

Ref. :S&E/E.8-I/17  
Date: 28<sup>th</sup> June,2017

The Member Secretary  
Tamilnadu Pollution Control Board  
76, Anna Salai  
Guindy  
Chennai – 600 032.

Dear Sir,

**Sub: Environmental Statement for the year 2016 – 17 for SPIC  
Fertilizer Plant**

We are pleased to submit the Environmental Statement in Form-V (in duplicate) pertaining to our SPIC Fertilizer plants at Tuticorin for the year ending 31<sup>st</sup> March 2017.

Thanking you,

For "Southern Petrochemical Industries Corporation Limited",

*Balu-F  
28/06/2017*  
E.Balu  
Plant Head

cc.: 1.The District Environmental Engineer  
Tamilnadu Pollution Control Board  
C7 & C9, SIPCOT Industrial Complex  
Meelavittan  
TUTICORIN – 628 008

2. The Joint Chief Environmental Engineer  
Tamilnadu Pollution Control Board  
Kappalur  
Madurai – 625 008



Southern Petrochemical Industries Corporation Limited

(CIN: L11101TN1969PLC005778)

Factory: SPIC Nagar, Muthiahpuram Post, Tuticorin 628 005 Tamilnadu, India

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SPIC

## ENVIRONMENT (PROTECTION) ACT 1986

ENVIRONMENT (PROTECTION) SECOND AMENDMENT RULES,  
1992FORM-V

(See Rule 14)

Environmental statement for the financial year  
ending 31<sup>st</sup> March, 2017PART-A

- i) Name and address of the owner / occupier of the industry, operation or process : Mr. S.R.Ramakrishnan.  
SPIC Limited  
88, Mount Road, Chennai – 600 032.  
M/s Southern Petrochemical Industries Corporation Limited,  
SPIC Nagar, Tuticorin 628 005.
- ii) Industry Category : Primary SIC No.2800  
(Chemicals and allied products)  
  
Secondary SIC No.2873 & 2874  
(Nitrogenous & Phosphatic Fertilizers)
- iii) Production Capacity (Reassessed capacity by MoEF)  
a) Urea : 6,20,400 MT/annum
- iv) Year of establishment : 1969
- v) Date of the last environmental report submitted : 29.06.16

**PART – B****Water and Raw Material Consumption**

i)	Water consumption	:	Average M <sup>3</sup> /Day (Actual)
	Cooling	:	11164.7
	Process	:	241.6
	Domestic	:	178.7

Sl. No.	Name of Products	Water Consumption per unit of products (M <sup>3</sup> /te)	
		During the previous Financial year 2015-16	During the current Financial year 2016-17
1.	Urea	7.94	6.71

## ii) Raw Material consumption

Sl. No.	Name of the Raw Material	Name of the Product	Consumption of raw material per unit of output	
			During the previous Financial year 2015-16	During the current Financial year 2016-17
1.	Naphtha	Ammonia	0.724	0.708

**PART - C****Pollution Generated**

(Parameters as specified in the consent issued) whom so ever

Sl. No.	Pollutants	Quantity of Pollutants discharged mass/day	Concentration of pollutants discharged in mass/volume	Percentage of variation from prescribed standards with reasons
I	<b><u>WATER:</u></b> pH AN TKN	-- 4.99 Kg 4.99 Kg	7.6- 8.5 31.00 mg/l 31.00 mg/l	All parameters are well within the standards stipulated by MINAS
II	<b><u>AIR:</u></b>			
1)	Urea Prilling Tower: Particulate Matter	574.45 Kg/day	40.7 mg/ Nm <sup>3</sup>	No deviation from prescribed standards

Effluent disposal to sea 161.07 M3/ Day (18 days only during the year)

**PART – D**  
**(Hazardous Wastes)**

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

Sl. No.	Hazardous Wastes	Total Quantity (MT)			
		Quantity generated during 2015- 16	Quantity generated during 2016- 17	Characteristics	Closing Stock & Mode of collection/ Treatment & Disposal
1)	<b>Solid Spent Catalyst : (Nitrogenous Fertilizer Plant)</b>				
a)	HW Category 18.1 Primary, Secondary Reformer & Methanator catalyst	Not generated	Not generated	Nickel 10 to 20%	0.885 MT
b)	HW Category 18.1 Cobalt and Molybdenum Catalyst	Not generated	Not generated	Nil	0.350 MT
c)	HW Category 18.1 Zinc Catalyst	Not generated	Not generated	Zinc 7% w/w	NIL
d)	HW Category 18.1 Zinc and copper catalyst	Not generated	Not generated	Zinc 35% w/w Copper 29% w/w	NIL
e)	HW Category 18.1 Iron catalyst from High Temperature Shift Conversion vessel	Not generated	45.800 MT	Fe 86%w/w	63.360 MT of Spent catalyst collected in drums, sealed and kept for disposal.
2.	<b>Liquid Used Oil:</b>				
	HW Category 5.1 Used Oil	13.924KL	20.076	Oil	Stock as on 31.03.2017 16.450 KL

**PART - E****BY PRODUCT**

Sl. No.	BY PRODUCT	Total Quantity (MT)	
		Generated During the previous financial year (2015-16)	Generated During the current financial year (2016-17)
1)	NIL	NIL	NIL
<b><u>SOLID WASTES</u></b>			
1)	<b><u>From Pollution Control Facilities:</u></b> Calcium carbonate sludge generated from effluent treatment plant	12	Nil
	<b><u>Quantity recycled or reutilized within the unit</u></b> Calcium Carbonate	12	Nil

