

NEWCASTLE-UNDER-LYME BOROUGH COUNCIL

EXECUTIVE MANAGEMENT TEAM'S REPORT TO CABINET

6th December 2022

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 2 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 18 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 6 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. An 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. This is detailed further in section 6.
- d. Arrangements for the next Liaison Committee are in progress including providing a recording of the meeting that will be publicly viewable.

3. Complaint Data

- 3.1 Below is a schedule of complaints received by the Council and by the Environment Agency during 2022, on a weekly basis over the last 3 months. 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 complaints data is attached to this report as Appendix 1.

| | Complaints to NuLBC | Complaints to Environment Agency |
|--|---------------------|----------------------------------|
| 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 | 26 | 116 |
| 7/11/22 – 13/11/22 | 52 | 86 |
| 14/11/22 – 20/11/22 | 59 | 113 |
| 21/11/22- 27/11/22 | 29 | 70 |

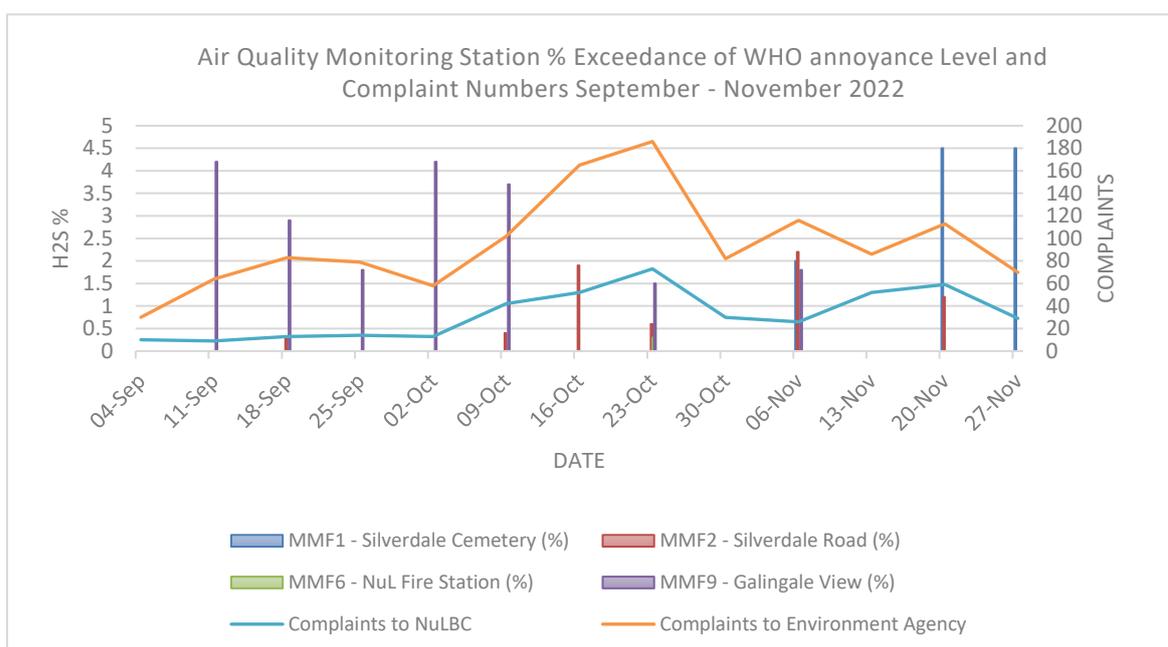
4. Air Quality Monitoring Stations

- 4.1 The Council, Staffordshire County Council, and the Environment Agency are jointly funding a campaign of air quality monitoring which has been extended to run through 2022 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 annoyance threshold, with this analysis published by stakeholders.
- 4.2 Over the last 3 months, Hydrogen sulphide concentrations were above the World Health Organisation’s 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 (%) |
|----------------------------------|--------------------------------|----------------------------|-----------------------------|---------------------------|
| 29/8 – 4/9 | 0 | 0 | 0 | 0 |
| September 2022 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 |
| October 2022 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 |

| | | | | |
|----------------------|-----|-----|---|-----|
| November 2022 | | | | |
| 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 |

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 data for the last 3 months (September to November) shows low percentage exceedances. It can be seen that complaints in October were higher than the H2S & exceedance of the annoyance level, the opposite trend is shown in the other months.



4.3 Jerome Portable device air monitoring

Your officers have continued to deploy portable Jerome air monitoring equipment in various locations surrounding the landfill site in response to complaints from residents as well as proactively when potentially problematic climatic conditions are forecast.

The recent data shows that there have been a few relatively short duration instances where the equipment has recorded H2S levels above the 5ppb threshold.

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:

5.2 News in brief – 3 November 2022 - Regulatory activity.

We continue to actively regulate and assess Walleys Quarry Ltd's compliance with its environmental permit by reviewing data and conducting inspections. During the most recent announced inspection on 26 October 2022, officers observed ongoing work to cover the geomembrane cap with soils. Data we have received indicates increased gas flow of improved quality to the gas utilisation plant (GUP).

The extraction rate recorded on 28 October 2022 was 3180 m³/hr. These improvements are largely as a result of completion of upgrades to gas collection infrastructure. The H₂S levels at the GUP also continue to gradually reduce. A level of 1000 ppm was recorded on 21 October and 24 October 2022. There is an overall trend of reducing H₂S levels for the majority of gas wells across the site, and from the horizontal gas wells in the operational areas. The levels are now approaching those recorded in 2019.

5.3 News in brief – 10 November 2022- Regulatory activity.

We continue to actively regulate and assess Walleys Quarry Ltd's compliance with its environmental permit by reviewing data and conducting inspections. On Thursday 3 November we carried out an unannounced inspection in which we assessed general compliance. Last week we also conducted a review of replacement groundwater monitoring infrastructure at the site. Data we have received indicates gas flow to the gas utilisation plant (GUP) is continuing to remain relatively steady.

The extraction rate recorded on 4 November 2022 was 3000 m³/hr, a slight decrease from the week before. The recorded level of hydrogen sulphide at the GUP was 1200 ppm on 3 November 2022. This is a slight increase from the previous week, but is within the normal operational fluctuations we expect. This level is still significantly below those recorded in 2021 (in July 2021 the recorded level was approximately 6500 ppm) and much closer to those recorded in 2019

5.4 News in brief – 17 November 2022 - Regulatory activity.

We continue to actively regulate and assess Walleys Quarry Ltd's compliance with its environmental permit by reviewing data and conducting inspections. Officers were also on site on the 16 November to assess works taking place to install seven additional pin wells for gas extraction and the ongoing covering of the geomembrane cap. Data we have received indicates gas flow to the gas utilisation plant (GUP) is continuing to remain relatively steady.

The extraction rate recorded on 10 November 2022 was 2975 m³/hr and the recorded level of hydrogen sulphide at the GUP was 1230 ppm on 10 November 2022. These results are within the normal operational fluctuations we expect.

5.5 News in brief – 24 November 2022 - Regulatory activity.

We continue to actively regulate and assess Walleys Quarry Ltd's compliance with its environmental permit by reviewing data and conducting inspections. Officers carried out an inspection on 23 November 2022, when they also observed ongoing installation of 7 gas wells. They also carried out an off-site odour assessment.

Data we have received indicates gas flow to the gas utilisation plant (GUP) is continuing to remain relatively steady. The extraction rate recorded on 17 November 2022 was 3100 m³/hr and the recorded level of hydrogen sulphide at the GUP was 1230 ppm. These results are within the normal operational fluctuations we expect.

5.6 News in brief – 1st December 2022 - Regulatory activity.

We continue to actively regulate and assess WQL's compliance with its environmental permit by reviewing data and conducting inspections.

The 7 additional gas wells have been connected to the gas collection network and the extraction of landfill gas from them has begun. Data we have received indicates that gas flow to the gas utilisation plant (GUP) continues to remain relatively steady.

The extraction rate recorded on 25 November 2022 increased slightly to 3,177 m³/hr and the recorded level of hydrogen sulphide [H₂S] at the gas utilisation plant was 1,200 ppm. 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 October and November 2022, and provides complaint numbers, air quality data, H₂S and officer assessments. Some of the data for November is unavailable and will be updated in subsequent reports.
- 6.3 The data from Walleys Quarry Limited covers the period of November 2022 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

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 and 8th November 2022.

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 |

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 |

Appendix 3 – Key Performance Indicators

| Date of Report : 1 November 2022 | | | | | | |
|----------------------------------|-----------------------------|---|-----------------------------|-----------------------------|------|---------------------|
| NULBC | | Information | Measurement | October 2022 | | Summary and Actions |
| KPI 1 | COMPLAINTS | Complaints reported to NULBC | Number | 207 | | |
| KPI 2 | | Complaints reported (daytime 07:00-23:00) | Number | 183 | | |
| KPI 3 | | Complaints reported (night-time 23:00-07:00) | Number2 | 24 | | |
| KPI 4 | | Highest number of complaints during the period | Date (number of complaints) | 18/10/22 (22) | | |
| | | Information | Measurement | | | |
| KPI 5 | AIR QUALITY | Percentage exceedance Odour Annoyance Guideline (Hydrogen Sulphide 30 minute average) | % | MMF 1 (Silverdale Cemetery) | 0.0% | |
| | | | | MMF 2 (Silverdale Road) | 0.6% | |
| | | | | MMF 6 (Fire Station) | 0.1% | |
| | | | | MMF 9 (Galingale View) | 1.0% | |
| KPI 6 | | Monthly Average H ₂ S* *data not final as ratification process not complete | ug/m3 over the month | MMF 1 (Silverdale Cemetery) | 0.5 | |
| | | | | MMF 2 (Silverdale Road) | 0.9 | |
| | | | | MMF 6 (Fire Station) | 0.6 | |
| | | | | MMF 9 (Galingale View) | 0.7 | |
| KPI 7 | H ₂ S PEAK LEVEL | | ug/m3 | MMF 1 (Silverdale Cemetery) | 1.75 | 18/10/22 10:15 |

| | | | | | | |
|-------|--------------------------------------|--|--------------------|-------------------------|-------|---|
| | | Level measured over a 5 minute period Date & Time | | MMF 2 (Silverdale Road) | 44.5 | 14/10/22 08:35 |
| | | | | MMF 6 (Fire Station) | 9.58 | 23/10/22 21:45 |
| | | | | MMF 9 (Galingale View) | 25.12 | 03/10/22 01:00 |
| | | Information | Measurement | | | |
| KPI 8 | MOBILE AIR QUALITY MONITORING MOBILE | H2S Peak Level - measured using a mobile monitor | ppb | 5.94 | | 09/10/22 15:30 Gallowstree Lane |
| | | | ppb | 8.52 | | 21/10/22 17:00 Malham Road |
| | | | ppb | 11.92 | | 11/10/22 20:00 Halfway Place |
| KPI 9 | OFFICER ASSESSMENTS | Odour Rating - Officer odour assessment (5 minute) | Max Odour Rating | | | No assessments recorded as monitoring time <5 minutes |

Date of Report: 1 December 2022

| NULBC | | Information | Measurement | November 2022 | Summary and Actions |
|-------|------------|--|-------------|---------------|---|
| KPI 1 | COMPLAINTS | Complaints reported to NULBC | Number | 146 | <p>Number of unique properties: 56 properties</p> <p>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 (26.0%) Rating 6 = 54 complaints (36.9%)</p> <p>% of complaints reporting odour entering the property = 103 complaints (70.5%) % of complaints reporting health effects = 129 complaints (88.3%)</p> |
| KPI 2 | | Complaints reported (daytime 07:00-23:00) | Number | 136 | |
| KPI 3 | | Complaints reported (night-time 23:00-07:00) | Number | 10 | |

| | | | | | |
|-------|-----------------------------|---|----------------------------------|-----------------------------|--|
| KPI 4 | | Highest number of complaints during the period | Date (number of complaints) | 19/11/22 (15 complaints) | WQL notification of installing 7 pin wells starting 14/11/22 Monday 14/11 – Friday 18/11 (38 complaints) Saturday 19/11 – Sunday 20/11 (22 complaints) |
| | | Information | Measurement | | |
| KPI 5 | AIR QUALITY | Percentage exceedance Odour Annoyance Guideline (Hydrogen Sulphide 30 minute average) | % | MMF 1 (Silverdale Cemetery) | Unavailable at writing of report |
| | | | | MMF 2 (Silverdale Road) | Unavailable at writing of report |
| | | | | MMF 6 (Fire Station) | Unavailable at writing of report |
| | | | | MMF 9 (Galingale View) | Unavailable at writing of report |
| KPI 6 | | Monthly Average H ₂ S* *data not final as ratification process not complete | ug/m ³ over the month | MMF 1 (Silverdale Cemetery) | Unavailable at writing of report |
| | | | | MMF 2 (Silverdale Road) | Unavailable at writing of report |
| | | | | MMF 6 (Fire Station) | Unavailable at writing of report |
| | | | | MMF 9 (Galingale View) | Unavailable at writing of report |
| KPI 7 | H ₂ S PEAK LEVEL | Level measured over a | ug/m ³ | MMF 1 (Silverdale Cemetery) | Unavailable at writing of report |

| | | | | | | |
|-------|-------------------------------|--|--------------------|-------------------------|--|---|
| | | 5minute period Date & Time | | MMF 2 (Silverdale Road) | | Unavailable at writing of report |
| | | | | MMF 6 (Fire Station) | | Unavailable at writing of report |
| | | | | MMF 9 (Galingale View) | | Unavailable at writing of report |
| | | Information | Measurement | | | |
| KPI 8 | MOBILE AIR QUALITY MONITORING | H2S Peak Level - measured using a mobile monitor | ppb | | | |
| KPI 9 | OFFICER ASSESSMENT | Odour Rating - Officer odour assessment (5 minute) | Max Odour Rating | | | KPI not reported as the monitoring time <5 minutes for each assessment' |