

PSC Land

Subject: Application - EPR/AP3903PD/V002
Attachments: Virtus Stockley MCPD Annex I.xlsx

Hi REDACTED

Please find attached the Annex I table as requested

I have included LON5 and LON6 in the spreadsheet as this wasn't requested in this format before,

Trust this is of assistance.

We have a little more information on the design approach for the SCR from Agriemach which appears to be industry standard and installed on gas fired CHP and diesel engines with far longer run hours than emergency generators.

Final designs are still being drawn up and, an O&M manual will be available in due course.

The commissioning process on each and every application will determine the peak load and the SCR system is then mapped across the load range to ensure compliance. The NOx probe is a combined NOx/NH3 probe (one upstream and one downstream) used to control urea/AdBlue dosing) which is only started after the required temperature is reached (similar application has achieved this in 9 minutes, but it will be load dependant). Commissioning will set the lowest point at the NOx abatement curve where least NOx (and also ammonia slip) is detected. Agriemach have provided a statement saying there is no slip at this point.

The NOx limit in this application is expected to be 86mg/Nm3 @ 5% O2, and is hence inherently MCP compliant with a limit of 506mg/Nm3 @5% O2.

Data from the NOx probes will be stored for retrieval for information purposes.

Further information will be available in due course

Kind regards

REDACTED

From: REDACTED
Sent: 27 July 2022 15:28
To: REDACTED; REDACTED
Subject: RE: Application - EPR/AP3903PD/V002

REDACTED, REDACTED,

Many thanks for your email. I can confirm we have tracked the additional payment, hence items 1 to 3 of my non-duly made email are closed.

Also, the assessment submitted satisfies the duly making requirements for item 4.

RE: item 5, thanks for signposting me to the appendices. I've retrieved the information on the urea tank, copied and pasted below for ease of reference:

Urea Tank:

2,850 litre Nominal {3,000 Litre Brimfull} bunded oil tank to BS 799 part 5 type J 2010. Max working head 0.5m above top of tank. Tank plates fully welded inside & out. Tank internally braced as 5.6.4

fig 1. Material 3mm sheet Tank & Bund Ref:43A/EN10025S275

Bund Size: 3.0m long x 1.525m wide x 760mm high

Tank Size: 2.8m long x 1.425m wide x 751m high

Apart from what I believe is a typing mistake in the units of measure stated for the height of the tank, which I read as millimetres as opposed to metres, the information already available satisfies my request to confirm that these tanks are provided with adequate capacity secondary containment (i.e. in excess of 110% of the primary tank). I therefore consider item 5 closed as well, unless you have any additional/amended information you need to submit. I might need to follow up with request for additional information during the determination.

I believe this only leaves item 6 open, which hopefully shouldn't take you too long to close out.

It would also be helpful if you could respond to my question on the potential confidentiality of certain information.

Regards
REDACTED

From: REDACTED
Sent: 26 July 2022 14:46
To: REDACTED
Cc: REDACTED; REDACTED
Subject: RE: Application - EPR/AP3903PD/V002

Dear REDACTED

Please find attached a dispersion model assessment of the potential ammonia emissions from the testing and the hypothetical 72 hour emergency runs of the generators

I trust this meets with that aspect if the information requirement under point 4. I will however also forward information received from the supplier.

For point 5, I have requested further information (the tank design is described in the application appendices) and still await a response

For point 6, I will provide a table in due course

Kind regards

REDACTED

From: REDACTED
Sent: 15 July 2022 14:30
To: REDACTED; REDACTED
Subject: Application - Variation - Non-duly made request for information

Dear REDACTED and REDACTED,

We need more information about your application and underpayment of application charge

EPR application no. EPR/AP3903PD/V002
Applicant name Virtus HoldCo Ltd
Site / facility name Virtus Stockley Park Campus

Thank you for your application received on 13/04/2022. The following is to confirm our conversation of today.

1. You have applied for a normal variation, however this is not correct, since this variation is to add activities that on their own exceed the 50 MWth threshold for a combustion installation as specified in the Environmental Permitting Regulations. The correct application type is therefore a substantial variation.
2. Statutorily protected habitats lie within relevant screening distance from the installation. You therefore need to pay for the relevant habitat assessment charge of £779.
3. As a consequence, the application payment you sent was incorrect. The correct application charge is £17193 + £779. This leave a balance of £ 8,420 to pay. You have confirmed that you have now paid this balance amount, if so, no further action is needed from you. I will need to confirm with our admin support that the funds have been received.

I need to ask you for some missing information to progress with your application. Please provide us with more information to the following questions:

4. Update the air emissions risk assessment with emissions of ammonia from potential ammonia slip from the proposed SCR in LON8. If detailed information is not available, you might use conservative assumptions, such as benchmark emission levels / BAT-AELs for ammonia slip from the LCP BAT conclusions.
5. Confirm storage arrangements for urea, in particular secondary containment.
6. For the new generators proposed to be added in LON7, and LON8, include the information listed in Annex 1 of the Medium Combustion Plant Directive (MCPD) (possibly in a tabular format).

Please send the information, quoting the above application reference, to psc@environment-agency.gov.uk copying me.

Please send the information and payment within 10 working days of this email. Details of how to pay are given in Part F of the application form. If we do not receive the information and payment within 10 working days we will return your application.

If we do receive the requested information and/or payment delete as applicable within 10 working days, we'll continue to check your application. We'll check to see if there's enough information for the application to be 'duly made'. Duly made means that we have all the information we need to begin determination. Determination is where we assess your application and decide if we can allow what you've asked for.

We'll let you know by letter whether your application can be duly made. If it can't be duly made, we'll return your application to you. From our earlier conversation I'm reasonably confident that this won't be your case and that you will be able to provide the missing information in time. You have confirmed that you have already paid the due balance.

If we do have to return your application we'll send you a partial refund of your application payment. We'll retain 20% of the application charge to cover our costs in reviewing your application and requesting information. This maximum amount we'll retain is capped at £1,500. Further information on charging can be found at: <https://www.gov.uk/government/publications/environmental-permitting-ep-charges-scheme>

Commercial confidentiality

I've noticed that there is detailed costing information in the application, however, you have not submitted a confidentiality claim. We would like to confirm with you that **there is not** commercially confidential information in your application.

If there is commercially confidential information, please amend application form Part F to flag it and submit a confidentiality claim explain the reasons as to why this information should be kept confidential.

If there is any potentially confidential information that is not needed for the application, you can provide amended application documents to supersede the ones previously submitted.

If you submit a confidentiality claim, we'll assess it once your application is duly made.

If you have any questions please do not hesitate to call me.

Yours sincerely

REDACTED

Principal Permitting Officer, Installations, National Permitting Service
Environment Agency | Horizon House, Deanery Road, Bristol, BS1 5AH

REDACTED

External: REDACTED

Internal: REDACTED
Mobile: REDACTED



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