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A Lubrizol Group Company

19/09/2016

Mr I Oakes
Natural Resources Wales
Chester Road
Buckley
Flintshire
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Dear Mr Oakes

PART B REPORT (SCHEDULE 1) – PPC PERMIT NUMBER BU 2357

Please find enclosed the information provided as a Part B report for the following Part A notification:-

Part A ref. No. 11/08/2016 -A

Yours sincerely
FOR WARWICK CHEMICALS

A handwritten signature in black ink that reads "Peter Bryant".

MR PETER BRYANT
HEALTH SAFETY & ENVIRONMENT MANAGER



TITLE :	Part 'B' Report Form				ISSUE NO.	15.0
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Part B Notification (schedule 1) in accordance with condition 5 (5.1.1 and 5.1.2) of PPC Permit BU 2357.

REFERENCES

Part A form, Ref. N°. 11/08/2016 - A submitted to the Environment Agency on 19/09/2016.

Further, more accurate information on the matters for notification under Part A.

Q3 scheduled monitoring on the incinerator stack was being carried out by Exova. On the 11th August monitoring was being carried out for heavy metals, this took place between 12.34hrs and 14.19hrs.

The formal report for the Q3 monitoring was issued by Exova on 16th September 2016 which confirmed that the heavy metals were in breach of the consent limit. Reviewing the report it appears that the lead component has made a significant contribution to the result at 0.51mg/m³. The normal result for lead emissions from A14 is around the 0.01mg/m³ level.

The incinerator had been suffering from some occasional failures due to feed line and filter blockages which had caused some disruption to the monitoring process. Prior to the scheduled monitoring the plant had been shut down for routine maintenance and the residue feed had been stored in road tankers. This material was then fed back into the incinerator feed tank. This is done to prevent the environmental impact of sending the material to landfill. The first tanker load (~24 tonne) was fed back into the tank in one lot.

It is thought that the material from one of the tankers had settled out and formed small lumps and it was these lumps of crystalline material that were blocking the feedline filter, causing the erratic flow and shutting down the incinerator unit.

Measures taken (or intended to be taken) to prevent a recurrence of the incident.

Although the monitoring results were not known at the time the feed failure/erratic operations of the incinerator were presenting problems and the possible cause of the problems had been identified. The next few tankers of stored residues were then introduced to the incinerator feed tank in 5 tonne lots. The introduction of the stored residues at this rate did not have any detrimental effect on the incinerator operation. Repeat monitoring for heavy metals is scheduled to take place on the 23rd September 2016.

Measures taken (or intended to be taken) to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission.

It is thought that no measurable environmental damage has occurred as a result of this incident

Dates of unauthorised emissions from the installation in the previous 24 months.

19/08/2014, 07/09/2104, 15/09/2014, 02/03/2016, 12/03/2016, 23/04/2016, 26/04/2016, 19/07/2016.