

Environment Agency

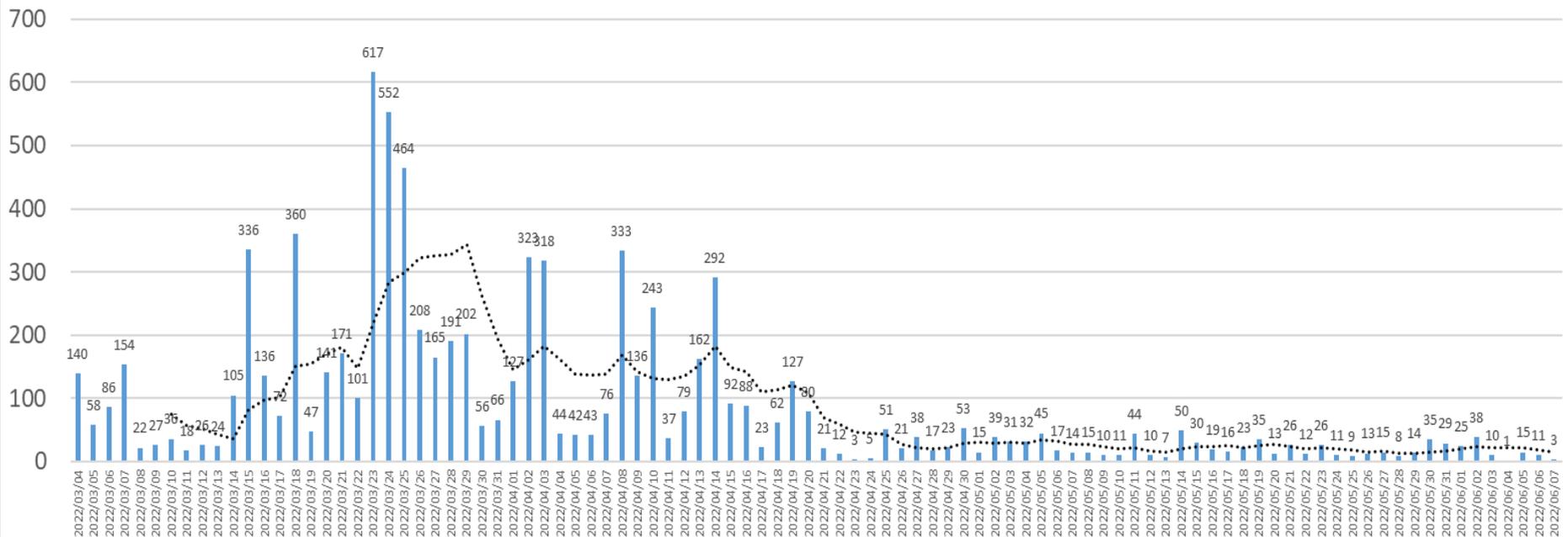
Liaison Meeting - Walleys Quarry Landfill

9 June 2022

Odour reports summary since last liaison meeting – 4 March to 6 June 2022

(recent report numbers may change)

Daily NIRS amenity reports by observed date



Compliance Activities

Compliance activities check whether operators are meeting the conditions set out in their permit; activities are risk based and planned, with the outcomes recorded on a Compliance Assessment Report (CAR) form.

Compliance assessments vary in frequency, duration, detail and complexity:

Site visits: check compliance with some permit conditions

Audits: more in-depth check of compliance with permit conditions

Report/Data reviews: quarterly and annual monitoring reports, engineering reports, notifications

Procedure reviews: review of the operator's procedures to ensure they are both adequate and being followed – for example odour and dust management plans

We record all non-compliances and each is given a score. There are 4 risk categories of non-compliance. They represent the severity of the reasonably foreseeable impact, or in the case of amenity conditions, the actual impact. The scores are accumulated during the compliance year and impact the annual charge.

Compliance Activities

Year	Site Visit & Audit (including remote)	Procedure & Report/Data Review	Permit Breaches Recorded
2019	23	16	11
2020	20	16	14
2021	44	32	27
2022	17	11*	4*

2021 – Amenity Assessments, not included in above figures - 80

2022 – Amenity Assessments, not included in above figures - 35

(Above amenity assessment figures up to 11 May 2022)

* CAR forms which are not on the public register have not been included within this table, therefore permit breaches over this time period may change. Also not included are those CAR form's that are potentially subject to challenge.

Compliance Summary

Compliance summary since the last meeting – 03 March 2022 to 07 June 2022

09 March – Site inspection to assess compliance with a focus on fugitive emissions monitoring

11 March – Review of capping and surface gas emission surveys

15 March – Site inspection to assess compliance focusing on surface water management and surface emissions

16 March – Site inspection focusing on waste acceptance and sampling of incoming waste

25 March – Site inspection focusing on general site management

30 March – Review of CQA plan for replacement of groundwater monitoring borehole 208

31 March – Review of annual monitoring report for 2021

31 March - Site inspection and gas management review

Compliance Summary

6 April – Review of CQA plan for installation of 18 gas extraction wells

6 April – Site inspection focusing on engineering progress and gas well installation

8 April – Procedure review of waste acceptance and pre-acceptance procedures

12 April – Review of CQA plan for capping and restoration works

22 April – Site inspection to check phase 1 and 2 capping and gas well drilling operations progress

29 April – Site inspection to check phase 1 and 2 capping and gas well drilling operations progress

Compliance Summary

5 May – Site inspection focusing on phase 1 and 2 capping and gas well drilling operations

6 May – Site inspection focusing on waste acceptance and sampling of incoming waste

17 May – Site inspection focusing on waste acceptance and sampling of incoming waste

18 May – Site inspection focusing on phase 1 and 2 capping progress and gas management

19 May – Review of additions to the Landfill Gas Management Plan

Air Quality Monitoring

Raw 30-minute H₂S data compared to the WHO odour annoyance level for H₂S. The numbers are the percentage of time the monitoring location has recorded H₂S above the WHO annoyance guideline level:

MMF #	Date																	
	24-30 Jan	31 Jan to 6 Feb	7 Feb to 13 Feb	14-20 Feb	21-27 Feb	28 Feb to 6 Mar	7 – 13 Mar	14-20 Mar	21-27 Mar	28 Mar – 3 Apr	4 Apr -10 Apr	11 Apr 17 Apr	18 Apr 24 Apr	25 Apr 1 May	2 – 8 May	9 – 15 May	16– 22 May	23-29 May
1 = Silverdale Cemetery	0	0	0	0	0	2.4	0.3	3.3	6.8	1.8	1.8	11.9	7.1	5.1	2.7	0.9	0.6	0.3
2 = Silverdale Pumping Station	0	0	0	3.6	4.8	0	3.3	8.1	10.1	9.3	2.5	6.6	1.8	0	4.8	1.2	2.1	0
6 = Fire Station	0	0	0.9	0.3	0.6	0.3	4.2	10.8	21.1	18.8	6.1	9.6	2.7	1.5	-	0	0	0
9 = Galingale View	5.1	0	2.4	2.4	8	15	6	21.2	43.2	25.2	26.0	19.7	10.4	9	-	1.8	2.7	0.89

It is important to note that all of this data is raw data. This means it has not been subjected to quality assurance checking or calibrations. Therefore, the data should not be relied upon to make regulatory or health decisions as this may change significantly once it goes through the quality assurance checking and calibration process.

Air Quality Monitoring data

We strongly recommend that the weekly data on the previous slide is considered in conjunction with the Environment Agency's Monthly Monitoring Report and UK Health Security Agency's Monthly Health Risk Assessment to give a more complete picture of the environmental and health issues in the local area.

EA air quality monitoring data and UKHSA reports for April can be found here:

<https://consult.environment-agency.gov.uk/west-midlands/walleys-quarry-landfill-sliverdale/#section5>

Air Quality Monitoring data

We have produced a report which provides comparisons of ambient air quality data at mobile monitoring facility (MMF) 9 Galingale View, Silverdale between the 6 March 2021 – 30 April 2021 and 6 March 2022 – 30 April 2022.

Whilst caution needs to be exercised when comparing such a small data set of only two months as there are several variables that will have influenced the data, consideration of H₂S concentrations over the two monitoring periods shows a lower mean average concentration for March-April 2022 when compared to March- April 2021.

A copy of the report is available at the hyperlink below

https://consult.environment-agency.gov.uk/west-midlands/walleys-quarry-landfill-silverdale/user_uploads/comparisons-of-ambient-air-quality-data-at-mm9-galingale-view--silverdale-between-the-6-march-2021-----30-april-2021-and-6-march-2022-----30-april-2022.pdf

Communication & Engagement

Weekly EA community updates can be found on the Walleys Quarry web pages:

<https://consult.environment-agency.gov.uk/west-midlands/walleys-quarry-landfill-sliverdale/>

Our Facebook page :

- The community told us a dedicated Facebook group would be useful as a resource for information and interaction
- This was set up in April and we have 360 members currently
- We have held our first FB live session where we answered your questions in May.
- These have been popular – 306 FB members watched the video either live or on catchup
- You can join the Facebook group and watch the recording of our Q&A session [here](#)

<https://www.facebook.com/groups/2093150937533046/>