

Bradford, Julie

From: Zachary, Aled
Sent: 12 December 2014 13:04
To: Jayme Mountford
Subject: RE: Review of Quarterly Monitoring and clarification on IED Soil and Groundwater Monitoring Requirements.

Hi Jayme,

On your first point regarding GW sampling, yes you are correct. I would deem GW sampling every 5 yrs from January 2014 to meet the new requirements, unless you can demonstrate through historical data and risk assessment that it is unnecessary.

Similarly, if soil sampling is required I think this could be initiated from the point at which the condition becomes live in your permit. Again if historical data coupled with risk assessment deems this unnecessary then that would also meet the requirements of the condition / directive.

Hope that's clear?

Kind regards,

Aled

Aled Zachary

Swyddog Cydymffurfriad / Regulatory Officer
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From: Jayme Mountford [mailto:Jayme@synthite.co.uk]
Sent: 05 December 2014 10:58
To: Zachary, Aled
Subject: RE: Review of Quarterly Monitoring and clarification on IED Soil and Groundwater Monitoring Requirements.

Thanks, Aled. Can you clarify the following, please? Our permit contains the following about SPMP:-

4.1.7 The Operator shall, within two months of the date of this permit, submit a Site Protection and Monitoring Programme, in accordance with and using the format given in the Land Protection Guidance.

The Operator shall maintain the Site Protection and Monitoring Programme under condition 4.1.7, and shall carry out regular reviews of it. The nature of any changes made to the SPMP shall be reported to the Agency with details of the change.

We've met the above but I was just wondering if you have a read of the letter attached Paul sent back in January would I be correct if I were to say because Synthite have carried out groundwater analysis after 7th January 2014 (the date when we need to have met the requirements of the new directive) that we only need to repeat the analysis every five years unless we can show otherwise.

Last question...soil analysis – if it turns out we actually do need to do soil analysis every 10-years (which I doubt we will based on our risk assessment), can the first set of data be in 10-years from now or does it have to be asap? If it does have to be asap would the soil analysis from about 10-years back suffice (backed up with 10+ years of groundwater monitoring and risk assessments)?

Sorry to be a pain.

Thanks,
Jayme

From: Zachary, Aled [<mailto:Aled.Zachary@cyfoethnaturiolcymru.gov.uk>]
Sent: 04 December 2014 16:32
To: John Hallard
Cc: Jayme Mountford; Greg.Hickman@tsresins.co.uk
Subject: Review of Quarterly Monitoring and clarification on IED Soil and Groundwater Monitoring Requirements.

Hi John,

Please find attached a CAR1 Form covering my review of the quarterly monitoring submissions.

Jayme,

As per conversation, the Industrial Emissions Directive (IED) will make it a permit requirement to produce a baseline report for soil and groundwater contamination, with monitoring frequencies of 5yrs for groundwater and 10yrs for soil.

This requirement will be incorporated via a variation when the permit is reviewed in line with the timetable for the chemicals sector review. I suspect that if you carried out an intrusive survey during the permitting process and you can prove through record keeping, historical monitoring and risk assessment that nothing has effected conditions since, then we would accept that as a demonstration that no further work is required.

The Best Available Technique Reference (BREF) Document for the large volume organic chemicals sector is in draft form (April 2014) and is due for publication mid next year (2015). The draft is available here:
<http://eippcb.jrc.ec.europa.eu/reference/BREF/LVOC042014.pdf>

Based on the timeline I've observed with other sectors, we would most likely issue notices for information within 3 months of the BREF being formally adopted. This would require you to review the site and assess if any improvements are necessary as a result of the BAT conclusions in the BREF; updated / varied permits would then be issued (including the new baseline report requirement) following responses to these notices. In short, I think we'd be looking at 2016 for the permit condition requiring a baseline report to be "live" in your permit I suspect.

Once this condition is incorporated, a baseline report (essentially an SPMP) will be a legal requirement. Whether the report requires information to be gathered via intrusive soil and groundwater sampling should be determined via a risk assessment process. The EC guidance document attached provides information on what a baseline report should contain and divides the process into eight stages:

1. Identifying the hazardous substances that are currently used, produced, or released at the installation.
2. Identify the relevant hazardous substances.
3. Assessment of the site specific pollution possibility.
4. Site history.
5. Environmental Setting.
6. Site characterisation.
7. Site investigation.
8. Production of the baseline report.

The guidance states that if sufficient information is gathered during stages 1-6 to characterise the site, then intrusive sampling of both soil and groundwater would not be necessary. The information should characterise the ground conditions both laterally and vertically and to allow the baseline status in terms of quantified levels of pollution of soil and groundwater by relevant hazardous substances to be defined. For the specifics on each stage please refer to the document attached.

I trust the above is clear, but if you'd like any further clarification then please contact me directly

Kind regards,

Aled Zachary

Swyddog Cydymffurfriad / Regulatory Officer

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