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E.Balu
Plant Head

Ref. :S&E/E.8-I/16
Date: 29th June,2016

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

Dear Sir,

**Sub: Environmental Statement for the year 2015 – 16 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 31st March 2016.

Thanking you,

For "Southern Petrochemical Industries Corporation Limited",

Balu.E.
29/06/2016
E.Balu
Plant Head



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

o/c
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,**
1992**FORM-V**

(See Rule 14)

Environmental statement for the financial year
ending 31st March, 2016**PART-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 : 02.09.2015

PART – B

Water and Raw Material Consumption

- i) Water consumption : Average M³/Day (Actual)
- Cooling : 13057.9
- Process : 440.2
- Domestic : 196.0

Sl. No.	Name of Products	Water Consumption per unit of products (M ³ /te)	
		During the previous Financial year 2014-15	During the current Financial year 2015-16
1.	Urea	7.84	7.94

- 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 2014-15	During the current Financial year 2015-16
1.	Naphtha	Ammonia	0.753	0.724

PART – C
Pollution Generated
 (Parameters as specified in the consent issued)

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	<u>WATER:</u> pH AN TKN	-- 5.87 Kg 5.87 Kg	7.6- 8.7 36.17 mg/l 36.17 mg/l	All parameters are well within the standards stipulated by MINAS
II	<u>AIR:</u>			
1)	Urea Prilling Tower: Particulate Matter	489.83 Kg/day	36.3 mg/ Nm ³	No deviation from prescribed standards

Effluent disposal to sea 162.21 M3/ Day (182 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)			Closing Stock & Mode of collection/ Treatment & Disposal
		Quantity generated during 2014- 15	Quantity generated during 2015- 16	Characteristics	
1)	Solid Spent Catalyst : (Nitrogenous Fertilizer Plant)				
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	Not generated	Fe 86%w/w	17.56 MT of Spent catalyst collected in drums, sealed and kept for disposal.
2.	Liquid Used Oil:				
	HW Category 5.1 Used Oil	19.613KL	21.830	Oil	Stock as on 31.03.2016 16.534 KL

PART – E

BY PRODUCT

Sl. No.	BY PRODUCT	Total Quantity (MT)	
		Generated During the previous financial year (2014-15)	Generated During the current financial year (2015-16)
1)	NIL	NIL	NIL
<u>SOLID WASTES</u>			
	<u>From Pollution Control Facilities:</u>		
1)	Calcium carbonate sludge generated from effluent treatment plant	12	12
	<u>Quantity recycled or reutilized within the unit</u>		
	Calcium Carbonate	12	12

