

Bradford, Julie

From: Oakes, Ian
Sent: 08 December 2014 10:21
To: Bradford, Julie
Subject: FW: Hafod Update Report and Proposals
Attachments: Dip Data new gas wells Nov 14.xlsx

EDRM / PR

From: GBall@coryenvironmental.co.uk [mailto:GBall@coryenvironmental.co.uk]
Sent: 28 November 2014 12:46
To: Roberts, Anthony
Cc: AHoll@coryenvironmental.co.uk; Oakes, Ian; ICraven@coryenvironmental.co.uk; Ward, Tyrone
Subject: Re: Hafod Update Report and Proposals

Hi Tony

Please see attached dip data taken at Hafod this week on the new wells, though the new wells mentioned are around 3.2M available the remainder are faring slightly better - with the continued efforts at Gas well evacuation this should continue to show improvement.

Graham Ball
Head of Landfill Gas and Bio Gas

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From: "Roberts, Anthony" <Anthony.Roberts@cyfoethnaturiolcymru.gov.uk>
To: "ICraven@coryenvironmental.co.uk" <ICraven@coryenvironmental.co.uk>, "Oakes, Ian" <Ian.Oakes@cyfoethnaturiolcymru.gov.uk>, "Ward, Tyrone" <Tyrone.Ward@cyfoethnaturiolcymru.gov.uk>
Cc: "GBall@coryenvironmental.co.uk" <GBall@coryenvironmental.co.uk>, "AHoll@coryenvironmental.co.uk" <AHoll@coryenvironmental.co.uk>
Date: 28/11/2014 11:51
Subject: Re: Hafod Update Report and Proposals

Good Morning Ian,

Thank you for the report and updated plan. The installation of the new pin wells at this density appears to be appropriate to help to control emissions from the area in question.

I would also like to take this opportunity to thank you for the work that has been undertaken in response to our audit in July as detailed in your attached report.

Now we have the report I will finish the summary of the follow up audit with Ty including the

developments that you have summarised. I am also in the process of amalgamating some of the reporting data that you have sent through to give a better idea of what is happening in the new wells in relation to the camera survey findings etc.

In summary wells 32,35,37,40 and 41 have less than 3.2m of slotted pipe available for extraction and all of the pipes are compromised in some form. The targeted removal of leachate by the additional pumps you have installed will help to improve this situation and should improve gas extraction efficiency further.

Myself and Ty will now produce a consolidated follow up audit report which we will submit to you by next Friday.

If you have any further queries please do not hesitate to contact me.

Best wishes

Tony

Tony Roberts

Cyfoeth Naturiol Cymru / Natural Resources Wales

Senior Environment Officer/Landfill Gas Technical Specialist

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Anthony.Roberts@naturalresourceswales.gov.uk

From: ICraven@coryenvironmental.co.uk <ICraven@coryenvironmental.co.uk>

Sent: 28 November 2014 08:28

To: Roberts, Anthony; Oakes, Ian

Cc: GBall@coryenvironmental.co.uk; AHoll@coryenvironmental.co.uk

Subject: Hafod Update Report and Proposals

Tony/Ian

Further to last weeks site visit please find attached an update report and further explanation of the proposals we discussed with you on the day. Over the next two weeks we intend to get manifold 7 moved and the extension to the 180mm main completed. If possible we will also start drilling the pin wells, but will inform you of this prior to starting.

If you have any queries please do not hesitate to contact me.

Kind regards

Ian Craven

NW Area Manager

Cory Environmental Resource Management

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Hafod Gas Well Dips

Well ID	Date	Dip to Liquid (m)	Dip to Base (m)	Liquid head (m)	Comments	plain pipe	perforated
HF00W032	24/11/2014		4.84	4.84	Blockage/Obstruction	4	15
HF00W033	24/11/2014				0 Well too high to dip	3	16.5
HF00W035	24/11/2014	9.89	22.53	12.64		7	16
HF00W036	24/11/2014	10.5	10.74	0.24		7	19.5
HF00W037	24/11/2014	8.1	14.1	6		4	12
HF00W038	24/11/2014	11.43	25.81	14.38		7	23.5
HF00W039	24/11/2014				0 Too high to dip	7	22
HF00W040	24/11/2014	9.75	17.75	8		7	12.5
HF00W041	24/11/2014	7.58	13.38	5.8		3	10
HF00W042	24/11/2014	18.75	29.26	10.51		4	24
HF00W043	24/11/2014				0 No dip port	4	27
HF00W044	24/11/2014	13.5	18.99	5.49		3	16

Perforation available	0
?	2.89
	3.5
	4.1
	4.43
?	2.75
	4.58
	14.75
?	10.5