

Dy. Manager (A.C.)
Form No. 91
25/6/16
Dy. Manager (PM)

Assam Petrochemicals Ltd.
Technical Service Deptt.

Receipt No. *94*
Date *27/6/16*

682
27/6/16



POLLUTION CONTROL BOARD, ASSAM
BAMUNIMADAM, GUWAHATI-21

**Analysis Report of Stack Monitoring Samples collected from M/s. Assam Petrochemical Ltd., Namrup,
Dibrugarh, Assam.**

Report No.: SE-56/16

Date: 25/4/2016

Date of Monitoring	Source	Stack Temp' (°C)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	PM (mg/Nm ³)	CO (mg/Nm ³)	Remarks
11.03.2016	Chimney attached to Boiler	135	4	102	-	7	Gas based

Emission Standards

Sl. No.	Parameter	Fuel Type	Limiting concentration in mg/Nm ³
1.	SO ₂	Gas	50
2.	NO _x	Gas	350
3.	PM	Gas	10
4.	CO	Gas	150

R. B. Barua

Chief Env. Scientist

Annexure - I



POLLUTION CONTROL BOARD, ASSAM
BAMUNIMADAM, GUWAHATI-21

Analysis Report of Ambient Air Quality Monitoring sample
collected from M/s. Assam Petro-Chemical Ltd., Namrup, Assam

Report No.: AA-18/2016

Dated: 25/4/2016

Sl. No.	Date of Monitoring	Place/Location	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	Weather	Remarks
1.	11.03.2016	Guest House, APCL	2.0	17.00	45.00	Cloudy/ Rainy	

Standards for Ambient Air Quality in µg/m³

Sl. No.	Pollutant	Time Weighted Average	Conc. in Ambient Air
			Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂)	24 Hours	80
2	Nitrogen Dioxide (NO ₂)	24 Hours	80
3	Particulate Matter (Size < than 10µm) or PM10	24 Hours	100


Chief Env. Scientist

POLLUTION CONTROL BOARD, ASSAM
BAMUNIMADAM, GUWAHATI-21



Report on Noise Level Monitoring conducted in and around M/s Assam Petro-
Chemical Ltd., Namrup, Assam.

Report No.: AN-24/2016

Dated: 25/4/2016

Date of Monitoring	Location	Approx. distance from source	Noise Level in dB(A) in Leq	Remarks
11.03.2016	At Guest House	250 m from plant	64.3	Plant is in operation
	Near ETP	100 m from plant	72.1	

*All data are collected during day time.

Noise (Ambient Standards) in dB(A):

During day time (in between 6.00 AM & 10PM)		During night time (in between 10.00 PM & 6.00 AM)	
Industrial Zone	75	Industrial Zone	70
Commercial Zone	65	Commercial Zone	55
Residential Zone	55	Residential Zone	45
Silence Zone	50	Silence Zone	40

CHIEF ENV. SCIENTIST
CENTRAL LABORATORY,
POLLUTION CONTROL BOARD, ASSAM

AMBIENT AIR QUALITY TEST RESULTS

M/s Assam Petro - Chemicals Limited

Namrup; PO: Parbatpur

Dist: Dibrugarh

Assam

(NOVEMBER - 2015)

Report Ref. No. : ENV/APL/Namp/AAQ/03/2015,

Dated: 14.11.2015

Analysis Protocol : IS 5182

Location ↓	Date of Sampling	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM 10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
Limits →	--	60	100	80	80	4.0
Near APL Hospital	03.11.2015	10.4	41.8	11.2	ND	ND
Residential Area (Near Guest House)	04.11.2015	17.2	49.7	08.3	ND	ND
Near Methanol Plant	03.11.2015	26.5	69.7	17.4	08.4	ND

Sampled By	Mr. Bidyut Kalita Mr. Jishu Biswas
Instrument Used	PM 2.5 Sampler with Gaseous Attachment Make: ECOTECH, Delhi

ND: Not Detected



Checked By: Bivash Mahanta, ENVIROCON

NOTE:	<ol style="list-style-type: none"> Results reported are valid at the time of and under the prevailing conditions of measurement. Results refer only to the particular parameters tested. This test report shall not be reproduced except in full without the written permission of ENVIROCON, Digboi Stores Building, New Market, Digboi - 786171, Assam.
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SOIL TEST RESULTS

M/s Assam Petro- Chemicals Limited
Namrup; PO: Parbatpur
Dist: Dibrugarh
Assam

(NOVEMBER - 2015)

Report Ref. No. : **ENV/APL/Namp/Soil/03/2015**, Dated: **14.11.2015**
Sampling Point : Near Methanol Tank Yard
Collection Date : 04.11.2015

Sl. No.	Parameters	Unit	Results
01	pH (10% solution)	--	6.31
02	Electrical Conductivity	mmhos/cm	1.24
03	Moisture Content	%	33.6
04	Organic Carbon	%	1.51
05	Chloride (as Cl)	ppm	163
06	Sulfate (as SO ₄)	ppm	48
07	Iron (as Fe)	ppm	0.87
08	Calcium (as Ca)	ppm	63
09	Magnesium (as Mg)	ppm	49
10	Sodium (as Na)	ppm	108



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BOILER STACK EMISSION TEST RESULTS

M/s Assam Petro- Chemicals Limited
Namrup; PO: Parbatpur
Dist: Dibrugarh
Assam

(NOVEMBER - 2015)

Report Ref. No.: ENV/APL/Namp/STK/BL/03/2015;		Dated: 14.11.2015	
<i>Sample Type</i>	Flue Gas		
<i>Date & Time of Sampling</i>	03.11.2015, 12:30 pm to 1:30 pm		
<i>Sample Collected From</i>	Stack attached to Boiler ID Fan		
PHYSICAL INSPECTION REPORT OF THE STACK			
<i>Material of Construction</i>	M.S.		
<i>Shape of the Stack</i>	Circular		
<i>Height of the Stack (Mtr.)</i>	30		
<i>Platform & Ladder</i>	Permanent Ladder Attached to the Stack		
<i>Height of the Sampling Point from Ground Level</i>	7.30 Mtr.		
<i>Fuel Used</i>	Natural Gas		
RESULTS OF STACK MONITORING			
Sl. No.	Parameters	Analysis Protocols	Results
01	Flue Gas Temp. (°C)	IS 11255; Part 3	142
02	Flue Gas Velocity (m/sec)	IS 11255; Part 3	7.6
03	Particulate Matter (mg/Nm ³)	IS 11255; Part 1	14.3
04	SO ₂ (ppm)	IS 11255; Part 2	07
05	NO _x (ppm)	IS 11255; Part 7	77
06	CO (ppm)	IS 13270	19
07	CO ₂ % (v/v)	IS 13270	3.7
08	O ₂ % (v/v)	IS 13270	10.1
Pollution Control Device Attached to the Stack: NIL			



Checked By: Bivash Mahanta, ENVIROCON

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VOC TEST RESULTS

M/s Assam Petro - Chemicals Limited

Namrup; PO: Parbatpur

Dist.: Dibrugarh

Assam

(NOVEMBER - 2015)

Report Ref. No. : ENV/APL/Namp/VOC/01/2015, Dated: 14.11.2015

Location ↓	Date of Sampling	VOC (ppm)	HC (ppm)
Near APL Canteen	04.11.2015	ND	ND
Near Compressor House	04.11.2015	ND	ND

Sampled By	Mr. Bidyut Kalita Mr. Jishu Biswas
Instrument Used	VOC Analyser, VOC-700 Make: ENDEE Engineers, Mumbai

ND: Not Detected



Checked By: Bivash Mahanta, ENVIROCON

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