

Schedule 1 – 5.1.1 Notification

PART B

Permit Number:	BR9715B
Name of Operator:	Solutia UK Ltd
Location of Installation:	Corporation Road, Newport, Gwent, NP194XF
Location of the emission:	Therminol 3 – Benzene Transfer line
Time and date of the emission:	12/08/2016, 13:22

Any more accurate information on the matters for notification under Part A	As described in the Part A, whilst commissioning the new Therminol TH3 plant, benzene was being introduced into pipework for the first time - as such the commissioning team were supervising both in the field, and the control room. When the benzene pump was started, a leak was observed from beneath a lagged section. The associated valves were immediately closed, the alarm raised, and the plant shutdown in conjunction with the Response Team making the area safe The subsequent investigation identified the point of failure as a flanged pipework joint on a flowmeter. The pipework was steam traced, and this had caused the gasket to become heat damaged whilst the pipework was empty. The gasket was a 'special' type specified for use on the flowmeter, but; not rated for the elevated temperature, and was not of anti-blowout design. This was traced back to a specification error at design stage
Measures taken, or intended to be taken, to prevent a recurrence of the incident	The following actions were identified following the investigation: • Confirm that SPG anti-blowout gaskets could be fitted without adversely affecting the flowmeters • Replace the failed gasket with SPG anti-blowout type rated for the correct temperature • Identify all other gaskets which are not anti-blowout in the furnace area, and install suitable replacements before re-introduction of chemicals

	- Identify all other installed gaskets on process lines across the rest of TH3 which are not anti-blowout, and install suitable replacements before re-introduction of chemicals - Develop a prioritized plan for all other installed gaskets on utility lines across the rest of TH3 which are not anti-blowout - Review TH3 project line lists for lines with trace heating, and confirm that design temperatures in the list are sufficient - Propose considered alternatives to 12bar steam heat tracing The above items have been completed at the time of this submission, and the following actions are scheduled in order to help prevent a potential recurrence of a similar nature - Review how the project checking and sign-off process could be improved to catch specification errors - Review the use of specification sheets in project work to ensure clear communication of information
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	12/08/2016 - Benzene Transfer Line [This Notification] 28/06/2016 - Boiler 16 NOx emissions 23/02/2016 - Bellows Failure 26/01/2016 - W1 pumping during cease discharge 10/01/2016 - Acetic Acid pipe failure 04/01/2016 - Catch Tank Vent, HCl / Acetic release

* Signed:



Date: 25/10/2016