



29/04/2014

Mr I Oakes
Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Dear Mr Oakes

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

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

Part A ref. No. 20/04/2014. 22/04/2014 and 26/04/2014

Yours sincerely
FOR WARWICK CHEMICALS

MR PETER BRYANT
HEALTH SAFETY & ENVIRONMENT MANAGER

	INITIALS	DATE
OK FOR PUBLIC REGISTER	<i>JB</i>	<i>7/5/14</i>
COPIED TO PUBLIC REGISTER	<i>JB</i>	<i>EDRM</i>

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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°. 20/02/2014 submitted to the Environment Agency on 21/02/2014.

Part A form, Ref. N°. 22/02/2014 submitted to the Environment Agency on 24/02/2014.

Part A form, Ref. N°. 26/02/2014 submitted to the Environment Agency on 28/02/2014.

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

The discharge on the 20th February was 1256m³ with an average solid content of 289mg/l. All other discharge parameters were within consent limits. The pre-discharge result for solid content was 192 mg/l.

The discharge on the 22th February was 1182m³ with an average solid content of 293mg/l. All other discharge parameters were within consent limits. The pre-discharge result for solid content was 197 mg/l.

The discharge on the 26th February was 1219m³ with an average solid content of 275mg/l. All other discharge parameters were within consent limits. The pre-discharge result for solid content was 137 mg/l.

Checks carried out on the samples from the discharges showed considerable amounts of fungal hyphae present in all three discharges. The trend graph of the solid content shows that there is a rise in solid content just after the initial opening of the discharge valve after which the solid content drops and then picks up again just before the tank empties – the action of the tank emptying pulling material from the base of the tank into the discharge pipe.

The trend graph for the central collection chamber was checked for the collection periods for tanks 1 and 2 and there was nothing unusual indicated. There had been no loss of containment from any of the production or processing areas prior to the collection/discharges taking place.

The monitoring equipment has been through its cleaning and calibration checks on the 21st February with nothing unusual identified/noted by the E&I technicians.

All of the other discharge parameters (COD, pH, temperature, discharge volume/rate and ammoniacle nitrogen) were well within the emission limits for each of the discharges.

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

Arrangements were made for tank cleaning following the first consent breach. Because of the tide times and the timing of the clean out it was not possible to get tank 1 cleaned out before there had been a repeat breach on the 22nd February.

As a precaution, arrangements were also made to get tank 2 cleaned out but not before there had been a consent breach from this tank as well.

Monitoring of the water systems on site is continuing looking at the levels of fungal hyphae within the system. The dosing system for Mostyn water has been checked and it is operating within the specified parameters. Closer monitoring of the solid content that is discharged is being carried out, but this does not always provide a reliable 'early warning'.

Some investigations are being carried out looking at the potential impact that the fungal hyphae might have on the River. Currently the Company are reluctant to use any additional chemical dosing to overcome this problem and are waiting for the results of the investigations.

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.

14&15/01/2012, 6&7/08/2012, 20/09/2012, 28/11/2012, 13/01/2013, 06/05/2013, 09/10/2013, 07/11/2013, 23/12/2013.