreement reached following mediation with the operator.

RECOMMENDATIONS

Cabinet is recommended to:

- 1. Note the contents of this update report**

Reasons

To ensure Cabinet is kept updated on the ongoing work regarding the problem odours associated with Walleys Quarry landfill.

1. Background

- 1.1 For a number of years, parts of the borough have suffered from problematic foul odours from the Walleys Quarry Landfill Site in Silverdale operated by Walleys Quarry Ltd, part of the RED Industries group of companies. The Environment Agency is the lead regulator for such sites, testing and enforcing compliance with the permit under which the site operates. The Council also has a role in influencing the operation and performance of such sites, where an operator fails to comply with actions required under an abatement notice issued by the Council in relation to any statutory nuisance caused by the site.
- 1.2 In March 2021, Council held an extraordinary meeting to receive the report of the Economy, Environment and Place Scrutiny Committee review into the Walleys Quarry issues, and to debate a motion demanding the immediate suspension of operations and acceptance of waste at the Walleys Quarry Landfill site.
- 1.3 Cabinet has received monthly updates on the issues relating to the odours, and Council has also been regularly updated.

2. Statutory Nuisance

- 2.1 Following extensive work, officers determined that the odours from the Walleys Quarry site amount to a Statutory Nuisance and, on 13th August 2021, served an Abatement Notice on Walleys Quarry Ltd. (WQL).

- 2.2 The Abatement Notice afforded WQL a period of 5 months to abate the nuisance, with this timeframe being informed by discussion on the nature and extent of potential works required at the site with colleagues from the Environment Agency and with our own landfill and odour experts.
- 2.3 On 2nd September 2021, WQL lodged an appeal against the Abatement Notice with the Magistrates Court. This has the effect of “stopping the clock” on the 5 month timeframe to abate the nuisance.
- 2.4 At the Cabinet meeting on 18th October 2022, Members received a report detailing the outcome of a mediation process that had been undertaken. The mediation process was guided by the former Supreme Court Judge and environmental law specialist the Right Honourable Lord Carnwath of Notting Hill. As a result of that process, the Council and WQL were able to agree terms for a settlement which enabled WQL to withdraw their appeal against the notice
- 2.5 On 6th October 2022, His Honour District Judge Grego approved the settlement that the parties had reached, and issued a court order upholding the Abatement Notice and dismissing WQL’s appeal.
- 2.6 Progress with key elements of the settlement agreement

As part of the Agreement, Council officers, including the Chief Executive are meeting with senior representatives of Walleys Quarry Limited (WQL) to ensure that all aspects of the agreement are implemented.

Meetings are taking place on a regular basis with the outcome to date including:

- a. WQL have published a comprehensive set of its operational plans on its website in a publicly accessible format. [Reference: <https://walleysquarry.co.uk/site-permits-and-policies#MGMTPlans>]
- b. WQL notify any operational changes that may impact on odour emissions from the site. Notifications are published on the WQL ‘Latest Information’ webpage. As an example, advance notice was provided by WQL of potential onsite gas engineering activities that had the potential to create short-lived odour emissions. [Reference: <https://walleysquarry.co.uk/wp-content/uploads/2022/11/Walleys-Quarry-weekly-update-11.11.22.pdf>]
- c. A set of standard key performance indicators are being developed in a score card format to monitor the performance of the operator. Further detail is provided in section 6.
- d. The last Liaison Committee meeting took place on 15th December 2022 and a publically viewable recording of the meeting is available at the link below. Updates were provided by Walleys Quarry Limited, Environment Agency, Staffordshire County Council, Borough Council, Silverdale Parish Council and resident representatives. [Reference: <https://www.youtube.com/watch?v=Nb3ISSX866Q>] The next meeting is planned for March 2023.
- e. The agreement requires WQL to notify the Council of any written amendments to the listed Operational Plans/Procedures within 48 hours of such notification by the Environment Agency. On 18 January 2023 WQL forwarded a draft revision of the Landfill Gas Management Plan to the Council on the same day that the EA were notified.

3. Complaint Data

- 3.1 Below is a schedule of complaints received by the Council and by the Environment Agency over the last 3 months, on a weekly basis. Complaints rise and fall broadly in line with the H₂S levels recorded at the four monitoring stations around the site, with higher levels of H₂S generally causing more annoyance in the community. Historical complaint data is attached to this report as Appendix 1.

	Complaints to NuLBC	Complaints to Environment Agency
November 2022	27*	116
31/10/22 – 6/11/22		
7/11/22 – 13/11/22	23 *	86
14/11/22 – 20/11/22	60*	113
21/11/22- 27/11/22	28*	70
28/11/22 – 4/12/22	19	47
December 2022	43	163
5/12/22 – 11/12/22		
12/12/22 – 18/12/22	22	114
19/12/22 – 25/12/22	12	45
26/12/22 – 01/01/23	11	39
January 2023	12	32
02/01/23 – 08/01/23		
09/01/23 – 15/01/23	13	25
16/01/23 – 22/01/23	47	118
23/01/23 – 29/01/23	51	149

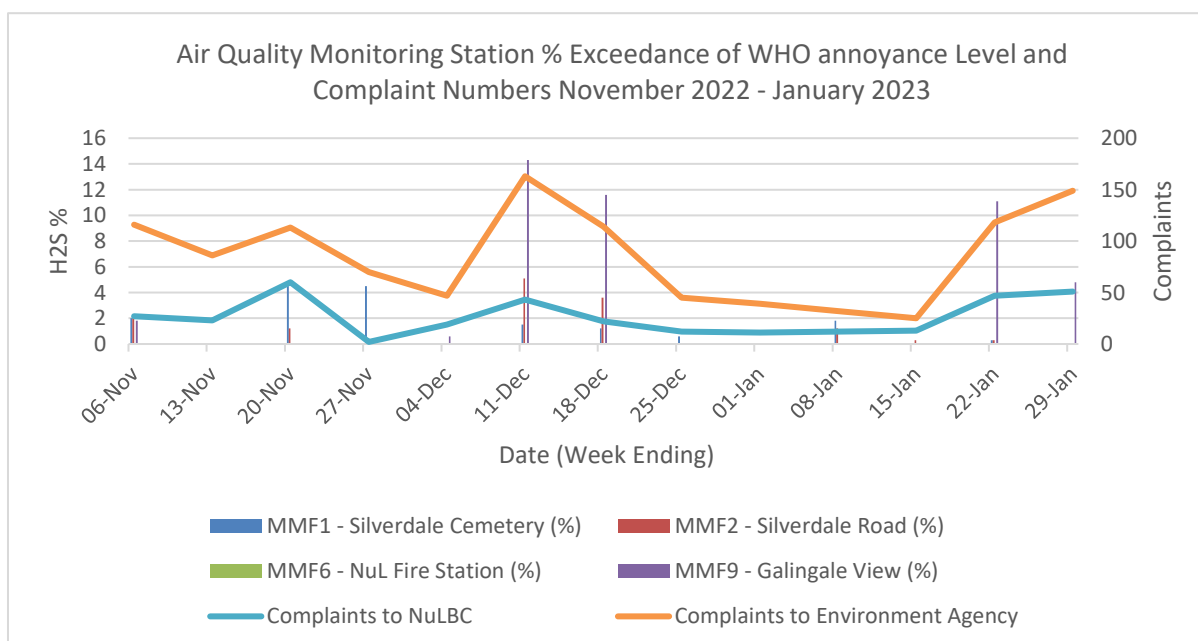
*Note these figures have changed from previous reporting due to data verification

4. Air Quality Monitoring Stations

- 4.1 The Council, Staffordshire County Council, and the Environment Agency are jointly funding a campaign of air quality monitoring utilising four static air monitoring stations. Data from these stations is reviewed to provide information in relation to two standards relating to Hydrogen Sulphide (H₂S) – the WHO Health threshold and the WHO odour annoyance guideline, with this analysis published by stakeholders.
- 4.2 Over the last 3 months, No H₂S concentrations were above the World Health Organisation's health threshold. H₂S levels were above the odour annoyance guideline level (7 µg/m³, 30-minute average) for the following percentages of each week. Historical data is attached to this report in Appendix 2.

Location	MMF1 - Silverdale Cemetery (%)	MMF2 - Silverdale Road (%)	MMF6 - NuL Fire Station (%)	MMF9 - Galingale View (%)
November 2022				
31/10/22 – 6/11/22	0	2.2	0	1.8
7/11/22 – 13/11/22	0	0	0	0
14/11/22 – 20/11/22	4.5	1.2	0	0
21/11/22- 27/11/22	4.5	0	0	0
28/11/22 – 4/12/22	0	0	0	0.6
December 2022				
5/12/22 – 11/12/22	1.5	5.1	0	14.3
12/12/22 – 18/12/22	1.2	3.6	0	11.6
19/12/22 – 25/12/22	0.6	0	0	0
26/12/22 – 01/01/23	0	0	0	0
January 2023				
02/01/23 – 08/01/23	1.8	1.2	0	0
09/01/23 – 15/01/23	0	0.3	0	0
16/01/23 – 22/01/23	0.3	0.3	0	11.1
23/01/23 – 29/01/23	0	0	0	4.8

4.3 The complaint and air quality data is combined and shown in the graph below. The data continues to show that the percentage of time above the World Health Organisation odour annoyance guideline level fluctuate across the four locations. The complaint numbers and % exceedance of the WHO annoyance level show a similar trend.



4.4 In January 2023 There was a significant increase in the exceedance recorded at MMF 9 Week 16/01/23 – 22 /01/23. The EA reported that:

- ‘the exceedance at MMF9 was recorded during the period from around 5pm on the evening of 20 January through to the around 10am on the morning of 21 January 2023.’

- 'Levels of hydrogen sulphide recorded in this 20 hour period peaked at approximately 20µg/m. This contrasts with the peak in January 2022, when hydrogen sulphide concentrations were approximately 65µg/m³ over the 24-hour (midnight – midnight) period on 13 January'.
- 'Hydrogen sulphide concentrations continue to be greatly reduced compared with the period monitoring began, in both the source emission and ambient air measurements'.

The EA report that 'hydrogen sulphide concentrations continue to be greatly reduced compared with the period monitoring began, in both the source emission and ambient air measurements'. The EA maintain that 'air quality monitoring data provides additional confidence that our ongoing regulation is ensuring the source emission of hydrogen sulphide from the landfill site continues to remain low'.

4.5 **Investigation into Odour on 21st and 24th January 2023**

WQL issued a notification that following investigation and review of the Gas Utilisation Plant (GUP) data the suction pressure increased though the early hours of Saturday morning (21/01/2023). A copy of the notification is at <https://walleysquarry.co.uk/wp-content/uploads/2023/02/Walleys-Jan-Update-24.01.2023.pdf>

The gas management contractor, CLP Envirogas Ltd, continuously monitor the site remotely, were aware of the conditions as they arose and following a suitable period of observation, attended site early on the Saturday (21st) morning in line with established operating procedures. Their actions included adjusting the gas field to reduce suction pressure and clearing ice build-up within a specific and singular component of the gas system.

Officers responded to an increase in odour complaints from the community on 24th January, during a period of cold and still weather conditions. Visits were undertaken to the areas surrounding the landfill during the morning and evening.

4.6 **Jerome H2S Monitoring**

Monitoring of H2S levels at properties has identified a significant reduction in the monitored levels from monitoring undertaken in 2021 and 2022. Levels are now typically below or around the lower detection limit of the instrumentation. This type of monitoring is on-hold at present, although the Council will continue to keep this under review and may reinstate this in the future. The instruments will be maintained by the Council and will be used to support some officer visits.

5. **Environment Agency Regulatory and Enforcement Action**

- 5.1 The Environment Agency has continued to provide weekly updates on their regulatory activity on the Walleys Quarry Landfill Citizens Space website. These updates reflect regular EA officer presence at the site to review progress with the Contain Capture Destroy strategy. Extracts from the last 4 weekly updates are provided below:

News in brief – 5th January 2023

We continue to actively regulate and assess Walleys Quarry Ltd's compliance with its environmental permit. Officers carried out an unannounced site inspection on 20 December to assess general compliance with permit conditions.

The gas extraction rate recorded on 28 December 2022 was 3288 m³/hr and hydrogen sulphide levels were recorded on 29 December 2022 as 1490ppm. These figures from the gas utilisation plant were as expected and within normal operational parameters.

We also reviewed the Quarter 3 monitoring data relating to Walleys Quarry and issued a further Compliance Assessment Report (CAR) on 22 December 2022. Assuming this is not challenged by the company, the CAR will become public register on 20 January 2023.

News In Brief – 12th January 2023

We continue to actively regulate and assess WQL's compliance with its environmental permit. Officers carried out an announced site inspection on 10 January to assess general compliance with permit conditions.

A new area of temporary capping is currently being laid in the southeast area of the site (Phase 3) and restoration soils are being stockpiled to support this activity. No odours were detected during an off-site odour assessment conducted around the site prior to the inspection.

On 6 January 2023, the landfill gas flow to the gas utilisation plant was 3080m³/hr and the proportion of hydrogen sulphide (H₂S) within the landfill gas was 1470ppm. These figures are as expected and within normal operational parameters.

News In Brief – 19th January 2023

Temporary capping work continues in the southeast area of the site (Phase 3).

On 13 January 2023, the landfill gas flow to the gas utilisation plant was 3200m³/hr and the proportion of hydrogen sulphide (H₂S) within the landfill gas was 1560ppm.

These figures are slightly higher than last week. This is because the gas field has been re-balanced to deliberately extract additional gas from the more historic waste, in an area where higher levels of H₂S have recently been detected onsite.

News In Brief – 26th January 2023

Officers carried out an unannounced site inspection on 25 January to assess general compliance with permit conditions.

The gas extraction rate recorded at the gas utilisation plant on 20 January 2023 was 3150 m³/hr and hydrogen sulphide levels were recorded on 19 January 2023 as 1520ppm. These figures are as expected and within normal operational parameters.

The Environment Agency concluded consideration of complaints raised by Walleys Quarry Ltd (WQL) into two Compliance Assessment Reports (CARs). Further information contained in the [weekly briefing](#)

News In Brief – 2nd February 2023

We continue to actively regulate and assess WQL's compliance with its environmental permit by reviewing data and conducting inspections. Officers carried out an announced site inspection on 1 February 2023, which focused on evaluating gas infrastructure. We also reviewed WQL's plans for the installation of 6 additional landfill gas extraction wells.

Gas flow to the gas utilisation plant (GUP) continues to remain relatively steady. The extraction rate recorded on 26 January was 3086 m³/hr. The recorded level of hydrogen sulphide [H₂S] at the GUP was 1600 ppm on 26 January 2023.

These results are within the normal operational fluctuations we expect.

6. Key Performance data

- 6.1 Through the settlement agreement both Walleys Quarry Ltd and the Council have developed key performance indicators in relation to relevant data from each organisation. These key performance indicators are shown in Appendix 3.
- 6.2 The data from the Council covers the period of November 2022 to January 2023, and provides complaint numbers, air quality data, H2S and officer assessments. Some of the data for January is unavailable and will be updated in subsequent reports. One KPI in relation to the Jerome monitoring has been removed (see para 4.6).
- 6.3 The data from Walleys Quarry Limited covers the period January 2023 and provides data on waste acceptance, odour management, landfill operations, landfill gas management, leachate management and information relating to the EA regulator as the primary regulator of the site. The data is supported by explanatory notes, which are also contained within Appendix 3.

7. Proposal

7.1 Cabinet is recommended to:

- **Note the contents of this update report**

8. Reasons for Proposed Solution

- 8.1 To ensure Cabinet is kept updated of the ongoing work to address the issues associated with the odours from Walleys Quarry landfill and to keep under review opportunities to further action.

9. Options Considered

- 9.1 To provide regular updates to Council.

10. Legal and Statutory Implications

- 10.1 Part III of the Environmental Protection Act 1990 is the legislation concerned with statutory nuisances in law. This is the principal piece of legislation covering the Council's duties and responsibilities in respect of issues relating to odour nuisance:-
- The Environmental Protection Act 1990, section 79 sets out the law in relation to statutory nuisance. This is the principal piece of legislation covering the Council's duties and responsibilities in respect of issues relating to odour nuisance.
 - The relevant part of Section 79 defines a statutory nuisance as any smell or other effluvia arising on industrial, trade or business premises which is prejudicial to health of a nuisance. The Council is responsible for undertaking inspections and responding to complaints to determine whether or not a statutory nuisance exists.

- Where a statutory nuisance is identified or considered likely to arise or recur, section 80 of the Act requires that an abatement notice is served on those responsible for the nuisance. The abatement notice can either prohibit or restrict the nuisance and may require works to be undertaken by a specified date(s).
- It is then a criminal offence to breach the terms of the abatement notice. Because the site is regulated by the Environment Agency under an Environmental Permit, the council would need to obtain the consent of the Secretary of State before it is able to prosecute any offence of breaching an abatement notice.

11. Equality Impact Assessment

- 11.1 The work of the Council in this regard recognises that the problematic odours in the area may impact on some groups more than others. The work is focussed on minimising this impact as soon as possible.

12. Financial and Resource Implications

- 12.1 There are none directly arising from this report.

13. Major Risks

- 13.1 There are no new risks beyond those explored in previous reports.

14. Unsustainable Development Goals (UNSDG)



15. Key Decision Information

- 15.1 As an update report, this is not a Key Decision.

16. Earlier Cabinet/Committee Resolutions

- 16.1 This matter has been variously considered previously by Economy, Environment & Place Scrutiny Committee, Council and Cabinet on 21 April 2021, 9th June 2021, 7th July 2021, 21st July 2021, 8th September 2021, 13th October 2021, 3rd November 2021, 17th November, 1st December 2021, 12th January 2022, 2nd February 2022, 23rd February 2022,

23rd March 2022, 20th April 2022, 7th June 2022, 19th July 2022, 6th September 2022, 18th October 2022, 8th November 2022, 6th December 2022 and 10th January 2023.

17. **List of Appendices**

- 17.1 Appendix 1. Historical Complaint data
- 17.2 Appendix 2. Historical Monitoring Station data
- 17.3 Appendix 3. NUL and WQL Key Performance Data

Appendix 1. Historical Complaint Data

	Complaints to NuLBC	Complaints to Environment Agency
January 2022 3/1/22- 9/1/22	73	352
10/1/22 -16/1/22	258	1045
17/1/22 -23/1/22	134	651
24/1/22 – 30/1/22	25	139
February 2022 31/1/2 – 6/2/22	16	64
7/2/22 – 13/2/22	31	120
14/2/22 – 20/2/22	49	166
21/2/22 – 27/2/22	40	264
March 2022 28/2/22 – 6/3/22	118	571
7/3/22 – 13/3/22	72	285
14/3/22 – 20/3/22	224	1126
21/3/22 – 27/3/22	412	1848
28/3/22 – 3/4/22	243	1072
April 2022 4/4/22 -10/4/22	132	895
11/4/22 – 17/4/22	156	752
18/4/22 – 24/4/22	65	310
25/4/22 – 1/5/22	49	213
May 2022 2/5/22 – 8/5/22	39	193
9/5/22 – 15/5/22	35	160
15/5/22 – 21/5/22	43	134
22/5/22 – 29/5/22	20	81
June 2022 30/5/22 – 5/6/22	27	169
6/6/22 – 12/6/22	42	234
13/6/22 – 19/6/22	25	263

20/6/22 – 26/6/22	28	208
26/6/22 – 2/7/22	9	54
July 2022 3/7/22 – 9/7/22	4	34
10/7/22 – 16/7/22	14	72
17/7/22 – 23/7/22	21	52
24/7/22 – 30/7/22	12	93
August 2022 31/7/22 – 6/8/22	22	124
7/8/22 – 13/8/22	32	133
14/8/22 – 21/8/22	11	79
22/8/22 – 28/8/22	12	89
29/8/22 – 4/9/22	10	30
September 2022 5/9/22 – 11/9/22	9	64
12/9/22 – 18/9/22	13	83
19/9/22 – 25/9/22	14	79
26/9/22 – 2/10/22	13	58
October 2022 3/10/22 – 9/10/22	42	102
10/10/22 – 16/10/22	52	165
17/10/22 – 23/10/22	73	186
24/10/22 – 30/10/22	30	82
November 2022 31/10/22 – 6/11/22	27	116
7/11/22 – 13/11/22	23	86
14/11/22 – 20/11/22	60	113
21/11/22- 27/11/22	28	70
28/11/22 – 4/12/22	19	47
December 2022 5/12/22 – 11/12/22	43	163
12/12/22 – 18/12/22	22	114
19/12/22 – 25/12/22	12	45
26/12/22 – 01/01/23	11	39
January 2023 02/01/23 – 08/01/23	12	32
09/01/23 – 15/01/23	13	25
16/01/23 – 22/01/23	47	118
23/01/23 – 29/01/23	51	149

Appendix 2. Historical Monitoring Station Data

Location	MMF1 - Silverdale Cemetery (%)	MMF2 - Silverdale Road (%)	MMF6 - NuL Fire Station (%)	MMF9 - Galingale View (%)
19/4/21 – 25/4	18	8	4	21
26/4 – 2/5	4	10	13	35
3/5 – 9/5	6	21	6	48
10/5 – 16/5	15	20	1	10
17/5 – 23/5	1	9	10	53
24/5 – 30/5	7	15	16	47
31/5 – 6/6	30	1	6	18
7/6 – 13/6	1	10	10	19
14/6 – 20/6	11	7	9	13
21/6 – 27/6	2	1	4	12
28/6 – 4/7	1	8	8	10
5/7 – 11/7	5	18	3	17
12/7 – 18/7	0.4	2.4	2.1	23
19/7 – 26/7	3.6	0	3.6	16
27/7 – 1/8	1.8	1.5	11	26
2/8 – 8/8	1	4	5	10
9/8 – 15/8	0.3	7	3	6
16/8 – 22/8	1	1	4	6
23/8 – 29/8	0	0	1.5	17
30/8-5/9	0	0	0.3	2.1
6/9 -12/9	0	1	13	18
13/9 – 19/9	0	0.6	7.3	11.7
20/9- 26/9	3	2	6	11
27/9-3/10	0	0	0	0.3
4/10 – 10/10	0	0	0.3	5
11/10 – 17/10	0	0.5	1.5	9
18/10-24/10	0	0	0	1.5
25/10-31/10	0	0	0	0
1/11 – 7/11	2.9	0	3.3	13.5
8/11 – 14/11	0	0	1	10
15/11 – 21/11	0	0	0	1.2
22/11-28/11	0	0	0	11
29/11-5/12	0.6	0.9	0	9
6/12 – 12/12	0.6	0	0.9	2.4
13/12-19/12	0.9	0	3	18.5
20/12-26/12	0	0	0	3
27/12-2/1	0	0	0	2.4
3/1-9/1	1.2	0	2.1	16.2
10/1-16/1	14.9	11.9	21.4	53.3
17/1-23/1	6	7	10	41
24/1 – 30/1	0	0	0	5.1
31/1-6/2	0	0	0	0
7/2 – 13/2	0	0	0.9	2.4

14/2 – 20/2	0	3.6	0.3	2.4
21/2 – 27/2	0	4.8	0.6	8.0
28/2 – 6/3	2.4	0	0.3	15
7/3 – 13/3	0.3	3.3	4.2	6.0
14/3-20/3	3.3	8.1	10.8	21.2
21/3-27/3	6.8	10.1	21.1	43.2
28/3 – 3/4	1.9	9.3	18.8	25.2
4/4-10/4	1.8	2.5	6.1	26.0
11/4 – 17/4	11.9	6.6	9.6	19.7
18/4 - 24/4	7.1	1.8	2.7	10.4
25/4 -1/5	5.1	0	1.5	9.0
2/5 – 8/5	2.7	4.8	n/a	n/a
9/5 – 15/5	0.9	1.2	0	1.8
15/5 – 21/5	0.6	2.1	0	2.7
22/5 – 29/5	0.3	0	0	0.9
30/5 – 5/6	0.3	0	1.2	7.4
6/6 – 12/6	0.3	0.6	2.1	3.6
13/6 – 19/6	0	0.6	0.6	11
20/6 – 26/6	0	0.9	0.3	15.5
26/6 – 2/7	0	0	0	0
3/7 – 9/7	0	0	0	0
10/7 – 16/7	0	0	0	0.9
17/7 – 23/7	0	0	0.3	1.5
24/7 – 30/7	0	0	0.3	1.2
31/7 – 6/8	0	0	0	1.5
7/8 – 13/8	0	0	0	1.8
14/8 – 21/8	0	0	0	0.6
22/8 – 28/8	0	0.3	0	0
29/8 – 4/9	0	0	0	0
5/9 – 11/9	0	0	0	4.2
12/9 – 18/9	0	0.3	0	2.9
19/9 – 25/9	0	0	0	1.8
26/9 – 2/10	0	0	0	4.2
3/10 - 9/10	0	0.4	0	3.7
10/10 – 16/10	0	1.9	0	0
17/10 – 23/10	0	0.6	0.3	1.5
24/10 – 30/10	0	0	0	0
31/10 – 6/11	0	2.2	0	1.8
7/11 – 13/11	0	0	0	0
14/11 – 20/11	4.5	1.2	0	0
21/11 - 27/11	4.5	0	0	0
28/11 – 4/12	0	0	0	0.6
5/12 – 11/12	1.5	5.1	0	14.3
12/12 – 18/12	1.2	3.6	0	11.6
19/12 – 25/12	0.6	0	0	0
26/12 – 01/01	0	0	0	0
02/01 – 08/01	1.8	1.2	0	0

09/01 – 15/01	0	0.3	0	0
16/01 – 22/01	0.3	0.3	0	11.1
23/01 – 29/01	0	0	0	4.8

Appendix 3 – Key Performance Indicators

		Date of Report : 6 th February 2023					
NULBC		Information	Measurement	Nov 2022	Dec 2022	Jan 2023	Summary and Actions
KPI 1	COMPLAINTS	Complaints reported to NULBC	Number	146	93	129	
				Number of unique properties: 56 Rating 0 = 2 complaints Rating 1 = 1 complaints Rating 2 = 7 complaints Rating 3 = 15 complaints Rating 4 = 29 complaints (19.8%) Rating 5= 38 complaints (26%) Rating 6= 54 complaints (36.9%) % of complaints reporting odour entering the property = 103 complaints (70.5%) % of complaints reporting health effects = 129 complaints (83.3%)	Number of unique properties: 44 Rating 0 = 0 complaints Rating 1 = 2 complaints Rating 2 = 7 complaints Rating 3 = 14 complaints Rating 4 = 16 complaints (17.2%) Rating 5= 23 complaints (24.7%) Rating 6= 31 complaints (33.3%) % of complaints reporting odour entering the property = 74 complaints (79.6%) % of complaints reporting health effects = 84 complaints (90.3%)	Number of unique properties = 50 Rating 0 = 0 complaints Rating 1 = 1 complaints Rating 2 = 5 complaints Rating 3 = 17 complaints Rating 4 = 41 complaints (31.8 %) Rating 5= 38 complaints (29.5 %) Rating 6= 27 complaints (20.9%) % of complaints reporting odour entering the property = 96 complaints (74.4%) % of complaints reporting health effects = 118 complaints (91.5%)	

KPI 2		Complaints reported (daytime 07:00-23:00)	Number	136	85	113	
KPI 3		Complaints reported (nigh-time 23:00-07:00)	Number2	10	8	16	
KPI 4		Highest number of complaints during the period	Date (number of complaints)	19/11/22 (15 complaints)	07/12/22 (13 complaints)	24/01/23 (22 complaints)	
		Information	Measurement				
KPI 5	AIR QUALITY	Percentage exceedance Odour Annoyance Guideline (Hydrogen Sulphide 30 minute average)	%	MMF 1 (Silverdale Cemetery)	3	0.5	Awaiting data
				MMF 2 (Silverdale Road)	0.8	2	
				MMF 6 (Fire Station)	0	0	
				MMF 9 (Galingale View)	0.4	6	
KPI 6		Monthly Average H ₂ S* *data not final as ratification process not complete	ug/m3 over the month	MMF 1 (Silverdale Cemetery)	1.5	1.1	Awaiting data
				MMF 2 (Silverdale Road)	0.8	1.2	
				MMF 6 (Fire Station)	0.7	0.9	

				MMF 9 (Galingale View)	0.6	1.4		
KPI 7	H ₂ S PEAK LEVEL	Level measured over a 5 minute period Date & Time	ug/m3	MMF 1 (Silverdale Cemetery)	31.79 (21/11 04:45)	29.99 (25/12 09:20)	Awaiting data	
				MMF 2 (Silverdale Road)	28.36 (03/11 16:15)	27.14 (11/12 01:55)		
				MMF 6 (Fire Station)	9.89 (06/11 02:00)	8.08 (15/12 19:35)		
				MMF 9 (Galingale View)	24.49 (05/11 21:40)	40.96 (07/12 05:45)		
		Information	Measurement					
KPI 8	OFFICER ASSESSMENTS	Odour Rating - Officer odour assessment (5 minute)	Max Odour Rating	KPI not reported as the monitoring time <5 minutes for each assessment	KPI not reported as the monitoring time < 5 minutes for each assessment	7 assessments on 18/1 and 24/1		

