



02/09/2014

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 notifications:-

Part A ref. No's. 19/08/2014

Yours sincerely
FOR WARWICK CHEMICALS

MR PETER BRYANT
HEALTH SAFETY & ENVIRONMENT MANAGER

ON FOR PUBLIC REGISTER	☒	DATE	3/9/14
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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°. 19/08/2014 submitted to the Environment Agency on 20/08/2014.

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

The discharge on the 19th August was 757.5m³ with an average solid content of 266mg/l. All other discharge parameters were within consent limits. The pre-discharge result for solid content was 111mg/l.

The pre-sample had been taken from Tank 2 and tested giving a result of 111mg/l. This was high but well within the emission limit and, following the recent tank clean out, it was expected that the final result from the discharge would also be within specification.

The composite discharge sample was collected and analysed giving results of 248, 275 and 264mg/l. Further tests were carried out on the other portion of the composite sample which gave results of 285, 257 and 270 mg/l. The average result of all samples was 266mg/l.

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

The discharge sample for the 19th August was examined and was found to contain high levels of fungal hyphae.

% ash determination was carried out on the sample with the result indicating that there was a high organic content in the discharged material.

Checking the collection data from the monitors on the central collection chamber indicated that there had not been any abnormal activity or loss of containment from the production plants. The hold sample and composite discharge sample were both a straw colour (typical of most discharges) indicating that there had been no discharge or loss of containment from the AED recycle plant currently being commissioned.

The monitoring equipment at the central collection chamber and the final discharge point continue to be cleaned and calibrated on a weekly basis. There have been no reports of any equipment mal-function or failure.

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

Arrangements have been made for both the tanks to be emptied, scraped clean and disinfected during the scheduled October shutdown.

Monitoring of the water systems on site is on-going, looking at the levels of fungal hyphae at various points within the system. The dosing system for Mostyn water is checked regularly to ensure that it is operating within the specified parameters and providing a residual active level at the farthest ends of the water system.

Additional testing is currently being carried out looking at the potential impact that the fungal hyphae might have on the COD levels in the waste water discharge.

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.

20/09/12, 28/11/12, 13/01/2013, 06/05/2013, 09/10/2013, 07/11/2013, 23/12/2013, 20/02/2014, 22/02/2014, 26/02/2014, 19/06/2014, 20/07/2014, 21/07/2014, 22/07/2014.