

Schedule 1 – 5.1.1 Notification

PART B

Permit Number:	BR9715IB
Name of Operator:	Solutia UK Ltd
Location of Installation:	Corporation Road, Newport, Gwent, NP194XF
Location of the emission:	Boiler 16 – Gas Turbine
Time and date of the emission:	20/11/2018 – for 31 days

Any more accurate information on the matters for notification under Part A	Following the Gas Turbine compressor failure, the unit was returned to the supplier for investigation, which identified a damaged 'slide-valve'. This was subsequently repaired, and the unit returned to site for re-installation. We were advised that this component is not something that would normally fail in use – hence some additional measures outlined in section below: Coincidentally, the quarterly emissions monitoring was conducted & reported during this outage, and was typical of emissions during non-turbine operation i.e. 187.4 mg/Nm³ NO_x – as reported on the routine Permit Returns
Measures taken, or intended to be taken, to prevent a recurrence of the incident	• The supplier advised that whilst OEM oil had been used, there is an alternative 'non-hydroscopic' oil available which could be assessed for future use • An enhanced frequency programme of oil sampling (every 14 days) and monthly vibration testing has been started to better monitor performance and flag up any deterioration • It may be possible for the supplier to source & retain a selection of spares to limit potential downtime in the future – should this not prove viable, an application for critical spares will be submitted for consideration by the business, which may comprise a complete replacement compressor unit In addition, it was noted that the contracted response following the event was not as timely as had been agreed. As such, we have been advised that provision is being made for additional (and more local) trained technicians, with enhanced on-call resource

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	02/11/2019 – PCP in effluent 09/12/2018 – PCP in effluent 21/11/2018 – Gas Turbine Compressor [This Notification] 26/07/2018 - D2010 Bellows failure 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: 28/03/2019

* authorised to sign on behalf of Solutia UK Ltd