

Minutes of the Lakeside Liaison Group Meeting Monday 26th August 2011, Lakeside Education Centre

Attendees viewed the new Lakeside DVD and were given copies.

1 Attendees:

Veronique Bensadou (VB)	Grundon
Dan Cooke (DC)	Viridor
Nicholas Hannon (NH)	Waste & Environment SBC
Cllr Peter Hood (PH)	Chair Colnbrook with Poyle PC
Cllr David MacDougald (DMacD)	Colnbrook with Poyle PC
Cllr Wendy Matthews (WM)	Vice Chair Iver PC. District Cllr for Iver & Richings (S Bucks DC). Chair of Residents Association
Peter Montgomery (PM)	Environment Agency
Cllr Alan Oxley (AO)	Chair Iver PC, District Cllr for Iver & Richings Park (S Bucks DC)
Martin Rogers (MR)	Lakeside
Ruth Roll (RR)	Lakeside
Richard Skehens (RMS)	Lakeside/Grundon
Cllr Dexter Smith (DS)	Slough Borough Council
Monica Wilsch (MW)	Environmental Protection SBC

2 Apologies

PC Phil Ashlee	Thames Valley Police
Danny Coulston	GM Lakeside
Cllr Barbara Underhill	Colnbrook with Poyle PC
No reply received.	Hillingdon Environmental Health Dept (Jaspal Wadwha recently deceased)

3 Structure and function of Group

Richard Skehens introduced himself as the MD of Grundon and a Director of Lakeside – with responsibility for Chairing the Liaison Group. His continued position as Chair of the Liaison Group was agreed by attendees.

The group was originally convened to facilitate discussion about all the Grundon Colnbrook facilities as well as Lakeside EfW Ltd, the JV between Grundon and Viridor. Attendees agreed this function should be continued.

Ideally attendees at the meeting should include members from Slough BC and South Bucks DC, representatives from Colnbrook with Poyle and Iver Parish Councils, Officers from Slough and Hillingdon, Environment Agency, Thames Valley Police and Lakeside representatives.

4 Tanhouse (Materials Recovery Facility)

The rebuilt and upgraded Tanhouse Materials Recovery Facility (MRF), was described and meeting attendees were advised group visits could be arranged with advance notice. Some detailed debate took place about the materials collected by SBC, their suitability for recovery for recycling and/or energy from waste, future proposals for batteries, plastic bags, small WEEE waste, green waste and food waste. Further details from Nicholas Hannon, Team Leader Waste and Environment SBC (Nicholas.hannon@slough.gov.uk).

The new MRF has just about been commissioned – at a capacity of 20-25 tonnes/hour and does have spare capacity.

5 CWI (Clinical Waste Incinerator)

Plant has been operating for many years, has been retrofitted and then rebuilt. The steam from the process is now being fed into the EfW plant, rather than just putting it through the CWI air condensers.

6 Air quality monitoring

Air quality monitoring is covered by the Lakeside specific monitors (one in Hillingdon and one in Slough) and the council's general air quality monitors.

On line continuous monitoring is carried out for particulates and seven gases – Volatile Organic Carbons (VOCs), Carbon Monoxide (CO), Sulphur Dioxide (SO₂), Oxides of Nitrogen (expressed as NO₂), Hydrogen Chloride (HCl) and Ammonia (NH₃). The full suite of dioxins were tested quarterly in the first year of operation and on a six monthly basis since. As the levels are so low, sampling takes place for eight hours at a time even to find traces. A continuous dioxin monitoring instrument

has not yet been developed, which is why extractive sampling is carried out. The resulting data is available through the EA.

The air quality monitoring is run by a third party, with direct input of information to Slough and Hillingdon. Annual monitoring reports are produced by Fichtner and are available on request. A copy of the 2010 Fichtner report is attached – the latest survey will be completed during September 2011. The weekly updated emissions data and local air monitoring data can be found on the following links:

<http://www.lakesideefw.co.uk/environmental/emissions.html>.
<http://sloughair.aeat.com/summary.html>.

The impact of local weather conditions on the appearance of the plume was described. It was noted that when condensed water (steam) is coming out of the stack (chimney), there is a gap between the top of the chimney and the bottom of the plume.

7 Lakeside EfW

- official opening by HRH Duke of Edinburgh October 2010. Numerous other visits by professional associations, overseas visitors, local groups etc. Group visits can be arranged by appointment
- the plant is operating to – and above – the predicted standards in terms of technical, financial and operational performance. It is operating better than expected in terms of both waste throughput and power output. 418,787 tonnes of waste have been combusted against a target of 414,454 tonnes of waste. 37.45MW of power was generated and an average of 33.73MW was exported to the National Grid against a target average of 31.58MW. For every tonne of input, 97% is recycled into secondary aggregates, reclaimed as scrap metal or turned into sustainable energy. Only 3% is sent to landfill as air pollution control (APC) residues. Grundon is currently working on a technology solution to recycle a range of materials including APC residues.

For the first five years operation, Lakeside EfW is contracted to produce electricity. However, moving forward, Lakeside is committed to and is already seeking suitable CHP partners for the

heat and hot water (potentially BA, BAA local hotels etc). At Runcorn in Cheshire, Viridor is already constructing a CHP EfW facility, where the output will be used on site by Ineos Chlor.

Questions related to:

- how does the automatic shut down work? In the context of the Waste Incineration Directive, automatic shut down cuts in under both abnormal and standard operating conditions. It will cut in automatically after 4 hours for some parameters (eg temperature or if the operational monitoring equipment is not working). Manual monitoring is also carried out 24/7
- how is waste input evened out over holiday periods and how much waste is diverted to landfill? Over a weekend or B/H period, additional waste input will be sourced from Grundon, Viridor or local transfer stations. After 18 months of operation the planning has improved and this is now not a problem
- when is the next planned shut down and what happens? At the beginning of the September shut down, first Line 1 and then the entire plant will be shut down for 7-10 days. During this period the turbine will also be checked. During the final shut down week, first Line 1 and then Line 2 will be brought back on stream. Temporarily, the waste will be diverted to landfill during planned shut downs but over time it will go to the developing network of EfW plants.

The plant won an award for the bunker – which was one of the biggest and most complicated continuous concrete pours in Europe. It has also won an architectural award and is currently on the short list for two Renewable Energy Infrastructure Awards – for the best designed renewable energy facility and for Energy from Waste facility of the year.

8 Visitor and Education Centre

The Centre is available for third party hire for meetings, conferences, special events etc and marketing brochures were distributed.

Groundwork Thames Valley has put together an effective education programme to local schools which is being proactively marketed. The

education promotion brochure was distributed across local boroughs. The Lakeside education team will shortly be visiting the Viridor Education Centre at Ford, West Sussex to pick up some more practical tips. The objective is to maintain school visits at the rate of two days/week during term time.

9 Colnbrook Partnership (CCP) and other community activities

The structure and function of the Landfill Communities Fund (LCF) was described and ENTRUST eligible projects identified. These are primarily those where value can be added to an existing public amenity – such as the Pippins Park project – and biodiversity projects.

The Grndon LCF funding is administered through Groundwork Thames Valley – Tim Knight/Mike Walton should be the initial contacts to check eligibility of proposed projects. A summary was provided of the local projects funded to date and the level of project funding currently available.

Various suggestions were made as to how to raise proactively the profile of the Lakeside EfW plant and the Education Centre. These included:

- holding an Open Day in 2012 – possibly as part of the Love Where You Live Scheme sponsored by Keep Britain Tidy – or as part of the English Heritage Open Doors Day
- holding Parish Council, CCP and/or Community Forum meetings in the Education Centre
- making the Centre available as part of the Community Forum Annual Fair.

All to be discussed at the next meeting of the Lakeside Communications Group. A working group (including Cllrs Dexter Smith and Peter Hood) to be set up to move forward this type of promotion.

10 AOB

- RMS offered a bag of bulbs to Iver PC as well as Colnbrook PC, which was gratefully accepted
- key messages from meeting for public dissemination:

- EfW plants work more efficiently once the recyclables have been removed from the waste
- 97% of each tonne of input is re-used as energy or recycled
- SBC currently trialling split bins around Colnbrook as part of a service test
- Grondon is trialling APC re-use.

Questions were asked before the meeting about a recent Grondon planning application for a gasification plant at Thorney Park Golf Course. The golf course is built on an old landfill site and at the moment a landfill gas flare burns off the carbon dioxide and methane created by the anaerobic decomposition of the buried waste. The proposed landfill gas engine would be placed within a purpose built, acoustically shielded containerised unit next to the existing flare (north of the farm/storage building on the golf course). Tree and shrub planting would visually screen the compound from both the golf course and the residential properties to the south. The relatively small engine would generate approximately 50 Kilowatts (0.05 Megawatts) of sustainable energy from non fossil fuels and reduce greenhouse gas emissions.

The Lakeside EfW video is publicly available on the following website:-

<http://www.youtube.com/watch?v=brF7GgcVHuk>