



LEACHATE MANAGEMENT SERVICES  
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1.



**RE: Hafod L.F.S.**

**Subject: Surveys of various Gas and Leachate wells at the above landfill site.**

We visited the above landfill site on 16th and 17th October 2014 to survey with a camera various wells. The results of these surveys are as follows:

Note: All measurements are approximate.

**Well no GW 32.**

This has been recently installed and as such is in good order.

There was a solid total blockage at around 4m down.

This was pushed down by site to over 6m down with a length of pipe but came back up to around 5m down.

Perforations present from 3.50m down.

Depth to Liquid: None present. Depth to Blockage: Variable.

**Well no GW 33.**

This has been recently installed and as such is in good order.

Perforations present from 4.50m down.

“Slime was observed on the well walls from around 9m down.

There was some form of debris/build-up on the surface of the liquid which appears to be similar to that observed in GW 32.

Depth to Liquid: 11.60m. Depth to Base: 19m.

**Well no GW 35.**

This has been recently installed and as such is in good order.

Perforations present from around 7.15m down.

Depth to Liquid: 9.38m. Depth to Base: 21.84m.

**Well no GW 36.**

This has been recently installed and as such is in good order.

Perforations present from around 6.80m down.

Depth to Liquid: 10.00m. Depth to Base: 16.26m.

**Well no GW 37.**

This has been recently installed and as such is in good order.

Perforations present from approximately 4.20m down.

There was a little debris on the surface of the liquid.

Depth to Liquid: 7.22m. Depth to Base: 15.46m.

**Well no GW 38.**

This has been recently installed and as such is in good order.

Perforations present from 3.50m.

There was a little foam on the surface of the liquid

Depth to Liquid: 11.37m. Depth to Base: 28.12m.

**Well no GW 39.**

This has been recently installed and as such is in good order.

Perforations present from 6.52m.

Foam was present from the top of the well.

Depth to Liquid: 14.00m. Depth to Base: 26.80m.



Cont'd.



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2.

Hafod L.F.S. surveys cont'd.

**Well no GW 40.**

This has been recently installed and as such is in good order.  
Perforations present from 6.60m.  
Foam was present from 7.00m down.  
Depth to Liquid: 8.83m. Depth to Base: 16.90m.

**Well no GW 41.**

This has been recently installed and as such is in good order.  
Perforations present from 3.17m.  
Foam was present from 4.50m down.  
Depth to Liquid: 6.90m. Depth to Base: 12.70m.

**Well no GW 42.**

This has been recently installed and as such is in good order.  
The top section is however on an incline of approximately 22.5 degrees.  
Perforations present from 7.80m.  
"Slime" was observed on the well walls from this point.  
There was a small quantity of debris on the surface of the liquid.  
Depth to Liquid: 18.35m. Depth to Base: 28.55m.

**Well no GW 43.**

This has been recently installed and as such is in good order.  
Perforations present from 3.90m.  
There was a small quantity of foam on the surface of the liquid.  
Depth to Liquid: 17.33m. Depth to Base: 19m.

**Well no GW 44.**

This has been recently installed and as such is in good order.  
Perforations present from 3.50m down.  
"Slime" was observed on the well walls from this point.  
Foam was present from 10.00m down.  
Depth to Liquid: 12.60m. Depth to Base: 18.12m.

If you require any further information please do not hesitate to contact me,  
Oscar.