



Element, Unit C6, Emery Court, The Embankment Business Park, Heaton Mersey, Stockport, SK4 3GL

Your Element Contact: [REDACTED]

Site Specific Protocol (SSP) Commissioned by

AGC Chemicals Europe Ltd

Installation Name & Address

AGC Chemicals Europe Ltd
Hillhouse International
Fleetwood Road North
Thornton-Cleveleys
FY5 4QD

EPR Permit: EPR/BU5453IY/V004

Dates of the Proposed Monitoring Campaign

TBC

SSP Reference Number

A7 Method

Release Point References

A7 SLG / SRU Emission Point

Report Written by

Report Date & Version

11th Decmber 2023 , Version 1

Report Approved by

[REDACTED]
Site Manager
MCERTS Level 2
MM 07 861
TE1 TE2 TE3 TE4

Signature of Report Approver (Element)

Name of Client

I confirm that I have read and understood the sampling protocol contained in this report, that the sampling location complies with the requirements of all relevant legislation, and I am happy for the sampling to proceed.

Date of Client Approval

Signature of Client (for SSP Approval)

SSP Part 1

CONTACT DETAILS, MONITORING DATES & PERSONNEL

This SSP (Site Specific Protocol) will be updated, if required to include feedback from each visit.

Operator Contact Details

Operator Name	AGC Chemicals Europe Ltd
Site Location	Lancashire
Full Installation Address	Hillhouse International Fleetwood Road North Thornton-Cleveleys FY5 4QD
EPR Permit	EPR/BU5453IY/V004

	Primary Site Contact	Alternative Site Contact
Contact Name		
Telephone Number		
Fax Number	-	-
Mobile Phone Number		-
Email Address		

Monitoring Dates

Dates of Previous Campaign	45261
Job No. of Previous Campaign	EMT07972
Planned Dates of Campaign	TBC

(If the Planned Dates of the Campaign change at late notice, the SSP will not be re-issued. The final test report will detail the actual monitoring dates.)

Analysis Laboratories (with short name reference as referenced in Part 2 of the SSP)

Element Deeside (ELD)	ISO17025 Accreditation Number: 4225
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Stack Emissions Monitoring Personnel

where SCM = Site Campaign Manager

	Position	Name	MCERTS Accreditation	MCERTS Number & Expiry Date	Technical Endorsements
SCM	Team Leader	TBC	TBC	TBC, TBC	TBC
	Team Leader	TBC	TBC	TBC, TBC	TBC

Element Site Campaign Manager Contact Details

Name	Mobile Phone Number	Email Address
TBC	TBC	TBC

Further Notes on Stack Emissions Monitoring Personnel

There may be, in exceptional circumstances, a need to change the personnel who will be performing the monitoring. If this was to occur, the sampling team sent to site will hold all the necessary MCERTS Technical Endorsements for the required tests. As this scenario would most likely happen at late notice, the SSP will not be re-issued. The names of the monitoring personnel will be available to the client on the day of sampling (or before if required for inductions / site security / permits to work). The names of the monitoring personnel along with their personal MCERTS accreditation details will also be detailed in the final test report.

SSP Part 2

DETAILS OF MONITORING: STACK AND LOCATION DETAILS

Release Point Reference	A7 SLG / SRU Emission Point
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Sampling Location and Stack Photos



Operating & Process Information	Details
Type of Process	Process Extraction
Batch or Continuous Process	Batch
Feedstock / Fuel Type	TBC
Load / Throughput / Continuous Rating of Plant	To be supplied at time of monitoring
Expected Velocity, Temperature & Moisture	TBC m/s TBC °C TBC % v/v
Details of Abatement System	N/A
Details of any CEMS Installed (including DCS)	GC FID
Process Details Required	Operating conditions to be Provided by Site Contact
Reference Conditions 1	273K, 101.3kPa, without correction for water vapour content.
Reference Conditions 2	N/A

Sampling Location Details	Value	Details
Stack Type / Shape	Circular	
Diameter / Dimensions (m)	0.16	
Access	Ladder	
Platform Type and Location	Scaffold	Outside - no shelter
Orientation of Duct	Vertical	
Sample Port Size / Diameter	2" BSP	
Sample Port Depth (cm)	TBC	
Sample Ports Correctly Located?	Yes	
Number of Sampling Lines Available	1	
Number of Sampling Lines to be Used	1	
Number of Sample Points to be Used (per line)	1	
Total Number of Sample Points to be Used	1	
EN 15259 / Homogeneity Representative Point/s	-	N/A
Availability of Utilities	Power	110V
	Lighting	Yes
	Water	No

EA Guidance / EN 15259 Platform Requirements	Value
Sufficient working area to manipulate probe and operate the measuring instruments	Yes
Platform has 2 levels of handrails (approx. 0.5m & 1.0m high)	Yes
Platform has vertical base boards (approx. 0.25m high)	Yes
Platform has chains / self closing gates at top of ladders	Yes
There are no obstructions present which hamper insertion of sampling equipment	Yes
Safe Access Available	Yes
Easy Access Available	Yes

Sampling Platform / Improvement Recommendations:
All platforms should be designed in accordance with the requirements in the Environment Agency's Technical Guidance Note M1 and EN 15259.

Sampling Plane Validation Criteria		
Requirement	Value	Compliant
Lowest Differential Pressure (Pa)	NA	Yes
Ratio of Gas Velocities (:1)	NA	No
Maximum Angle of Swirl (°)	NA	No
No Local Negative Flow	NA	

SSP Part 2

DETAILS OF MONITORING: SAMPLING METHOD INFORMATION

Release Point Reference **A7 SLG / SRU Emission Point** (continued)

In the "Units" column, ¹ = Reference Conditions 1, ² = Reference Conditions 2

PERIODIC SAMPLING: MANUAL METHODS															
Determinand	Number of Runs Blanks		Units	Emission Limit	Expected Emission	Projected LOD	Standard Reference Method	Element Technical Procedure	Absorption Media / Analysis Technique	Analysis Lab ISO17025 status	Sample Duration (mins)	Sample Flowrate (ACTUAL) (l/min)	Sample Volume (REF) (m³)	Projected MU (%)	Status of Testing
PFBA / PFHxA	1	1	¹ ug/m3	N/A	0.0040	TBC	Based on EN 1911	Based on MD 011	H ₂ O / LCMSMS	ELD None	360	18	6.480	TBC	None
Water Vapour	1	N/A	¹ % v/v	N/A	1.30	0.100	EN 14790	MD 005	Gravimetric	EET MCERTS	360	N/A	N/A	5%	MCERTS
Velocity	1	N/A	¹ m/s	N/A	TBC	3.000	EN ISO 16911-1	MD 041	Pressure & Temp	EET MCERTS	N/A	N/A	N/A	10%	MCERTS

PERIODIC SAMPLING: INSTRUMENTAL METHODS															
Determinand	Number of Runs		Units	Emission Limit	Expected Emission	Projected LOD	Standard Reference Method	Element Technical Procedure	Equipment Used	Measurement Technique	Sample Duration (mins) Logging Interval (s)	Span / Check Gas Type & Conc.	Range During Testing	Projected MU (%)	Status of Testing

Velocity Profile - No Traverse Data Available

Line A			
Pt	ΔP Pa	Temp °C	Velocity m/s
1	U	U	U
2	U	U	U
3	U	U	U
4	U	U	U
5	U	U	U
6	U	U	U
7	U	U	U
8	U	U	U
9	U	U	U
10	U	U	U

where U stands for 'Unknown' due to there being no traverse data available

Monitoring Objectives / Unusual Occurrences / Comments / Health & Safety / Expected Deviations from Standard Reference Methods

1	Perform testing of an investigative nature under trial operation
2	Due to the small diameter of the duct, the isokinetic rate will be based on the preliminary velocity profile
3	N/A
4	N/A

SSP Part 3

DEVIATIONS FROM THE SSP THAT MAY HAVE OCCURED ON SITE DURING THE SAMPLING CAMPAIGN

Make a note of any deviations from this SSP below:

(Deviations may include: modification to a sampling duration, removal of a test, change to the number of sampling runs etc.)

DRAFT

At the end of the sampling campaign, the Team Leader must select one of the statements below and complete the required boxes:

- (1) I certify that all testing performed for this sampling campaign followed the testing programme as detailed in this SSP, and no deviations (unless specified in the original SSP and approved by the client) were required.

<input style="width: 40px; height: 30px;" type="checkbox"/> (tick)	Signature of Team Leader	Date of Signature

- (2) It was necessary to deviate from the testing programme as detailed in this SSP. All deviations are listed above. The client was informed of the deviations and was happy for the testing to proceed / continue on this basis.

(A client signature MUST be obtained for Contract Review purposes)

<input style="width: 40px; height: 30px;" type="checkbox"/> (tick)	Signature of Team Leader	Date of Signature	Signature of Client	Date of Signature