

BARRY SILICON-BASED MANUFACTURING INSTALLATION
Environmental Permitting (England & Wales) Regulations 2007
Permit No: BR9685IX

IMPROVEMENT PROGRAMME

Reference IP33

The operator shall undertake the monitoring of dust emissions of the newly authorised vent point A120 and shall submit a report to Natural Resources Wales, confirming the calculated values and actual values match, together with confidence limits, that can be achieved by the existing air emission abatement equipment.

Required Submission Date:

3 months following the commissioning of the catalyst offloading system.

Written January 2017 by J Sartor

Background

Improvement item IP33 requires Dow Corning to carry out monitoring of the dust emissions from authorised vent point A120. The requirement of the permit is that there are no visible releases from this vent point.

This vent is connected to a powdered catalyst offloading system. The system pneumatically offloads material into a charging pot. The system has a primary and secondary filtration system which are designed such that there will be no dust emissions from the vent.

Report

Particulate sampling would not be practical for this vent point, so it was agreed with NRW that we would carry out visual inspection and observations.

Visual observation has been carried out by the operators during catalyst offloading and there has been no visible dust observed. The vent point and the area surrounding it have been inspected and there is no evidence of deposition around or nearby.

Below are photos of the system and the vent point.



A120 Vent from catalyst charging pot. The vent goes to the top of W930 plant. There is no visible dust or evidence of particulate deposition around or near the emission discharge point.