



From: Ross, Stuart
To: Bradford, Julie
Subject: FW: Action plan
Date: 19 May 2014 16:56:55
Attachments: Emissions action plan.doc
doc14127920140516143149.pdf

For public register

Cheers

Stu

From: Kate Lister [mailto:Kate.Lister@biogen.co.uk]
Sent: 16 May 2014 14:44
To: Ross, Stuart
Cc: David Eynon; David Herbert; Leslie Mitchell; Esther Hombarume; Graeme Outridge; Joely Slinn; David Horne
Subject: Action plan

Hi Stuart,

Hope the officers found the visit useful on Wednesday, please do not hesitate to give Dave's or my contact details should they have any queries following the visit.

The electricians completed the installation of the fan on the new biofilter shortly after your visit and it looks very promising. The fan is extremely quiet so I don't think there will be any noise implications. Dave and I did several odour checks and I also returned on the Thursday to assess for any off-site odours, we could not detect any odours off site and we could no longer detect any on site as we had earlier in the day during your visit so overall it is looking very promising.

With regards to the emissions testing I have attached the action plan as requested during your inspection, I have also attached the part B of the sch 5 but in essence this just refers to the action plan. The contractor is hoping to get on site to install the automatic dosing system on Monday or Tuesday but we are just waiting on final confirmation so I have put a target completion date for the 23.05.14 (i.e. the end of next week). I have also provisionally booked the 17.06.14 for the repeat test for sulphur dioxide as this is the first available date.

Dave and I collected several RAE tube readings (H₂S gas absorption tubes) from the common gas line and all 4 samples showed the levels to be more akin with the lower levels observed in the digesters, so there is still a big question mark over the fixed unit despite the recent service confirming it is functioning correctly. We are looking to get a permanent and safe sampling point installed on the common gas line for RAE tube sampling which should enable us to take more regular readings to cross reference with the fixed unit. I will also contact the supplier as some units can be affected by other compounds and therefore they will not give a true reading.

Hopefully this demonstrates our commitment to resolving this issue, however please do not hesitate to contact me if you wish to discuss it further or require any additional information.

Kind regards,

Kate

Kate Lister | Head of Compliance | Biogen
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National Recycling Awards 2013 – Winner | National Recycling Awards 2011 – Winner
The Observer Ethical Awards 2011 – Runner up | Rushlight Awards 2009 – Winner in 3 categories

	INITIALS	DATE
OK FOR PUBLIC REGISTER	SL	23/5/14
COPIED TO PUBLIC REGISTER	JB	EDM

Additional information as required by Part B of Sch 5 notice following emission breach of sulphur dioxide

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18 MAY 2014

Comments and suggested corrective action	Proposed/target date for completion	Person Responsible
1. Implement manual dosing of ferric chloride to reduce H ₂ S levels in the gas feed to the CHPs. Ferric chloride purchased and being manually dosed.	Completed	DE (Site Manager)
2. Place order for automated ferric dosing system including spool piece. The spool piece and dosing system have been delivered to site	Completed	DW (Director of Engineering)
4. Automated Ferric dosing system and spool piece to be installed and commissioned.	23.05.14	DE (Site Manager)
3. Arrange for fixed gas analyser to be calibrated to ensure that the reading is a true reading as it is showing much lower levels of H ₂ S in the digesters when compared to the common gas line. The unit has been serviced and recalibrated, the engineer advised that the readings were correct; however spot RAE tube readings show the levels to be more comparable with the digester readings. KL to query with the manufacturer whether the H ₂ S detector can be influenced by other gases.	Completed 23.05.14	EH (Environment Officer) Kate Lister (Head of Compliance)
4. Ad hoc samples have been taken using the RAE tube for H ₂ S; however the current sample point does not meet the companies H&S policies. A bespoke sample point is to be fitted to allow regular readings to be taken using RAE detection tubes. The results shall be recorded and reported to the Head of Compliance.	Order to be placed for sample connections by 21.05.14 and to be fitted on receipt. Samples to be taken daily once sample point fitted.	DE (Site Manager)
4. Automated Ferric dosing system and spool piece to be installed and commissioned.	23.05.14	DE (Site Manager)
5 EnviroDat (MCERTS accredited company) to be booked for repeat emissions test. Emissions date booked, first available date 17.06.14.	17.06.14 tests to be undertaken, results to be received by w/c 07.07.14	KL

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16 MAY 2014

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	REFER TO ATTACHED ADDITIONAL INFO REQUIRED BY PART B OF SCH 5 NOTICE FOLLOWING EMISSION
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	BREACH OF SULPHUR DIOXIDE INCLUDES ACTION PLAN WITH PROPOSED DATES.
The dates of any unauthorised emissions from the facility in the preceding 24 months.	N/A.

Name*	KATE LISTER
Post	HEAD OF COMPLIANCE
Signature	<i>KLB</i>
Date	16-05-14

* authorised to sign on behalf of the operator