

Community Liaison Meeting

November 2021



Operational Update



- H&S
- Operational Performance
- Environmental performance
- Education and Visitors Centre

Health & Safety Overview



- 0 Accidents since the last CLG resulting in personnel injury.
 - No LTAs, none RIDDOR reportable
- 12 events resulting in damage to property.
 - Including the UPS battery overheating event – LFRS attended site
- 9 events labelled as fire, the potential for fire or fire fighting equipment.
 - LFRS not required. One small fire on the ash extractor flexible seal..
- Average of 16 near misses reported per month.
 - decrease from 22 previously
- 11 Environmental events recorded
 - Non required reporting to the EA, included one fly tipping
- 1 Complaint recorded
 - Relating to Poor driver behaviour on the A41.
- 6 Security related events
 - Including pornographic photos being left on a bridleway – Police informed.

Incidents/Damage



- Greatmoor – 12 incidents with 'Damage or Loss to' tag:
 - 5 punctures
 - Crane Rope degradation
 - Loss of filter bag
 - 2 x damage by plant to structure

Fire Related Events/Reports

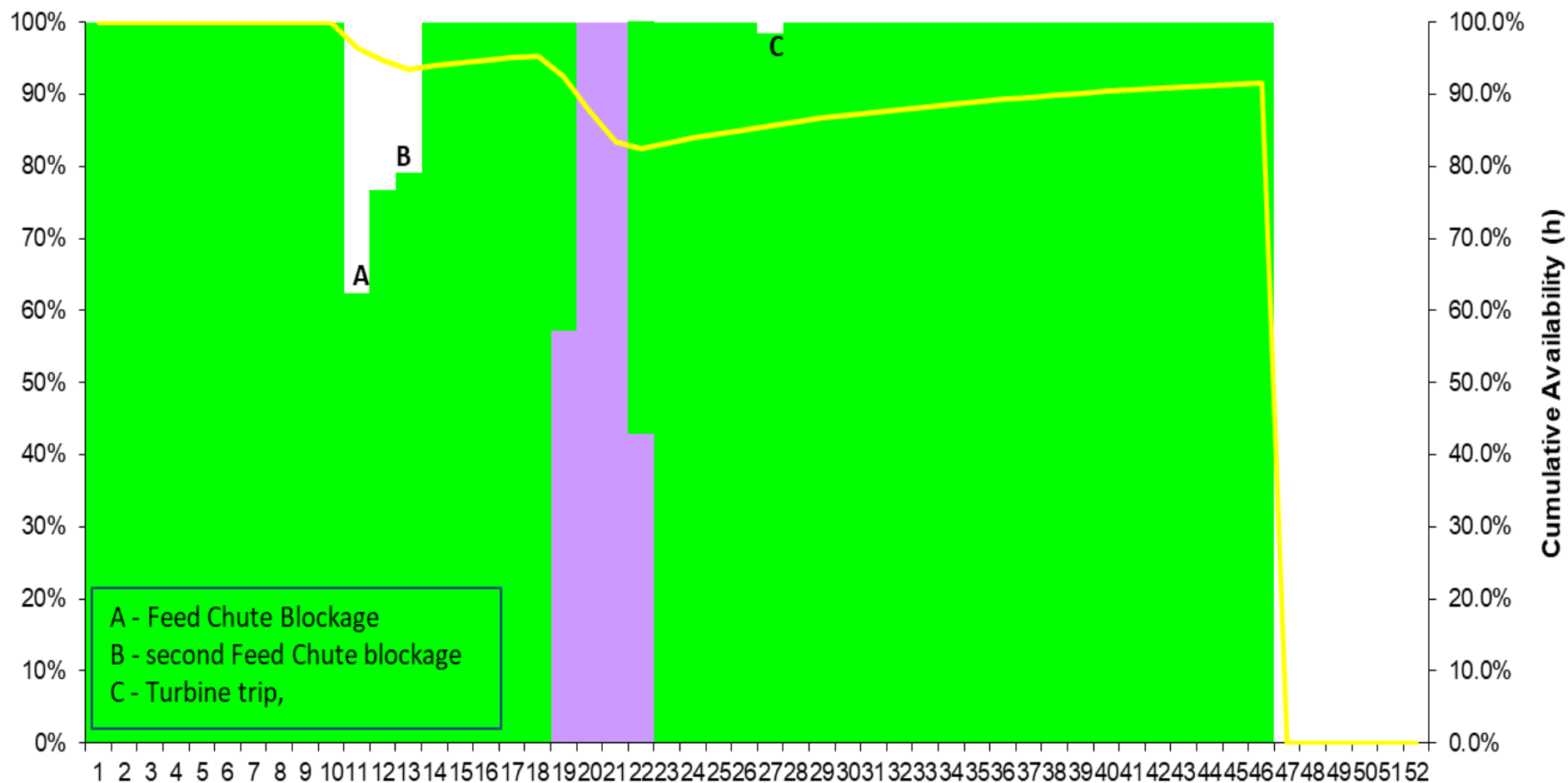


- 9 events with 'Fire' label
 - 5 x False Alarms
 - One damaged fire door closing mechanism
 - One minor conflagration event – flames seen on rip in the bottom ash extractor flexible. Extinguished with a hosepipe.

Boiler Availability and Main Losses 2021



Greatmoor - Availability



External and Access Road



- **“The Phoenix” sculpture;** Builders consulted about the design of the plinth (a representation of the old brick works chimney) drawings received, planning permission submitted.





- **Traffic management proposals;** site visit conducted in December on the access road. Proposals for traffic light system received. Meeting planned for early December.
- **Bridge GUA1;** this bridge is now fully under the control of HS2. They will be removing the walls and parapets to reduce the probability of collapse.
- **HS2/EWR prep work** has begun. Timeline suggests works will take 5+yrs.

Look Ahead



➤ Quiet Period leading up to Christmas.

Environment



Environment Headlines



The site remains 100% compliant with its Environmental Permit, and classified in “Band A” by the Environment Agency.

- Permit Notifications – None
- Complaints – In October MOP reported an altercation with an FCC Lorry Driver.
- Following approval from the EA, Boiler Ash was diverted to combine with IBA on 18th September.
- “Abnormal Operations” occurred in August and October during particulate bag filter damage (detail in emissions section).

Environmental Incidents



- 11 Events since the last CLG on 23rd August including:
 - *Boiler alarm due to explosion on the grate.*
 - *One incident of fly tipping.*
 - *Hole in activated carbon line required hose to be changed.*
 - *Issues with CEMS analyser (not transferring data to DCS, alarms causing switch over to standby or duty,) No data lost.*
 - *Failure of particulate bag filters on four occasions between 31st August and 23rd October.*

Emissions

CONTINUOUS MONITORING



PERMIT COMPLIANCE; Continuous

- Greatmoor EFW continuous measurement with CEMs under BS EN 14181
- The data is submitted quarterly to the EA in a specific format. That data has been used to put together the following graphs:

Environmental Permit Limits

Substance	½ Hour average	Daily average
Dust	30	10
HCl	60	10
NOx	400	200
SO ₂	200	50
TOC	20	10

Substance	10 min average	Daily average
CO	150	50

Measured in mg/m³



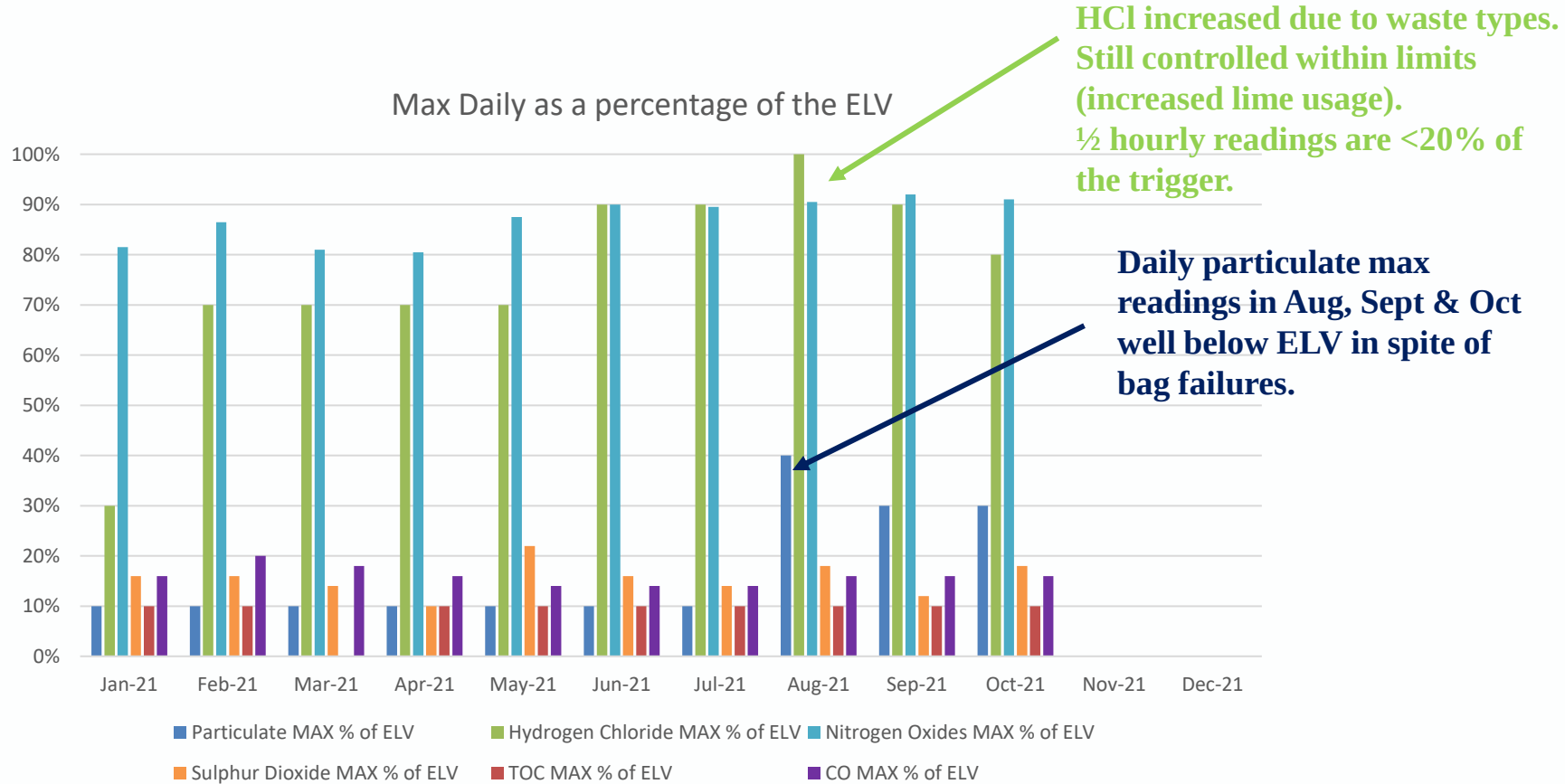
ENERGY FROM WASTE ➡➡

The Average 1/2 hr particulate readings remained very low throughout.

The chart displays monthly compliance percentages for five pollutants against their respective ELV (Environmental Limit Value) limits. The Y-axis represents the percentage from 0% to 100%. The X-axis shows months from Jan-21 to Dec-21. For each month, there are two groups of bars: MAX % of ELV and Average %. The pollutants are: Particulate (dark blue), Nitrogen Oxides (teal), Hydrogen Chloride (green), Sulphur Dioxide (orange), and TOC (red). A blue line graph is overlaid on the chart, starting at approximately 10% in Jan-21 and rising to nearly 100% by Nov-21. A blue arrow points from the line graph to the Particulate MAX % of ELV bar in Oct-21.

Month	Particulate MAX % of ELV	Particulate Average %	Nitrogen Oxides MAX % of ELV	Nitrogen Oxides Average %	Hydrogen Chloride MAX % of ELV	Hydrogen Chloride Average %	Sulphur Dioxide MAX % of ELV	Sulphur Dioxide Average %	TOC MAX % of ELV	TOC Average %
Jan-21	7%	3%	53%	40%	8%	3%	5%	3%	5%	5%
Feb-21	13%	3%	48%	40%	23%	10%	10%	3%	5%	5%
Mar-21	3%	3%	61%	40%	21%	10%	10%	2%	10%	10%
Apr-21	3%	3%	45%	40%	20%	10%	5%	2%	5%	5%
May-21	3%	3%	61%	40%	15%	7%	38%	3%	10%	5%
Jun-21	3%	3%	56%	44%	27%	13%	10%	2%	5%	5%
Jul-21	3%	3%	50%	44%	25%	13%	5%	2%	10%	5%
Aug-21	100%	3%	67%	44%	21%	15%	5%	3%	15%	5%
Sep-21	66%	6%	64%	44%	21%	12%	5%	3%	15%	5%
Oct-21	100%	6%	62%	44%	20%	10%	13%	3%	15%	5%
Nov-21	100%	6%	62%	44%	20%	10%	13%	3%	15%	5%
Dec-21	100%	6%	62%	44%	20%	10%	13%	3%	15%	5%

CEMS Emissions year to date



Summary

- No issues, site 100% compliant with Permit
- 'Abnormal Operations' notified to the Environment Agency when Particulate filter bags failed.
- The cause of bag failures has now been identified and repaired. All potentially weakened bags replaced to prevent future failures.
- Periodic stack testing was completed last week, awaiting results from contractor.



Jez Elkin Visitors Centre

Visits To Greatmoor

Since last meeting

1st visit since reopening was on 3rd September

30 visits

38 tours

408 visitors



Visits To Greatmoor

Some Key Visits

- 3rd Sept Chiltern Society (1st visit after reopening)
- 12th Oct Tring School (1st school visit)
- 8th Nov Dept of Business, Energy & Industrial Strategy
- 17th /18th Nov St Edwards Junior School (1st large Primary School visit)



Visits To Greatmoor

Future Visits

8 visits booked before end of the year

19 booked for 2022

Another 13 visits – waiting for confirmation of date



Outreach Visits

Prestwood WI
Oakley Primary school
Winslow Rotary Club

9 outreach visits booked between Nov 2021 and July 2022



