

NOTIFICATION AS REQUIRED BY CONDITION 4.3.1 of Permit BL4567IZ

SCHEDULE 5

Part A

Permit Number	BL4567IZ
Name of Operator:	Vale Europe Limited
Location of Facility	Clydach Refinery, Clydach, Swansea, SA6 5QR.
Time and date of the detection	During March Emissions Monitoring

(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment	
To be notified Immediately	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a permit condition	
To be notified immediately	
Emission point reference/ source	A18 – Decomposer Unit 12 A78 – T123 Powder Plant Dust Extraction
Parameter(s)	CO , Dust
Limit	CO – 15 mg/m3 Dust – 5 mg/m3
Measured value and uncertainty	A18 - CO 21.59 mg/m3 A78 – Dust 56.55 mg/m3
Date and time of monitoring	01/03/21 – 12:00 – 13:00
Measures taken, or intended to be taken, to stop the emission	Outlined in Part B

(c) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:	
To be notified immediately	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	A18 – Root Cause – Unit operating efficiency out of specification A78 – Root Cause - Filter Failure on (Big Bag) revert hopper which led to dust in ducting pre-emission point.																
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Emissions Contractor will be visiting site to re-analyse A78 the emission point following the corrective action that has been implemented to confirm the action has been effective. Emissions Contractor will be visiting site to work alongside the Decomposer Unit Engineers to re-analyse A18 – while efficiency calibrations are being undertaken to identify the optimum operating level to be within the permitted limits. Maintenance plan adjustment to capture filter changes before end of life and improve visual inspection programme. Re-calibration of the the dust probes and a review the bag failure pressure alarms at A78																
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	A78 - Ducting has been cleaned out and Filter has been changed																
The dates of any unauthorised emissions from the facility in the preceding 24 months.	<table border="0"> <tr> <td>03rd May 2019</td><td>W1 Total, Sol Ni & Suspended solids</td></tr> <tr> <td>29th September 2019</td><td>W10 Use of Refinery emergency Flood Pumps</td></tr> <tr> <td>22nd October 2019</td><td>W1 Total & Sol Ni</td></tr> <tr> <td>21st January 2020</td><td>W1 Total Ni and Suspended Solids</td></tr> <tr> <td>29th June 2020</td><td>W1 Total and Sol Ni</td></tr> <tr> <td>October 2020</td><td>W1 pH</td></tr> <tr> <td>December 2020 relating to September monitoring</td><td>A1.A26,A28,A31 NOx & CO</td></tr> <tr> <td>03rd May 2021</td><td>W1 pH</td></tr> </table>	03 rd May 2019	W1 Total, Sol Ni & Suspended solids	29 th September 2019	W10 Use of Refinery emergency Flood Pumps	22 nd October 2019	W1 Total & Sol Ni	21 st January 2020	W1 Total Ni and Suspended Solids	29 th June 2020	W1 Total and Sol Ni	October 2020	W1 pH	December 2020 relating to September monitoring	A1.A26,A28,A31 NOx & CO	03 rd May 2021	W1 pH
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Name*	Richard De Filippo																
Post	Sustainability Supervisor																
Signature	<i>Richard De Filippo</i>																
Date	08/07/2021																

* authorised to sign on behalf of the operator