



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000035650

Submitted Date

18-09-2021

PART A

Company Information

Company Name

SAREX OVERSEAS (A Div of Saraf Chemicals Ltd.)

Application UAN number

MPCB-CONSENT-0000038738

Address

PLOT NO. N-129, 130,131, & 132, M.I.D.C., TARAPUR INDL AREA, BOISAR (W)

Plot no

PLOT NO. N-129, 130,131, & 132,

Taluka

PALGHAR

Village

TARAPUR

Capital Investment (In lakhs)

5744

Scale

LSI

City

BOISAR

Pincode

401506

Person Name

MR N SALGIYA

Designation

PRESIDENT

Telephone Number

9011255980

Fax Number

Email

sfplant@sarex.com

Region

SRO-Tarapur I

Industry Category

Red

Industry Type

R58 Pharmaceuticals

Last Environmental statement submitted online

yes

Consent Number

MPCB-CONSENT-0000038738

Consent Issue Date

31/05/2018

Consent Valid Upto

28/02/2023

Establishment Year

1969

Date of last environment statement submitted

Jul 17 2020 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Ven-2
5-Ethyl Pyridine-2 Ethanol
Diphenic Acid
3,5-Dinitro Aniline
Mercaptan Thiol
Anthranilamide
DPDS
2,4 Thiozoldindion

Consent Quantity

120
48
6
12
60
6
2.4
21.6

Actual Quantity

109
47.827
0.003
10
0.420
1.026
0.039
16

UOM

MT/A
MT/A
MT/A
MT/A
MT/A
MT/A
MT/A
MT/A

DDH	60	10.321	MT/A
OTHER ORGANICS HYDROCARBONS	174.60	168.608	MT/A
OTHER TRIZENE PRODUCTS	24	24	MT/A
OTHER AMINO COMPOUNDS	93	15	MT/A
1PHENYL-1CYCLOPENTANE CARBOXYLIC ACID	12	1.350	MT/A
HOMOPHALIC ACID	6	0.320	MT/A
OHTER ORGANICS CARBOXYLIC ACID COMPOUNDS	60	29.803	MT/A
Other Helogen Organics Products	632.4	595.760	MT/A
Other Textile Chemicals	696	3.913	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
--NA--	0	0	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	80	48.9
Domestic	25	15.3
All others	15	9.2
Total	30	18.3
	150	90

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	51	31.1	CMD
DOMESTIC EFFLUENT	12.8	7.8	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
LIST ATTACHED	0.04	0.01	Kg/Annum

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
5-ETHYL-2-METHYL PYRIDINE	0.09	0.073	MT/A
ACETIC ACID	0.02	0.009	MT/A
ACTIVATED CHARCOL	0.01	0.03	MT/A
ALUMINIUM CHLROIDE ANHY	0.68	0.169	MT/A
BENZENE	0.01	0.026	MT/A
BIPHENYL	0.32	0.131	MT/A
CAUSTIC FALKES	0.03	0.009	MT/A
CAUSTIC LYE	0.42	0.115	MT/A

CHLORINE GAS	0.14	0.079	MT/A
CYNURIC CHLORIDE 99%	0.35	0.121	MT/A
DI ETHYLLENE GLYCOL	0.09	0.063	MT/A
ETHYL MERCAPTAN	0.06	0.036	MT/A
3-CHLOROBENZOIC ACID	0.01	0	MT/A
FORMIC ACID	0.09	0.065	MT/A
HCL GAS ANHYDROUS	0.09	0.028	MT/A
HCL	0.54	0	MT/A
4-BROMOANISOLE	0.01	0.001	MT/A
IPA	0.30	0.238	MT/A
METHANOL FRESH	0.44	0.167	MT/A
ETHYL ACETATE (COMMERCIAL)	0.02	0.008	MT/A
PARA FORMALDEHYDE	0.07	0.055	MT/A
MONO CHLOR ACETIC ACID	0.05	0.013	MT/A
N OCTYK CHLORIDE	0.06	0.025	MT/A
HEPTANE ISOMER MIX (F)	0.16	0.024	MT/A
POTASSIUM CARBONATE ANHY	0.13	0.051	MT/A
RESORCINOL	0.13	0.023	MT/A
TOLUENE	0.03	0.019	MT/A
TRIETHYL AMINE	0.13	0.004	MT/A
SERA PP03 (T508)	0.23	0.014	MT/A
TBAB	0.01	0	MT/A
META XYLENE	0.18	0.168	MT/A
PHOSP TRICHLORIDE	0.10	0.003	MT/A
2,4 DTBP	0.01	0	MT/A
SULPHURIC ACID	0.03	0.001	MT/A
SODIUM BICARBONATE	0.02	0	MT/A
SODIUM CARBONATE (COMMERCIAL)	0.01	0.003	MT/A
THIOUREA	0.04	0.010	MT/A
MONO CHLORO BENZEN	0.42	0.227	MT/A
TETRAHYDROFURAN (COMMERCIAL)	0.01	0	MT/A
TRIETHANOL AMINE ANHYDROUS(WA.	0.04	0	MT/A
TRIETHANOL AMINE	0.04	0.001	MT/A
MIBK	0.03	0.037	MT/A
ODCB	0.28	0.054	MT/A
PTHALIC ANHYDIDE	0.08	0.007	MT/A
1-pentanol	0.0005	0	MT/A
DMF	0.44	0.272	MT/A
AMMONIUM LIQUOR	0.26	0.124	MT/A
SERA PP-27	0	0.107	MT/A
SERA PP-08	0	0.011	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
FURNACE OIL	1382400	37350	Ltr/A

Part-C**Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)****[A] Water**

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
pH	0	7.6	0	5.5-9.0	--NA--
COD	9.6	198.5	79.4	250 mg/l	--NA--
BOD	0.82	17	17	100 mg/l	--NA--
SS	2.9	60.5	60.5	100 mg/l	--NA--
OIL & GREASE	0	0	0	10 mg/l	--NA--
TDS	57.05	1175	55.95	2100 mg/l	--NA--

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
SPM /TPM	0	98	65.33	150 mg/Nm3	--NA--
SO2	7.4	0	2.7	275 KG/DAY	--NA--

Part-D**HAZARDOUS WASTES****1) From Process**

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.2 Spent solvents	2.84	157.5	MT/A
20.3 Distillation residues	17.19	46.13	MT/A
20.4 Process Sludge	2.7	27.49	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	27.94	226.01	MT/A

Part-E**SOLID WASTES****1) From Process**

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
--NA--	0	0	M3/Anum

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
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3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

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.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
20.3 Distillation residues	46.13	MT/A	CHWTSDF, TALOJA
35.3 Chemical sludge from waste water treatment	226.01	MT/A	CHWTSDF, TALOJA
20.2 Spent solvents	157.5	MT/A	CHWTSDF, TALOJA
20.4 Process Sludge	27.49	MT/A	CHWTSDF, TALOJA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
--NA--	0	M3/Anum	-

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
E.T.P. Operation cost ,Cost of Consumables ,Cost of Analysis of ,Effluent Sample ,Electrical Energy, Environment audit Statement ,Water Supply ,Water Cess Returns, House Keeping	0	0	0	0	75	0

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
At present, the existing environmental protection system are considered to be adequate. For treatment of waste water company has provided the Effluent Treatment Plant	Oil & Grease trap • Screen Chamber • Equalization Tank • Neutralization Tank with Aeration. • Primary Settling Tank • Sludge Drying Bed. • Secondary Settling tank 1 No. •Air Blower • Carbon Filter	15

[B] Investment Proposed for next Year

Part-I

Any other particulars for improving the quality of the environment.**Particulars**

Company has planted few number of trees around the factory, within company's own land premises. The hazardous waste generated is being sent to CHWTSD Facility for disposal. Noise level survey, cess returns & house keeping are done regularly. The Soak Pit & Septic Tank is provided for the treatment of Domestic effluent. Environment and safety aspects is of prime importance and is incorporated at the Design and energy aspects of operations. Green drive is the major contribution to create the en

Name & Designation

MR N SALGIYA

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000035650

Submitted On:

18-09-2021