

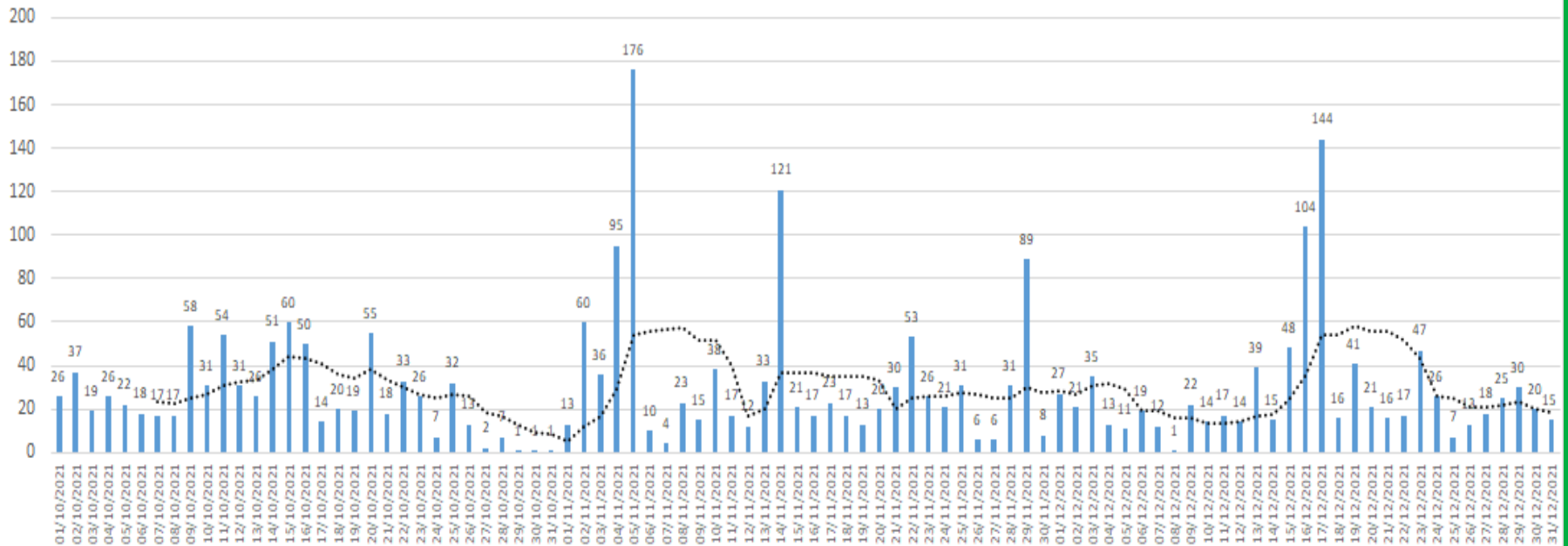
Environment Agency

Liaison Meeting - Walleys Quarry Landfill

13 January 2022

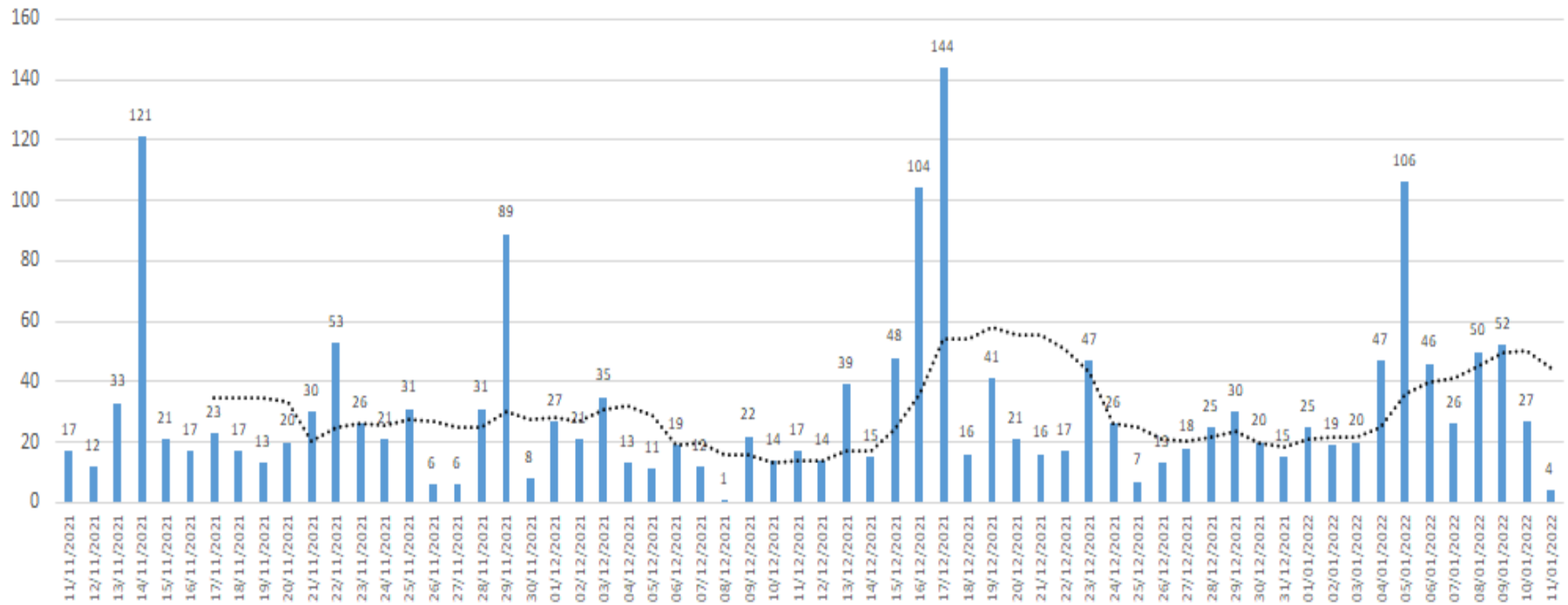
Odour Reports Summary – 1 October to 31 December 2021

Daily NIRS amenity reports by observed date



Odour reports summary since last liaison meeting – 11 November to 10 January 2021

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	1	0	0

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

2022 – Amenity Assessments, not included in above figures - 2

(Above figures up to 10 November 2022 inc)

Compliance Summary

Compliance summary since last meeting – 1 October to 7 Jan 2021

4 Oct - site inspection to check progress of Posi-shell cover application, assess odour, progress of gas well drilling, and drone survey to collect photographic images.

7 Oct – review and guidance given on Atmospheric Dispersion Modelling.

7 Oct – site inspection to check progress of Posi-shell cover application, and installation of gas collection infrastructure in preparation for the drilling of 28 additional gas wells.

14 Oct – site inspection to assess progress of gas well drilling, on-site operations, and odour assessment.

20 Oct – site inspection to check progress with the installation of gas collection infrastructure, the drilling of 28 additional gas wells, and the capping engineering works.

Compliance Summary

28 Oct – site inspection to assess progress of gas well drilling, permanent capping, and on-site operations.

4 Nov - site inspection to review general management of the site.

4 Nov - Review of CQA Report for replacement groundwater monitoring boreholes.

12 Nov - site inspection to review general management of the site.

16 Nov - Review of groundwater monitoring report.

19 Nov – review and acceptance of fire management plan.

23 Nov – review and acceptance of revised pest management plan.

24 Nov – review of capping and phasing plan.

Compliance Summary

1 Dec – review of CQA report for posi-shell installation.

3 Dec – review of gas management plan.

8 Dec – site inspection to review general site management.

14 Dec – site inspection to sample incoming waste, check general site management, and undertake a drone survey.

31 Dec - site inspection to review general site management.

7 Jan – Review of resubmitted capping and phasing plan, deemed insufficient. Further information requested.

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:

<u>MMF NO and Location</u>	<u>04 - 10 Oct 21</u>	<u>11- 17 Oct 21</u>	<u>18 - 24 Oct 21</u>	<u>25 -31 October 2021</u>	<u>1 - 7 November 2021</u>	<u>8 - 14 November 2021</u>	<u>15 - 21 November 2021</u>	<u>22 - 28 Nov 2021</u>	<u>29 Nov - 5 Dec</u>	<u>6 Dec to 12 Dec</u>	<u>13 Dec to 19 Dec</u>	<u>20 dec to 26 Dec</u>	<u>27 Dec to 2 Jan</u>	<u>3 Jan to 9 Jan</u>
1= Silverdale Cemetery	0%	0%	0%	0%	2.9%	0%	0%	0%	0.6%	0.6%	0.9%	0%	0%	1.2%
2 =Silverdale Severn Trent Pumping Station	0%	0.3%	0%	0%	0%	0%	0%	0%	0.9%	0%	0%	0%	0%	0%
6 =Newcastle-under-Lyme Community Fire Station	0.3%	1.5%	0%	0%	3.3%	1%	0%	0%	0%	0.9%	3%	0%	0%	2.1%
9 =Galingale View Severn Trent Pumping Station	5%	9%	1.5%	0%	13.5%	10%	1.2%	11%	9%	6.6%	18.5%	3%	2.4%	16.2%

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.

Click to add text

EA air quality monitoring data and UKHSA reports for September and November can be found here

[Walleys Quarry Landfill Site - Latest Update - Environment Agency - Citizen Space \(environment-agency.gov.uk\)](#)

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/>