

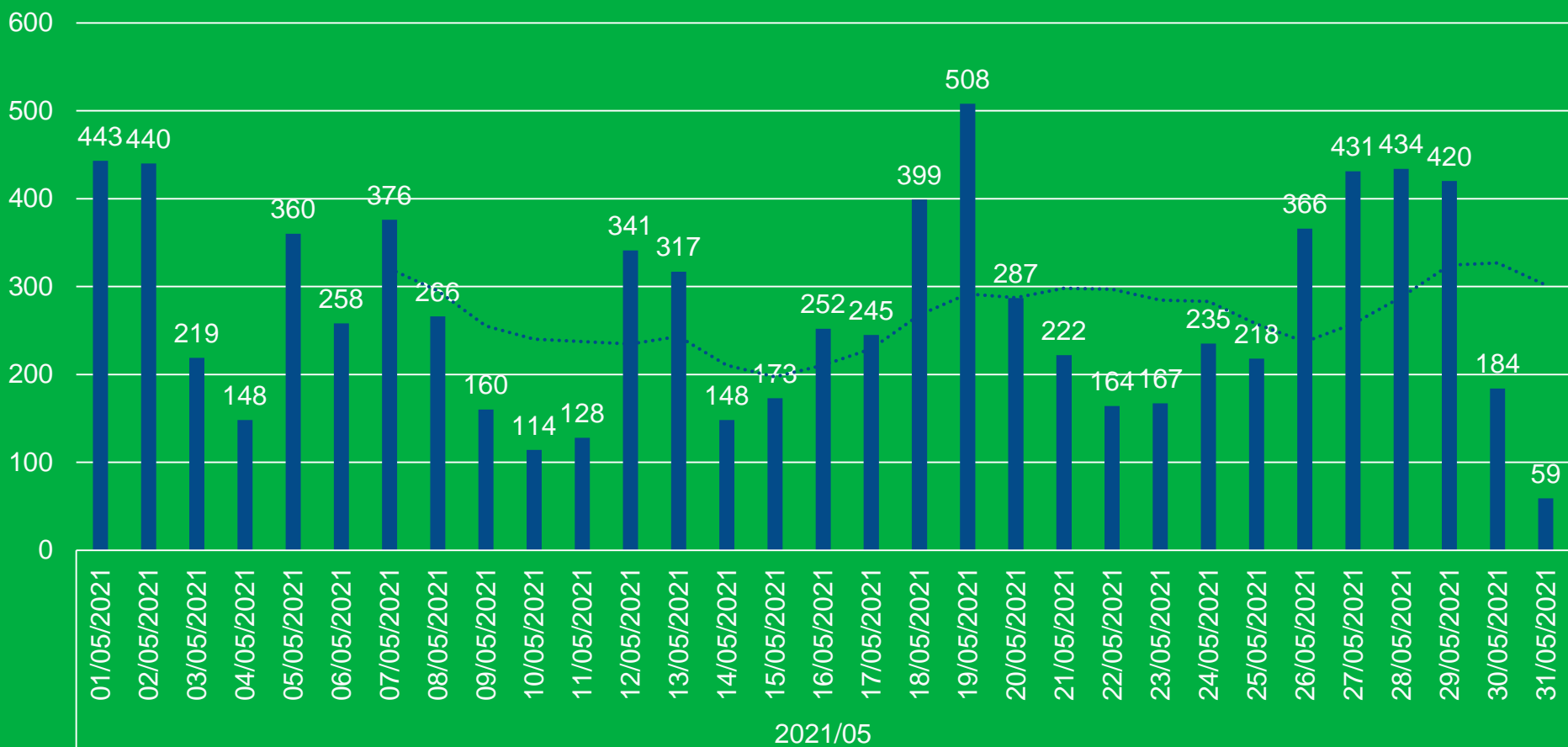
Environment Agency

Liaison meeting - Walleys Quarry landfill

10 June 2021

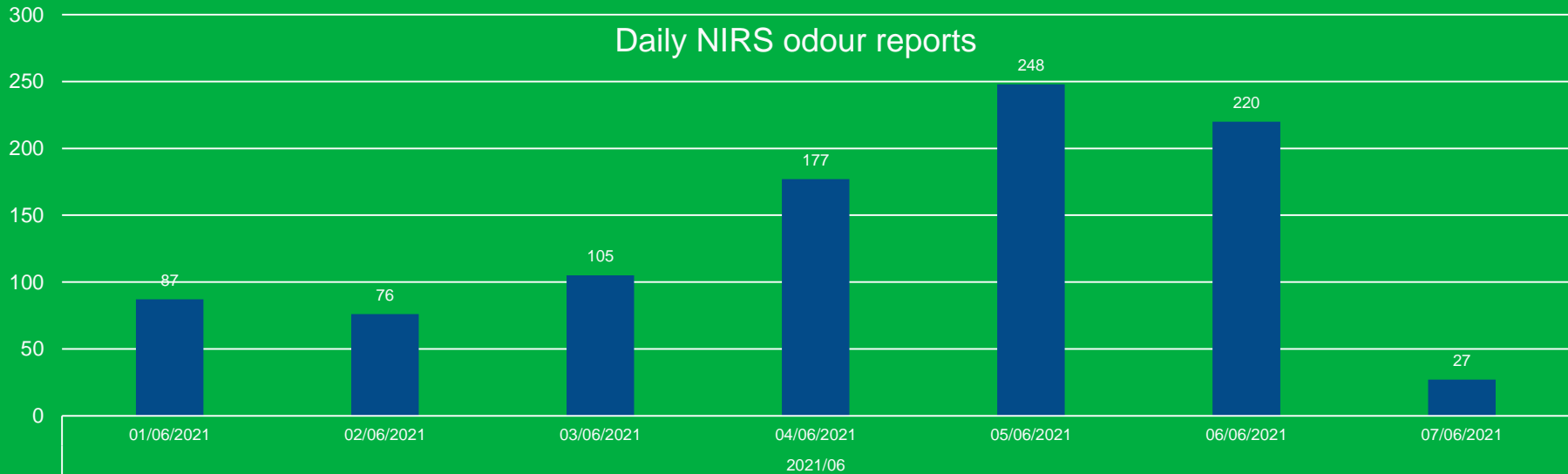
Complaints Summary – May

Daily NIRS odour reports



Complaints Summary – June

Complaints received - June 2021*



* (email complaints to be added for last days of June)

Waste types accepted 2021

EWC Chapter	2021 (Jan to Mar)
01 - Mine & Quarry	695.52
03 - Furniture & Paper/Card	23.2
08 - Paints and Inks	12.58
10 - Thermal Processes	1815.38
12 - Shaping Metal/Plastics	29.74
15 - Packaging	41.56
16 - Other waste from Industrial processes	126.26
17 - C & D	19390.96
18 - Healthcare	258.04
19 - Water & Waste Treatment	84155.86
20 - Municipal	2380.2

Waste removed 6068.32 tonnes – Landfill leachate

Complaints Summary

Compliance process checks whether operators are meeting the requirements set out in the conditions of their permit, process is 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, includes odour assessments off site

Audits: More in depth inspection

Review of report & data: quarterly and annual monitoring reports, engineering reports, notifications

Procedure reviews: review of the operators procedures to ensure they are both adequate and being followed

We record all non compliances, 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 at Walleys Quarry

Year	Site Visit / Audit / Remote reviews	Procedure Review / Report or Data review	Permit breaches recorded
2019	23	16	11
2020	20	16	14
2021	21	11 - including remote review	10

2021 - Amenity Assessments, not included in above figures - 53

Compliance summary

Compliance summary since last meeting on 22 April

1 May – Site visit for verification of capping works. Construction was supervised by suitably qualified independent engineer. Construction Quality Assurance validation report submitted and currently being reviewed.

April / May – Rejected loads (6 loads from 5 producers) due to waste containing plasterboard. Two producers within West Midlands area have been visited, details of the 3 other producers has provided to local teams and Nature Resources Wales to review.

Dust review – updated procedures requested to consider comments within our review issued on 18 May 2021.

7 May – Site visit prior to which officers detected odour off site at level of annoyance which was considered to be due to the lack of remedial measures for fugitive emissions. Temporary capping works extended further than originally planned. Screening of soils ongoing for use in restoration our geo membrane

Compliance summary

Surface Emissions surveys and action plan – Compliance form issued 19 May 2021. Review of three surface emissions surveys showed number of locations requiring remedial actions. Operators to complete work by 1 June with repeat survey by 18 June.

Site visit on 2 June completed to verify above works have been completed. The repeat site survey was completed during w/c 26 May earlier than required. We are currently waiting for this to be submitted.

Review of leachate abstraction commenced, the current limiting factor is pumping leachate out of the site not treatment or tankering capacity

Additional sealing – Surface Emissions surveys identified additional areas for further sealing works. The operator is proposing to use a product called PosiShell. The installation date is to be confirmed.

Validation reports are being reviewed for capping of cell 1 and gas wells which were installed in Nov 2020 & Feb 2021.

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:

Monitoring station	10 May – 16 May	17 May - 23 May	24 May – 30 May	31 May – 6 June
MMF1 - Silverdale Cemetery	15%	1%	7%	30%
MMF2 - Silverdale Road	20%	9%	15%	1%
MMF6 - Newcastle-under-Lyme Fire Station	1%	10%	16%	6%
MMF9 - Galingale View	10%	53%	47%	18%

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.

Variation Application

Variation application received in July 2020 and Duly Made on 11 November 2020. This means we have sufficient information to commence our determination of the application.

The variation application requests the following changes:

- Increase leachate levels within the site, with a supporting Hydrogeological Risk Assessment to demonstrate the change will not cause pollution of groundwater.
- Increase the compliance limit for methane for one borehole and to amend the carbon dioxide limit for 13 boreholes. This is to account for the presence of higher levels of carbon dioxide in the background, within mine gas in the local strata.
- To change the design of the capping to include the option for using membrane. Currently the site is permitted to use a 1 metre clay cap only.
- Install an additional Landfill Gas Engine (added to application in February 2021)

Consultation will be undertaken on Draft “minded to” decision once this is complete.

We will only issue a permit variation if we believe that harm to the environment, people and wildlife will be minimised and that the operator can meet the conditions of the permit.

Communication & Engagement

- **Community Updates on web page**
 - <https://consult.environment-agency.gov.uk/west-midlands/walleys-quarry-landfill-sliverdale/>
- **Engagement Sessions**
 - Councillor event
 - Wednesday 26 May
 - Tuesday 8 June
 - Community events
 - Wednesday 26 May
 - Wednesday 9 June