

**Beddington Energy Recovery Facility  
Community Liaison Group meeting minutes**

**Thursday 11<sup>th</sup> April 2019 18:00**

**Attendees:**

Dennis Philpott – Beddington North Neighbourhood Forum  
 Sandy Goodwin – Beddington North Neighbourhood Forum  
 Janet Emberson – Friends of Beddington Park  
 Cllr Tim Foster – London Borough of Sutton  
 Rosemary Ricketts – Environment Agency  
 Davide Pascarella – London Borough of Sutton  
 John Haynes – South London Waste Partnership  
 Mike Stafford – Viridor, Chair  
 Garry Wolfe – Viridor  
 Dave Carlton – Viridor  
 Brett McGuin – Viridor  
 Sarah Ling – Viridor  
 Andrew Turner – Madano, supporting Viridor

Item		Action
<b>1.0</b>	<b>Introduction and Apologies</b>	
<b>1.1</b>  <b>1.2</b>	<p>Mike Stafford welcomed members to the meeting and confirmed that there were a number of apologies shared ahead of the meeting:</p> <ul style="list-style-type: none"> <li>• Cllr Ben Andrew (London Borough of Sutton)</li> <li>• Tom Brake MP (Carshalton and Wallington)</li> <li>• Louise McGoochan (Environment Agency)</li> <li>• Daniel Doris (Sutton Decentralised Energy Network)</li> <li>• Warrick Jopling (Eneteq on behalf Sutton Decentralised Energy Network)</li> </ul> <p>Andrew Turner asked if all members present had received a copy of the minutes of the last meeting. All members confirmed that they had received copies. Hard copies were also available at the meeting. It was agreed that the minutes were representative and signed off. Andrew took an action to upload a copy to the Viridor website.</p>	<b>AT</b>
<b>2.0</b>	<b>Operations report</b>	
<b>2.1</b>	<p><b>Eneteq update</b></p> <p>In the absence of Warrick Jopling, of Eneteq, Andrew delivered a short update of the SDEN pipeline work. Andrew reminded members of the CLG that the Sutton Decentralised Energy Network project involved deploying a highly insulated pipeline across the Beddington Farmlands that will deliver heat to the New Mill Quarter, a 725 home mixed use development in Hackbridge.</p> <p>Eneteq have been excavating and installing the pipeline across the Farmlands and have closed the permissive footpath to safely complete this work. The Eneteq team were now working closest to Hackbridge station and deploying the final stretch of pipeline.</p>	

<p>2.2</p>	<p>Viridor had been working with Eneteq to communicate the closure of the footpath and had agreed to ensure the pathway remained open over the Easter Weekend and the new commencement date for the permissive footpath closure from Tuesday 23<sup>rd</sup> April.</p> <p>The works were planned to occur over a c. 4- 6 weeks weather permitting. Pete Walker confirmed that his team were supporting the Eneteq team to remediate the condition of the permissive footpath to at least an equivalent standard to before the works.</p> <p>The permissive footpath would be repaired following heavy machinery moving along the footpath and tree planting would commence. Andrew confirmed that if any members of the community liaison group had any questions about the SDEN project, Daniel Doris, project manager at Opportunity Sutton could be contacted on <a href="mailto:Daniel.doris@sutton.gov.uk">Daniel.doris@sutton.gov.uk</a>.</p> <p><b>Landfill update</b></p> <p>Pete Walker delivered an update of work taking place across the Farmlands site. Confirming that restoration work was taking place across large sections of the site in accordance with the Restoration Management Plan. The ERF was currently undergoing a planned maintenance outage and the landfill site was temporarily receiving waste to support the South London Waste Partnership. It was noted that the CLG were informed this would happen at the last meeting.</p> <p>Pete explained that contractors were progressing the northern section of the wet grassland habitat with shaping of islets (small islands) and gullies taking place following the excavation of the habitat area. In the coming months planting and seeding works would take place to support the habitat establishment.</p> <p>Further edge habitat maintenance has taken place since the last meeting around the southern lakes and Pete had been working with a specialist contractor to fabricate the first three bird hides that were due to be placed near to the permissive footpath.</p> <p>Viridor had consulted with the Conservation and Access Management Committee on the design of the bird hides, following a review of similar installations at nature reserves across the UK. Pete confirmed that Viridor recognises the importance of the Beddington Farmlands within the local community and the appetite to access the site. Viridor submitted a planning variation to relocate the bird hides closer to the permissive footpath and the hides will be accessible from the path when it reopens in the coming months.</p> <p>The landfill team were starting to cap the areas that have been landfilled most recently. This is a process where layers of clay are placed on top of the engineered plastic capping to seal the waste into the site. Once this is complete habitats can be created on the surface in accordance with the Restoration Management Plan.</p> <p>Pete continued to confirm that the exterior fencing work was progressing along the permissive footpath and c. 800 trees had been planted from Beddington Park down to Hackbridge where the SDEN pipeline has been laid and across the Farmlands.</p> <p>To support the acceleration of public access a series of field structures were starting to be created with fence lines and hedgerows to enclose landfill infrastructure and create walking corridors across the meadowland. Once these</p>	
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<p>3.3</p>	<p>habitats and hedgerows start to mature Viridor can start to open up this area to the community.</p> <p>Pete updated the members that work on the cycleway connecting the Farmlands with the Beddington Park continues with the route being established and shortly will be marked with a fence line.</p> <p>Andrew confirmed that Viridor will host an open day in June to welcome the community to learn more about the site and progress being made.</p> <p>Andrew shared news that Viridor had consulted with the stakeholders sitting on the Conservation Science Group around the content for the interpretation panels in the ERF education centre.</p> <p>There was a discussion around the progress being made at the Farmlands. Andrew confirmed in response to a question regarding delays to the progress that Viridor remained confident that the Restoration Management Plan would be delivered in the timelines permitted. The Conservation and Access Management Committee were due to meet again to hold its Annual General Meeting and Cllr Foster confirmed he intended to form part of the Committee to oversee and advise around the restoration progress.</p> <p><b>ERF update</b></p> <p>Garry Wolfe and Dave Carlton delivered the ERF progress update confirming that the ERF was now in the final commissioning phase, there were a number of areas of cladding to be completed on the northern face of the ERF that may be visible from Beddington Lane. Garry confirmed that cladding work had been delayed due to recent windy weather.</p> <p>Dave explained that the ERF was currently in a planned operational shutdown period, this was a regular occurrence that enabled the ERF to be inspected to ensure all processing equipment was fully functional and operating below stringent emissions levels. This resulted in additional specialist contractors being onsite and waste from the South London Waste Partnership being delivered to the landfill for the c. 3 week period.</p> <p>It was confirmed that one of the processing lines was not operational since the beginning of April and was expected to return to operation in the coming days. There was a discussion around how long a maintenance outage typically lasts for. Dave responded that each outage was planned to inspect and conduct work relating to the requirements of the facility. The ERF has two processing lines and the outage is planned to inspect each line separately to ensure ongoing processing ability at the ERF.</p> <p>A powerpoint presentation was used to indicate the areas being inspected and there was a discussion around how clean the facility would remain when it was fully operational.</p> <p>Dave confirmed that one of the main areas of focus for the facility was finishing the administration building to the north of the ERF. This building hosts the offices, welfare facilities and education centre. This included bringing specialist contractors onto site to accelerate the work programme. Images were shown of the brown roof that had been planted with a species mix of wildflowers.</p> <p>The administration building required further flooring to be installed along with a permanent power supply. Garry updated the group that the lights were due to</p>	
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be fitted in the next couple of weeks. As part of the building design to maximise environmental efficiency the building has a rain water harvesting system. Garry explained that this collects rain water in a below ground tank and fed back to the toilet systems, helping the ERF to save water.

Images were shown of the landscaping around the ERF and Garry confirmed that Viridor continued to meet with the London Borough of Sutton biodiversity officer every 5-6 weeks to review progress and advise on elements of the landscaping works. The warden's office was indicated and Viridor confirmed that the warden's position was currently being advertised by the London Borough of Sutton. It was noted that this was a very important position to support the creation of the Farmlands.

The Virtual Visitor Centre was introduced to the panel. Andrew confirmed that this was available on the internet, through [www.beddingtonerf.info](http://www.beddingtonerf.info), it was shown on the projector at the meeting. Andrew explained that currently there were placeholder pictures of the ERF, but Viridor planned to replace these with videos of the Beddington ERF when the facility was completed.

Brett McGuin the Environment, Health and Safety (EHS) manager for the ERF explained that Viridor posted emissions monitoring reports on to the Virtual Visitor Centre twice a month. There was a discussion around what information was shared and Brett confirmed that this was information directly downloaded and verified from the ERF's continuous emissions monitoring system for each processing line.

Brett shared hard copies of the explanation note and a copy of the latest emissions report and walked the group through how to interpret a report. Brett explained that the technical information would be uploaded with a short narrative summarising the key information. Members of the community could contact Brett regarding any of the information by emailing [BeddingtonERF@viridor.co.uk](mailto:BeddingtonERF@viridor.co.uk).

Brett explained emissions from the Beddington ERF are monitored 7 days a week, 365 days a year. Samples are taken from the gases in each of the flue stacks (there are two at the Beddington ERF). The results are fed back to the ERF control room, so any potential issues are known about immediately and appropriate action can be taken to maintain compliant operations.

The emissions from the Beddington ERF are closely monitored by the Environment Agency, who set strict limits (based on half hourly and daily averages) for different types of emissions these have been set and assessed to demonstrate no significant impact on the environment or human health (see below).

If any of these limits are not met, then Viridor must inform the Environment Agency within 24 hours. The Beddington ERF has been designed to operate at the very highest international standards and under normal operating conditions, emissions are well below the limits set by the Environment Agency.

Brett continued to state that the following emissions are monitored on a continuous basis at the Beddington ERF:

- Hydrogen Chloride-At room temperature, hydrogen chloride exists as either a colourless or slightly yellow acidic gas. The main source of Hydrogen Chloride is old coal burning power stations.
- Carbon Monoxide-Carbon monoxide is formed from incomplete combustion of carbon-containing fuels. The largest source is from road

	<p>transport; older vehicles which do not have catalytic convertors produce significant amounts with newer cars producing very little.</p> <ul style="list-style-type: none"> <li>• Sulphur Dioxide-UK emissions are dominated by combustion of fuels containing sulphur, such as coal and heavy oils by power stations and refineries. In some parts of the UK, notably Northern Ireland, coal for domestic use is a significant source.</li> <li>• Oxides of Nitrogen-All combustion processes in air produce oxides of nitrogen (NOx). Nitrogen dioxide (NO<sub>2</sub>) and nitric oxide (NO) are both oxides of nitrogen and together are referred to as NOx. Road transport is the main source, but this can also be formed in lightning storms and from natural breakdown processes in soil and water.</li> <li>• Total Organic Carbon-Total Organic Carbon is part of a group of liquids and gases often called volatile organic compounds (VOCs). Many industrial processes emit VOCs including printing, surface coating and painting, however, households and road transport also contribute a substantial fraction.</li> <li>• Dust (Particulates)-Particulate Matter is generally categorised on the basis of the size of the particles. It is made up of a wide range of materials and can arise from a variety of sources. Particulate matter derives from both human-made and natural sources, such as sea spray, Saharan dust and volcanic eruptions. In the UK one of the biggest human-made sources of particulate matter is transport.</li> <li>• Ammonia—Ammonia or ammonia-containing compounds are added in controlled amounts to the combustion process to reduce the quantity of oxides of nitrogen present. Ammonia reacts with oxides of nitrogen formed during high-temperature combustion to produce nitrogen gas and water. The main source of ammonia emissions in the UK is agriculture. Under the environmental permit there is no 30-minute emission limit value (ELV) for ammonia but we have recorded the averages on the graphs each month. This indicates our performance against our daily ELV limit. The guidance below outlines how to read the reports</li> </ul> <p>On the graphs the data is plotted for each day of the month. To remain compliant with the environmental permit, the solid red line (the average 30-minute emissions levels for the ERF) should not go above the lower blue solid line, and the red boxes (the maximum 30-minute average for the ERF) should not go above the higher green solid line. The daily averages sit behind the red 30-minute averages, which is why they may not appear on the screen. The second chart above indicates where you can find the summary report stating the number of exceedances in the report period—in this case none.</p> <p>Brett explained that the emissions are monitored in a 30 minute and daily average. The Virtual Visitor Centre will have one report added half way through the month, for example April part one. Then at the end of the month, Brett would write a small conclusion of the whole month and update. It is likely by the end of the year, the months will be combined to make a yearly report for organisational reasons.</p> <p>The group were made aware there was no data for the start of April due to the outage period. In the report reviewed by the community it was noted that there were high levels of carbon monoxide on the report. It was explained that Viridor and its construction partners were optimising elements of the ERF and part of this included the combustion grate. The manufacturers attended site to optimise the air being fed into the grate to ensure full amount of oxygen in the combustion</p>	
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	<p>processes which will improve the efficiency and decrease the nitrous oxides and other gases such as carbon monoxide.</p> <p>Brett explained that if this had occurred after the commissioning phase had finished this would have represented an emissions exceedance. However during this phase the plant continues to be optimised and the regulators are aware of this activity.</p> <p>Questions were raised on the independent auditor of emissions monitoring. Brett confirmed that Viridor conduct annual and quarterly tests of the equipment with the Environmental Agency. All equipment is accredited and tested to confirm it is working correctly. Louise McGoochan the Environment Agency officer for the facility attended the last review of this equipment and this was reported at the CLG meeting.</p> <p>The panel were asked if anyone in the community had been disturbed by the ERF. It was confirmed that no-one had received any complaints through their community network. Andrew confirmed that members could email <a href="mailto:BeddingtonERF@viridor.co.uk">BeddingtonERF@viridor.co.uk</a> at any time to contact the site team, or call Viridor's 24 hour contact line 0800 975 3029.</p>	
<b>3.0</b>	<b>Regulatory and Planning matters</b>	
<p><b>3.1</b></p> <p><b>3.2</b></p> <p><b>3.3</b></p> <p><b>3.4</b></p>	<p>Louise McGoochan (Environmental Agency), the officer responsible for the ERF was unable to attend the community liaison group. However confirmed that:</p> <p>She had been maintaining regular contact with the ERF EHS manager who had been updating on progress. Discussions had continued relating to the permit requirements and submissions of emissions data. The Environment Agency have received a copy of the annual report and quarter 4 report for the ERF.</p> <p>Two complaints have been received since the last meeting: one for black smoke and one for plastic odour. Neither of the reports have been substantiated. Louise commented that she planned a visit to site on 26<sup>th</sup> April when will be meeting with Brett and discussing progress with the construction project.</p> <p>Rosemary Ricketts the Environment Agency officer for the landfill site commented that she continued to visit the Beddington landfill site to monitor the capping and landfill activity in accordance with the environmental permit.</p> <p>Davide Pascarella, introduced himself as an Environmental Protection Officer, and commented that the Environmental Protection Officers for south London Boroughs recently met in a cross-borough forum to discuss matters relating to air quality including the Beddington ERF. There was a discussion and it was confirmed that the Environmental Protection Officers would be invited to visit the Beddington ERF once visits were able to be hosted in the education centre.</p> <p>There was a discussion around the most effective way to report an odour or complaint about the ERF. Viridor encouraged members of the community to contact the site directly on <a href="mailto:BeddingtonERF@viridor.co.uk">BeddingtonERF@viridor.co.uk</a> or call 0800 975 3029. So that a member of the team could action an investigation. The Environment Agency could also be contacted on their 24-hour phonenumber 0800 807 060.</p> <p>Viridor have confirmed that whenever a complaint is received by a member of the community or the Environment Agency or a council, a full investigation is conducted along with assessing weather data. A full response is issued to the member of the public and the relevant authority.</p>	<p><b>AT</b></p>

<b>4.0</b>	<b>Community Issues</b>	
4.1	There was a discussion around the communication of news about the ERF. Andrew updated the community liaison group that the final ERF construction newsletter would be issued to residents surrounding the ERF site in the Autumn once the ERF construction project was completed.	
4.2	<p>Sarah Ling updated the community liaison group that she was now the Community Benefit Fund administrator and was responsible for co-ordinating applications. Since the last meeting it was confirmed that the Sutton Community Farm had received funding to support a new barn at the Farm.</p> <p>The community fund has also supported a sports activity project in Croydon, the Kinetic Foundation, with additional sporting equipment including footballs and goals. A £5000 donation was also granted to the Rushy Meadow Academy in Carshalton to re-create a wildlife habitat and pond at the school following a period when the area was not maintained.</p> <p>Sarah encouraged members of the community to be advocates of the Community Benefit Fund within their communities and to encourage any interested members of their communities to contact her for more information on: <a href="mailto:BeddingtonERFCommunityFund@viridor.co.uk">BeddingtonERFCommunityFund@viridor.co.uk</a></p>	ALL
4.3	<p>Andrew updated the community members present that as part of Viridor's commitment to share information about the Beddington Farmlands, a restoration roadmap would be produced to condense the c. 150 page Restoration Management Plan for the site onto one page with graphical timelines. Viridor would also be hosting an open day in June for members of the community to visit and observe the latest progress at the site. Viridor would advertise this through the local paper, social media and the CLG email distribution list.</p> <p>Janet Emberson commented that there was a walking group that frequently walked along the permissive footpath. Andrew confirmed that discussions were ongoing with the leader of the walking group and a communication would be shared regarding the open day.</p>	AT  AT
<b>5.0</b>	<b>Any other business</b>	
5.1	Andrew confirmed that members of the community liaison group had been contacted regarding the changing nature of access to the Beddington Farmlands for the Beddington Farm Bird Group. Viridor had reassessed the risk assessments for this activity noting that many ornithologists access the site over weekends and after operational hours.	
5.2	This presented a potential situation where members of the Bird Group were not able to communicate if they got into difficulty. The Beddington Farm Bird Group have now been invited to receive a safety induction and to sign into, and out of the landfill offices. This enables the Viridor team to ensure that ornithologists receive check-in calls and if members have not signed out at the end of the day and Viridor can check on their welfare. The majority of the Bird Group have received this induction and are comfortable with the new arrangements.	
5.3	There was a discussion within the group about the role the South London Waste Partnership plays in communicating with residents in the borough of Sutton. John Haynes explained that the South London Waste Partnership supports the four Boroughs of the Croydon, Kingston, Merton and Sutton in communicating waste services. Members of each partner borough sit on the Joint Waste Committee representing their borough.	

<p><b>5.4</b></p> <p><b>5.5</b></p>	<p>Cllr Foster mentioned the ongoing debate around heavy goods vehicles travelling through the Beddington village. Mike Stafford confirmed that as part of the Beddington ERF and contract with the South London Waste Partnership vehicles delivering waste to the ERF are not allowed to travel through Beddington Village, unless waste is being collected first. The approved traffic management plan directs vehicles to travel to the ERF along Coomber Way from the south and along Beddington Lane from the north. Viridor has installed ANPR cameras to monitor compliance with this behaviour. Mike encouraged members of the community to contact the site if they felt vehicles were travelling inappropriately to the ERF. By noting the number plate and approximate time.</p> <p>Andrew commented that work was progressing with the education centre at the ERF. The Virtual Visitor Centre had been available to members of the community to visit at <a href="http://www.beddingtonerf.info">www.beddingtonerf.info</a> and over c. 700 people had visited the site to date. Once the education centre was available for visits, the CLG would be invited to be one of the first groups to visit the site.</p>	<p><b>ALL</b></p> <p><b>SL</b></p>
<p><b>6.0</b></p>	<p><b>Date of next meeting</b></p>	
<p><b>6.1</b></p> <p><b>6.2</b></p>	<p>Andrew informed the community liaison group that at a previous meeting it was agreed that the date of the next meetings would be:</p> <ul style="list-style-type: none"> <li>• Thursday 18<sup>th</sup> July 18:00</li> <li>• Thursday 17<sup>th</sup> October 18.00</li> </ul> <p>It was agreed that at the next meeting the future dates of community liaison group meetings would be agreed.</p> <p>The next meeting would take place in the ERF construction offices at the Beddington ERF. Andrew would issue directions to the site in the days before the meeting to highlight if any access routes had altered due to construction activity.</p>	<p><b>AT</b></p>