

# Acknowledgement

PIL/MHD/A22/EHS/61 /2019

Sept. 13th, 2019

The Sub Regional Officer  
Maharashtra Pollution Control Board  
CFC Building  
MIDC Mahad, Dist. Raigad 402309

Sub: - Environment Statement in Form No V

Dear Sir,


We are submitting herewith the Environment Statement in Form No V for April 2018 to March 2019

Submitted this statement in form no 5 on line in MPCB portal and the copy of the same is enclosed herewith for your information and record


Kindly acknowledge receipt of the same

Thank You,  
Yours faithfully

For Pidilite Industries Limited, Plot No A 22/1

  
Kulvinder Segue  
Unit Head

Encl- Form No V

  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Bldg M.I.D.C. Mahad,  
Dist Raigad Pin - 402309



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

Environmental Audit Report for the financial Year ending the 31st March 2019

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000017793

### Submitted Date

04-09-2019

### Company Information

#### Company Name

Pidilite Industries Limited

#### Application UAN number

NA

#### Address

A-22/1 MIDC Mahad, Mahad, Raigad

#### Plot no

A-22/1

#### Taluka

Mahad

#### Village

Mahad

#### Capital Investment (In lakhs)

6509.88

#### Scale

L.S.I

#### City

Mahad

#### Pincode

402309

#### Person Name

Kulvinder Segue

#### Designation

Unit Head

#### Telephone Number

02145-232043

#### Fax Number

02145-231264

#### Email

kulvinder.segue@pidilite.com

#### Region

SRO-Mahad

#### Industry Category

Red

#### Industry Type

Chemicals

#### Last Environmental statement submitted online

yes

#### Consent Number

Format 1.0/BO/AS(T)/UAN No. 0000016411/O & A/CC-1703001270 & 1.0/BO/AS(T)/UAN No. 0000016411/CC Cell/A/CC-0334

#### Consent Issue Date

20.03.2017 & 20.05.2017

#### Consent Valid Upto

31.01.2021

### Product Information

#### Product Name

Polymer based on VAM, Acrylate, Styrene, Ethylene Monomers & adhesive based in PVA

#### Consent Quantity Actual Quantity UOM

41100

37838

MT/A

### By-product Information

#### By Product Name

Nil

#### Consent Quantity

0

#### Actual Quantity

0

#### UOM

### 1) Water Consumption in m3/day

#### Water Consumption for Process

#### Consent Quantity in m3/day

110

#### Actual Quantity in m3/day

88.28

#### Cooling

82

51.5

#### Domestic

10

7.36

#### All others

0

0

#### Total

202

147.14



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#### Total

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**1) Effluent Generation in CMD / MLD**

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Daily quantity of trade effluent from factory	42.5	26.79	CMD
Daily quantity of sewage effluent from factory	8	6.17	CMD

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

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Polymer based on VAM, Acrylate, Styrene monomers & adhesive based on PVA	0.832	0.85	Ton/Ton

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Monomer & solvents	0.443	0.442	Ton/Ton
Plastisizer	0.028	0.027	Ton/Ton
Surfactants & other chemicals	0.030	0.030	Ton/Ton

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Coal	0	0	MT/A

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

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
pH	0	7.08	0	5.5 to 9.0	No variation
Suspended solids	0.19	7	0	100	No variation
BOD 3 Days	0.67	25	0	100	No variation
Total Dissolved Solids	17.01	635	0	2100	No variation
COD	1.44	53.68	0	250	No variation
Oil and Grease	0.08	02.9	0	10	No variation
Chloride	5.9	220.4	0	600	No variation
Sulphate	0.83	31	0	1000	No variation

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
NA	0	0	0	0	NA

**HAZARDOUS WASTES****1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
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5.1 Used or spent oil	0.170	0.145	KL/A
5.2 Wastes or residues containing oil	0	0	
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	1625	1777	Nos./Y
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	3483	3927	Nos./Y
23.1 Wastes or residues (not made with vegetable or animal materials)	5.68	6.18	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	68	104.17	MT/A

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
35.3 Chemical sludge from waste water treatment	36.29	36.71	MT/A

**SOLID WASTES**

**1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Waste Paper, Damage pallet, Sweeping Material	30.85	36.65	MT/A

**2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Nil	0	0	Kg
Nil	0	0	Kg

**3) Quantity Recycled or Re-utilized within the unit**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0	0	Kg
0	0	0	Kg

**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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	0.145	KL/A	Oily liquid sale to authorised reprocessor
5.2 Wastes or residues containing oil	0	Kg/Annum	Oily residue sale to authorised reprocessor
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	1777	Nos./Y	Solid containers/liners sale to authorized re-processor
35.3 Chemical sludge from waste water treatment	36.71	MT/A	Sludge from ETP sent to MWML for incineration
23.1 Wastes or residues (not made with vegetable or animal materials)	104.17	MT/A	Solid polymer waste residues sent to MWML for incineration
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	3927	Nos./Y	Discarded barrels/liners used for HW/chemical sale to authorized re-processor
23.1 Wastes or residues (not made with vegetable or animal materials)	6.18	MT/A	Residues containing filters sent to MWML for incineration

**2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
Waste paper, wooden waste ,sweeping material	36.65	MT/A	wooden pallet , waste paper sale to vendor

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

<b>Description</b>	<b>Reduction in Water Consumption (M3/day)</b>	<b>Reduction in Fuel &amp; Solvent Consumption (KL/day)</b>	<b>Reduction in Raw Material (Kg)</b>	<b>Reduction in Power Consumption (KWH)</b>	<b>Capital Investment(in Lacs)</b>	<b>Reduction in Maintenance(in Lacs)</b>
Rain water harvesting	21.00	0	0	0	0.25	0
Solar panel installation	0	0	0	99586	15	0

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

**[A] Investment made during the period of Environmental Statement**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Submersible effluent slurry pumps	To eliminate any leakages form pumps & avoid contamination	3
Installation of disk type air diffusers	For better aireation in bioreactor tank	5.64
Filters provided to soak pit outlet	Soak pit outlet used for gardening after filtration	0.73
New ultra filtration module purchase of MBR plant	For better effluent treatment	7.08
AMC given Volute filter press maintenance	For better Volute filter press operations	0.75
Submersible pump installation in ETP area	To avoid any kind of minor leakages	2.71
New DO meter purchased	For better effluent analysis	0.40
HW storage surrounding area concreting & door provision	For better segregation & handling of HW	4

**[B] Investment Proposed for next Year**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
New purchase of rotatory vacuum dryer	Ease in handling & drying of ETP sludge	18.90
New STP installation	For recycling of domestic effluent	14.07
New Ozonator system purchase	For reducing treated effluent COD	0.50
Dyke wall connections with pumping arrangement	To avoid any kind of minor spillage/leakages	1

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

**Particulars**

Tree plantation done on 5th June 2018 and planted 500 nos. of plants of various species in company & colony premises

**Name & Designation**

Kulvinder Segue, Unit head