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24 FEB 2014

Schedule 6 - 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 PPC Regulations.

Part A

Permit Number	ZP3331LP
Name of operator	BHP Billiton Petroleum Ltd
Location of Installation	Talacre Holywell Flintshire CH8 9RD
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection

Date and time of the event	18/11/2013 16:10 hrs
Reference or description of the location of the event	Malfunction of SO ₂ & NO _x Analyser on the POA Thermal Oxidiser (TOX)
Description of where any release into the environment took place	Release is via TOX stack (Emission point reference – A1)
Substances(s) potentially released	Sulphur Dioxide (SO ₂) & Nitrogen Oxide (NO _x)
Best estimate of the quantity or rate of release of substances	Average emission levels SO ₂ – 13.5 mg/nm ³ , NO _x – 34.8 mg/nm ³ . These were below set environmental limits (SO ₂ – 190mg/nm ³ , Avg NO _x – 120mg/nm ³)
Measures taken, or intended to be taken, to stop any emission	Instrument was recalibrated as part of its auto-calibration cycle Monitored SRU / TGU process parameters No excursions prior to instrument failure, plant conditions remain steady. Liaising with Analyser vendor for support to rectify this issue.
Description of the failure or accident.	TOX Analyser SO ₂ readings drifted towards zero. Analyser went into an auto-calibration cycle and the readings were corrected automatically. TOX Analyser values returned to normal at 02:42 on the 19 th November 2013. No further Issues noted. This incident is coincident with the first frost of the season and suspect may be the cause of the problem.

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INITIALS

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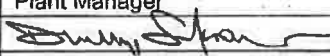
(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	-
Parameter(s)	-
Limit	-
Measured value and uncertainty	-
Date and time of monitoring	-
Measures taken, or intended to be taken, to stop the emission	-

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.	<p>The drift to zero error re-occurred on several occasions afterwards for very short periods and the analyser automatically corrected itself during its auto-calibration cycle.</p> <p>The analyser auto calibrates itself twice a day. There were no breaches of emission limits on these occasions.</p>
Measures taken, or intended to be taken, to prevent a recurrence of the incident	<p>A low alarm was installed on the DCS System to inform the Plant Operator if the SO₂ and NO_x readings drift towards zero.</p> <p>The TOX Analyser was overhauled by onsite technicians and the vendor, AMCS, to investigate and repair analyser. The analyser was deemed working correctly by the vendor during their checks.</p> <p>It was recommended that the sample line be blown through with steam while taking the analyser offline. This was done on 19th January 2014 after consultation with NRW during their site visit on 17th January, and their approval obtained. The analyser has been monitored since then and it is working correctly during both hot and cold weather conditions.</p> <p>Instrument Engineers have been tasked to undertake a failure analysis of the TOX Analyser to identify potential root causes.</p>
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	N/A
The dates of any unauthorised emissions from the installation in the preceding 24 months.	N/A

Name*	Dhillip Sankoomar
Post	Plant Manager
Signature	
Date	24 th February 2014

* authorised to sign on behalf of BHP Billiton Petroleum Ltd.

