

Appendix 2

Bryn Posteg Landfill Audit

18th and 19th April 2018

1	Photograph taken opposite (9D(ii)) opposite the MRF-where previously significant amount of leachate has been visible flowing/cascading out of the flank and into the collection sum , although leachate was still evident flowing the flows were significantly lower.
2	Leachate flowing along the bottom of flank near 9D(ii)
3	Evidence of leachate flowing from the flank of cell 9D(ii)
4	High methane emissions of up to 64.6 % emanating near the entrance to Cell 9. Noticed due to bubbling in leachate ditch flowing adjacent haul road. Landfill gas management in this area should be investigated as a matter of urgency.
5	High methane emissions of up to 64.6 % emanating near the entrance to Cell 9. Noticed due to bubbling in leachate ditch flowing adjacent haul road. Landfill gas management in this area should be investigated as a matter of urgency.
6	High methane emissions emanating from haul track on Cell 9. Noticed due to bubbling in standing water above the holes. Landfill gas management in this area should be investigated as a matter of urgency.
7	High methane emissions emanating from haul track on Cell 9. Noticed due to bubbling in standing water above the holes. Landfill gas management in this area should be investigated as a matter of urgency.
8	High methane emissions emanating from haul track on Cell 9. Noticed due to bubbling in standing water above the holes. Landfill gas management in this area should be investigated as a matter of urgency.
9	High methane emissions emanating from leachate ditch alongside haul track on Cell 9. Noticed due to bubbling in standing water above the holes. Landfill gas management in this area should be investigated as a matter of urgency.
10	High methane emissions emanating from leachate ditch alongside haul track on Cell 9. Noticed due to bubbling in standing water above the holes. Landfill gas management in this area should be investigated as a matter of urgency.
11	Further work is required to gas collection pipework to improve falls and eliminate low spots where condensate can form and cause slugging effect etc
12	Condensate trap in hose

13	Further work is required to gas collection pipework to improve falls and eliminate low spots where condensate can form and cause slugging effect etc
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16	Example of one of these inaccessible high leachate towers where high methane readings were also noted around the base.
17	An area that needs de-watering urgently and gas extraction infrastructure improved considering all appropriate health and safety measures.
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19	A hole in the flank demonstrating methane forcing its way out under pressure and readings as high as 21.9% was noted in the (south west corner of cell 9D)
20	A hole in the flank demonstrating methane forcing its way out under pressure and readings as high as 21.9% was noted in the (south west corner of cell 9D)
21	A trench been excavated by the operator to contain contaminated water that had been previously noted by officer to be pooling at the top of Phase 9DA and been running down the capping on the southern flank, to the haul road
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23	Well bunged and not properly sealed. Well head should be replaced with sealed screw top well head
24	Bailing tool left permanently in well. Unable to seal due to rope attached to bailing tool.
25	Rock placed on top of well- Replace with well casing and lid fit for purpose
26	Unable to sample due to broken valve



Photograph 1



Photograph 2



Photograph 3



Photograph 4



Photograph 5



Photograph 6



Photograph 7



Photograph 8



Photograph 9



Photograph 10



Photograph 11



Photograph 12



Photograph 13



Photograph 14



Photograph 15



Photograph 16



Photograph 17



Photograph 18



Photograph 19



Photograph 20



Photograph 21



Photograph 22



Photograph 23



Photograph 24



Photograph 25



Photograph 26

