Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number
MPCB-ENVIRONMENT_STATEMENT-0000024367

Submitted Date
17-07-2020

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

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
VEN-2 (CG-35-1597)	120	97.505	MT/A
AMINO DIPHENYL METHANE	24	0.021	MT/A
DIPHENIC ACID	6	0.003	MT/A
3,5 DINITRO ANILINE	12	4.011	MT/A
PYRIDINIUM PARA TOULENE SULHPONATE	6	0.306	MT/A
5-ETHYL PYRIDINE-2-ETHANOL	48	39.653	MT/A
DPDS	2.4	0.010	MT/A
2,4 THIOZOLDINDION	21.60	21.202	MT/A
DDH	60	13.601	MT/A
OTHER ORGANICS HYDROCARBONS	174.60	132.968	MT/A
OTHER TRIZENE PRODUCTS	24	14.2	MT/A
OTHER AMINO COMPOUNDS	93	85	MT/A
1PHENYL-1CYCLOPENTANE CARBOXYLIC ACID	12	0.7	MT/A
HOMOPHALIC ACID	6	0.065	MT/A

OHTER ORGANICS CARBOXYLIC ACID COMPOUNDS 60		45.001	MT/A

By-product Information

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

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	80	56.4
Cooling	25	17.6
Domestic	15	10.6
All others	30	21.2
Total	150	105.8

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	51	35.97	CMD
DOMESTIC EFFLUENT	12.8	9.0	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	0.03	0.04	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	0.15	0.09	MT/A
ACETIC ACID	0.01	0.02	MT/A
ACTIVATED CHARCOL	0.01	0.01	MT/A
ALUMINIUM CHLROIDE ANHY	0.75	0.68	MT/A
2,4-DI-TERT BUTYL-6-METHYL PHE	0	0	MT/A
BENZENE	0.09	0.01	MT/A
BIPHENYL	0.6	0.32	MT/A
CAUSTIC FALKES	0.04	0.03	MT/A
CAUSTIC LYE	0.55	0.42	MT/A
CHLORINE GAS	0.20	0.14	MT/A
CYNURIC CHLORIDE 99%	0.44	0.35	MT/A
DI ETHYLLENE GLYCOL	0.80	0.09	MT/A
ETHYL MERCAPTAN	0.12	0.06	MT/A
3-CHLOROBENZOIC ACID	0	0.01	MT/A
FORMIC ACID	0.75	0.09	MT/A
HCL GAS ANHYDROUS	0.14	0.09	MT/A
HCL	0.57	0.54	MT/A

4-BROMOANISOLE	0	0.01	MT/A
IPA	0.36	0.30	MT/A
METHANOL FRESH	1.4	0.44	MT/A
ETHYL ACETATE (COMMERCIAL)	0	0.02	MT/A
PARA FORMALDEHYDE	0.11	0.07	MT/A
MONO CHLOR ACETIC ACID	0.009	0.05	MT/A
N OCTYK CHLORIDE	0.01	0.06	MT/A
HEPTANE ISOMER MIX (F)	0.15	0.16	MT/A
POTASSIUM CARBONATE ANHY	0.53	0.13	MT/A
RESORCINOL	0.18	0.13	MT/A
TOLUENE	0.04	0.03	MT/A
TRIETHYL AMINE	0.10	0.13	MT/A
SERA PP03 (T508)	0	0.23	MT/A
TBAB	0.005	0.01	MT/A
META XYLENE	1.2	0.18	MT/A
PHOSP TRICHLORIDE	0.08	0.10	MT/A
2,4 DTBP	0.07	0.01	MT/A
SULPHURIC ACID	0.002	0.03	MT/A
SODIUM BICARBONATE	0.01	0.02	MT/A
SODIUM CARBONATE (COMMERCIAL)	0	0.01	MT/A
THIOUREA	0.007	0.04	MT/A
MONO CHLORO BENZEN	0.85	0.42	MT/A
TETRAHYDROFURAN (COMMERCIAL)	0	0.01	MT/A
TRIETHANOL AMINE ANHYDROUS(WA.	0	0.04	MT/A
TRIETHANOL AMINE	0.03	0.04	MT/A
MIBK	0.05	0.03	MT/A
ODCB	0.50	0.28	MT/A
PTHALIC ANHYDIDE	0.01	0.08	MT/A
1-pentanol	0.0005	0.0005	MT/A
DMF	1	0.44	MT/A
AMMONIUM LIQUOR	0.29	0.26	MT/A

4) Fuel Consumption

Fuel Name	***Consent quantity***	***Actual Quantity***	***UOM***
FURNACE OIL	1382400	44191	Ltr/A

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
pH	--	9	--NA--	5.5-9.0	--NA--
COD	12.11	216	86.4	250 mg/l	--NA--

BOD	3.9	70	70	100 mg/l	--NA--
SS	4.4	80	80	100 mg/l	--NA--
OIL & GREASE	0.08	1.6	16	10 mg/l	--NA--
TDS	7.6	137	6.5	2100 mg/l	--NA--

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
SPM /TPM	--	77	51.33	150 mg/Nm3	--NA--
SO2	8.7	--	3.1	275 KG/DAY	--NA--

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.2 Spent solvents	5.14	2.84	MT/A
20.3 Distillation residues	14.35	17.19	MT/A
20.4 Process Sludge	4.94	2.7	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	15.45	27.94	MT/A

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
--NA--	0	0	MT/A

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

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	17.19	MT/A	CHWTSDF, TALOJA
35.3 Chemical sludge from waste water treatment	27.94	MT/A	CHWTSDF, TALOJA
20.2 Spent solvents	2.84	MT/A	CHWTSDF, TALOJA
20.4 Process Sludge	2.7	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	-

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	60	0

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	5

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
NA	NA	0

Any other particulars in respect of environmental protection and abatement of pollution.

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