

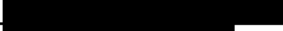
Part A Response

Part A – to be submitted within 24 hours of the incident.

Permit Number	BU5453IY
Name Of Operator	AGC Chemicals Europe Ltd
Location Of Installation	Hillhouse International, Thornton Cleveleys, Lancashire
Time and date of the detection	16/07/2023

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident or fugitive emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution																										
To be notified within 24 hours of detection																										
Date and time of event	Week ending 16/07/2023																									
Reference or description of the location of the event	Missed air emissions monitoring from A1 Low Boiler Stack and A2 Waste Acid Stack. There was a failure of Gas chromatography–mass spectrometry (GC-MS) in-house monitoring equipment due to computer replacements and installation of new software.																									
Description of where any release into the environment took place	A1 Low Boiler Stack A2 Waste Acid Stack																									
Substance(s) potentially released	A1 Low Boiler Stack - Carbon monoxide (CO) - Tetrafluoroethylene (TFE) - Trifluoromethane (R23) - Difluoromethane (R32) - Trifluoroethylene (3FE) - Pentafluoroethane (R125) - Chlorodifluoromethane (R22) A2 Waste Acid Stack - Tetrafluoroethylene (TFE) - Hexafluoropropylene (HFP) - Chlorodifluoromethane (R22)																									
Best estimate of the quantity or rate of release of substance(s)	A1 Low Boiler Stack <table border="1"> <thead> <tr> <th>Emission</th><th>Permit Limit</th><th>Average Weekly emission from 01/01/2023 to week ending 09/07/2023</th></tr> </thead> <tbody> <tr> <td>CO</td><td>25 t/year</td><td>4.686 tonnes</td></tr> <tr> <td>TFE</td><td>2 kg/hr</td><td>0.4545 kg/h</td></tr> <tr> <td>R23</td><td>500 g/hr</td><td>0.274 kg/h</td></tr> <tr> <td>R32</td><td>100 g/hr</td><td>0.031 kg/h</td></tr> <tr> <td>3FE</td><td>2 kg/hr</td><td>0.0084 kg/h</td></tr> <tr> <td>R125</td><td>100 g/hr</td><td>0.0015 kg/h</td></tr> <tr> <td>R22</td><td>100 g/hr</td><td>0.0112 kg/h</td></tr> </tbody> </table>		Emission	Permit Limit	Average Weekly emission from 01/01/2023 to week ending 09/07/2023	CO	25 t/year	4.686 tonnes	TFE	2 kg/hr	0.4545 kg/h	R23	500 g/hr	0.274 kg/h	R32	100 g/hr	0.031 kg/h	3FE	2 kg/hr	0.0084 kg/h	R125	100 g/hr	0.0015 kg/h	R22	100 g/hr	0.0112 kg/h
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	A2 Waste Acid Stack		
	Emission	Permit Limit	Average Weekly emission from 01/01/2023 to week ending 09/07/2023
	TFE	2 kg/hr	0.0164 kg/h
	HFP	2 kg/hr	0.0026 kg/h
	R22	800 g/hr	0.1981 g/h
	AGC propose to use the average weekly emission identified above for the missed air emission monitoring from w/e 16/07/2023 for A1 and A2. There was no abnormal operation of the plant w/e 16/07/2023.		
Measures taken, or intended to be taken, to stop any emission	n/a		
Description of the failure or accident	On 07/07/2023 an engineer attended site to install new GC-MS instruments and update software on existing GC-MS instruments. During this planned work there were no available GC-MS instruments to undertake emission monitoring. Note, A1 and A2 emissions monitoring results were already obtained 03-06/07/2023 hence complaint with weekly permit monitoring requirements for w/e 09/07/2023. Due to unexpected issues the updating of the software and installing new GC-MS equipment A1 and A2 emissions monitoring was not undertaken for the week ending 16/07/2023.		

Name*	
Post	
Signature	
Date	20/07/2023

*authorised to sign on behalf of AGC Chemicals Europe