



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000060322

Submitted Date

27-09-2023

PART A

Company Information

Company Name

Deepak Nitrite Limited

Application UAN number

MPCB-CONSENT-0000065748

Address

MIDC Taloja

Plot no

Plot No. K-9 & K-10

Taluka

Panvel

Village

Taloja

Capital Investment (In lakhs)

3853

Scale

L.S.I.

City

Taloja

Pincode

402208

Person Name

Avinash M.Paranjpe

Designation

Site & Engg. Head

Telephone Number

8828859341

Fax Number

02227410695

Email

aparanjpe@godeepak.com

Region

SRO-Taloja

Industry Category

Red

Industry Type

R22 Organic Chemicals manufacturing

Last Environmental statement submitted online

yes

Consent Number

Format1.0/AST/UAN No.
0000005748/21030000111

Consent Issue Date

2022-02-17

Consent Valid Upto

28/02/2024

Establishment Year

1996

Date of last environment statement submitted

Feb 28 2024 12:00:00:000AM

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

Product Information

Product Name

Toluidines (OT/PT/MT)

Consent Quantity

1500.00

Actual Quantity

0

UOM

MT/A

Xylidienes (2,3/2,4/2,5/2,6/3,5) OR Xylidienne Derivatives as Xylenols (2,3/2,4/2,5/2,6)

2400.00

277.051

MT/A

Cumedines (PC/OC)

2400.00

335.613

MT/A

Phynelene Di Amine (Ortho/Para)

360.00

0

MT/A

Di Methyl Cyclohexenone (DMCH)

3600.00

1393.700

MT/A

3 Amino Benzo Trifluoride (3ABTF)

4320

1990.951

MT/A

Benzhydrol OR Cyclohexenylethylamine (CHEA) OR Homoveratrylamine (HVA) OR 4-(2-Methoxyethyl) Phenol

0

0

MT/A

{ Butanol, 3 - Methyl Anisole, Aniline, 4 Bro-3-Methyl Anisole} OR Nitroxylyene OR Nitrocumene OR Nitrotoluene	1680.00	0	MT/A
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By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
-	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	51.70	38.03
Domestic	254.00	43.36
All others	9.00	4.62
Total	2.00	2.00
Total	316.70	88.01

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	72.8	20.00	CMD
Sewage Effluent	7	4.62	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
All Product	0.185	0.231	Ton/Ton

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
Nitro Toluenes	0	0	Ton/Ton
Nitro Xylenes	0.809	0.700	Ton/Ton
Nitro Cumenes	0.514	0.792	Ton/Ton
2,6 Xylenols	1.012	1.02	Ton/Ton
3-NBTF/2-NBTF/4-NBTF	0.744	0.806	Ton/Ton
Hydrogen	0.00746	0.051	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Furnace Oil	1927200	981391.60	Kg/Annum
Diesel	197100	2080.00	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)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
BOD	0.49	24.583	0	30	-
COD	2.385	119.250	0	250	-
Oil & Grease	0.0233	1.167	0	10	-
Suspended solids	0.385	19.250	0	100	-
Total Dissolved solids	20.23	1011.83	0	2100	-
Sulphide	0.02	1	0	2	-
Nitrate	0.02	1	0	10	-

[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	Standard	Reason
	Quantity	Concentration	%variation		
Particulate matter	6	43.5	0	50 Mg/Nm3	-
SO2	29.6	703	0	47.5 Kg/day	-

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	6.36	18.516	MT/A
32.1 Spent chemicals	4.63	4.780	MT/A
20.3 Distillation residues	68.55	64.710	MT/A
Other Hazardous Waste	3.54	0	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.1 Exhaust Air or Gas cleaning residue	1.12	0.06	MT/A
35.3 Chemical sludge from waste water treatment	15.22	15.045	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Rock Wool	1.150	1.045	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-	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
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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
5.1 Used or spent oil	18.516	MT/A	-
32.1 spent chemicals	4.780	MT/A	-
20.3 Distillation residues	64.710	MT/A	-
35.3 Chemical sludge from waste water treatment	15.045	MT/A	-
35.1 Exhaust Air or Gas cleaning residue	0.06	MT/A	-

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Rock wool	1.045	MT/A	-

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)
-	0	0	0	0	0	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)
RO plant installation	Treated effluent recycle up to 65 % of total.	40
ETP process improvemnt	Quality Discharge	10

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Sludge dewatering system	Minimize Disposal.	15

Part-I

Any other particulars for improving the quality of the environment.

Particulars

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Name & Designation

Rajendra H. Nagaonkar

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000060322

Submitted On:

27-09-2023