

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	EPR/DB3131AF
Name of operator	Miller Argent (South Wales) Limited
Location of Facility	Ffos-y-fran Land Reclamation Scheme
Time and date of the detection	15.01.16

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	5 th and 6 th January 2016
Reference or description of the location of the event	Permit EPR/DB3131AF requires that Permit Holder notifies NRW in the event of an exceedance in permitted suspended solids levels – i.e. higher than 50mg/l. This form is submitted for notification of an exceedance in water discharge from WC lagoon on the 5 th and 6 th January 2016. pH limits were within permitted levels of 5-9.
Description of where any release into the environment took place	Water discharge to surface water from discharge point of WC lagoon.
Substances(s) potentially released	Two isolated incidents resulting in Suspended solids exceeding 50mg/l permitted level but not exceeding 58mg/l. Solids are as a result of natural soil runoff from lagoon slopes into the polishing lagoon.
Best estimate of the quantity or rate of release of substances	n/a
Measures taken, or intended to be taken, to stop any emission	There has been extremely high sustained rain levels over the past 6 weeks period and apart from the two isolated incidents on 5 th & 6 th Jan 2016, our records show that all discharge from the lagoons has been within permitted levels during this time. Following these incidents our subsequent investigations show that there had been particularly heavy intense bursts of rain which resulted in localised run off from the earth banks of the polishing lagoon to be washed into the lagoons. On the 3 rd & 4 th Jan 2016 the rainfall was particularly intense (i.e. 36.1mm & 45.8mm respectively). The banks

	<p>have been seeded in the past to enhance their stability, despite the fact that some vegetation has died back the overall integrity of the banks are sound. Preventative measures are discussed further below.</p>
<p>Description of the failure or accident.</p>	<p>On the 5th and 6th of January four water samples were taken from our WC lagoon (two on each day) in response to turbidity alarm triggers. Two of these samples were found to have exceeded our suspended solids limit of 50 mg/l, the other two samples were below the 50 mg/l limit.</p> <p>The sample from 1.05pm on the 5th Jan was 57.9 mg/l and the sample from 7.41am on the 6th Jan was 52.1 mg/l. The additional samples taken on 5th Jan (8.17pm) and 6th Jan recorded levels of 42 & 32 mg/l respectively indicating that the elevated samples were isolated incidents</p>

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	"A10 Trade effluent from treatment area 'WC' consisting of settled opencast site drainage via Outlet 7"
Parameter(s)	Suspended Solids and pH
Limit	<ul style="list-style-type: none"> • Suspended solids (measured after drying at 105°C) = 50 mg/l • pH 5 to 9
Measured value and uncertainty	The samples were sent off to ALS (UKAS accredited) labs for analysis. The result of the samples (returned on the 15.01.16) were found to have exceeded our Suspended Solids Consent limit of 50 mg/l – the sample from the 5 th Jan was 57.9 mg/l and the sample from the 6 th Jan was 52.1 mg/l.
Date and time of monitoring	Hourly monitoring. Samples found to be in exceedance were taken on 5 th Jan (1.05pm) and 6 th Jan (7.41am) 2016. Additional samples taken during this period fell within compliance limits.
Measures taken, or intended to be taken, to stop the emission	The exceedance is as a result of the extremely high sustained rain levels since November 2015, which were of particularly high intensity on the 2 days immediately prior to the two isolated incidents. In the last 5* weeks of 2015, December total rainfall levels were recorded at 412.3mm and between 1 st -8 th Jan 2016 were recorded at 139.8mm. This high intensity rainfall had caused soil to be washed into the lagoons from the surrounding banks (which are only partially vegetated) and as such it is considered beyond reasonable control on this occasion. Consideration will be given to seeding the banks again in the Spring when growing conditions are more favourable.
Additional Notes:	Nov 2015 rain fall total 256.28mm *Dec 2015 rainfall total 412.3mm *1 st – 8 th Jan 2016 = 139.8mm

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period
On detection – notified Jeff Edwards on receipt of lab results.	On detection

(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	No adverse environmental effect. The receiving watercourses were in full flow following the high intensity recent rainfall levels.
Substances(s) detected	Suspended solids
Concentrations of substances detected	The samples were sent off to ALS labs for analysis. The result of the samples (returned on the 15.01.16) were found to have exceeded our Suspended Solids Consent limit of 50 mg/l – the sample from the 5 th Jan was 57.9 mg/l and the sample from the 6 th Jan was 52.1 mg/l.
Date of monitoring/sampling	Samples in question taken 5 th and 6 th January 2016.

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	no
Measures taken, or intended to be taken, to prevent a recurrence of the incident	As outlined above
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	As these isolated incidents resulted in a less than 8 mg/l exceedance at a time when the receiving watercourse levels were extremely high. We do not believe that these isolated incidents gave rise to any significant pollution or detrimental effect on the immediate environment.
The dates of any unauthorised emissions from the facility in the preceding 24 months.	January 2015 - Report ID: 103535/0229932 re: elevated suspended solids discharging to controlled waters June 2015 - Report ID: 103535/0242367 re: elevated suspended solids discharging to controlled waters.

Name*	Georgina Taubman
Post	Environmental Liaison Officer
Signature	
Date	15.01.16

* authorised to sign on behalf of the operator