



Analysis / Test Report

Report to : Siam Synthetic Latex Co., Ltd.
10/1 Moo 2, Asia Industrial Estate,
Tambol Banchang, Amphur Banchang,
Rayong Thailand 21130

Project Name : Environment Monitoring
Monitoring

Location : AIE_SSLC-SE Plant

P/O : 4506941933

Receipt No :

Lot ID: 1870489

Date Received: Sep 06, 2018

Date Reported: Sep 17, 2018

Report No.:1182724-2

Sampling by: Apisit Sing-ha

Attn : Komgrit Chaladtham

Phone : 0-3892-5614

Fax : -

Email : CKomgrit@dow.com

CC Email : PPChaiyadej@dow.com

Page 1 of 1

Reference No.	1870489-1
Sample Description	Emission from Stationary Source
Location	Furnace (GPS 47P 0727375, 1404806)
Sampling Date	Sep 05, 2018
Date of Analysis	Sep 11, 2018

Stack Description

Ambient Temperature	29 °C	Diameter	1.57 m	Oxygen	3.52 %
Ambient Pressure	756 mmHg	Shape	Circle	Carbon dioxide	11.20 %
Type of Process	Combustion	Stack Temperature	245 °C	Gas Velocity	7.22 m/s
Type of Fuel	Natural Gas	Moisture	13.49 %	Flow Rate	24870 Nm ³ /hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)	
				at Actual O ₂	At 7% O ₂
1	11:00 AM - 11:20 AM	3.55	11.19	9.58	7.68
2	11:21 AM - 11:41 AM	3.51	11.21	9.90	7.91
3	11:42 AM - 12:02 PM	3.51	11.20	9.85	7.88
Average		3.52	11.20	9.78	7.82
Guideline ^{1/} (ppm)				-	200
Guideline ^{2/} (ppm)				-	42
Result (mg/m ³)				18.40	14.72
Emission Rate at Actual O ₂ (g/s)				0.1271	
Guideline ^{2/} (g/s)				0.57	
Method				US EPA Method 7E	

Guideline : ^{1/}Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

^{2/}Emission Air Standard according to EIA study of SSLC-SE Plant, Approval Letter No. Tor Sor 1009.9/757 dated January 25, 2012 (B.E. 2555)

Technical Management

Wichan Choonharat
Assistant Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittrantont
Acting General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Rayong 21130
Attn: Komgrit Chaladtham
Phone: 0-3892-5614 Ext.
Fax: - Ext.
Email: CKomgrit@dow.com

Project Name: Environmental Quality
Monitoring
Location: AIE_SSLC-SE Plant
P/O: 4506941933
Receipt No:
Cc: Pinpinat Chaiyadej
Cc. Email: PPChaiyadej@dow.com

Lot ID: 1870500
Date Received: Sep 06, 2018
Date Reported: Sep 14, 2018
Report Number: 1182727-1C1
Sampled by: Warawut Pubpa

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Reference Number 1870500-1
Sample Description Emission from Stationary Source
Location บริเวณส่วนมันแห้ง (Spin Dryer) (47P 0727474, 1404813)
Condition of Sample Extracted into one 10-L air sampling bag
Sampling Date Sep 05, 2018
Date of Analysis Sep 07, 2018

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.82	m	Oxygen	20.9	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	0.00	%
Type of Process	Process		Stack Temperature	26.0	°C	Gas Velocity	9.4	m/s
Type of Fuel	-		Moisture	5.24	%	Flow Rate (Actual O2)	16741	Nm3/hr

Analyte	Sampling Time	Result	Unit	Method
Air Testing				
Total Hydrocarbon as Propane	02.00 PM - 02.10 PM	3.4	ppm	Total Hydrocarbon Analyzer, Based on US EPA Method 25A

Technical Management

Narumon Banchongkit
Scientist (4)

Approved by

Wilawan Borirak
Section Head

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 Tambol Banchang, Amphur Banchang,
 Rayong 21130
Attn: Komgrit Chaladtham
Phone: 0-3892-5614 Ext.
Fax: - Ext.
Email: CKomgrit@dow.com

Project Name: Environmental Quality
 Monitoring
Location: AIE_SSLC-SE Plant
P/O: 4506941933
Receipt No:
Cc: Pinpinat Chaiyadej
Cc. Email: PPChaiyadej@dow.com

Lot ID: 1870503
 Date Received: Sep 06, 2018
 Date Reported: Sep 14, 2018
 Report Number: 1182728-1C1
Sampled by: Warawut Pubpa

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Reference Number 1870503-1
Sample Description Emission from Stationary Source
Location บริเวณถังเก็บกากผลิตภัณฑ์ (Silo) (GPS 47P 0727478, 1404835)
Condition of Sample Extracted into one 10-L air sampling bag
Sampling Date Sep 05, 2018
Date of Analysis Sep 07, 2018

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.24 x 0.76	m	Oxygen	20.9	%
Ambient Temperature	31.0	°C	Shape	Rectangular		Carbon Dioxide	0.00	%
Type of Process	Process		Stack Temperature	30.8	°C	Gas Velocity	17.2	m/s
Type of Fuel	-		Moisture	6.47	%	Flow Rate (Actual O2)	10301	Nm3/hr

Analyte	Sampling Time	Result	Unit	Method
Air Testing				
Total Hydrocarbon as Propane	01.30 PM - 01.40 PM	3.4	ppm	Total Hydrocarbon Analyzer, Based on US EPA Method 25A

Technical Management

Narumon Banchongkit
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