

Schedule 1 – 5.1.1 Notification

PART B

Permit Number:	BR97151B
Name of Operator:	Solutia UK Ltd
Location of Installation:	Corporation Road, Newport, Gwent, NP194XF
Location of the emission:	Therminol 3 – Preheater area
Time and date of the emission:	11/06/2018

Any more accurate information on the matters for notification under Part A	- The subsequent investigation had a revised estimate of 20-50L of benzene (~30L reported initially), with the releases occurring in the preheater and benzene spade areas. As stated also, the liquid was captured by the dedicated interceptor system, and no increased levels were observed in the effluent - Residual benzene had not been observed on previous de-cokes since operations commenced in 2016 - The required purge volume of CO₂ had recently been reduced as part of an ongoing process of optimization, and the Management of Change process had been followed correctly. The minimum CO₂ based on volume is 180kg, and on this occasion ~450kg was used - It is believed however that there is both the action of; physically 'pushing out', as well as evaporation effects - noting that the CO₂ is hot having passed through the furnace. Due to this, it is thought that the volume of CO₂ used was not sufficient to 'dry' the lines
Measures taken, or intended to be taken, to prevent a recurrence of the incident	- Increase the 'shutting down' CO₂ purge to 1000kg, and document accordingly [Complete] - Monitor the area around the vent points for evidence of ineffective CO₂ purging after each decoke for the next 3 decokes on each furnace [No issues to date]

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	None proposed
The dates of any unauthorised emissions from the installation in the preceding 24 months	26/07/2018 - D2010 Bellows failure 11/06/2018 - Benzene, ineffective purge cycle [This Notification] 12/03/2018 - PCP in effluent 31/01/2018 - NOx on TH3 Furnaces 15/01/2018 - Benzene CO ₂ vent 09/01/2018 - PCP in effluent 30/10/2017 - Acetone coupling failure 25/10/2017 - Benzene CO ₂ vent 11/07/2017 - Benzene CO ₂ vent 10/04/2017 - NOx on TH3 Furnaces 12/08/2016 - Benzene Transfer Line

*** Signed:** 

Date: 07/08/2018

* authorised to sign on behalf of Solutia UK Ltd