REPORT OF TEST

SGS U.S. Testing Company Inc.
1341 North 108th East Avenue
Tulsa, OK 74116
Tel: 918-437-8333
Fax: 918-437-8487

CLIENT: Emissions Technology, Inc.
P.O. Box 471916
Tulsa, OK 74174

Attn: Clark Daywalt

SUBJECT: Efficiency testing of ECO Systems by use of a methane source.

REFERENCE: Verbal 5/2/97.

SAMPLE ID: Client refers to the sample as "ECO System, Model ECO-2".

PROCEDURE: The testing procedure used a flow meter, monitoring methane flow, to measure the temperature of a gas brooder. With a thermal couple located in the brooder, the temperature of the flame was evaluated in comparison to methane flow. Tests were recorded with and without the sample ECO System in line with the brooder.

RESULTS: The results are on the following pages.

TEST DATE: 5/06/97.

Eric Hundley, Engineer

bk

Signed for the Company

Dale E. Holloway
Tulsa Branch Director

REPORT OF TEST

SGS U.S. Testing Company Inc.

Client: Emissions Technology, Inc.

RESULTS:

Brooder Temperature Test Standard Installation

Sample Number	Measurement (SCFH air)	Temperature (°C)	Flow Rate (ft^3/min)	Flow Rate (BTU/hr)
1	6.0	900	0.134	8840
2	10.0	1050	0.224	14800
3	14.0	1110	0.313	20600
4	18.0	1145	0.403	26600

Brooder Temperature Test With ECO System

Sample Number	Measurement (SCFH air)	Temperature (°C)	Flow Rate (ft^3/min)	Flow Rate (BTU/hr)
1	6.0	925	0.134	8840
2	10.0	1060	0.224	14800
3	14.0	1135	0.313	20600
4	18.0	1160	0.403	26600

REPORT OF TEST

SGS U.S. Testing Company Inc.

Client: Emissions Technology, Inc.

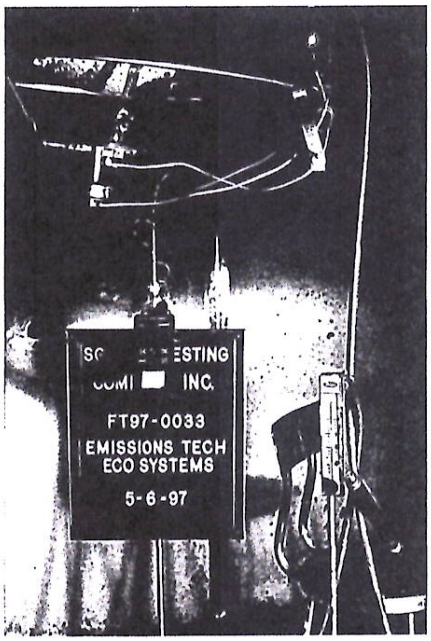
CONCLUSION:

Three temperature points were evaluated for flow differences made with the ECO System and without. These points are evaluated in terms of flow difference and percent efficiency difference.

EVALUATED TEMPERATURE POINTS

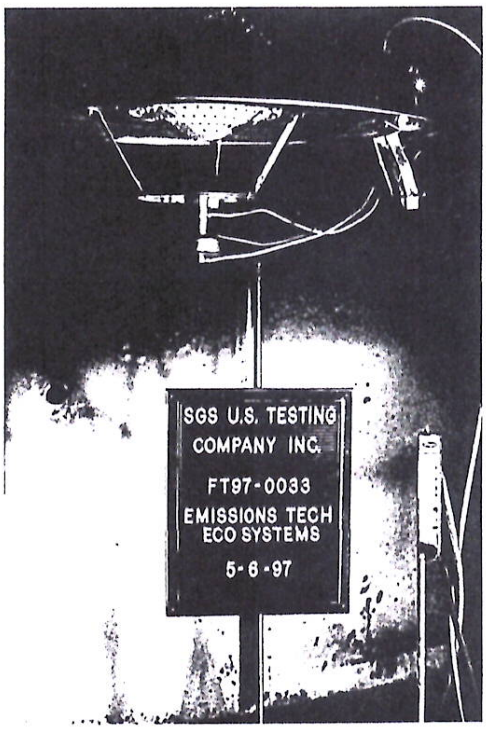
Sample	Temperature (^oC)	Flow Difference (ft^3/min / BTU/hr)	Efficiency Difference (%)
1	925	.0150 / 990	11.2
2	1110	.0298 / 1967	9.6
3	1150	.0530 / 3490	12.7
		AVERAGE - 2150 BTU/hr	11.2 %

REPORT OF TEST



Standard Brooder with ECO System Installed

REPORT OF TEST



Standard Brooder without ECO Set-up

****END OF REPORT****