

WEST COAST PAPER MILLS LTD.,

Regd. Office & Works : P.B. No.5, Bangur Nagar, DANDELI-581 325, Dist. Uttara Kannada (Karnataka) India
Grams : "KAGAJMILL", Phone Nos. : (08284) 231391 - 395 (5 Lines)
Fax Nos. : 08284 - 231 225 (Admn. Off.) 232150 (Sales A/c.s) 230443 (Works Off.) 232148 (Paper Godown)



ZZL/CLAB-KSPCB/17/ 4192
12-12-2018

Environmental Officer,
Regional Office,
Karnataka State Pollution Control Board
"Parisara Bhavan" , LIG - II, B - 217
B-1, Main Road, A-16th Cross
Near Hari Om Trust, Habbuwada
KARWAR - 581 303

Speed Post with A D

Dear Sir,

Sub: Water pollution Control Report

We are sending herewith the following for the month of November 2018.

1. The weekly analysis report of treated mill effluent (including sewage).
2. Daily on-line meter Readings of D.O, Temperature & Flow at single point discharge, with Energy Consumption.
3. Up stream & Downstream water quality monitoring report of Kali River.

"We certify that no trade effluent, sewage effluent, Solid waste is being discharged outside the premises without treatment directly or indirectly".

We hope you will find this in order.

Thanking You,

Very truly yours,
THE WEST COAST PAPER MILLS LTD

B H Rathi
President (Technical)

Encl: As above

WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (Env Cell)

Report of analysis of treated effluent along with treated sewage showing performance of the treatment plant for the month


Nov-2018

sample collected & tested by CENTRAL LABORATORY (Env Cell)

SL.No.	Pollution parameters as mentioned in the condition imposed under consent granted under section 25/26 of the water (prevention & control of pollution) Act 1974.	Maximum permissible limits or ranges allowed as per consent conditions.	concentration or range of parameters as per report.				Dates on which			
			I Week	II Week	III Week	IV Week	There was breakdown or failure of the plant	Under Performance was noticed		
A	Industrial effluent	All efforts to remove colour & odour as far as practicable	68 CPU and odourless				No Breakdowns or Failure	Continuous		
1	Colour & Odour									
2	Suspended solids	mg/l	May	[max]	25	26			27	25
3	Particle size of suspended solids	m	Shall pass through 850 microns		<850	<850			<850	<850
			IS sieve							
4	Dissolved solids [inorganic]	mg/l	2100	[max]	808	798			818	784
5	Temperature	° C	Shall not exceed 40 ° C in any section of the stream within 15 mts. Down stream from the effluent outlet		31	30			33	34
6	pH value		7.0 - 8.5		7.2	7.3			7.1	7.3
7	Oil & Grease	mg/l	10.0	[max]	Nil	Nil			Nil	Nil
8	Total residual chlorine	mg/l	1.0	[max]	Nil	Nil			Nil	Nil
9	Ammonical Nitrogen [as N]	mg/l	50.0	[max]	Nil	Nil			Nil	Nil
10	Total Kjeldhal Nitrogen [as N]	mg/l	100.0	[max]	1.0	1.2			1.3	1.1
11	Free Ammonia [as NH ₃]	mg/l	5.0	[max]	Nil	Nil			Nil	Nil
12	Bio Chemical Oxygen Demand [3 days at 27 ° C]	mg/l	30.0	[max]	16	19			15	23
13	Chemical Oxygen Demand	mg/l	250.0	[max]	128	127			137	120
14	Chloride [as Cl]	mg/l	350.0	[max]	166	156			146	152
15	Dissolved Phosphate [as P]	mg/l	5.0	[max]	Nil	Nil			Nil	Nil
16	Sulphate [as SO ₄]	mg/l	1000.0	[max]	62	66			56	60
17	Sulphide [as S]	mg/l	2.0	[max]	Nil	Nil			Nil	Nil
18	Phenolic compound [as C ₆ H ₅ OH]	mg/l	1.0	[max]	Nil	Nil	Nil	Nil		
19	Bio assay		Not Less than 90% of the test animal shall survive in 96 hrs test. The test shall be conducted as per IS 6582		Free from toxic materials as all test fishes survived after 96 hrs					

Date : 12-12-2018

Signature :



Name : **B H Rathi**
President Technical

Address : **West Coast Paper Mills Ltd.,**
Bangur Nagar DANDELI . (U.K.) 581-325

WEST COAST PAPER MILLS LIMITED, DANDELI

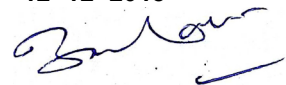
Central Laboratory (Env Cell)

Report on daily discharge, pH, DO & Temperature of combined treated effluent for the month of November – 2018

SL .No	Date	Discharge	D.O ppm	Temp o C	Total
					Energy Consumption Kwh
1	1-Nov-18	41184	4.5	33	17784
2	2-Nov-18	42590	4.1	34	17417
3	3-Nov-18	43566	4.0	30	16487
4	4-Nov-18	40427	4.4	32	17216
5	5-Nov-18	45392	4.0	34	18207
6	6-Nov-18	45740	4.1	34	19865
7	7-Nov-18	47394	4.1	32	13183
8	8-Nov-18	41643	4.3	33	18970
9	9-Nov-18	46726	4.0	32	21660
10	10-Nov-18	42090	4.1	33	20662
11	11-Nov-18	45440	4.3	33	21687
12	12-Nov-18	41700	4.1	32	21644
13	13-Nov-18	41618	4.1	31	21267
14	14-Nov-18	40998	4.4	32	19895
15	15-Nov-18	40281	4.1	32	20716
16	16-Nov-18	40242	4.0	34	18293
17	17-Nov-18	42233	4.2	33	16903
18	18-Nov-18	44562	4.4	31	20031
19	19-Nov-18	43066	4.3	32	16633
20	20-Nov-18	41903	4.2	33	19506
21	21-Nov-18	43325	4.3	33	18684
22	22-Nov-18	43424	4.2	30	20299
23	23-Nov-18	43262	4.4	34	17385
24	24-Nov-18	43661	4.5	34	19826
25	25-Nov-18	43325	4.0	33	20114
26	26-Nov-18	41777	4.8	32	19407
27	27-Nov-18	41284	4.2	33	19797
28	28-Nov-18	38959	4.2	35	20100
29	29-Nov-18	41190	4.3	33	17903
30	30-Nov-18	41741	4.1	34	19362
	Average Reading	42691	4.2	33	19030

Date : 12 -12 -2018

Signature :



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WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (Env Cell)

Date of sample collection: 16-11-2018

Kali river upstream & Down stream water samples analysis report.

Samples collected jointly by KSPCB officials & Central Laboratory (Env Cell) personnel on **16-11-2018**

SL.No	Parameter	Upstream	Downstream	
			Kariempalli Village	Harnoda Village
1	pH	7.8	7.6	7.7
2	Colour	Colourless	Colourless	Colourless
3	Odour	Odourless	Odourless	Odourless
4	Suspended Solids	Mg/L 28	24	20
5	Dissolved Solids	Mg/L 32	30	28
6	Total Solids	Mg/L 60	54	48
7	Hardness as CaCO ₃	Mg/L 36	34	30
8	Alkalinity (M.O)as CaCO ₃	Mg/L 38	36	32
9	Chloride as Cl	Mg/L 7.6	7.2	7.4
10	Sulphate as SO ₄	Mg/L 16.6	16.0	16.2
11	Turbidity	NTU 30	30	30
12	B O D ₃	Mg/L 1.8	2.1	2.2
13	Dissolved Oxygen	Mg/L 7.9	7.7	7.5
14	Sp. Conductivity	<i>m s</i> 19.8	18.6	17.4

Date : 12 -12 -2018

Signature :

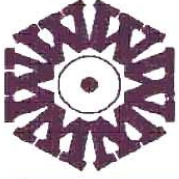


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ZZL/CLAB-KSPCB/17/ 4193
12-12-2018

Environmental Officer,
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Karnataka State Pollution Control Board
"Parisara Bhavan" , LIG - II, B - 217
B-1, Main Road, A-16th Cross
Near Hari Om Trust, Habbuwada
KARWAR - 581 303.

Speed Post with A D

Dear Sir,

Sub: Air Pollution Control Report

We are sending herewith the following for the month of November 2018.

1. Analysis report of stack emission showing the performance of the Air pollution control equipment / Instruments.
2. The Ambient Air Quality Monitoring report and Meteorological report.
3. Month wise Fly ash & Bottom ash generation quantity & disposal quantity to different parties in MT.

We hope you will find this in order.

Thanking You,

Very truly yours,
THE WEST COAST PAPER MILLS LTD

B H Rathi
President (Technical)

Encl: As above

WEST COAST PAPER MILLS LIMITED
CENTRAL LABORATORY (Env Cell)

Report analysis of stack emission showing performance of air pollution control for the month of

Nov-2018

Tested by Central Laboratory (Env Cell)

Stack No.	Stack attached to.	Rate of Emission Nm ³ / hr		Constituents to be controlled in emission.	Tolerance Limit mg/Nm ³	
		Tolerance	Achieved		Tolerance	Achieved
1	Chemical Recovery Boiler-I	1,25,000	112,629	Particulates	150	68.0
				H ₂ S	10	0.98
2	Chemical Recovery Boiler -II	2,25,720	147,899	Particulates	150	74.0
				H ₂ S	10	1.10
3	Rotary Lime Kiln-I	20,000	6,629	Particulates	150	14.0
4	Rotary Lime Kiln -II	39,600	14,578	Particulates	150	19.0
5	FBC Boiler - I	92,000	Shut	Particulates	150	Shut
6	FBC Boiler - II	1,23,912	Shut	Particulates	150	Shut
7	FBC Boiler - III	1,38,480	115,262	Particulates	150	58.0
8	FBC Boiler - IV	1,44,108	130,789	Particulates	150	66.0

Note : Flue gases of RLK I & II have been diverted to PCC plant for manufacture of PCC to reduce CO₂ emission to Environment.

Date : 12 -12 -2018

Signature :



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President Technical

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Bangur Nagar DANDELI . (U.K.) 581-325

WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (Env Cell)

Analysis Report of Ambient Air Quality monitoring for the month of November 2018.

SL.No.	Characteristic	NAAQ STD	Unit	Fire station	P.M/c Old Clarifier	P.Mill Old Clarifier	Kerwad Village
I	Ambient Air Quality						
	i] Suspended Particulate Matter PM 2.5	60	µg/m ³	27.0	28.0	23.0	25.0
	ii] Suspended Particulate Matter PM 10	100	µg/m ³	55.0	58.0	48.0	51.0
	iv] Sulphur Dioxide [SO ₂]	80	µg/m ³	12.0	11.0	13.0	12.0
	v] Oxidies of Nitrogen[NOx]	80	µg/m ³	20.0	23.0	19.0	21.0
	vi] Hydrogen Sulphide [H ₂ S]	-	µg/m ³	Negl	Negl	Negl	Negl
Meteorological Data For month of November 2018.							
II				1 st Week	2 nd Week	3 rd Week	4 th Week
	i] Wind Velocity	-	KM/hr	1.10	1.02	1.20	1.05
	ii] Wind Direction	-		SE	SWW	NE	N
	iii] Temperature						
	Maximum	-	° C	32.0	31.0	32.0	31.0
	Minimum	-	° C	19.5	11.0	13.0	12.5
	iv] Relative Humidity,						
	Maximum						
	Morning	-	%	94	93	97	92
	Evening	-	%	78	73	78	73
	Minimum						
	Morning	-	%	88	88	83	88
	Evening	-	%	69	62	65	66
	Total Rainfall	-	mm	0.000	0.000	39.000	0.000

Date : 12 -12 -2018

Signature :



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 Bangur Nagar DANDELI . (U.K.) 581-325

West Coast Paper Mills Ltd Dandeli
Central laboratory (Env Cell)

Details of Fly ash & Bottom ash generation & Disposal practice for the month of November 2018 and for the year 2018-2019.

S.No	Particulars	2018 – 2019			
		Quantity of Bottom ash (Eco ash), MT		Quantity of Fly ash, MT	
		For the Month	For the Year	For the Month	For the Year
1.0	Total Quantity of Fly ash & Eco Ash Generated	669	9,286	1,597	22,408
2.0	Disposal Details				
2.1.0	Cement Industries				
2.1.1	JK cement	Nil	Nil	Nil	Nil
2.1.2	Kanori Cement , Bagalkot	Nil	Nil	Nil	Nil
2.1.2	Sub Total SI.No 2.1.0 (SI. No 2.1.1)	Nil	Nil	Nil	Nil
2.2.0	Brick / Block manufacturing Industries				
2.2.1	Hubli	Nil	911	39	789
2.2.2	Kali Nirmiti Kendra , Dandeli / Nearby area	669	8,375	1,558	21,619
2.2.3	Others	Nil	Nil	Nil	Nil
2.2.4	Sub Total	669	Nil	Nil	Nil
2.3.0	Grand Total Of Disposed quantity SI.No (SI. No 2.1.0+ 2.2.0)	669	9,286	1,597	22,408

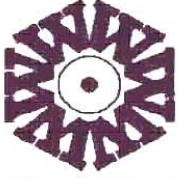
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ISO 9001:14001
OHSAS - 18001



ZZL/CLAB-KSPCB/17/ 4194
12-12-2018

Environmental Officer,
Regional Office,
Karnataka State Pollution Control Board
"Parisara Bhavan" , LIG - II, B - 217
B-1, Main Road, A-16th Cross
Near Hari Om Trust, Habbuwada
KARWAR - 581 303.

Speed Post with A D

Dear Sir,

Sub: Analysis report of treated trade effluent collected Jointly by K.S.P.C.B. official & mills.

We are enclosing herewith our analysis report of above mentioned sample collected jointly by K.S.P.C.B. Official & mills on 16th of November 2018.

We hope you will find this in order.

Thanking You,

Very truly yours,
THE WEST COAST PAPER MILLS LTD

B H Rathi
President (Technical)

Encl: As above

WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (Env Cell)

Analysis report of treated trade effluent along with treated colony sewage
(samples collected jointly by K.S.P.C.B. officials KARWAR and Central Laboratory – Env Cell
personnel on **16-11-2018**)

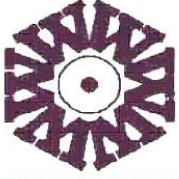
SL.No	Pollutants as specified in consent condition	Tolerance Limits	Pollutants Concentration
A	Industrial effluent		
		All efforts to remove colour & odour as far as practicable	64 CPU & odourless
1	Colour & Odour		
2	Suspended solids mg/l	50.0 [max]	26
3	Particle size of suspended solids m	Shall pass through 850 microns IS sieve	Less than 850 μ
4	Dissolved solids [inorganics] mg/l	2100 [max]	786
5	Temperature $^{\circ}$ C	Shall not exceed 40 $^{\circ}$ C in any section of the stream within 15 mts. Down stream from the effluent outlet	32
6	pH value	7.0 - 8.5	7.2
7	Oil & Grease mg/l	10.0 [max]	Nil
8	Total residual chlorine mg/l	1.0 [max]	Nil
9	Ammonical Nitrogen [as N] mg/l	50.0 [max]	Nil
10	Total Kjeldhal Nitrogen [as N] mg/l	100.0 [max]	1.0
11	Free Ammonia [as NH ₃] mg/l	5.0 [max]	Nil
12	Bio Chemical Oxygen Demand [3 days at 27 $^{\circ}$ C] mg/l	30.0 [max]	23
13	Chemical Oxygen Demand mg/l	250.0 [max]	130
14	Chloride [as Cl] mg/l	350.0 [max]	162
15	Dissolved Phosphate [as P] mg/l	5.0 [max]	0.084
16	Sulphate [as SO ₄] mg/l	1000.0 [max]	68
17	Sulphide [as S] mg/l	2.0 [max]	Nil
18	Phenolic compound [as C ₆ H ₅ OH] mg/l	1.0 [max]	Nil
19	Bio assay	Not Less than 90% of the test animal shall survive in 96 hrs test. The test shall be conducted as per IS 6582	Free from toxic materials as all test fishes survived after 96 hrs

Date : 12 -12 -2018

Signature :

Name : **B H Rathi**
President Technical

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Bangur Nagar DANDELI . (U.K.) 581-325



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ZZL/CLAB-KSPCB/17/ 4195
12-12-2018

Senior Environmental Officer,
Hazardous waste cell,
Karnataka State Pollution Control Board
49, Parisara Bhavan,
4th & 5th Floor, Church Street
Bangalore 560 001

Speed post with A.D

Dear Sir,

Sub: Details of Waste Oil & Waste Oil sludge under the provisions of Hazardous waste (Management, Handling & Trans boundary Movement) Rule- 2008 amended 2010

We are sending herewith the following for the month of November 2018.

1. Quantity of storage & transportation details of Waste Oil. (Manifest Attached)
2. Quantity of Waste oil sludge reprocessed on our RLK.
3. E - Waste generation and Disposal details.
4. Detail Disposal of Non Ferrous Scrap.(Manifest Attached)
5. Detail disposal of Empty plastic carboys.(Manifest Attached)
6. Details of Disposal of Waste Batteries.

We hope you will find this in order.

Thanking You,

Very truly yours,
THE WEST COAST PAPER MILLS LTD

B H Rathi
President (Technical)

Encl: As above

Cc: Environmental Officer,
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Karnataka State Pollution Control Board,
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KARWAR - 581 303

Speed Post with A D

West Coast Paper Mills Ltd Dandeli
Central Laboratory (Env Cell)

Details of Lubricating waste oil And Furnace oil sludge

November-2018

	SL.No	Particulars	Quantity (KL)		Category (5.1)
			For the Month	For the Year from April 2018 to March 2019	
I		<u>LUBRICATING WASTE OIL</u>			
	a	Total generation	7.200		18.600
	b	Total Quantity Disposed	7.200		18.600
	c	Balance in storage yard	Nil		Nil
II		<u>FURNANCE OIL SLUDGE</u>	Quantity (KL)		Category (3.3)
	a	Total generation	Nil		Nil
	b	Total Quantity Disposed	Nil		Nil
	c	Recycled in RLK	Nil		Nil
	d	Closing Balance	Nil		Nil

Date : 12 -12 -2018

Signature : 

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West Coast Paper Mills Ltd Dandeli
Central Laboratory (Env Cell)

November 2018

E- Waste, Non Ferrous Scrap, Waste Batteries Plastic Carbuoys details

I	E – Waste		Quantity in (Kgs)	
	a	Total Quantity Disposed	Nil	4560

II	Non Ferrous scrap		Quantity in (Kgs)	
	a	Scrap copper rewinding wire and copper cable	6.270	6.270

III	a	Waste Batteries	Quantity in (Kgs)	
			Nil	Nil

IV		Plastic Waste	Quantity in Nos	
	a	200 Liters Capacity Carboys	419	3280
	b	100 Litres Capacity Carboys	210	210
			Quantity in MT	
	c	30 to 60 liters Capacity Carboys	4.09	22.27

Date : 12 -12 -2018

Signature : 

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