

From: Zachary, Aled
To: Peter Taberner; Geoff Forrest
Cc: Adam Mears; Nicholas.Blake@fccenvironment.co.uk; Shaun.Trigg@fccenvironment.co.uk; Roberts, Anthony; Andrew.Leeding@INFINIS.COM; Wright, Paul
Subject: RE: Monthly Llanddulas dewatering update
Date: 19 August 2013 16:13:07
Attachments: 2013.07.23-24 - CAR1 - Llanddulas.pdf

Pete / Geoff,

Many thanks for the information below.

Based on your bullet points my comments are as follows:

1. As the data is demonstrating the removal of liquid in Gas Well D233 has yielded an increase in gas quality and flow I would now expect pumping to be extended to the other wells suspected of being inhibited by perched leachate in this area, namely wells D225, D227 & D228 as soon as is practicable. Other wells identified as flooded in the operational area also need to be prioritised.
2. Thanks for the updated plan. For the sake of clarity I don't think leachate infrastructure requires referencing as part of the gas well dewatering program in future correspondence.
3. If monitoring information is demonstrating that liquid levels have been sufficiently depressed in these wells please consider what other wells on site that would benefit from pumping. We have no issue with pumps being rotated or moved due to operational needs or based on what gas well dip data is demonstrating.
4. Please find attached my CAR1 form from the audit in July and actions attached. I note from recent conversations that some works to address issues identified during the audit are already underway. Please provide an update on these works in due course.

If you have any queries regarding the above, please contact me directly.

Kind regards

Aled

Swyddog Cydymffurfriad ARLI / PPC Compliance Officer

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Ein diben yw sicrhau bod adnoddau naturiol Cymru yn cael eu cynnal, eu gwella a'u defnyddio yn gynaliadwy, yn awr ac yn y dyfodol.

Our purpose is to ensure that the natural resources of Wales are sustainably maintained, enhanced and used, now and in the future.

From: Geoff Forrest [mailto:Geoff.Forrest@fccenvironment.co.uk]

Sent: 09 August 2013 17:20

To: Roberts, Anthony

Cc: Zachary, Aled; Adam Mears; Peter Taberner

Subject: Strictly privileged: prepared for the purposes of obtaining legal advice/ in contemplation of litigation - Monthly Llanddulas dewatering update

Tony,

As discussed at our meeting last week, I attach updated dewatering information for Llanddulas. I've also compiled data for the receiving wells (as requested) with CH4, Rel press, liquid level and cumulative volumes of leachate being delivered to the well over time. It looks like we are maintaining good absorption or drainage in Phase 3 because the liquid levels either stay the same or reduce, despite the introduction of liquid.

In addition;

- The pump recently installed in well D233 is now removing less leachate (after the initial volume of liquid sitting in the well was pumped out) and the early signs are that gas quality is increasing with relative pressure decreasing.
- Pumping is ongoing from 8 gas wells, 6 leachate pumping pots and a further 15 leachate extraction points on site – see updated plan attached.
- We note that liquid levels are staying low in wells D239 & D240 - with little liquid yield & good gas quality plus low relative pressure. These wells may be candidates for pump removal and installation in other gas wells where they be of greater benefit?
- We are meeting with Infinis next week for our first monthly meeting since the gas audit and will discuss the items on your gas audit report which both parties have now had time to review.

Regards

Geoff Forrest - Environment Manager

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