

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	ENI Liverpool Bay Operating Company
Location of Installation	Talacre Holywell Flintshire CH8 9RD
Time and date of the detection	05:44hrs 20/04/2016

(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	05:44hrs 20/04/2016 to 20:07hrs 20/04/2016
Reference or description of the location of the event	Malfunction of SO ₂ & NO _x Analyser on the Thermal Oxidizer (TOX) at two separate points during the above period.
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	Hourly Average SO ₂ Levels fluctuated during plant instability peaking at 1384 mg/nm ³ . Plant is currently operating with TGU offline for essential maintenance; prior consent for this circumstance was agreed with NRW and a Part A submitted on Sunday 17 th April when the TGU was taken offline. Therefore these elevated emissions readings are also a consequence of the TGU being offline, and not just as a consequence of the events described below. Hourly Average NO _x 30 mg/nm ³ .
Measures taken, or intended to be taken, to stop any emission	Monitoring Sulphur Recovery Unit process parameters. The H ₂ S:SO ₂ ratio optimised to reduce emissions. Daily site perimeter checks conducted for signs of any odours. Engineering investigation of the cause of the fluctuation during the low gas flow. Site Instrument Technicians trained to investigate and repair faults on the TOX Analysers.

<p>Description of the failure or accident.</p>	<p>There were two events during this period:</p> <p>The first event occurred at 05:44 whilst the POA Terminal was on recycle mode, i.e. on hot standby whilst not processing natural gas due to an earlier stoppage of feed gas (offshore trip). The thermal oxidiser SO₂ and NO_x readings began fluctuating due to process instability, which is typical during a zero gas flow situation. The analyser was checked by the instrument technicians and found to be calibrated correctly. The NO_x readings returned to normal values after gas sales had recommenced but the SO₂ readings continued to fluctuate whilst the plant was being optimized. The SO₂ reading stabilized after the automatic calibration occurred, at 20:07 on the same day.</p> <p>The second event occurred at 17:07 on the same day, when the NO_x Analyser readings went to negative values for about 26 minutes before returning to normal. The instrument was checked by the site technician but no obvious fault identified.</p>
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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>TGU put back online on the 8th May 2016. SO₂ Emissions (Hourly Average) dropped below 190 mg/nm³ at 15:55.</p> <p>During restart of TGU Unit, which happened to be coincident with the Plant on Recycle mode (zero gas sales) operation a very similar anomaly was observed on the NOX Analyser, which indicates the analyser was not a fault and this was likely a process related issue due to unstable operations of the SRU during low flow operations.</p>
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Continuous monitoring of plant operating conditions. The TGU has been brought online to prevent escalation of the emission above specification.
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*	DRILL P SANKHOMAR
Post	PLANT MANAGER
Signature	
Date	16-05-16.

* authorised to sign on behalf of Eni Liverpool Bay Operating Company Ltd.