

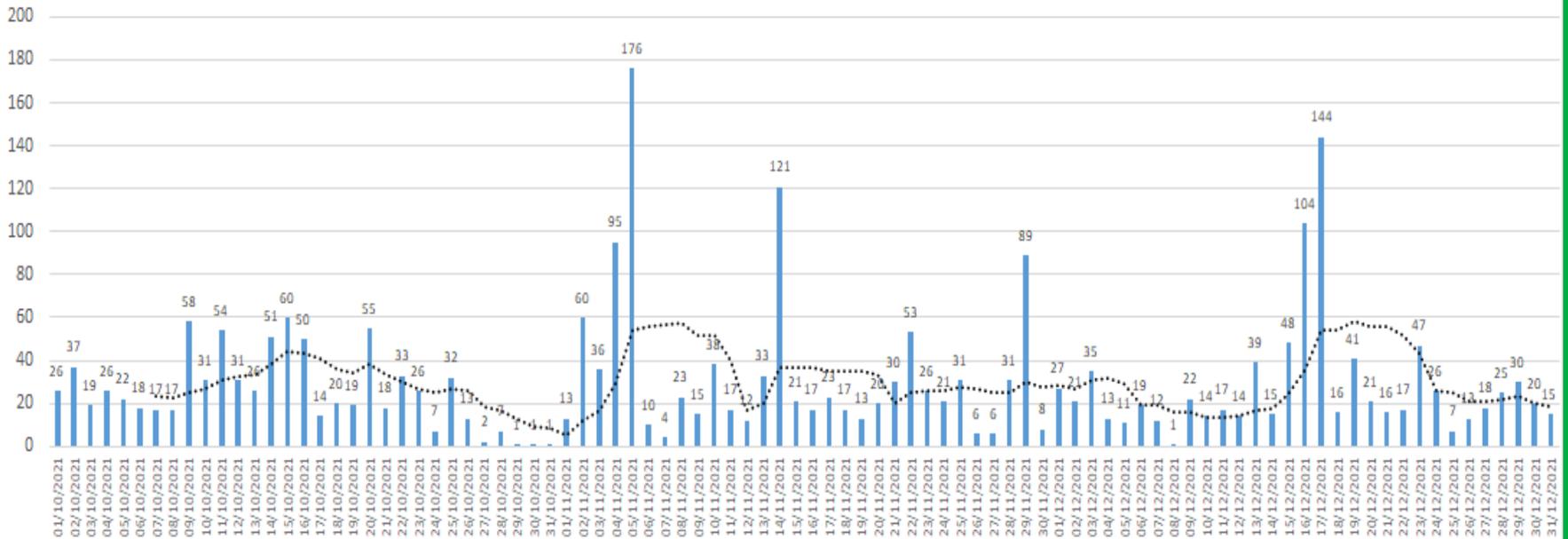
Environment Agency

Liaison Meeting - Walleys Quarry Landfill

3 March 2022

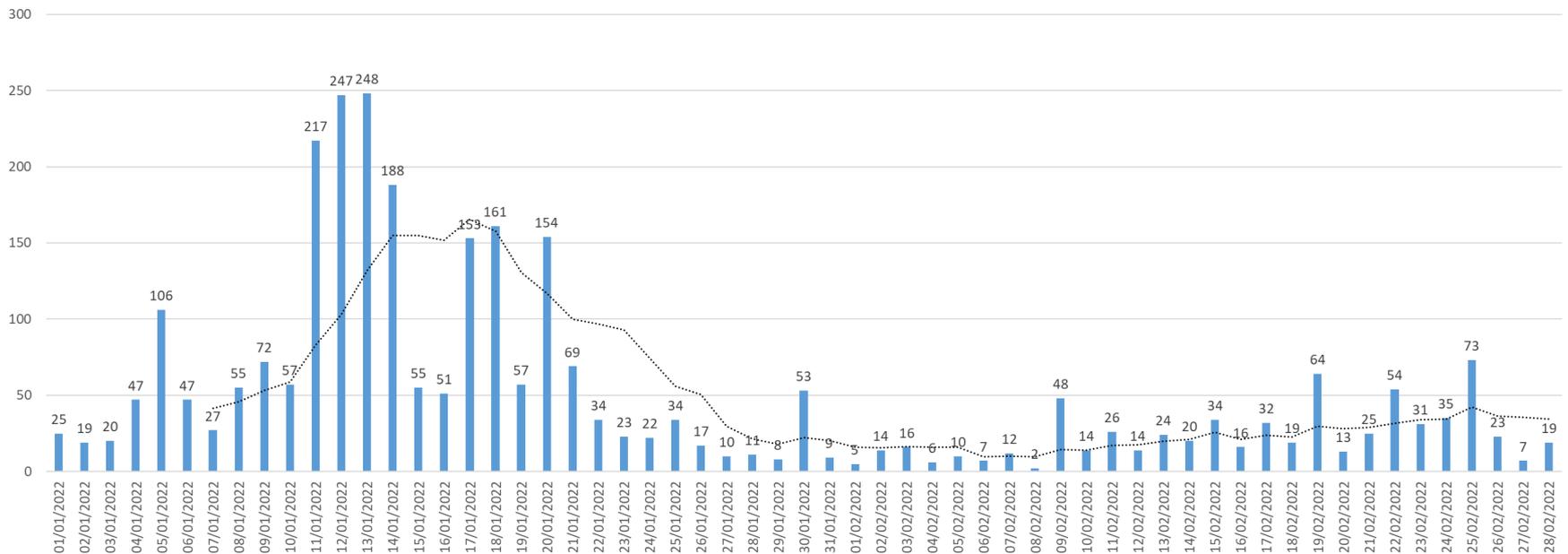
Odour Reports Summary – 1 October to 31 December 2021

Daily NIRS amenity reports by observed date



Odour reports summary since last liaison meeting – 1 January to 28 February 2022

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	7	6	0*

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

2022 – Amenity Assessments, not included in above figures - 12

(Above amenity assessment figures up to 28 February 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.

Compliance Summary

Compliance summary from 07 January 2022 to 28 February 2022

07 January – Site inspection to check general site management and compliance

07 January – Review of revised Capping and Phasing Plan

13 January – Procedural review of Leachate Management Action Plan

14 January – Site inspection to review site management, compliance, and review of Landfill Gas Management data

19 January – Site inspection for the purpose of sampling incoming waste

27 January – Site inspection to review site management, assess compliance, and review trace gas emission testing

28 January – Review of gas emissions surveys

Compliance Summary

01 February – Review of Landfill Gas Management plan and Landfill Gas Risk Assessment and acceptance of updated submission

08 February – Site inspection to check general site management and sampling of incoming waste and duty of care assessment

09 February – Meeting to discuss the review of the updated Capping and Phasing Plan submissions

16 February – Site inspection and check of gas management and leachate infrastructure

21 February- Review and acceptance of Capping and Phasing Plan

24 February – Site inspection to check general site management and assessment of site conditions

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 No and Location	15 – 21 Nov 2021	22-28 Nov 2021	29 Nov – 05 Dec 2021	06-12 Dec 2021	13 -19 Dec 2021	20 Dec – 26 Dec 2021	27 Dec - 02 Jan 2022	03 – 09 Jan 2022	10 Jan - 16 Jan 2022	17 Jan - 23 Jan 2022	24 Jan - 30 Jan 2022	31 Jan - 6 Feb 2022	7 -13 Feb 2022	14-20 Feb 2022	21-27 Feb 2022
1= Silverdale Cemetery	0.0%	0.0%	0.6%	0.6%	0.9%	0.0%	0.0%	1.2%	14.9%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2= Silverdale Severn Trent Pumping Station	0.0%	0.0%	0.9%	0.9%	0.0%	0.0%	0.0%	0.0%	11.9%	7.0%	0.0%	0.0%	0.0%	3.6%	4.8%
6= Newcastle-under-Lyme Community Fire Station	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	2.1%	21.4%	10.0%	0.0%	0.0%	0.9%	0.3%	0.6%
9= Galingale View Severn Trent Pumping Station	1.2%	11.0%	9.0%	6.6%	18.5%	3.0%	2.4%	16.2%	53.3%	41.0%	5.1%	0.0%	2.4%	2.4%	8.0%

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 December and EA air quality monitoring data for January 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 looking at the air quality data that we have collected at the four mobile monitoring facilities (MMF's) that are deployed in Silverdale. The report, called "*Environment Agency – Study of Ambient Air Quality at Silverdale, Interim Report 1 – March to September 2021*", identifies the local sources of hydrogen sulphide and quantifies the environmental impact of the emissions from these sources on the surrounding area and the local community.

A copy of the report is available at the hyperlink below and further reports will be prepared during 2022 as more data is collected.

https://consult.environment-agency.gov.uk/west-midlands/walleys-quarry-landfill-silverdale/user_uploads/environment-agency---study-of-ambient-air-quality-at-silverdale--interim-report-1---4-march-to-30-september-2021.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/>

Permit Variation Consultation – Closes 21 March 2022

How we have consulted:

Newspaper advert in the Stoke Sentinel (official print advert but also online: [Have your say on proposed permit changes at Walleys Quarry landfill site - Stoke-on-Trent Live \(stokesentinel.co.uk\)](#))

Email with link to all MP's and all 153 councillors who are on our mailing lists.

Press release through Defra Comms to various media outlets [Consultation to begin on proposed changes to permit conditions at Walleys Quarry - GOV.UK \(www.gov.uk\)](#)

It's on our normal Citizen Space pages in the weekly update under the latest news section: [Walleys Quarry Landfill Site - Latest Update - Environment Agency - Citizen Space \(environment-agency.gov.uk\)](#)

We tweeted about it through the EA West Mids Twitter account. [Env Agency Midlands on Twitter: "Consultation on our draft decision to vary the environmental permit for Walleys Quarry Landfill begins on Monday 21 February. Further information, including details about how to access the consultation documents and submit comments, is available online at https://t.co/4WPKHmA1o1 https://t.co/vuQWe73LnZ" / Twitter](#)

There are hard copies in local libraries to be viewed.