



Tamilnadu Petroproducts Limited

25th September 2018

TPL\ECH – PO\2018

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
77A, South Avenue Road,
Ambattur Industrial Estate,
Ambattur,
Chennai-600 058.

Dear Sir,

Sub: TPL – ECH – PO Plant - Environmental Statement 2017 – 18 - Reg.

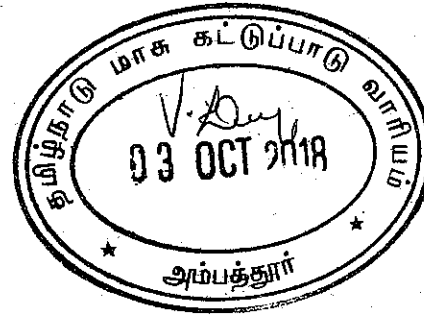
We submit herewith Environmental Statement (FORM – V) for the period of April 2017 - March 2018 pertaining to TPL – ECH – PO Plant for your kind reference.

Thanking you,

Yours faithfully,
For Tamilnadu Petroproducts Limited

M. Karthikeyan

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AVP – Operation – LAB



Regd. Office & Factory :
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Website : www.tnpetro.com CIN : L23200TN1984PLC010931
TPL GSTIN : 33AAACT1295M1Z6



FORM - V

(See Rule 14)

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR
ENDING THE 31st MARCH 2018****PART - A**

I	Name & Address of the owner/ Occupier of the Industry, Operation or process.	Mr. D. Senthikumar Whole Time Director – Operation. Tamilnadu Petroproducts Limited Manali Express Highway, Manali Chennai - 600 068	
II	Industry Category Primary (SIC Code) Secondary Code (SIC Code)	Petrochemical ECH – Propylene oxide	
III	Production Capacity	Products	MT/Month
		Propylene Oxide	1350 MT
		Chlorinated Organics	202.5 MT
IV	Year of Establishment	1995	
V	Date of the last environmental statement submitted	30.09.2014	

TPL – ECH Plant

PART - B

WATER AND RAW MATERIAL CONSUMPTION

WATER CONSUMPTION:-

PURPOSE	m³ / DAY	
	2016 – 2017 *	2017 – 2018 *
Process	----	----
Cooling	----	----
Domestic	----	----

PROCESS WATER CONSUMPTION:-

Name of the Products	Process water consumption per unit of product output m³ / MT	
	During the previous Financial year (2016 – 2017) *	During the current Financial year (2017 – 2018) *
Propylene Oxide	----	----
Chlorinated Organics	----	----

RAW MATERIAL CONSUMPTION:-

Name of the Raw Material	Name of the Product	Consumption of raw material per unit of output, MT / MT	
		During the previous Financial year (2016 – 2017) *	During the current Financial year (2017 – 2018) *
Propylene	Propylene Oxide	----	----
Chlorine		----	----
Lime		----	----

* ECH – PO Plant – Construction activity is in progress.

PART - C

POLLUTION DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT

(Parameter as specified in the consent issued.)

Treated Trade Effluent * :-

Pollutants	Prescribed Quantity of pollutants discharge (Kg/Day)	Quantity of pollutants discharged (Kg/Day)	Percentage of variation from prescribed standard with reasons
pH	5.5 – 9.0	6.44	Within the standards
TDS	----	----	Within the standards
TSS	180.5	15.97	Within the standards
Chlorides (as Cl)	----	----	Within the standards
Sulphates (as SO ₄)	1805	175.1	Within the standards
BOD	180.5	1.32	Within the standards
COD	451.25	15.71	Within the standards
Oil & Grease	36.1	1.08	Within the standards
Phenolic Compound	9.025	< 0.003	Within the standards
Fluoride	27.07	< 0.015	Within the standards
Chromium	1.805	< 0.003	Within the standards
TRC	1.805	< 0.3	Within the standards

Treated Sewage Effluent *

Pollutants	Prescribed Quantity of pollutants discharge (Kg/Day)	Quantity of pollutants discharged (Kg/Day)	Percentage of variation from prescribed standard with reasons
pH	5.5 – 9.0	8.28	Within the standards
TSS	2.1	0.137	Within the standards
BOD	1.4	0.032	Within the standards

* Treated Trade effluent and treated sewage effluents quality are representing the LAB and HCD plant combined effluents

* No generation from ECH – PO plant.

PART - D

HAZARDOUS WASTE

(As specified under Hazardous Wastes/ Management and Handling Rules, 2008)

	Total Quantity	
	During the previous Financial year (2016 – 2017) *	During the current Financial year (2017 – 2018) *
(A) From Process		
Used Spent Oil, MT	0.0	0.0
Waste Oil, MT	0.0	0.0
(B) From pollution control facility		
ETP Sludge, MT	0.0	0.0

**PART - E
SOLID WASTE**

	Total Quantity	
	During the previous Financial year (2016 – 2017) *	During the current Financial year (2017 – 2018) *
a) From process, MT	Nil	Nil
b) Pollution control facility, MT.	Nil	Nil
c) Quantity recycled or reutilised.	Nil	Nil
d) Sold	Nil	Nil
e) Disposed.	Nil	Nil

PART - F

Please specify the characterisation (in terms of composition and Quantum) of Hazardous as well as Solid waste and indicate disposal practice adopted for both these categories of wastes).

1. Hazardous Waste Category No: Schedule 1, S.No: 5.2 - Used / Spent Oil

Quantity : 0.0 MT
Composition : Used Lube Oil
Disposal practice : Disposed to SPCB authorised vendors.

2. Hazardous Waste Category No: Schedule 1, S.No: 5.1 – Waste Oil

Quantity : 0.0 MT
Composition : Oil with water.
Disposal practice : Used as Fuel in TPL heater.

3. Hazardous Waste Category No: Schedule 1, S.No: 33.3 – ETP Sludge

Quantity : 0.0 MT
Composition : ETP Sludge
Disposal practice : Disposed to SPCB authorised landfill facility.

PART - G

Impact of the Pollution abatement measures taken as conservation of natural resources and the cost of production

Entire quantity of treated effluent from sewage treatment plant is utilised for gardening.

PART - H

Additional investment proposal for environment protection including abatement of pollution

- ✓ Continuous Ambient Air Quality Monitoring station will be provided for monitoring Chlorine and VOC in ambient air and monitoring data will be uploaded to TNPCB server.
- ✓ Continuous monitoring system along with data uploading facility for stack attached to Boiler for the parameter PM, SO₂, NO_x, and CO will be provided and monitoring data will be connected to TNPCB server.
- ✓ Continuous monitoring system along with data uploading facility for stack attached to Chlorine Scrubber for Chlorine parameter will be provided and monitoring data will be connected to TNPCB server.
- ✓ Continuous online pH, Flow meter, TSS, BOD and COD analyser will be provided in the ETP – treated effluent outlet and monitoring data will be connected to CAC, TNPCB.

PART - I

Any other Particulars for improving the Quality of the Environment
