



WEST COAST PAPER MILLS LTD.,

Regd. Office & Works : P.B. No.5, Bangur Nagar, DANDELI-581 325, Dist. Uttar 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/ 3657
10-10-2018

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 September 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,
WEST COAST PAPER MILLS LTD

B H Rathi
President (Technical)

Encl: As above

WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (IPC)

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


Sep-2018

sample collected & tested by CENTRAL LABORATORY (IPC)

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	69 CPU and odourless				No Breakdowns or Failure	Continuous		
1	Colour & Odour									
2	Suspended solids	mg/l	May	[max]	27	22			25	26
3	Particle size of suspended solids	m	Shall pass through 850 microns		<850	<850			<850	<850
			IS sieve							
4	Dissolved solids [inorganics]	mg/l	2100	[max]	718	798			830	744
5	Temperature	° C	Shall not exceed 40 ° C in any section of the stream within 15 mts. Down stream from the effluent outlet		32	30			33	32
6	pH value		7.0 - 8.5		7.1	7.2			7.0	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]	1.2	1.1			1.4	1.0
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]	13	18			14	16
13	Chemical Oxygen Demand	mg/l	250.0	[max]	130	127			120	134
14	Chloride [as Cl]	mg/l	350.0	[max]	156	148			150	162
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	54			52	56
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 : 10-10-2018

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 (IPC)**

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

SL .No	Date	Discharge	D.O ppm	Temp o C	Total
					Energy Consumption Kwh
1	1-Sep-18	48898	3.9	32	18992
2	2-Sep-18	48278	4.0	34	17333
3	3-Sep-18	50952	4.4	32	17254
4	4-Sep-18	51701	3.8	32	17545
5	5-Sep-18	50048	3.9	32	16429
6	6-Sep-18	46889	4.2	31	16697
7	7-Sep-18	51674	3.9	30	15831
8	8-Sep-18	49464	4.0	33	17115
9	9-Sep-18	47982	4.1	29	16360
10	10-Sep-18	51038	4.3	31	16406
11	11-Sep-18	50883	4.0	32	16672
12	12-Sep-18	45118	4.3	30	15649
13	13-Sep-18	40149	4.2	31	16325
14	14-Sep-18	44174	4.0	32	16713
15	15-Sep-18	47736	4.4	33	15949
16	16-Sep-18	48801	4.0	30	16693
17	17-Sep-18	47722	4.2	33	16724
18	18-Sep-18	47013	4.1	32	17385
19	19-Sep-18	52491	4.2	33	18282
20	20-Sep-18	49676	4.5	35	17423
21	21-Sep-18	48880	4.4	33	16550
22	22-Sep-18	46599	4.1	34	18222
23	23-Sep-18	48452	4.7	33	16711
24	24-Sep-18	48879	4.2	32	16740
25	25-Sep-18	50708	4.2	33	16385
26	26-Sep-18	48683	4.3	30	15911
27	27-Sep-18	46847	4.5	34	16323
28	28-Sep-18	50975	4.2	32	16632
29	29-Sep-18	47588	4.0	31	16910
30	30-Sep-18	48830	4.3	33	16864
	Average Reading	48571	4.2	32	16834

Date : 10 -10 -2018

Signature :

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

WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (IPC)

Date of sample collection: 27-09-2018

Kali river upstream & Down stream water samples analysis report.

Samples collected jointly by KSPCB officials & Central Laboratory (IPC) personnel on 27-09-2018

SL.No.	Parameter	Upstream	Downstream	
			Kariempalli Village	Harnoda Village
1	pH	7.4	7.5	7.6
2	Colour	Colourless	Colourless	Colourless
3	Odour	Odourless	Odourless	Odourless
4	Suspended Solids	Mg/L 24	20	18
5	Dissolved Solids	Mg/L 38	34	30
6	Total Solids	Mg/L 62	54	48
7	Hardness as CaCO ₃	Mg/L 36	34	32
8	Alkalinity (M.O)as CaCO ₃	Mg/L 34	30	32
9	Chloride as Cl	Mg/L 7.8	7.2	7.4
10	Sulphate as SO ₄	Mg/L 16.4	15.8	16.6
11	Turbidity	NTU 500	500	500
12	B O D ₃	Mg/L 1.6	2.0	2.2
13	Dissolved Oxygen	Mg/L 7.8	7.7	7.6
14	Sp. Conductivity	ms 23.6	21.0	18.6

Date : 10 -10 -2018

Signature :



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ZZL/CLAB-KSPCB/17/ 3658
10-10-2018

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: Air Pollution Control Report

We are sending herewith the following for the month of September 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,
WEST COAST PAPER MILLS LTD

B H Rathi
President (Technical)

Encl: As above

WEST COAST PAPER MILLS LIMITED
CENTRAL LABORATORY (IPC)

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

Sep-2018

Tested by Central Laboratory (IPC)

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	107,393	Particulates	150	59.0
				H ₂ S	10	0.89
2	Chemical Recovery Boiler -II	2,25,720	127,753	Particulates	150	69.0
				H ₂ S	10	1.00
3	Rotary Lime Kiln-I	20,000	5,629	Particulates	150	6.0
4	Rotary Lime Kiln -II	39,600	9,301	Particulates	150	15.0
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	109,050	Particulates	150	44.0
8	FBC Boiler - IV	1,44,108	126,913	Particulates	150	56.0

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

Date : 10 -10 -2018

Signature :



Name : **B H Rathi**
President Technical

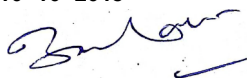
Address : West Coast Paper Mills Ltd.,
Bangur Nagar DANDELI . (U.K.) 581-325

WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (IPC)

Analysis Report of Ambient Air Quality monitoring for the month of September 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	24.0	27.0	31.0	27.0
	ii] Suspended Particulate Matter PM 10	100	µg/m ³	55.0	59.0	64.0	43.0
	iv] Sulphur Dioxide [SO ₂]	80	µg/m ³	9.0	12.0	9.0	10.0
	v] Oxidies of Nitrogen[NO _x]	80	µg/m ³	23.0	25.0	20.0	22.0
	vi] Hydrogen Sulphide [H ₂ S]	-	µg/m ³	Negl	Negl	Negl	Negl
Meteorological Data For month of September 2018.							
II				1 st Week	2 nd Week	3 rd Week	4 th Week
	i] Wind Velocity	-	KM/hr	2.67	1.73	2.02	2.44
	ii] Wind Direction	-		SEE	NE	SW	NW
	iii] Temperature						
	Maximum	-	° C	29.0	31.0	30.0	32.0
	Minimum	-	° C	20.0	18.0	19.0	20.0
	iv] Relative Humidity,						
	Maximum						
	Morning	-	%	97	100	94	97
	Evening	-	%	78	75	70	76
	Minimum						
	Morning	-	%	94	91	91	88
	Evening	-	%	70	60	61	60
	Total Rainfall	-	mm	9.250	0.000	0.000	42.250

Date : 10 -10 -2018

Signature : 

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West Coast Paper Mills Ltd Dandeli
Central laboratory (IPC)

Details of Fly ash & Bottom ash generation & Disposal practice for the month of September 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	1,777	7,328	4,371	17,739
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	115	633
2.2.2	Kali Nirmiti Kendra , Dandeli / Nearby area	1,777	6,417	4,256	17,106
2.2.3	Others	Nil	Nil	Nil	Nil
2.2.4	Sub Total	1,777	Nil	Nil	Nil
2.3.0	Grand Total Of Disposed quantity SI.No (SI. No 2.1.0+ 2.2.0)	1,777	7,328	4,371	17,739

Date : 10 -10 -2018

Signature :



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President Technical

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



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ZZL/CLAB-KSPCB/17/ 3659
10-10-2018

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 27th of September 2018.

We hope you will find this in order.

Thanking You,

Very truly yours,
WEST COAST PAPER MILLS LTD

B H Rathi
President (Technical)

Encl: As above

WEST COAST PAPER MILLS LIMITED, DANDELI

Central Laboratory (IPC)

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 – IPC
personnel on **27-09-2018**)

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	65 CPU & odourless
1	Colour & Odour		
2	Suspended solids mg/l	50.0 [max]	31
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]	788
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	31
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]	15
13	Chemical Oxygen Demand mg/l	250.0 [max]	110
14	Chloride [as Cl] mg/l	350.0 [max]	144
15	Dissolved Phosphate [as P] mg/l	5.0 [max]	0.092
16	Sulphate [as SO ₄] mg/l	1000.0 [max]	60
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 : 10-10-2018

Signature :

Name :



B H Rathi
President Technical

Address :

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



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ZZL/CLAB-KSPCB/17/ 3660
10-10-2018

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 September 2018.

1. Quantity of storage & transportation details of Waste Oil.
2. Quantity of Waste oil sludge reprocessed on our RLK.
3. E - Waste generation and Disposal details.
4. Detail Disposal of Non Ferrous Scrap.
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,
WEST COAST PAPER MILLS LTD

B H Rathi
President (Technical)

Encl: As above

Cc: Environmental Officer,
Regional Office,
Karnataka State Pollution Control Board
"Parisara Bhavan" , LIG - II, B - 217
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KARWAR - 581 303

Speed Post with A D

West Coast Paper Mills Ltd Dandeli
Central Laboratory (IPC)

Details of Lubricating waste oil And Furnace oil sludge

September-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	7.600	11.400
	b	Total Quantity Disposed	7.600	11.400
	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

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

IV	Non Ferrous scrap		Quantity in (Kgs)	
a	Scrap copper rewinding wire and copper cable	Nil	Nil	

V	a	Waste Batteries	Quantity in (Kgs)	
			Nil	Nil

VI	Plastic Waste		Quantity in Nos	
a	200 Liters Capacity Carboys		Nil	2010
			Quantity in MT	
b	30 to 60 liters Capacity Carboys		3.08	17.12

Date : 10 -10 -2018

Signature : 

Name : B H Rathi
President Technical

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