

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:	Dequest 2010
Time and date of the emission:	26/07/2018

Any more accurate information on the matters for notification under Part A	A failed software download to the D2010 control system, resulted in; a loss of telemetry, and the respective controls going to their failsafe modes. Consequently, the reactor bellows became 'locked in', and due to temperature & pressure effects, the bellows subsequently ruptured Approximately 5t of the 7.5t 'in-process' batch was manually onward transferred-out to the 'stripper', with ~2.5t of material being released from the ruptured bellows into the bunded area beneath. Some HCl fume was also liberated locally, and the plant deluge system & water monitors were activated to contain the fume. The site ERT (Emergency Response Team) attended the location to coordinate activities
Measures taken, or intended to be taken, to prevent a recurrence of the incident	The plant remained off-line until 30/07/2018 to allow for: repairs, investigation, and software modification to the control system. The following actions were also identified • Review need to upgrade aged control system • Consider changing failsafe modes, or install fail-open valve • Include controller failure scenario in emergency instructions • Consider changing accepted plant state when routine downloads are performed

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 [This Notification] 11/06/2018 - Benzene, ineffective purge cycle 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

*** Signed:** 

Date: 21/11/2018

* authorised to sign on behalf of Solutia UK Ltd