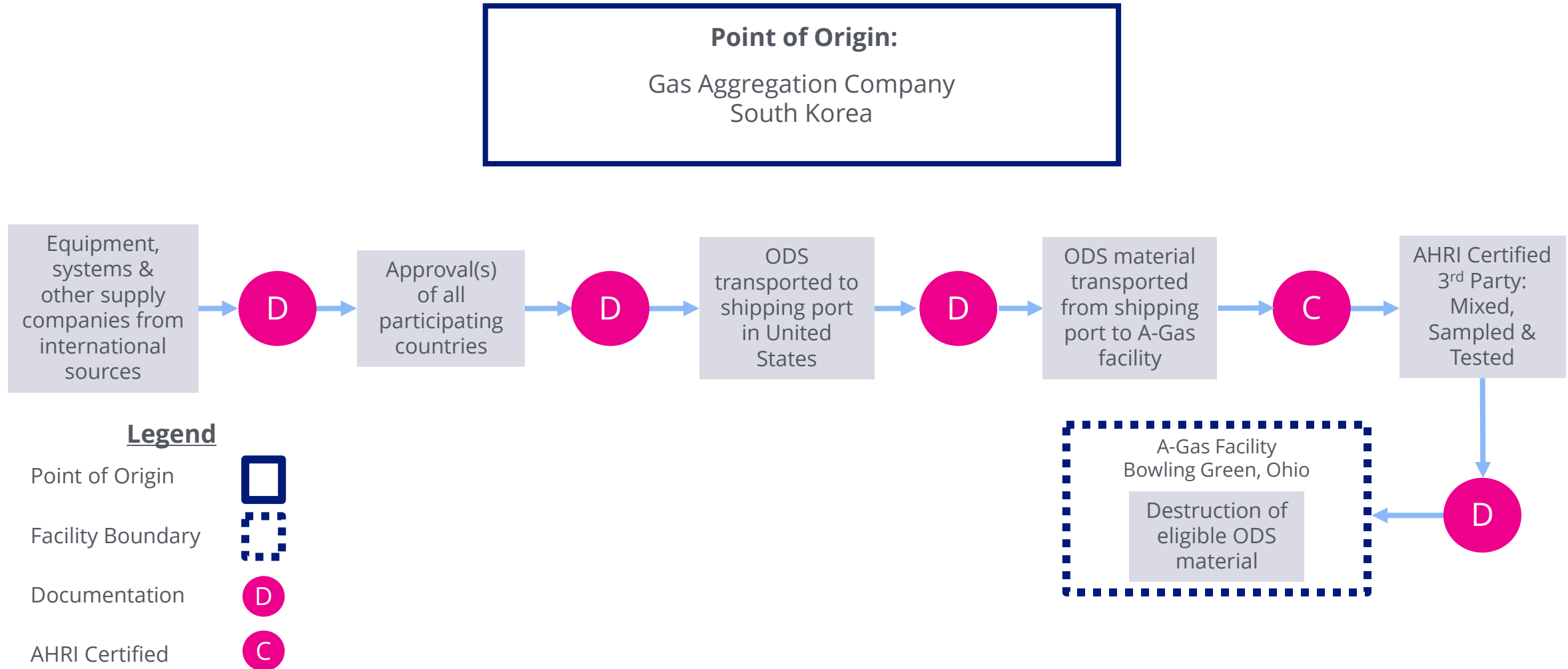


Appendix A: Destruction Project Diagram

International ODS Destruction Project Name: A-Gas – South Korea 1

Project Reporting Period: 11/01/2022 – 11/16/2022



Appendix B: Certificate of Destruction



1100 Haskins Road, Bowling Green, OH 43402 419-867-8990

CERTIFICATE OF DESTRUCTION

Developer of ODS Destroyed	A-Gas	Generator	A-Gas
	1100 Haskins Rd.	Name	N/A
	Bowling Green, OH. 43402		
Certificate ID/PO#:	Plas- 1198	Manifest #:	N/A
		Destruction Unit :	PDU1
Generator EPA ID:	N/A	Container ID#:	5002

The following Quantity of mixed Ozone Depleting Substances were destroyed:

Profile ID/Description: A-Gas	
Batch Number:	Plas- 1198
Date started:	11/1/22
Date Complete	11/16/22
Starting Batch Weight:	25,640.0 lbs
Ending Batch Weight:	240.0 lbs
Residue / Oil Weight:	0.0 lbs*
Total weight destroyed:	25,400.0 lbs.

*Product not destroyed by Plascon
To be disposed of separately

I certify that A-Gas is in possession of and operates a licensed plasma arc destruction facility, and it operates in accordance with the Destruction and Removal Efficiency and emission guidelines set forth in the Montreal Protocol Technology Assessment Panel (TEAP), Task Force for Destruction Technologies, final report dated April 2002. Based upon testing of the technology in September 18, 2019, the destruction guidelines achieved are certified to be met or exceed TEAP requirements:

The sample was analyzed by GC/MS to identify the compounds present. The sample was analyzed by GC/FID to quantify the amount of each compound present. The sample contains R-12: 79.90%, R-134a: 13.68%, R-22: 5.25%, R-142b: 0.55%, R-152a: 0.17%, R-113: 0.08%, R-115: 0.06%, R-11: 0.04%, R-124: 0.04%, R-143a: 0.04%, R0600a: 0.03%, R-114: 0.02%, R-125: 0.09%, R-32: 0.03%.

I certify that to the best of my knowledge, the above described material was destroyed in compliance with all applicable laws, regulations, permits, and licenses during the period listed above.

Signature: Zachary Babb

Date: 11/16/2022

Appendix C: Emission Reduction Calculation Summary

Completed By: Briana Reinke

Date: 11/18/2022

Reviewed By: Zach Babb

Date: 11/18/2022

Project: A-Gas South Korea 1
 Plas Number: 1198
 Reporting Period: 11/1/22 - 11/16/22
 Sample ID: LB00274UN

Total Emission
 Reductions 88,945.35

Weight Tickets and COD information

Weight In (lbs)	Weight Out (lbs)	ODS	ODS + Oil
25640	240	25400	25400.0
COD Weight	25400		

HBR Concentration (%)	HBR Weight (lbs)	Moisture PPM	Moisture Weight (lbs)
0.090%	22.86	19	0.4826

Final Weight for Calcs 25377

ER Calculations

ODS Species	% of total	Q (lbs)	Q (MT)	ER	GWP	BE
Total	100%	25,377	11.51			
CFC-11 (R-11)	0.04%	10	0.00	89%	4,750	19
CFC-12 (R-12)	79.90%	20276	9.197	95%	10,900	95,235
CFC-13 (R-13)	0.00%	0.00	0.00	61%	14,400	0
CFC-113 (R-113)	0.08%	20.30	0.01	89%	6,130	50
CFC-114 (R-114)	0.02%	5.08	0.00	78%	10,000	18
CFC-115 (R-115)	0.06%	15.23	0.01	61%	7,370	31
		20,327	9.22			

Total Baseline Emissions 95,353.31

Project Emissions

Transportation and Destruction

Q (MT, total)	EF	T+D Emissions
11.52	7.5	86

Emissions from Substitute Refrigerants

ODS Species	Q (MT)	Sub EF	SE
CFC-11 (R-11)	0.00	223	1
CFC-12 (R-12)	9.20	686	6,309
CFC-13 (R-13)	0.00	7,144	0
CFC-113 (R-113)	0.01	220	2
CFC-114 (R-114)	0.00	659	2
CFC-115 (R-115)	0.01	1,139	8

Total Project Emissions 6,407.96

Total ER 88,945.35