

**HILL AND MOOR COMMUNITY LIAISON GROUP**  
**Monday 13 March 2017, 18:00**  
**Hill & Moor, Landfill Site Office**

**Present:**

Worcestershire County Council	Cllr Liz Tucker (Chair) Vincent Connor Andrew Davies Elizabeth Harris
Severn Waste Services	Michael Hornby Ana Gonzalez
Bishampton and Throckmorton Parish Council	Cllr Charles Tucker Malcolm Argyle
Hill and Moor Parish Council	Tony Betteridge
Pinvin Parish Council	Alan Wilson Ken Rowe
Environment Agency	Steve Roberts

<b>Item</b>		<b>Action</b>
<b>1.0</b>	<b>Apologies for absence</b>	
1.1	Apologies were received from Richard Woodward (Worcestershire County Council), Fernando Capelastegui (Severn Waste Services), Nigel Wood (Wyre Piddle Parish Council) and Sarah Dennis (Environment Agency).	
<b>2.0</b>	<b>Minutes from the previous meeting, 14 November 2016</b>	
2.1	The minutes were agreed to be a true and accurate record of the meeting held.	
<b>3.0</b>	<b>Matters arising</b>	
3.1	There were no matters arising raised by Members of the CLG.	
<b>4.0</b>	<b>Severn Waste Services Report</b>	
4.1	A copy of the Severn Waste Services (SWS) Operational Report November 2016 – February 2017 was distributed to the group.  Ana Gonzalez presented the SWS report, advising the following:	
4.2	Landfilling activities continued in Cell 5.3 throughout the reporting period.  It is envisaged that 5.3 will not be completed until late 2018.	

- 4.3 Gas extraction infrastructure was installed across cell 5.2 and sacrificial pipes were installed in cell 5.3.

Steve Roberts explained that sacrificial pipes are installed as soon as methane is detected. They are temporary as further waste deposits will be made within the active cell, hence the pipes are sacrificed and are not part of permanent gas extraction infrastructure.

- 4.4 Capping and restoration of Cell 5.2 will be completed in 2017.

There have been four schedule 6 notifications during the above period:

- 4.5 25 November 2016 – Breach of Suspended Solid in leachate discharge consent. A level of 53 mg/l was detected against the limit of 50 mg/l. A re-sample was taken and sent to the laboratory and the result was 37 mg/l.

- 4.6 21 December 2016 – Electric export cable fault. Generator was on site to allow the flares to run. The fault was fixed on the 23th December 2016 and the engines back to run as usual.

- 4.7 17 February 2017 – Breach of CO2 limit in boreholes BH102, BH107, BH108 & GM2 (monitoring boreholes along northern ditch). Levels of 6.6%, 4.7%, 9.0% and 1.6% was detected against the limit of 6.0%, 3.0%, 4.8% and 1.5% respectively. As no methane was present it is unlikely to be due to landfill gas migration.

- 4.8 31 January 2017 - Breach of Suspended Solid in leachate discharge consent. A level of 52 mg/l was detected against the limit of 50 mg/l. A re-sample was done and sent to the laboratory.

- 4.9 Michael Hornby advised as discussed at the November CLG, SWS is in negotiation with a third party company *Rock Solid* to process the IBA from EnviRecover EfW on the landfill site to recover non-ferrous metals.

The intention is to stockpile the IBA on site and then every 6 months the third party will process the material using mobile plant. This consists of a crusher, various conveyors, magnets, eddy current separators and a picking cabin to separate out various non-ferrous metals. This will take approximately 6 weeks to process the stockpile of IBA (approx. 25,000 tonnes) and will recover approximately 1,000 tonnes of metals which will be exported off site.

- 4.10 The planning permission was amended and issued on 17 January 2017.

- 4.11 The environmental permit also requires amending. The application is currently with the Environment Agency and SWS expect the permit to be issued in June 2017.

- 4.12 Operations to start the screening of IBA will commence around July 2017.

- 4.13 Michael Hornby advised that the Environmental Permit amendment will also remove the non-statutory requirement to set limits for carbon dioxide in external monitoring boreholes, although levels will continue to be monitored

and reported.

- 4.14 Michael Hornby advised that any gas escape – bubbling in landfill ditch previously reported – is associated with methane and not carbon dioxide.
- 4.15 CLG members raised concern over the potential of dust escape from the IBA.  
  
Michael Hornby advised that the IBA is slightly damp as it goes through a quenching process at EnviRecover. The IBA also tends to crust over when dry, reducing the risk of dust escaping from site.
- 4.16 Michael Hornby advised Cllr Charles Tucker that the IBA's density is approximately 1500 kg/m<sup>3</sup>: Images were distributed showing the relatively small stockpile (11,000 tonnes) of IBA stored in cell 5.3.
- 4.17 Michael Hornby advised that the screening cannot be operated at EnviRecover as the IBA needs to be graded into different fractions before the non-ferrous metal can be recovered.
- 4.18 Graded IBA could potentially be recycled / coarser material used as an aggregate for road building. This is subject to end of waste criteria being achieved. As the aluminium is removed it makes the coarser IBA more marketable to the construction industry as it bonds better when used within cement bound materials.
- 4.19 End of waste criteria explanation was provided to CLG members: there must be a genuine market for the material and it must meet the end of waste Environment Agency assessment, as currently occurs with the soil conditioner.
- 4.20 Michael Hornby advised that the standard SWS containers are used to transport the IBA.
- 4.21 The landfill will remain the designated disposal point should EnviRecover become unavailable for waste acceptance, therefore the manning levels will remain and the falconer will remain onsite for at least another 6 months, before a reassessment is made.
- 4.22 Fly spraying will continue within active cells four times per week, unless there is evidence to show this is no longer necessary.
- 4.23 Organic input onto site will continue, although in relatively small quantities through commercial waste inputs.
- 4.24 Infilling continues Pinvin end / west end of Cell 5.3 - Cllr Charles Tucker requested a visit.
- 4.25 The landfill tonnages input table was circulated to the group.
- 4.26 Hill & Moor weekly vehicle movement data was also circulated to the group, exhibiting a downward trend of District Council, SWS Transfer Station, EnviroSort and HRCs vehicle movements onto site. The grand total vehicle

movements into Hill & Moor reduced from 730 (w/c 5 September 2016) to 367 (w/c 6 March 2017).

## **5.0 Environment Agency Report**

- 5.1 Steve Roberts attended the CLG group in place of Sarah Dennis.
- 5.2 The elevated leachate level in cell 4.4 may have to be resolved via a replacement borehole if the level cannot be dropped back into compliance shortly.
- 5.3 Remedial work to address and manage the elevated levels of carbon dioxide detected along the Northern Ditch is working well.
- 5.4 Export cable faults remain a transient issue.
- 5.5 Horizontal gas extraction / scavenger gas extraction working well.
- 5.6 Steve Roberts was satisfied with steps introduced to reduce the possibility of gas migration.
- 5.7 Leachate plant may not cope with different chemistry of leachate / IBA.

Michael Hornby advised that some provisional research has been conducted regarding IBA leachate composition.

- 5.8 SWS reported that site maintenance should be easier as the landfill will be quieter.
- 5.9 Michael Hornby advised that the compost pad will continue to operate with odour controls in place.
- 5.10 Five (of six) landfill gas engines are running currently, due to reduced levels of gas extraction.

## **6.0 AOB**

- 6.1 Michael Hornby advised that the grass is cut on the restored area of the landfill site, primarily to ensure that the monitoring equipment and infrastructure can be easily located.
- 6.2 Michael Hornby advised no further information/update on a new contractor to operate the electricity generation and export contract.

## **7.0 The next meeting is scheduled for 18:00 Monday 10 July 2017**

## **8.0 The Meeting closed at 18:45**