

Community Liaison Meeting

January 2021



Operational Update



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

Airsweb Reporting System Categories:



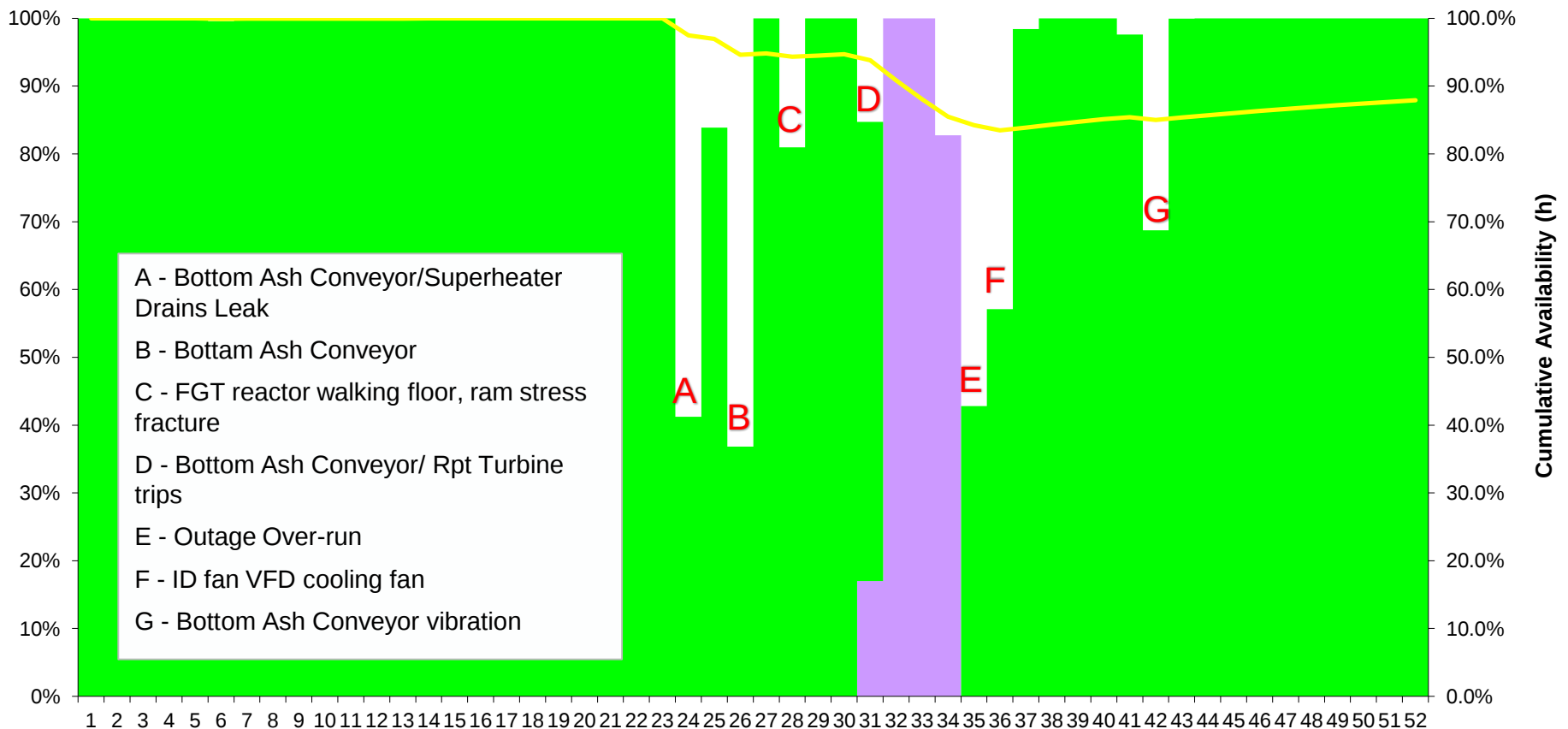
➤➤ In the Last Quarter there have been:

- Accidents: None
- Occupational Illness: One (Contractor)
- ENV Incidents: One (IBA lagoon)
- Damage Loss Events: 8 Reported
- Security/Violence: 2 events (access road and entry phone)
- Hazards/Near Misses: 90 identified
- Fire: 3 events (no fires)
- Schedule Notifications: None
- CAR Forms: 2 (routine)
- Complaints: 1 (noise – unsubstantiated)

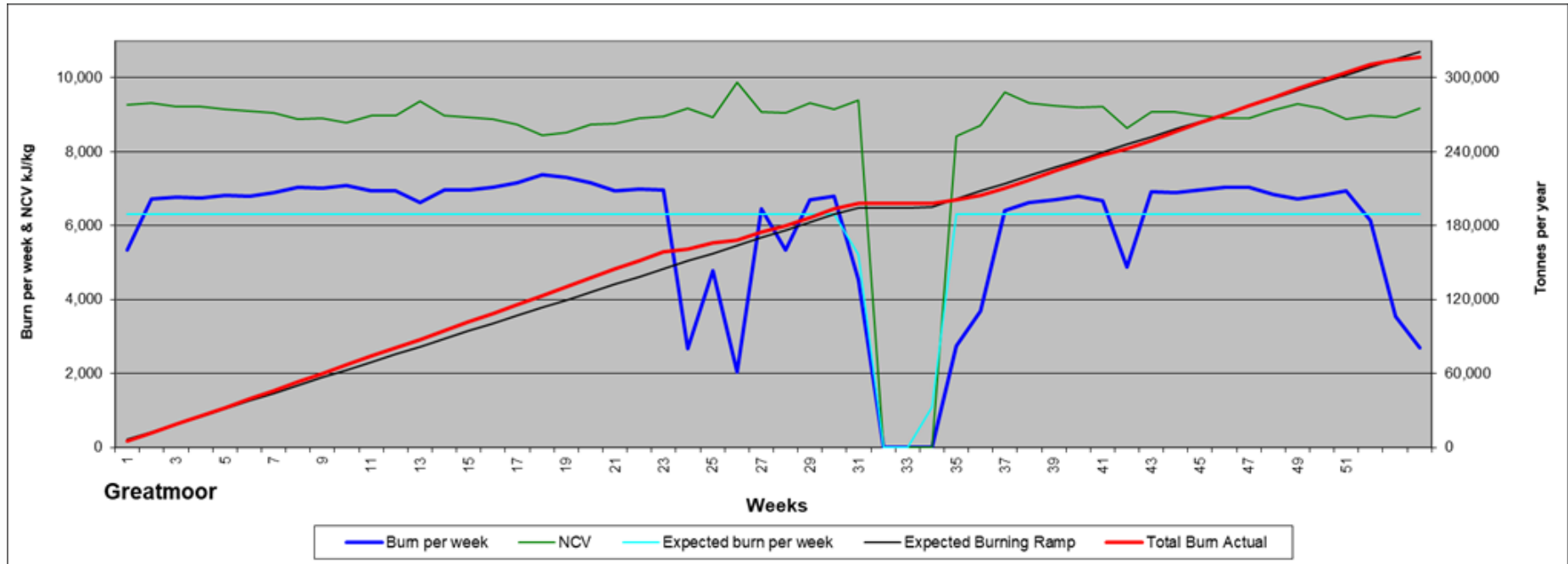
Boiler Availability and Main Losses 2020



Greatmoor - Availability



Waste Throughput

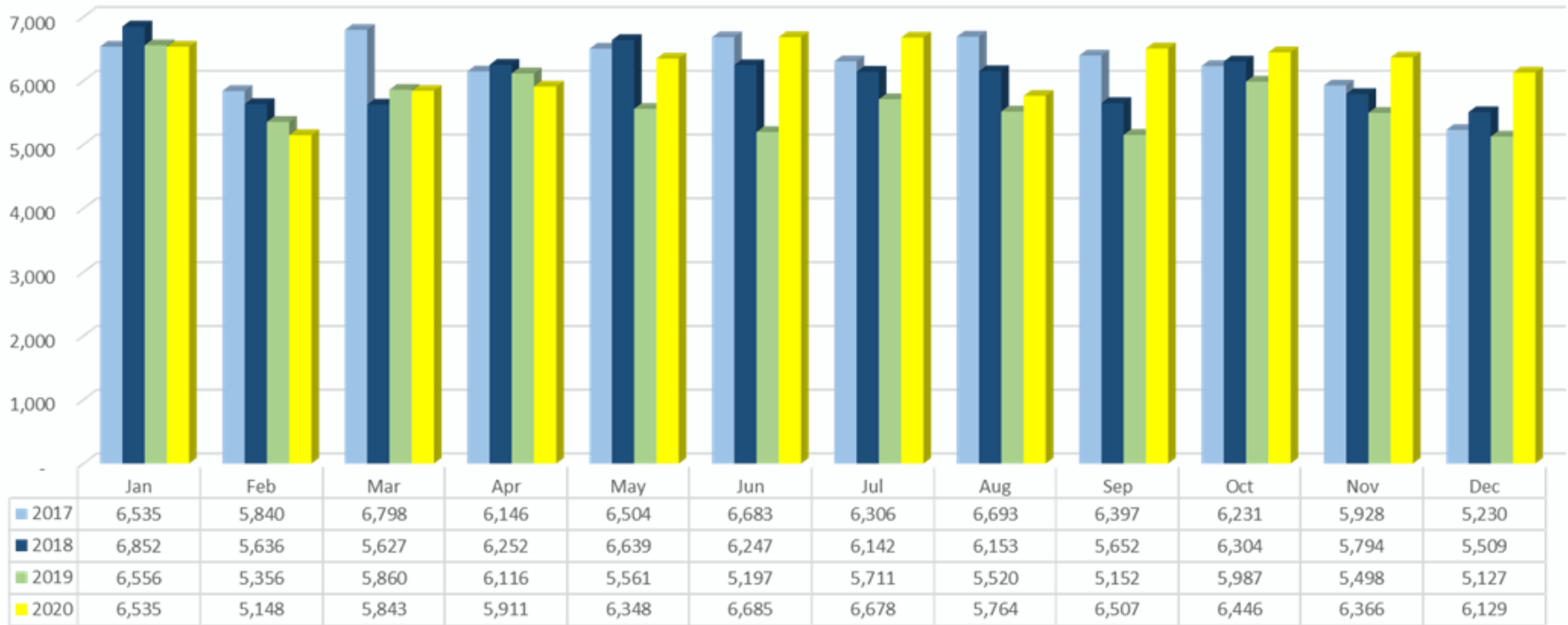


- Burn rates reflect the availability shown in the previous slide.
- Consistent over performance in the first half of the year and the last quarter making up for the Outage over-run and unreliability of the bottom ash extractor.

High Heavens Transfer Station

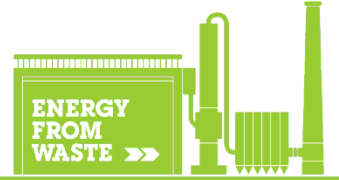


Contract Waste Received 2017-20



➤➤ Year on year there was a 10% increase in waste received at HH 2020 v 2019

➤➤ New fire fighting system planned for installation in 2021



Environment

Paula Alvarez



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

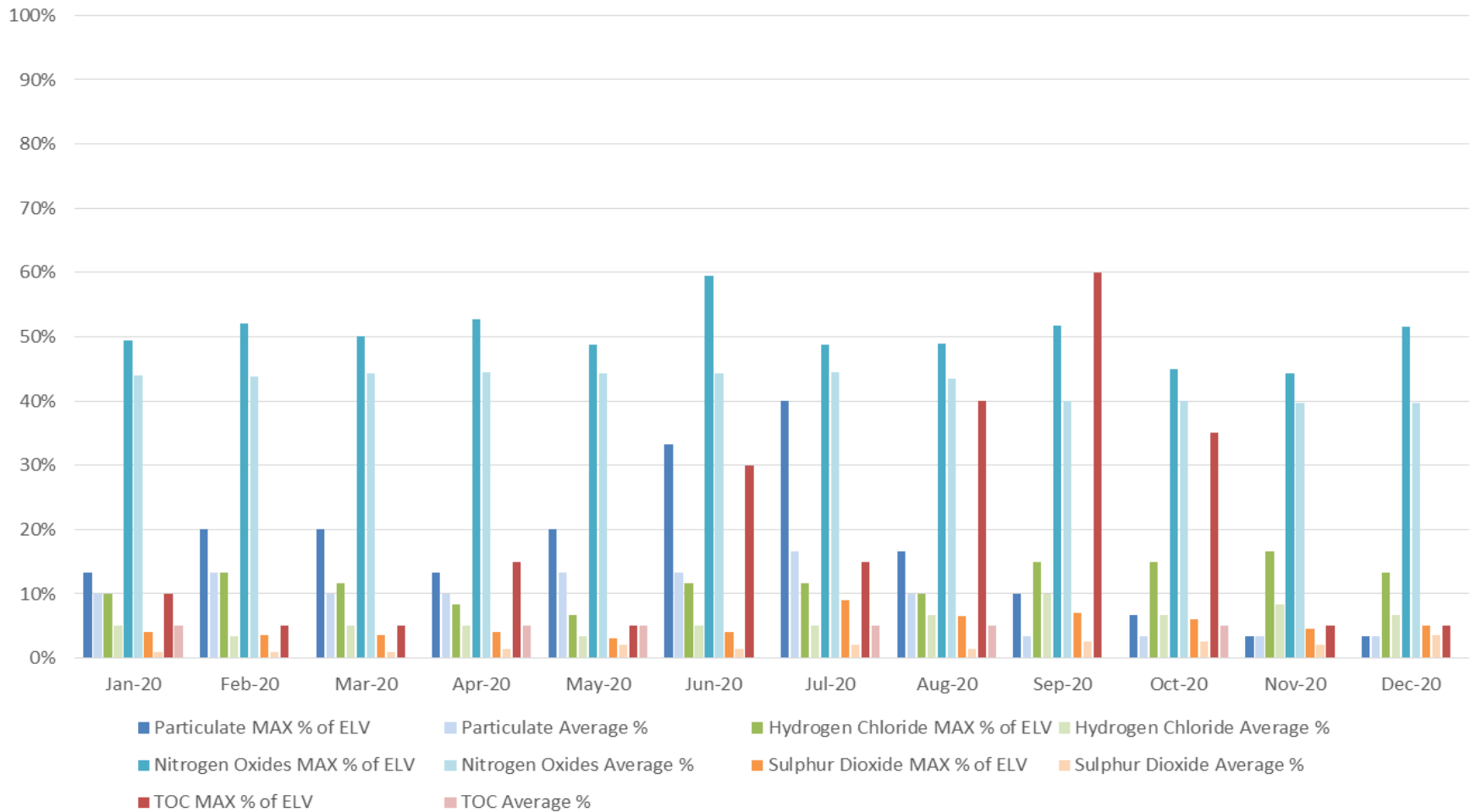


Emissions

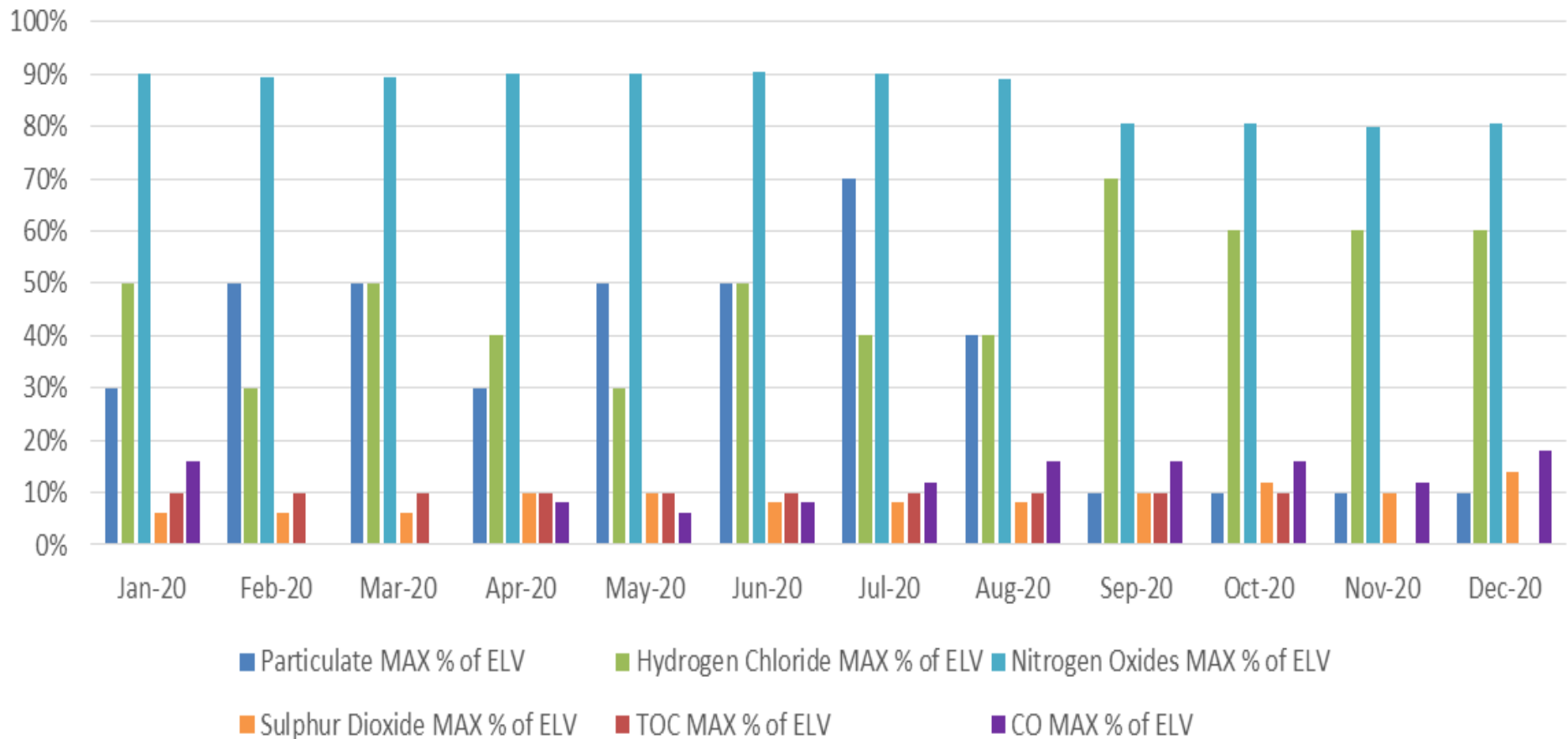
CONTINUOUS MONITORING



Half Hour as a percentage of the ELV



Max Daily as a percentage of the ELV

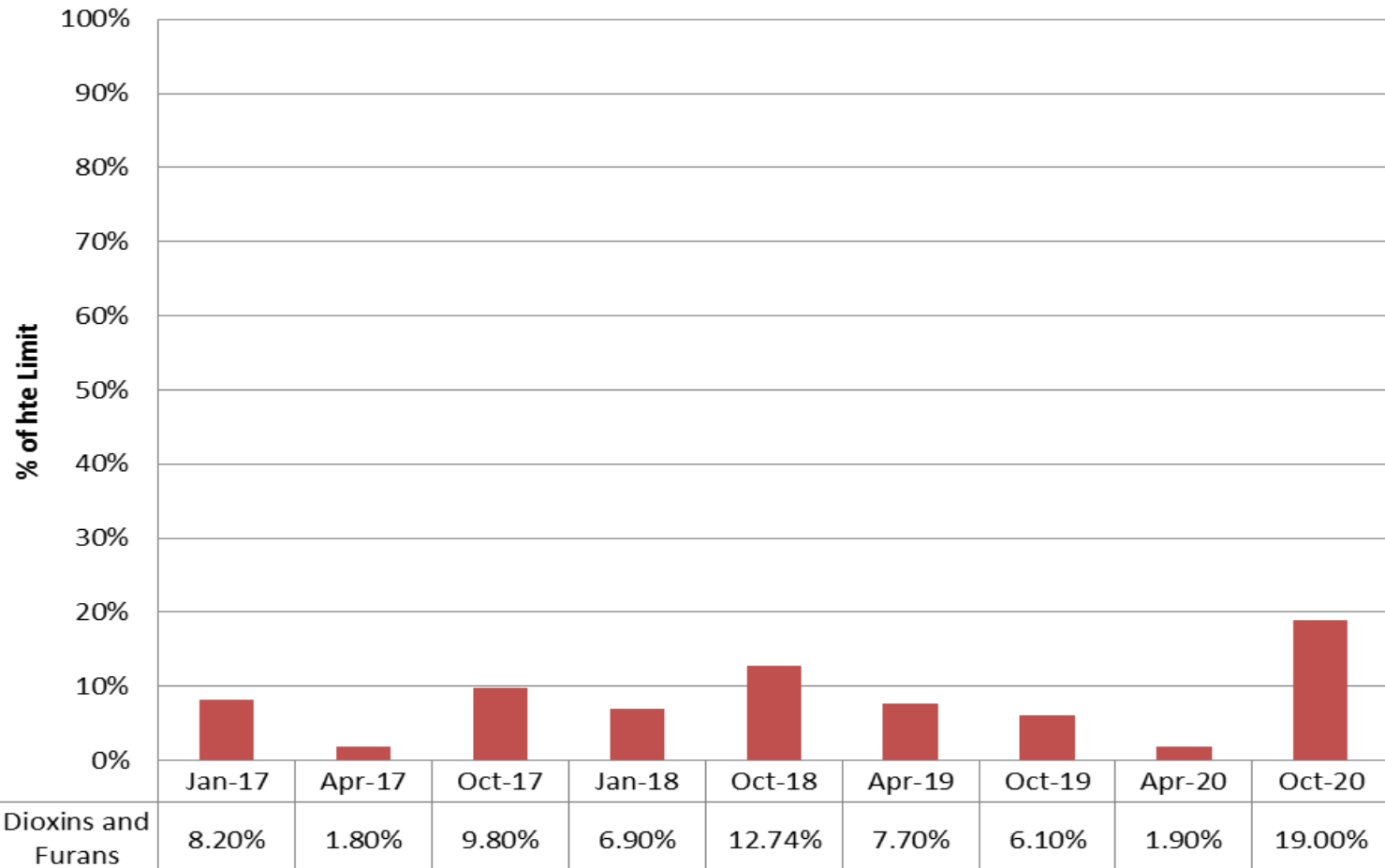


Emissions

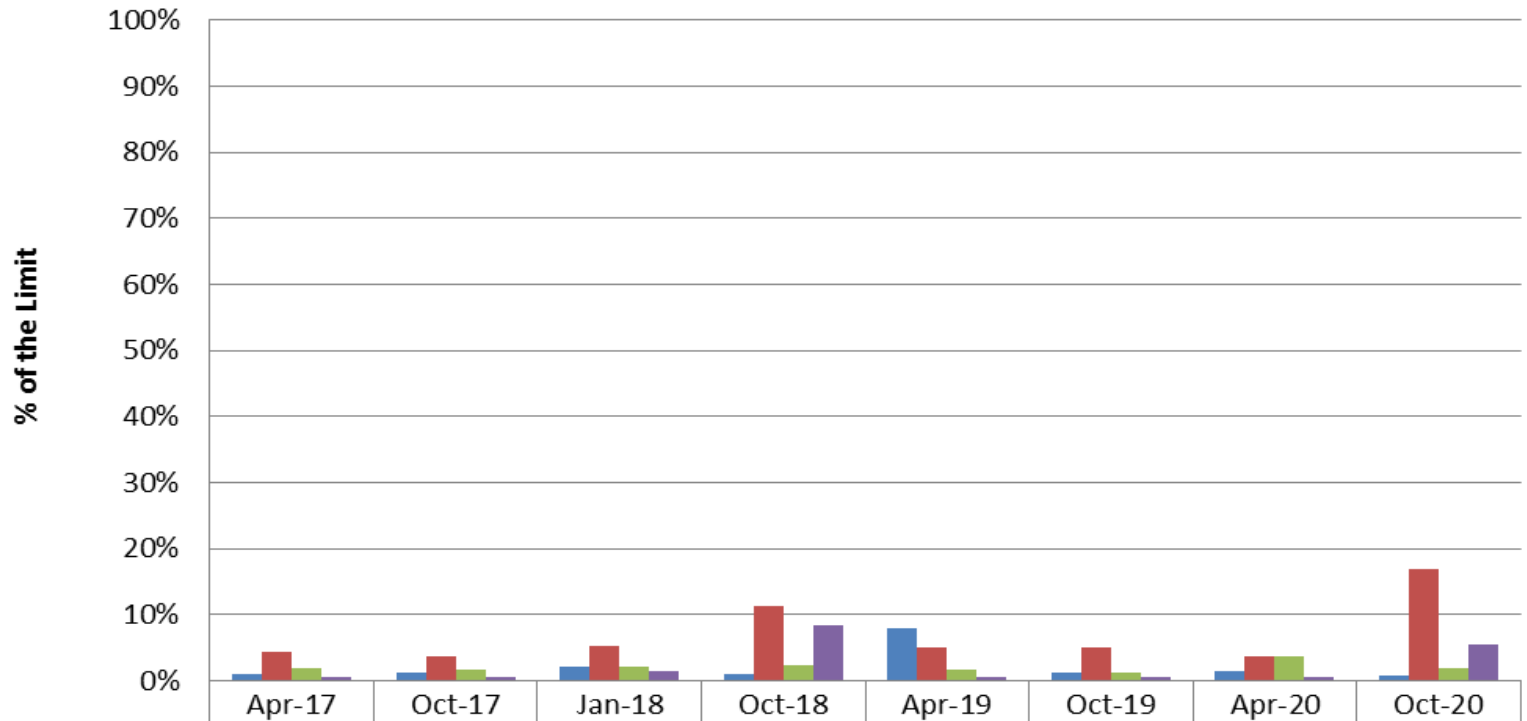
PERIODIC MONITORING (BI-ANNUAL)



Greatmoor Dioxins & furans 2018-2020, Emissions as a % of the Limit



Greatmoor 2018-2020, Emissions as a % of the Limit



Summary

- No issues, site 100% compliant
- All periodic stack testing carried out in 2020, 100% compliant

Jez Elkin Visitors Centre



What's Happening Now?

On-Line Outreach

6 sessions delivered

4 scheduled now til March

4 scheduled May to July



Live Data

9:45 | 23rd Dec 2020



100°C 10 bcr

400°C 40 bar

CEMS Data

Live Data					
CO	NO _x	HCl	SO _x	Dust	TOC
35	50	38	6	52	35

Percentage Of Half Hour Limit					
CO	NO _x	HCl	SO _x	Dust	TOC
22%	00%	60%	00%	30%	20%

Stack



Greatmoor
Energy From Waste

1100°C

Hot

Gas



1000°C

40.0 Tonnes
per hr

1000 Tonnes

Bunker

123°C

50 bar

75°C

5.2 bar

Turbine

4800 rpm

Generator

25.0 MW

Parasiti
Load

1.2 MW

Condenser

123°C

Bag House Filter



11

Energy From Waste

All figures are for illustration purposes only

