

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:

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3. This test report shall not be reproduced except in full without the written permission of ENVIROCON, Digboi Stores Building, New Market, Dighoi - 786171, Assam.

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	
Sample Type		Flue Gas	
Date & Time of Sampling		03.11.2015, 12:30 pm to 1:30 pm	
Sample Collected From		Stack attached to Boiler ID Fan	
PHYSICAL INSPECTION REPORT OF THE STACK			
Material of Construction		M.S.	
Shape of the Stack		Circular	
Height of the Stack (Mtr.)		30	
Platform & Ladder		Permanent Ladder Attached to the Stack	
Height of the Sampling Point from Ground Level		7.30 Mtr.	
Fuel Used		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/Nm³)	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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SOIL TEST RESULTS

M/s Assam Petro- Chemicals Limited
Namrup, PO: Barbatpur
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




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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ENVIRONMENTAL STATEMENT FORM-V (See rule 14)

Environmental Statement for the financial year ending with 31st March, 2016

PART-A

i. *Name and address of the owner/ occupier of the industry /operation or proces:*

Mr.Ratul Bordoloi, Managing Director, Assam Petro-Chemicals Ltd., Namrup, P.O.: Parbatpur, Dist.: Dibrugarh (Assam).

ii. *Industry category Primary-(STC Code) Secondary- (STC Code):*

Red category.

iii. *Production category – Units- Red.*

iv. *Year of establishment :* 1976.

v. *Date of the last environmental statement submitted:* Environmental

Clearance (EC) received on 19 May, 2014 vide letter No. F.No.J-11011/469/2011-IA II (I).

PART-B

Water and Raw Material Consumption:

i. *Water consumption in m³/d for (for existing/proposed)*

Process : 645/1200.

Cooling : 793/39600.

Domestic : 1821.

For Existing plant:

Name of Products	Process water consumption per unit of products	
	During the previous year	During the current financial year
1. Methanol	1. 9.42 m ³ /M.T.	1. 8.52 m ³ /M.T.
2. Formalin	2. 6.97 m ³ /M.T.	2. 6.74 m ³ /M.T.

For Proposed plant:

Name of Products	Process water consumption per unit of	
	During the previous	During the current financial year
1. Methanol	Not Applicable	Not Applicable
2. Acetic Acid		

ii. *Raw material consumption*

For Existing plant:

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
1. Natural Gas (NG)	Methanol/Formalin	1. 1141 NM ³	1. 1156 NM ³
2. Electricity		2. 457 KWH	2. 434 KWH

For Proposed plant:

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
1. Natural Gas (NG)	Methanol/Acetic Acid	Not Applicable	Not Applicable
2. Electricity			

** Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.*

PART-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

For Existing plant:

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage variation of prescribed standards from with reasons.
(a) Water	--	As given in Annexure I	Nil
(b) Air	--	As given in Annexure I	Nil

For Proposed plant:

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage variation of prescribed standards from with reasons.
(a) Water	--	Not Applicable	Not Applicable
(b) Air	--		

PART-D

HAZARDOUS WASTES

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

For Existing plant:

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
1. From Process	1. 1.6 MT	1. 1.6 MT
2. From Pollution Control Facilities	2. Not applicable.	2. Not applicable.

For Proposed plant:

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
1. From Process		
2. From Pollution Control Facilities	Not Applicable	Not Applicable

SOLID WASTES:**PART - E**

For Existing plant:

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
a. From process	Nil	Nil
b. From Pollution Control Facility	Nil	Nil
c. Quantity recycled or re-utilised within the unit.	Nil	Nil

For Proposed plant:

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
a. From process	Not Applicable	Not Applicable
b. From Pollution Control Facility		
c. Quantity recycled or re-utilised within the unit.		

PART - F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

As given in Annexure -III (for Existing plant).
Not applicable (for Proposed plant).

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

Budgetary allocation for Environmental Management and pollution control systems for the proposed Integrated project is Rs. 9 crores as capital cost.

PART –I

MISCELLANEOUS:

Any other particulars In respect of environmental protection and abatement of pollution.

FORM 3

(See rule 5 (6), and 22 (1))

FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS WASTES BY THE OCCUPIER OR OPERATOR OF A FACILITY

1. Name and address of the occupier or operator of a facility :

Sri Ratul Bordoloi,
Managing Director,
Asian Petrochemicals Ltd., Nainrup

2. Date of issuance of authorization and its reference number : WB/OTWA/HW-82/05-06/25, dtd 16-12-2011.

3. Description of hazardous waste :

Physical form with description	Chemical form	Total weight (in Kg)
Liquid dark coloured spent Lube Oil	inactive	1.600 MT

4. Description of storage and treatment of hazardous waste :

Date	Method of storage of hazardous wastes	Date	Method of treatment of hazardous wastes
31-03-2015	Hazardous wastes such as Spent Lube oil are stored in M.S. drums in a Co-down facility inside the factory which is a safe distance from the operational area.	31-03-2015	NA

5. Details of transportation of hazardous waste :

Name and address of the consignee or recipient	Mode of packing of the waste for waste for transportation	Mode of transportation to site Of disposal	Date of Transportation
NA	NA	NA	NA

6. Details of disposal of hazardous waste :

Date of disposal	Concentration of hazardous constituents in the final waste form	Site of disposal (Identify the location on the relevant town drawing for reference)	Method of disposal	Persons involved in disposal
NA	NA	NA	NA	NA