adani™

Ref No. EHS/GPCB/HO/Env. St/14-15 **June26, 2015**

To,
Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan,
Sector-10-A, Gandhinagar-382010

Dear Sir,

Kind Attn. Sh. Hardik Shah

Sub: Environmental Statement for the financial year ending 31st March, 2015 for M/s **Adani Petronet (Dahej) Port Pvt. Ltd**

Ref: **PCB ID:- 31664 , Consent Order No. AWH-40224**

With reference to the above mentioned subject and reference, Please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for M/s **Adani Petronet (Dahej) Port Pvt. Ltd, At & Post Lakhigam, Taluka Vagra, District Bharuch** for the financial year ending 31st March 2015.

Thank you,

Yours faithfully,
For **Adani Petronet (Dahej) Port Pvt. Ltd**

Mr. B G Gandhi
(Authorized Signatory)

ADANI PETRONET (DAHEJ) PORT PVT. LTD. DAHEJ

Encl: As above.

Copy to:

1. The Regional Officer, Gujarat Pollution Control Board, Bharuch.

Adani Petronet (Dahej) Port Pvt Ltd
At & PO Lakhigam
Taluka Vagra, Via Dahej
Bharuch 392 130
Gujarat, India
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FORM V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March 2015

PART – A

(i)	Name and address of the Owner/ Occupier of the Industry Operation or Process	:	Capt. Anil Kishore Singh Chief Operating Officer Adani Petronet (Dahej) Port Pvt. Ltd. At & Post Lakhigam, Taluka Vagra, Dist. Bharuch(Gujarat)
(ii)	Industry Category Primary (STC Code) Secondary (STC Code)	: 	Red-Large NA NA
(iii)	Production Capacity	:	0.99 MMT/Month
(iv)	Year of Establishment	:	January 2004,
(v)	Date of last Environment Statement submitted	:	7th September, 2014

Environment Statement for 2014-15 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

PART – B

Water and Raw Material Consumption

(i) Water Consumption

Water Consumption Cu. Mtr./Day	
Process	Nil
Cooling	659.2 m3/day
Domestic	27.8 m3/day

Name of Products	**Process Water Consumption per unit of Product Output**	
	During the previous financial year (2013-14)	**During the current financial year (2014-15)**
Handling of Storage of Solid cargo	No process water consumption. 200151 m^3 of water consumption for dust suppression, firefighting & cooling (0.02 M3/MT)	No process water consumption. 240604 m^3 of water consumption for dust suppression, firefighting & cooling (0.02 M3/MT)

*** Unit does not go under any manufacturing process. The water consumed was mainly in firefighting, dust suppression, sprinkling and washing activities.**

(ii) Raw Material Consumption

Name of Raw Material	**Name of Products**	**Consumption of Raw Material per Unit of output**	
		During the previous financial year (2013-14)	**During the current financial year (2014-15)**
NIL*	Not Applicable	Nil	Nil

*** Unit does not go under any manufacturing process. The water consumed was mainly in firefighting, dust suppression, sprinkling and washing activities.**

Environment Statement for 2014-15 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

PART – C

Pollutants discharged to Environment/Unit of Output
(Parameters as specified in consent issued)

Pollutants	Quantity of pollutants discharged (Mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Nil*		
(b) Air	• DG sets are provided as standby power source and used during power failure. • The Height of D G Stacks as per CPCB/GPCB Standards. All the Monitored parameters are within Standards		
Particulate Matter (mg/Nm3)	Enclosed as Annexure 1		Nil
Sulphur Dioxide (PPM)			Nil
Nitrogen Oxide (PPM)			Nil

*** Unit does not go under any manufacturing process, as it is service industry (Port) engaged in Handling & Storage of general dry cargo. There is no effluent generation & disposal.**

There was approx. 18 Kl/day sewage generation. The sewage was treated in the Sewage treatment plant (STP) and treated water confirming to prescribed standards reused in gardening and plantation activities.

Environment Statement for 2014-15 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

PART – D

Hazardous Wastes	Total Quantity	
	During the previous financial year (2013-14)	During the current financial year (2014-15)
(a) From Process	Cat. 5.1 – 1,900 MT of Used Oil Cat. 33.3 – 45 Nos discarded barrels Cat. Nil - 840 Kg of oily cotton waste	Cat. 5.1 – 2,000 MT of Used Oil Cat. 33.3 – 40 Nos discarded barrels Cat. Nil - 1200 Kg of oily cotton waste
(b) From Pollution Control facilities	Nil	Nil

PART – E
Solid Waste

Scrap is collected in designated scrap yard & auction to scrap vendor.

PART - F

Please specify the characterization (in terms of Composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

- Approx. 2.0 MT Used/Waste Oil was generated from various maintenance activities which was collected in Barrels kept in covered hazardous waste storage area & sold to GPCB authorized registered recycler.
- Approx. 1200 Kg Cotton waste (Oily rags) generated from site the same was packed in HDPE bags and stored in Hazardous waste Storage area for sending and disposing at GPCB Authorized CHWIF site of M/s Bharuch Enviro Infrastructure Ltd. (BEIL), Ankleshwar.
- The used batteries stored in Hazardous waste storage area and will be disposed of through approved vendor.

PART – G

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

Unit has installed 25 M3/Day capacity Sewage Treatment Plant for treatment of the Sewage water and Effluent being generated at site. The treated water is being reused within port premises. Unit has completed mangroves plantation in 100 ha area near village Malpur,

Jambusar, Bharuch sea cost. Unit has formed dedicated Horticulture department & developing green belt within port premises. Plantation of 2.0 Ha area carried out during FY 14-15.

PART – H

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

- Unit is doing Regular Environmental Monitoring of Port & surrounding area through reputed NABL certified Laboratory. All the required environmental parameters are well within specified limit & the details of monitored data is regularly submitting to GPCB.
- Unit has installed STP and ETP for the treatment of the Sewage water the treated water is reusing for plantation & gardening activities. Unit has also provided dump pond and conveyance channel for collection of runoff generated from Coal Yard.
- Unit has provided Sprinklers at coal yard & conveyer system and carrying out regular water spreading to control the dust exposure. Wind breaking wall is provided around the periphery of Coal Yard.
- Unit has formed dedicated Horticulture department & developing green belt within port premises.
- Unit has procured and using 2 nos of high capacity vacuum type road sweeping machine used 24X7.
- Community awareness drive on World Forest Day celebration at nearby villages.

PART – I

Any other particulars for improving the quality of environment:

- Environmental awareness programs have been conducted during the year for school children in nearby villages.
- Integrated housekeeping management is undertaken at top priority to maintain neat and clean working environment in the plant area.
- Extensive cleaning drive has been carried out to nearby village area under Swatch Bharat Abhiyan.
- Tree plantation & pond renovation activity carried out to Lakha Bava Temple.

ADANI PETRONET (DAHEJ) PORT PVT. LTD. DAHEJ

Date : 26-06-2015

(Authorised Signature)
Name : Mr. B G Gandhi
Designation : GM
Address : At & Post Lakhigam, Taluka Vagra, District Bharuch

Environment Statement for 2014-15 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

Annexure 1

Stack Emission Monitoring

SN	Test Parameter	Unit		03.04.2014	
			SS5	Near SS8	Near SS7B
1	Particulate Matter	Mg/Nm3	30	45	13
2	SO2	Mg/Nm3	28.35	23.56	29.45
3	Nox	Mg/Nm3	9.32	11.97	6.25
SN	**Test Parameter**	**Unit**		**22.05.2014**	
			SS5	**Near SS8**	**Near SS7B**
1	Particulate Matter	Mg/Nm3	41	39	17
2	SO2	Mg/Nm3	21.3	20.8	25.5
3	Nox	Mg/Nm3	8.52	9.93	5.15
SN	**Test Parameter**	**Unit**		**23.06.2014**	
			SS5	**Near SS8**	**Near SS7B**
1	Particulate Matter	Mg/Nm3	24	37	40
2	SO2	Mg/Nm3	11.28	16.97	23.23
3	Nox	Mg/Nm3	8.87	8.99	9.76
SN	**Test Parameter**	**Unit**		**10.07.2014**	
			SS5	**Near SS8**	**Near SS7B**
1	Particulate Matter	Mg/Nm3	58	64	51
2	SO2	Mg/Nm3	3.35	4.58	20.02
3	Nox	Mg/Nm3	9.38	10.70	13.63
SN	**Test Parameter**	**Unit**		**28.08.2014**	
			SS5	**Near SS8**	**Near SS7B**
1	Particulate Matter	Mg/Nm3	80	63	38
2	SO2	Mg/Nm3	34.32	42.73	26.92
3	Nox	Mg/Nm3	12.97	10.84	13.88
SN	**Test Parameter**	**Unit**		**26.09.2014**	
			SS5	**Near SS8**	**Near SS7B**
1	Particulate Matter	Mg/Nm3	69	75	41
2	SO2	Mg/Nm3	16.76	22.78	18.04
3	Nox	Mg/Nm3	20.92	21.57	19.47
SN	**Test Parameter**	**Unit**		**20.10.2014**	
			SS5	**Near SS8**	**Near SS7B**
1	Particulate Matter	Mg/Nm3	78	61	40
2	SO2	Mg/Nm3	3.20	4.29	24.63
3	Nox	Mg/Nm3	21.24	21.90	19.77

SR. UNIT NO.	TEST PARAMETER		30/12/201			
			MRSS(SS5)	SS7B	Marine (SS8)	Silo (SS11)
1	Particulate Matter	mg/Nm^3	23.59	32.40	36.79	
2	Sulfur Dioxide as SO_2	ppm	6.30	5.36	7.76	
3	Oxides of Nitrogen as NO_X	ppm	24.14	28.05	30.27	
4	Hydro Carbon	ppm	BDL*	BDL*	BDL*	
5	Carbon Monoxide	ppm	5.56	3.57	5.17	

Environment Statement for 2014-15 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

SR. UNIT NO.	TEST PARAMETER		20/01/201			
			MRSS(SS5)	SS7B	Marine (SS8)	Silo (SS11)
1	Particulate Matter	mg/Nm^3	18.59	26.49	31.50	
2	Sulfur Dioxide as SO_2	ppm	7.35	4.48	8.18	
3	Oxides of Nitrogen as NO_X	ppm	29.94	25.61	32.51	
4	Hydro Carbon	ppm	BDL*	BDL*	BDL*	
5	Carbon Monoxide	ppm	7.27	5.36	3.70	

SR. UNIT NO.	TEST PARAMETER		27/02/201			
			MRSS(SS5)	SS7B	Marine (SS8)	Silo (SS11)
1	Particulate Matter	mg/Nm^3	28.60	36.50	22.29	
2	Sulfur Dioxide as SO_2	ppm	8.25	6.43	5.64	
3	Oxides of Nitrogen as NO_X	ppm	34.28	28.31	27.01	
4	Hydro Carbon	ppm	BDL*	BDL*	BDL*	
5	Carbon Monoxide	ppm	5.36	3.64	5.26	

SR. UNIT NO.	TEST PARAMETER		27/02/201			
			MRSS(SS5)	SS7B	Marine (SS8)	Silo (SS11)
1	Particulate Matter	mg/Nm^3	28.60	36.50	22.29	
2	Sulfur Dioxide as SO_2	ppm	8.25	6.43	5.64	
3	Oxides of Nitrogen as NO_X	ppm	34.28	28.31	27.01	
4	Hydro Carbon	ppm	BDL*	BDL*	BDL*	
5	Carbon Monoxide	ppm	5.36	3.64	5.26	

BDL*: Below Detection Limit, Minimum Detection Limit: Hydro Carbon: 1 ppm, Results on 11 % O2 Correction when Oxygen is greater than 11 %

Note: DG sets are provided as standby power source and used during power failure

Environment Statement for 2014-15 for M/s Adani Petronet (Dahej) Port Pvt. Ltd.

Annexure – 2 Expenditure for Environmental Protection Activities during FY 2014-15

SN	Perticular	Expsence (Lacs)
1	Bio Medical Waste	0.576
2	Water	61.1544
3	Maintenance water line	9.6
4	vacuum cleaning road sweeping machine Operation Manpower	5.02
5	Vacuum cleaning road sweeping machine Operation HSD	15.256
6	STP Operation	6.301
7	STP Maintenance	0.44
8	Environment Monitoring	5.99
9	Horticulture (Manpower, Maintenance & Material)	20.98
10	Fire Engine Operation (Manpower)	9.94
11	Fire Engine Operation (HSD)	1.56
12	Road Cleaning Labour	10.896
13	Water tanker Road Sprinkling Operation Hiring	25.025
14	Water tanker Road Sprinkling Operation HSD	19.528
15	Legal Fees & Water CESS	1.75
Total		**194.0164**