



Rookery South ERF Community Liaison Panel

14th October 2019

AGENDA

1. Apologies for absence/resignations etc. (RT)
2. Adoption of notes from meeting 11 (all) 5 mins
3. Matters arising (all) 10 mins
4. Outstanding questions and answers (Judith Harper) 10 mins
5. Questions and answers from site visits (Judith Harper) 15 mins
6. Questions to and answers from E.A. (Emma D'Avilar) 20 mins
7. Rookery newsletter next edition (David Spencer) 5 mins
8. Construction update (Jack Stitt) 20 mins
 - **Questions** 5 mins
9. Monitoring of the DCO (Roy Romans) 10 mins
 - **Questions** 5 mins
10. Employment plan (Judith Harper) 5 mins
11. **Questions** 2 mins
12. Items for the next agenda (All)
13. Time, date, venue of the next CLP meeting – **Monday 20th January 2020?**

Matters Arising:

Application for Temporary Extension of Working Hours

- Construction working hours limited to 0700 to 1900hours weekdays and 1300 hours on Saturdays
- Request to extend hours 24/7 from September 2019 to 20th December 1019
 - Not continuous – potentially 2-3 days per week, when required for specific activities:
 - i. Power floating slabs – slab laying is a continuous process; power floating required immediately following concrete pour to enable correct quality of finish.
 - ii. Steel Erection – use of cranes required; extended hours may be required following high winds for safety reasons.
 - iii. Construction of concrete cores – adjacent to admin building; use of cranes required; reliant on low wind conditions; extended hours required following high winds for safety reasons.
- Continuous noise monitoring
- Review of previous works → no breaches of the DCO Requirement 17; data records submitted to the Council.
- Immediate neighbours to be informed when activities due to take place

4. Outstanding Questions from CLP members

Outstanding from previous meeting

- i. **What is the number of construction trucks per day currently (July 2019) arriving/departing the site (and expected future movements)?**
 - A. 30 HGV's per day on average, except when pouring concrete when this rises to 80
- ii. **Stewartby Water Sports Club wished to know how heavy metals would be prevented from getting into Stewartby Lake**
 - A. Covanta/Environment Agency will respond after the outcome of the Judicial Review is known, as this was a matter raised in the JR.

5. Key Questions from Site Visits (1)

1. Stack design

- The stack comprises three individual chimneys, from each of the three boilers. They are arranged together in a triangular layout so that from any direction you may see 2 (the third being hidden) or what appears to be a single wider stack.
- The stack is 105m tall from the base of the pit (approx. 10m bgl). It has a diameter of 8m and will be a terracotta colour to match the brickworks chimney.
- In comparison the Forest Centre wind turbine is 86m to the top of the pillar with a tip height (i.e. maximum height that the tip of blade reaches) of 120m.

2. Where will the ash go for treatment?

- IBA: specialised treatment facility → metal recovery and aggregate materials for use in the construction industry. TBD but East Midlands likely
- Fly ash: lime rich dust from bag filter system → sealed tankers to a Veolia-operated processing facility to the north of Birmingham. Neutralised to produce non-hazardous cake → landfill.

3. Use of Rail siding for waste transport

- Feasibility of transporting waste by rail done as part of the DCO process.
- To be re-done after 2 years and every 5 years thereafter. Currently in progress. CVA to report to the CLP in the New Year.

Questions from Site Visits (2)

4. Footpaths

- Footpaths will be replaced following construction.
- Permissive footpaths will be converted to Rights of Way.
- Some existing Rights of Way footpaths will be upgraded to cycleways.
- Final details are to be agreed with the local authority.

6. Questions to Environment Agency

1. Please help the CLP to better understand the permit; its remit and enforcement. Can this be "presented" in easy language so they can understand better and ask better questions?
 - **Response provided**
2. It was noted the Agency had not attended the last two meetings. Is this because Agency staff are on a work-to-rule, which does not bode well if there was an emergency?
 - **Response provided**
3. Please explain the recent publicity that claims that "The emissions limits set under the Environmental Permit can be exceeded for up to 4 continuous hours".
 - **Response provided**
4. Please confirm that emissions from the stack will not contain Nitrogen Oxides, Carbon Dioxide, Heavy Metals and Particles PM10, PM2.5 down to PM0.01.
 - **Response provided**

Questions to Environment Agency (2)

5. Stewartby Water Sports Club wished to know how heavy metals would be prevented from getting into Stewartby Lake
 - **Response provided**

6. As the EA have looked into Covanta and its partner Veolia to ensure they were fit to operate the facility, would it now look into the new third partner (Green Investment Bank) which has become a major shareholder. What was the level of scrutiny and would it be made public?
UK Directors have levels of responsibility by law so shouldn't the EA look into the Green Investment Bank?
 - **Response provided**

7. Rookery South Newsletter (David Spencer)

ROOKERY SOUTH NEWS

Autumn 2019

Construction Underway on the Rookery South Energy Recovery Facility



An aerial view of the construction site (September 2019)

Construction is well underway on the Rookery South Energy Recovery Facility. This important infrastructure project will divert non-recyclable waste that, at present, is sent to landfill sites or exported for treatment at European energy-from-waste plants.

The developers of the project, Covanta, the Green Investment Group and Vedica—have partnered with a world-leading energy-from-waste specialist, Hitachi Zosen Inova (HZI), to build the facility. For many decades, HZI has established itself as one of the most experienced providers of state-of-the-art thermal waste treatment facilities and has now built some 600 projects around the world.

Unlocking Local Supply Chain Opportunities



Since March, HZI has already confirmed supply chain work with a number of local firms, including concrete and asphalt from an Elstow-based provider, site welfare and accommodation facilities from a Luton-based firm and even site signage from a business based in Bedford. By August the Rookery South project had over 100 workers on site. During the peak construction period this number will rise to over 300 construction operatives.

Covanta has engaged a local firm of safety specialists providing on-site training services. The project has also hired a Bedfordshire-based firm which will capture drone and time-lapse footage over the entire build phase.

With a project construction phase spanning 36 months, the Rookery South Energy Recovery Facility will have numerous contracting and supply chain opportunities. On Thursday, the 24th of October 2019, HZI, working in partnership with the Bedfordshire Chamber of Commerce, will host a dedicated 'Meet the Buyer' event at the Rufus Centre in Flitwick to find local suppliers of more goods and services.

Further details on the meet the buyer event, supply chain opportunities and how to book to meet with HZI's procurement team are available on www.hz-inova.com/rookerybuyer and additional information will be advertised in a range of newspapers across Bedfordshire.

Meet the Project Team



(l-r) Nathan Williams (Covanta Health & Safety Manager),
Laura Collieran (HZI Health & Safety Manager),
Chris Barbour (HZI Site Manager) and
Jack Stitt (Covanta Deputy Project Manager)

All staff working on the construction site aim to minimise disruption for near neighbours, local communities and road users. The experienced team recognises the importance of meeting with neighbours to update on progress, answer any questions and address any concerns people may have – no matter how large or small an issue may be.

Should you have any project-related questions, please contact the Rookery South team by calling 01252 302 214 (Monday to Friday 9am - 5pm, with an out-of-hours answer phone service) or email rookery-project@hz-inova.com.











For further information or to contact us,
visit: rookerysouth.co.uk

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8. Construction Update – October 2019

- Construction progressing on schedule
 - Waste bunker construction is complete
 - Structural steel installation is underway
 - Piling is completed in all areas
 - Underground services (drainage, utilities) are nearing completion
 - UKPN grid connection progressing well along Green Lane
 - Anglian Water main works progressing well, now working in Stewartby
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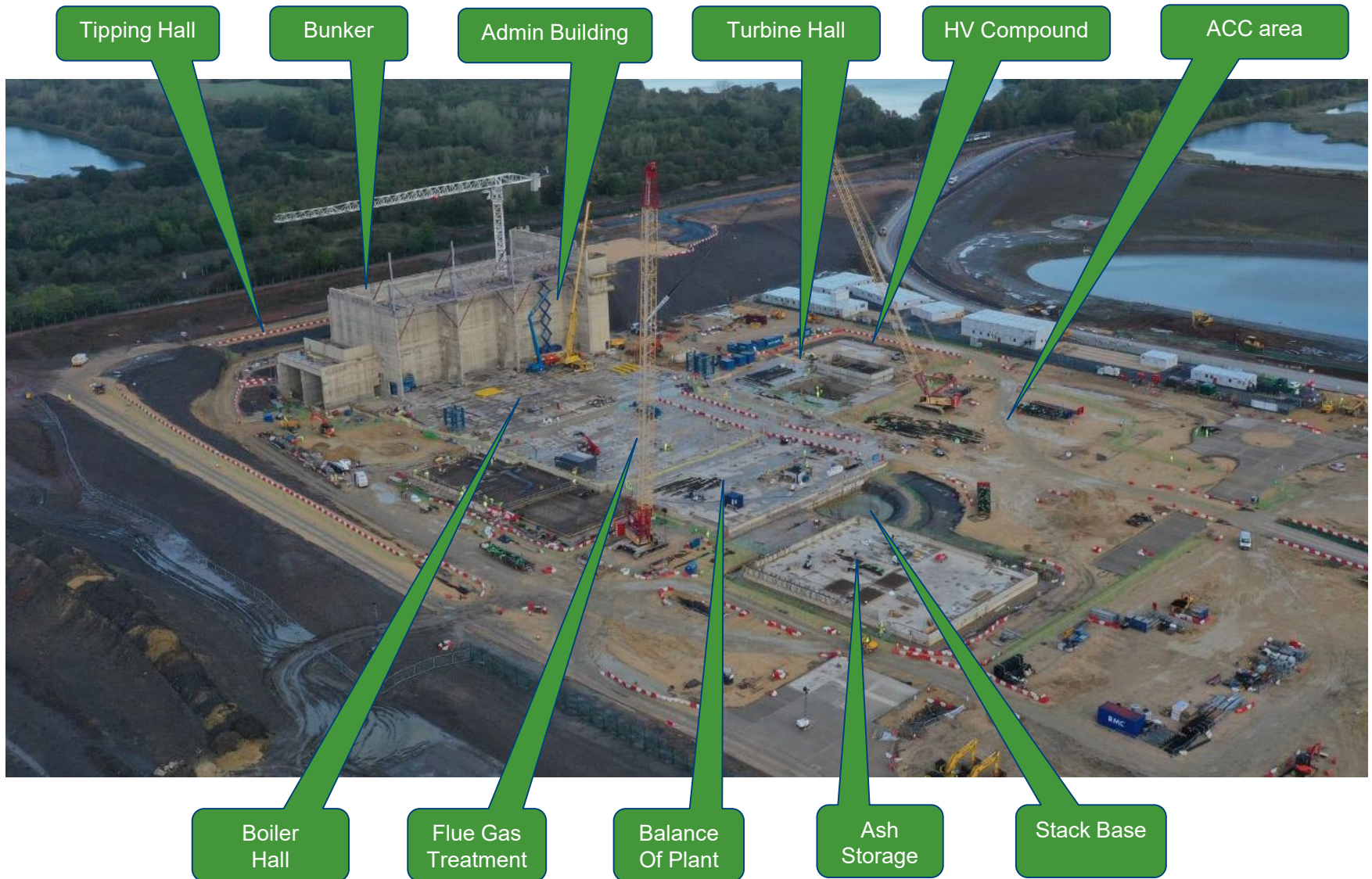
Project Programme

Activity	2018	2019	2020	2021	2022
Works Commencement NTP March 2019					
Access Road & Green Lane Junction					
Civil Construction (incl. piling)					
M&E Installation					
Boiler Testing					
Cold Commissioning (Power on Oct 2020)					
Hot Commissioning (First waste fire May 2021)					
Testing & Full Operation					

Construction – 3 month lookahead

- Structural Steel erection
 - Concrete slabs continue to turbine hall and substation
 - Fire main installation
 - Begin installing building cladding
 - Weighbridge installation
 - Feed hopper installation
 - Start of mechanical erection
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Rookery South ERF – Aerial Photograph





Waste Bunker

Slipform concrete complete

Structural Steelwork erection started

Admin Building/Tipping Hall

- Concrete cores 1 and 2 progressing (admin)
- Piling works on tipping hall complete



Central Area

- Boiler slab concrete pours complete
- Flue gas treatment concrete pours complete
- Balance of plant concrete pours complete
- Turbine concrete works underway



External Areas

- Concrete roads underway
- Ground stabilisation complete
- Batching plant in operation until November
- Underground services (electric ducting and drainage) being installed
- Anglian water complete on site, now undertaking works in Stewartby



Off Site Works

- UKPN grid connection works on Green Lane progressing
- UKPN road works until 28th October 2019
- Anglian Water works progressing
- Anglian Water road works until 1st November 2019

Timelapse Video link:

- <https://rookerysouth.co.uk/Construction-Progress>
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Monitoring of the Rookery Development Consent Order

Minerals and Waste update - verbal

- Roy Romans – Minerals and Waste Team Leader.
- Anita Taylor – Senior Minerals and Waste Planning Officer



Central Bedfordshire Council
and Bedford Borough Council
working together

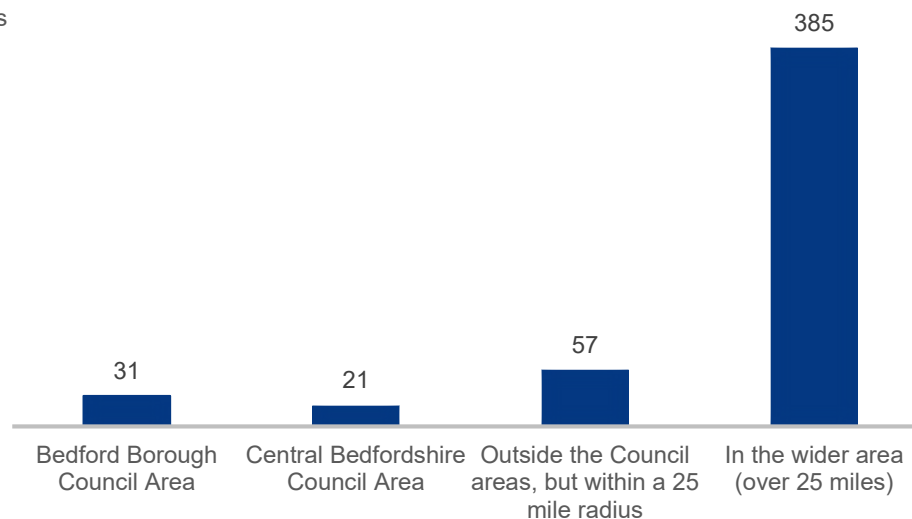
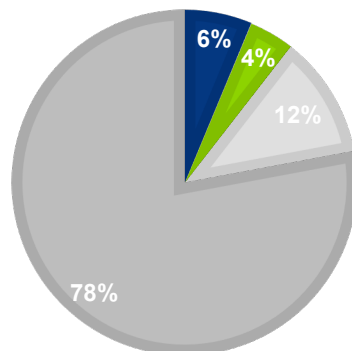
10. Employment plan (Judith Harper)

- Slides provided by HZI

Local Employment Scheme – Employment Data

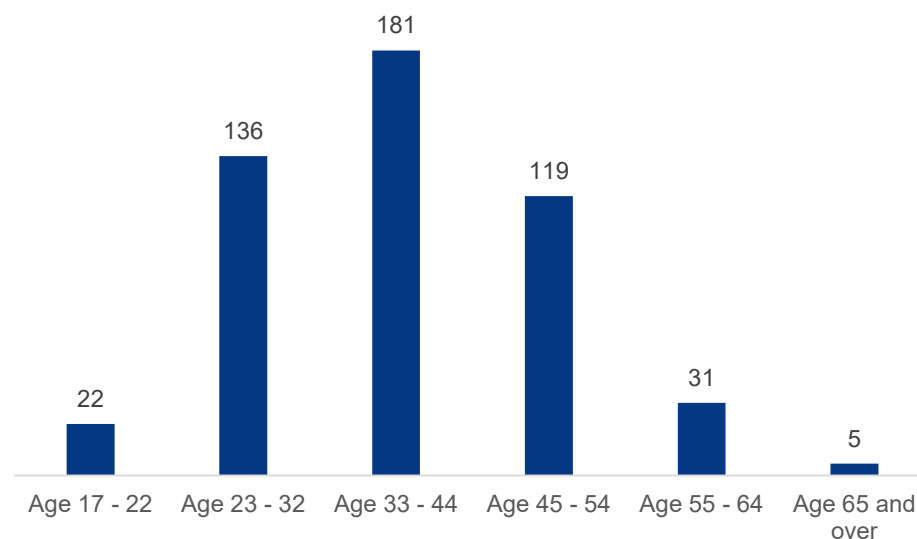
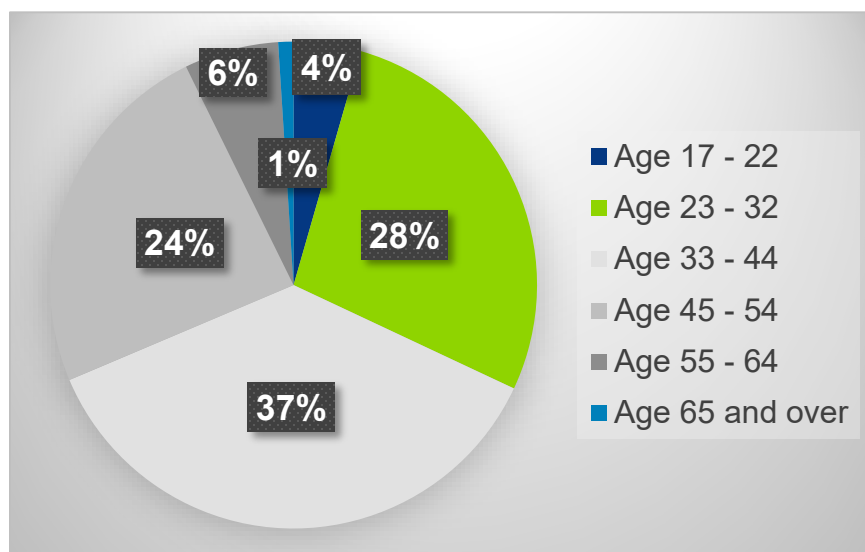
S106 LES Residence of Persons Appointed from January 2018 to September 2019

- Bedford Borough Council Area
- Central Bedfordshire Council Area
- Outside the Council areas, but within a 25 mile radius
- In the wider area (over 25 miles)



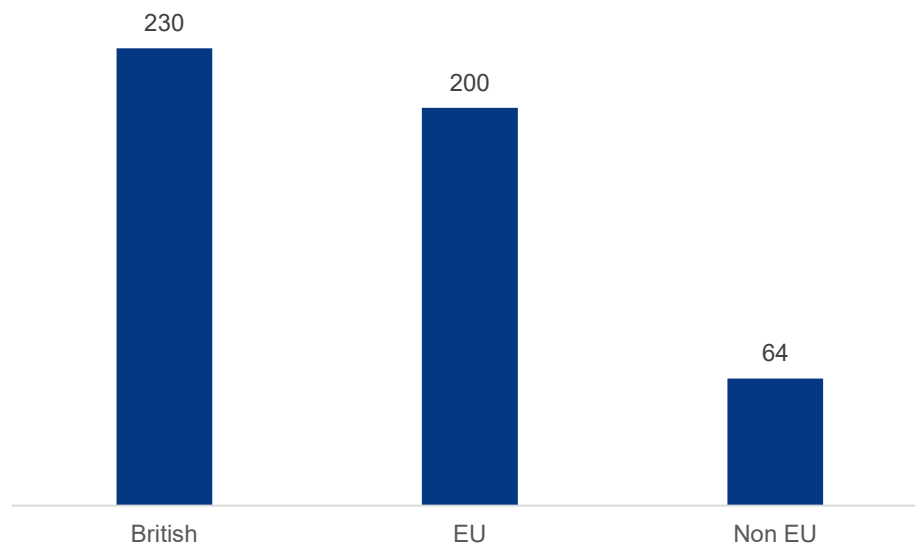
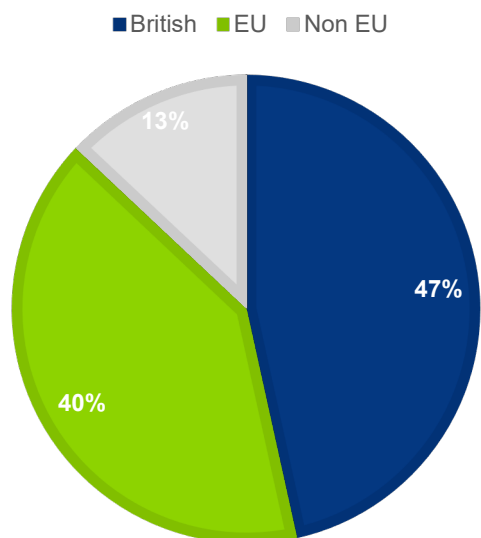
Local Employment Scheme – Employment Data

S106 LES Age of Persons Appointed from January 2018 to September 2019



Local Employment Scheme – Employment Data

| SIO6 LES Origin of Persons Appointed January 2018 to September 2019



Local Employment Scheme – Employment Summary

Summary

JANUARY 2018 to SEPTEMBER 2019	
Number of persons appointed:	494
Age of appointed persons	
Age 17 - 22	22
Age 23 - 32	136
Age 33 - 44	181
Age 45 - 54	119
Age 55 - 64	31
Age 65 and over	5
Origin OF Appointed Persons	
British	230
EU	200
Non EU	64
Residence of appointed persons	
Bedford Borough Council Area	31
Central Bedfordshire Council Area	21
Outside the Council areas, but within a 25 mile radius	57
In the wider area (over 25 miles)	385

Thank You.



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Group



Questions from the CLP to the Environment Agency

From Meetings Spring & Summer 2019

Date	Question	Response
15/07/19 Meeting	1. Please help the CLP to better understand the permit; its remit and enforcement. Can this be presented in easy language so they can understand better and ask better questions?	<p>We have provided information on the permit, and its scope, in the past at this forum and we will continue to do so.</p> <p>We have started to introduce what enforcement tools can be used to ensure regulatory compliance.</p> <p>Given the environmental breadth of this permit we suggest we focus on specific areas of permit and its enforcement.</p> <p>The operator is now in the 'build-phase' so the focus will be on issues relating to ensuring permit compliance for the commissioning period. Which is due to start in late 2021</p> <p>Going forward our role in these meetings is to provide an overview of our compliance assessments to the forum. When the site becomes fully operational then we will be able to share the assessments of permit compliance</p> <p>The CLP meetings are driven by Covanta and the committee members. The EA will not be attending every meeting going forward. However the EA will happily provide a written response to any questions to the forum via the chairman.</p>
	2. It was noted the Agency had not attended the last two meetings. Is this because Agency staff are on a work-to-rule, which does not bode well if there was an emergency?	<p>This was due to illness. We have emergency arrangements in place in the event of industrial action.</p>
	3. Please explain the recent publicity that claims that "The emissions limits set under the Environmental Permit can be exceeded for up to 4 continuous hours".	<p>The Industrial Emissions Directive does allow gaseous emissions to be exceeded up to 4 hours interrupted duration in any one instance. These periods are considered as abnormal but recognises that during start-up and shut-down emissions are higher than in normal, steady-state, operations and that the overall environmental emissions during this period will be less than that of a partial shut-down and restart.</p> <p>If the problem cannot be expected to be fixed within the fours then the operator has to cease feeding the waste and shut down.</p>

Date	Question	Response
		<p>The cumulative number of hours in any one calendar year is limited to 60 hours.</p> <p>The Environment Agency has assessed the worst case scenario for this proposal during these abnormal periods and have agreed that the IED requirements are an acceptable minimum. The operator must record, and inform, the Environment Agency of periods of abnormal operation.</p>
	<p>4. Please confirm that emissions from the stack will not contain Nitrogen Oxides, Carbon Dioxide, Heavy Metals and Particles PM10, PM2.5 down to PM0.01.</p>	<p>The stack will release all these substances. The permit requires the operator to control the releases to acceptable levels by process control by way of abatement techniques and site-specific operational procedures.</p> <p>When we assessed the performance of the proposal before issuing a permit we reviewed the operators' air impact assessment, and dispersion modelling. Where substances did not screen out as insignificant, we have required best available techniques to be used to control emissions to acceptable emission limit values. Compliance inspections will confirm that these are monitored and controlled to the standards outlined in the permit.</p> <p>Carbon Dioxide, although a significant greenhouse gas, differs from other pollutants in that there is no localised environmental impact from its release. The displacement of fossil fuel electricity generation is considered a net positive impact on the global environment.</p> <p>Nitrogen Dioxide will be controlled by use of Low NOx burners, optimisation of primary and secondary air injection, and the use of selective non-catalytic reduction (SNCR) using ammonia as a dosing reagent.</p> <p>The solid Particulate Matter, and associated heavy metals, will be controlled by the use fabric bag filters.</p> <p>The heavy metal Mercury will be controlled through activated carbon dosing as it will be present in the vapour phase.</p>
	<p>5. Stewartby Water Sports Club wished to know how heavy metals would be prevented from getting into Stewartby Lake.</p>	<p>There are no direct linkages to the Rookery Pit drainage system. Only emissions that are uncontaminated will be allowed to be released to the run-off attenuation pond. The operator will have to agree operational procedures with the Environment Agency before any releases to controlled water will be allowed. We will be able to discuss this further once proposals are made but we expect any procedures to include a sampling and monitoring regime which has 'lock-off' fail-safe arrangements to prevent any accidental discharge.</p>

Date	Question	Response
29/04/19 Meeting	<p>6. As the EA have looked into Covanta and its partner Veolia to ensure they were fit to operate the facility would it now look into the new third partner (Green Investment Group) which has become a major shareholder. What was the level of scrutiny and would it be made public?</p> <p>UK Directors have levels of responsibility by law so shouldn't the EA look into the Green Investment Group.</p>	<p>The permit has been issued to Covanta Energy Limited (CEL). We have been satisfied that this operator will have control over the operation of the installation and will be able to operate the installation so as to comply with the conditions of the permit.</p> <p>We have no reason to believe that CEL is not financially viable and, in any case, they are unlikely to commence activities unless they are able to discharge the pre-operational conditions.</p> <p>An inspection of the Company governance structure will be completed as part of the assessment of pre-operational condition 1 which focuses on its environmental management system (EMS).</p>