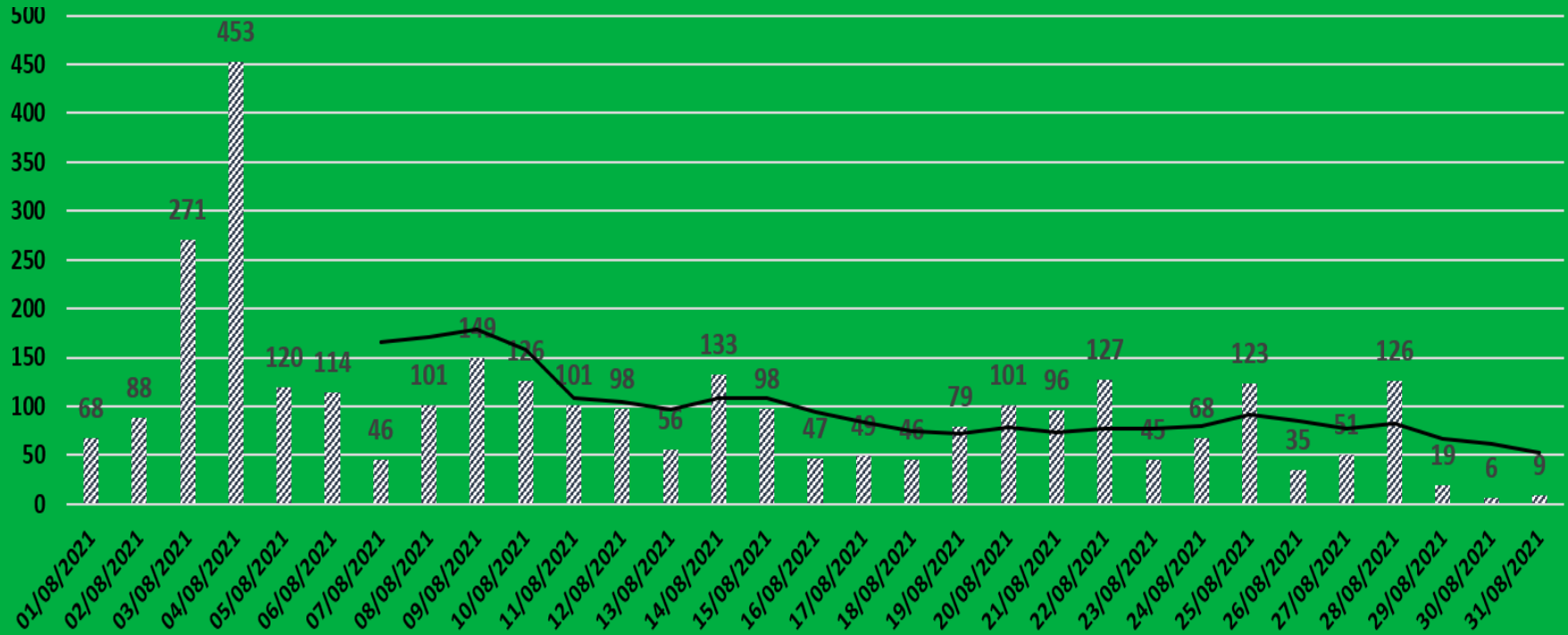


# **Environment Agency**

## **Liaison Meeting - Walleys Quarry Landfill**

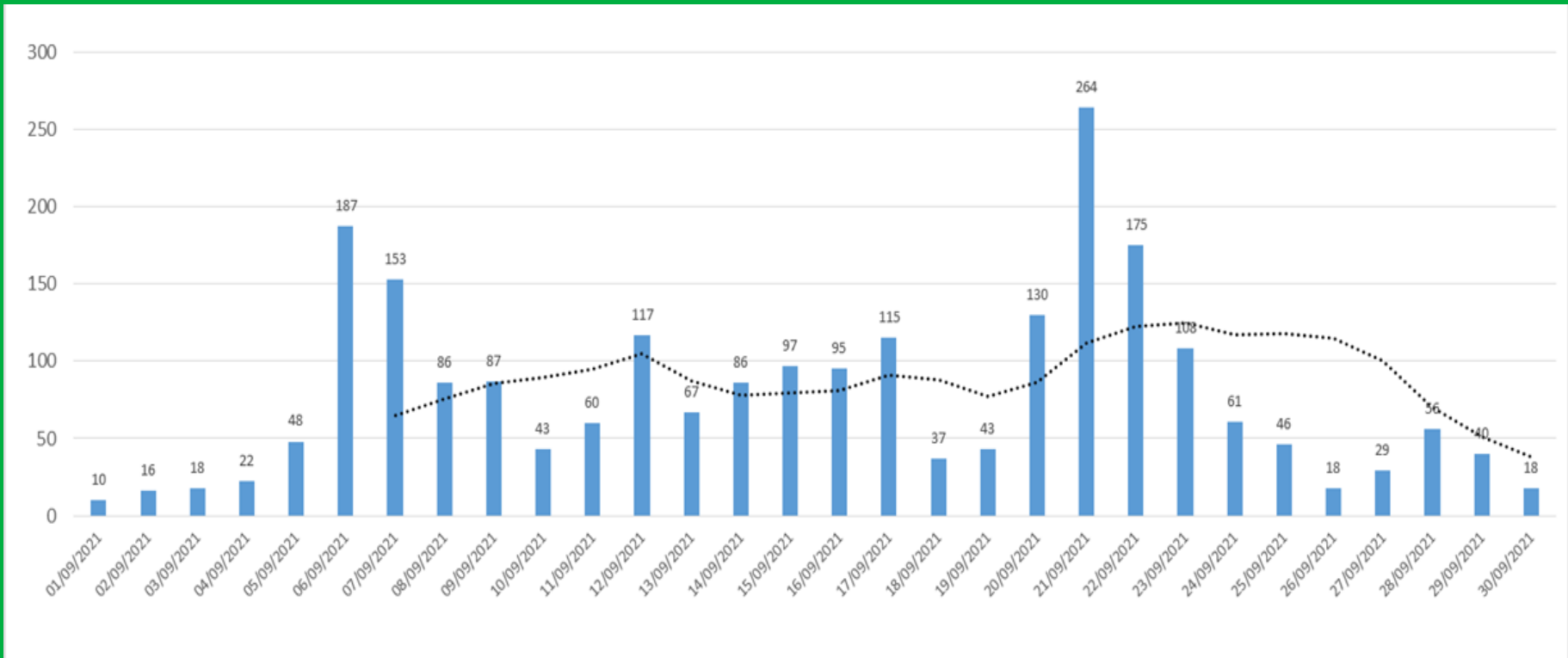
**30 September 2021**

# Odour Reports Summary – August



# Odour Reports Summary – September

( 0 reports to be added )



# 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 management plan, dust management plan

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	35	25	18

**2021 – Amenity Assessments, not included in above figures – 73  
(Above figures up to 8th Oct inc)**

# Compliance Summary

Compliance summary since last meeting - 29 July to 30 September 2021

4 August – data review of CQA report for installation of 13 gas extraction wells.

4 August – site inspection. Landfill gas odour detected at site entrance. Infrastructure works in progress for gas utilisation plant. Silo of activated carbon delivered in preparation for using two gas engines again. Leachate being pumped to a tanker for removal offsite. Pre-acceptance records requested for 4 waste loads deposited during site inspection. Scavenging birds noted; details requested for pest control arrangements. Gas capture data requested following increased odour complaints on 3 & 4 August.

12 August – procedure review of Gas Management Plan. Matters to be addressed raised and updated plan required.

18 August – report required to review the gas production model and atmospheric dispersion modelling.

# Compliance Summary

18 August – procedure review of fire management plan. Further information requested.

18 August – out of hours offsite inspection to check on daily cover. Found cover inadequate & pests scavenging. Non-compliance recorded & recommendations made.

19 August – site inspection to monitor odour, and progress with waste deposit & capping. Non-compliance recorded for offsite odour & recommendations made.

24 August – report review of method statement and procedures for Posi-shell installation.

26 August – site inspection to monitor odour, and progress with waste deposit & capping. Routine perimeter gas monitoring being conducted. Pest management discussed.

7 September – report review, of CQA report for installation of 5 gas extraction wells.

# Compliance Summary

7 September – report review of April to June (Quarter 2) environmental monitoring data. Non-compliances recorded for leachate management, and exceedances of boundary gas and groundwater emission limits. Leachate management action plan to be submitted by the 1 December 2021

10 September – site inspection to monitor odour and check progress of Posi-shell application.

13 September – approval of CQA report for installation of 28 gas extraction wells.

14 September – review of Landfill Gas Management Activities Plan. Recommendations made and further information required.

20 September – review of Landfill Gas Management Plan. Recommendations made and further information required.

23 September – site inspection to monitor odour, assessment of Posi-shell application and installation of gas wells, capping and phasing plan



# Air Quality Monitoring

Raw 30-minute H<sub>2</sub>S data compared to the WHO odour annoyance level for H<sub>2</sub>S. The numbers are the percentage of time the monitoring location has recorded H<sub>2</sub>S above the WHO annoyance guideline level:

Monitoring station	16-22 Aug. 2021	23-29 Aug. 2021	30Aug –05 Sept 2021	06-12 Sept 2021	13-19 Sept 2021	20-26 Sept 2021	27Sept- 03 Oct 2021
MMF1 - Silverdale Cemetery	1%	0%	0%	0%	0%	3%	0%
MMF2 - Silverdale Road	1%	0%	0%	1%	0.6%	2%	0%
MMF6 - Newcastle-under-Lyme Fire Station	4%	1.5%	0.3%	13%	7.3%	6%	0%
MMF9 - Galingale View	5%	17%	2.1%	18%	11.7%	11%	0.3%

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 - August 2021

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 for August can be found here

[https://consult.environment-agency.gov.uk/west-midlands/walleys-quarry-landfill-silverdale/supporting\\_documents/Monthly%20Air%20Quality%20Report%20Silverdale%20%20August%20Monitoring%20Period%20%20Final.pdf](https://consult.environment-agency.gov.uk/west-midlands/walleys-quarry-landfill-silverdale/supporting_documents/Monthly%20Air%20Quality%20Report%20Silverdale%20%20August%20Monitoring%20Period%20%20Final.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/>