



# THE 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)

ISO 9001:14001  
OHSAS - 18001



**ZZH/CLAB-KSPCB/04/ 19598**  
**08-10-2014**

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

**Speed Post with A D**

Gentleman:

**Sub:** Water pollution Control Report

We are sending herewith the following for the month of September **2014**

1. The weekly analysis report of treated mill effluent (including sewage).
2. Daily readings of on-line meter of D.O., pH, 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

# THE 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 of  
**Sep-2014**

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.			
			I Week	II Week	III Week	IV Week
<b>A</b>	<b>Industrail effluent</b>		<b>70 CPU and odourless</b>			
1	Colour & Odour	All efforts to remove colour & odour as far as practicable				
2	Suspended solids mg/l	50.0 [ max ]	36	36	34	36
3	Particle size of suspended solids mg/l	Shall pass through 850 microns IS sieve	<850	<850	<850	<850
4	Dissolved solids [inorganics] mg/l	2100 [ max ]	762	784	780	738
5	Temperature ° C	Shall not exceed 40 ° C in any section of the stream within 15 mts. Down stream from the effluent outlet				
6	pH value	7.0 - 8.5	33	34	34	33
7	Oil & Grease mg/l	10.0 [ max ]	7.3	7.2	7.2	7.2
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 ]	Nil	Nil	Nil	Nil
11	Free Ammonia [ as NH <sub>3</sub> ] mg/l	5.0 [ max ]	1.0	1.4	1.2	1.0
12	Bio Chemical Oxygen Demand [ 5 days at 20 ° C ] mg/l	30.0 [ max ]	Nil	Nil	Nil	Nil
13	Chemical Oxygen Demand mg/l	250.0 [ max ]	24	24	23	21
14	Chloride [ as Cl ] mg/l	350.0 [ max ]	129	128	122	130
15	Dissolved Phosphate [ as P ] mg/l	5.0 [ max ]	158	148	150	146
16	Sulphate [ as SO <sub>4</sub> ] mg/l	1000.0 [ max ]	Nil	Nil	Nil	Nil
17	Sulphide [ as S ] mg/l	2.0 [ max ]	60	56	52	58
18	Phenolic compound [ as C <sub>6</sub> H <sub>5</sub> OH ] mg/l	1.0 [ max ]	Nil	Nil	Nil	Nil
19	Bio assay	Free from toxic matreials as all test fishes survived after 96 hrs Not Less than 90% of the test animal shall survive in 96 hrs test. The test shall be conducted as per IS 6582				

Date : **08/10/2014**

Signature: 

Name : **B H Rathi**  
President (Tech)

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

**THE 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 – 2014

Sl .No	Date	Treated mill effluent				Total Energy Consumption Kwh
		Flow m <sup>3</sup> /Day	pH	D.O ppm	Temp ° C	
1	1-Sep-14	69,914	7.2	4.2	32.0	18,350
2	2-Sep-14	70,248	7.2	4.2	32.0	18,051
3	3-Sep-14	68,152	7.3	3.9	33.0	18,491
4	4-Sep-14	68,396	7.3	4.2	33.0	18,879
5	5-Sep-14	74,511	7.4	3.8	32.0	18,407
6	6-Sep-14	71,500	7.1	4.2	32.0	18,970
7	7-Sep-14	71,750	7.2	4.1	32.0	17,770
8	8-Sep-14	70,935	7.2	4.2	33.0	17,524
9	9-Sep-14	72,978	7.3	3.8	33.0	18,775
10	10-Sep-14	65,377	7.3	4.4	32.0	16,104
11	11-Sep-14	69,608	7.2	4.0	32.0	15,172
12	12-Sep-14	70,572	7.4	4.0	32.0	17,097
13	13-Sep-14	67,796	7.1	4.2	32.0	16,235
14	14-Sep-14	71,725	7.1	4.1	32.0	16,292
15	15-Sep-14	68,842	7.2	4.0	31.0	18,908
16	16-Sep-14	70,945	7.2	4.2	33.0	16,406
17	17-Sep-14	68,568	7.2	4.5	32.0	18,247
18	18-Sep-14	69,230	7.2	4.2	33.0	16,545
19	19-Sep-14	72,050	7.3	3.9	33.0	18,247
20	20-Sep-14	71,460	7.2	4.0	33.0	18,698
21	21-Sep-14	68,814	7.3	4.1	33.0	18,411
22	22-Sep-14	71,166	7.3	4.1	34.0	17,801
23	23-Sep-14	69,899	7.4	4.0	33.0	21,810
24	24-Sep-14	70,904	7.3	4.1	33.0	19,676
25	25-Sep-14	69,743	7.2	4.2	33.0	19,014
26	26-Sep-14	71,026	7.4	4.1	33.0	19,101
27	27-Sep-14	70,612	7.3	4.0	33.0	17,212
28	28-Sep-14	71,175	7.3	4.0	33.0	16,401
29	29-Sep-14	72,746	7.3	4.1	33.0	16,318
30	30-Sep-14	67,937	7.2	3.9	33.0	17,679
<b>Average Readings</b>		<b>70,286</b>	<b>7.3</b>	<b>4.1</b>	<b>32.6</b>	<b>17,886</b>

Date : 08/10/2014

Signature:



Name :

**B H Rathi**  
President (Tech)

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

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

**Date of sample collection: 17-09-2014.**

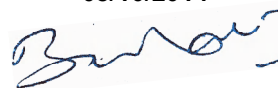
Kali river upstream & Down stream water samples analysis report.

Samples collected jointly by KSPCB officials & Central Laboratory ( IPC) personnel on **17-09-2014**

SL.No	Parameter	Upstream	Downstream	
			Kariempalli Village	Harnoda Village
1	pH	7.5	7.4	7.5
2	Colour	Turbid	Turbid	Turbid
3	Odour	No Odour	No Odour	No Odour
4	Suspended Solids ppm	17	14	18
5	Dissolved Solids ppm	56	62	50
6	Total Solids ppm	73	76	68
7	Hardness as CaCO <sub>3</sub> ppm	36	40	34
8	Alkalinity (M.O)as CaCO <sub>3</sub> ppm	44	48	46
9	Chloride as Cl ppm	5.3	7.1	6.6
10	Sulphate as SO <sub>4</sub> ppm	14.2	14.6	15.2
11	Turbidity NTU	300	300	300
12	Sp. Conductivity $\mu$ S	21.4	18.8	22.5

Date : **08/10/2014**

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**ZZH/CLAB-KSPCB/04/ 19599**  
**08-10-2014**

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

**Speed Post with A D**

Gentleman:

**Sub:** Air Pollution Control Report

We are sending herewith the following for the month of **September 2014**

1. Analysis report of stack emission showing the performance of the Air pollution control equipments / Instruments.
2. The Ambient Air Quality Monitoring report, meteorological report & on line Monitoring 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

# THE WEST COAST PAPER MILLS LIMITED

## CENTRAL LABORATORY ( IPC )

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

Sep-2014

Tested by Central Laboratory ( IPC )

Stack No.	Stack attached to.	Rate of Emission Nm <sup>3</sup> / hr		Constituents to be controlled in emission.	Tolerance Limit mg/Nm <sup>3</sup>	
		Tolerance	Achieved		Tolerance	Achieved
1	Chemical Recovery Boiler-I	1,25,000	106,396	Particulates	150	74
				H <sub>2</sub> S	10	1.22
2	Chemical Recovery Boiler -II	2,25,720	209,287	Particulates	150	75
				H <sub>2</sub> S	10	1.18
3	Rotary Lime Kiln-I	20,000	16,073	Particulates	150	80
4	Rotary Lime Kiln -II	39,600	35,036	Particulates	150	64
5	Smelt Dissolving vent - I	6,500	14,152	Particulates	150	68
6	Smelt Dissolving vent -II	-	16,183	Particulates	150	72
7	FBC Boiler - I	92,000	Shut	Particulates	150	Shut
				SO <sub>2</sub>	-	Shut
8	FBC Boiler - II	1,23,912	Shut	Particulates	150	Shut
				SO <sub>2</sub>	-	Shut
9	FBC Boiler - III	-	142,811	Particulates	50	42
				SO <sub>2</sub>	-	748
10	FBC Boiler - IV	1,44,108	125,061	Particulates	150	74
				SO <sub>2</sub>	-	740
11	3.8 MW DG set	-	-	-	-	Being Sold
12	4.0 MW DG set	-	-	-	-	Being Sold
13	4.04 MW DG set	-	-	-	-	Being Sold

Date : 08/10/2014

Signature :



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

Report of the analysis of Ambient Air Quality & Meteorological data for the month of

**Sep-2014**

SL.No.	Characteristic	NAAQ STD	Unit	Fire station	P.M/c Old Clarifier	P.MIII Old Clarifier	Kerwad Village
I	Ambient Air Quality						
	i] Suspended Particulate Matter PM 2.5	60	µg/m <sup>3</sup>	33.0	37.0	31.0	31.0
	ii] Suspended Particulate Matter PM 10	100	µg/m <sup>3</sup>	78.0	81.0	69.0	65.0
	iv] Sulphur Dioxide [ SO <sub>2</sub> ]	80	µg/m <sup>3</sup>	15.0	14.0	15.0	15.0
	v] Oxidies of Nitrogen[NOx]	80	µg/m <sup>3</sup>	22.0	20.0	19.0	19.0
	vi] Hydrogen Sulphide [H <sub>2</sub> S]	-	µg/m <sup>3</sup>	Nil	Nil	Nil	Nil
				1 <sup>st</sup> Week	2 <sup>nd</sup> Week	3 <sup>rd</sup> Week	4 <sup>th</sup> Week
II	Meteorological Data						
	i] Wind Velocity	-	KM/hr	3.59	2.03	2.08	1.43
	ii] Wind Direction	-		SSE	SWW	NNW	SWW
	iii] Temperature						
	Maximum	-	° C	28.0	28.5	29.4	32.0
	Minimum	-	° C	19.8	20.0	19.5	19.8
	iv] Relative Humidity,						
	Maximum						
	Morning	-	%	95	93	92	92
	Evening	-	%	90	85	87	85
	Minimum						
Morning	-	%	90	84	84	84	
Evening	-	%	79	75	75	77	
Total Rainfall	-	mm	64.100	9.900	6.550	19.050	

Date : 08/10/2014

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The West Coast Paper Mills Ltd Dandeli  
Central laboratory ( IPC )

Details of Fly ash & Bottom ash generation & Disposal practice for the month of September 2014 & for the year 2014-2015.

S.No	Particulars	2014 – 2015			
		Quantity of Bottom ash (Eco ash), MT		Quantity of Fly ash, MT	
		For the Month	For the Year	For the Month	For the Year
<b>1.0</b>	<b>Total Quantity of Fly ash &amp; Eco Ash Generated</b>	<b>2,130</b>	<b>13,398</b>	<b>4,175</b>	<b>21,310</b>
<b>2.0</b>	<b>Disposal Details</b>				
<b>2.1.0</b>	<b>Cement Industries</b>				
2.1.1	J K Cement , Mudapur	Nil	Nil	77	515
2.1.2	Kanori Cement , Bagalkot	180	391	217	672
2.1.3	Channageri Cement Mudhol	Nil	Nil	Nil	Nil
2.1.4	Balaji Traders	Nil	Nil	Nil	Nil
<b>2.1.5</b>	<b>Sub Total SI.No 2.1.0 ( SI. No 2.1.1 to 2.1.4 )</b>	180	391	294	1,187
<b>2.2.0</b>	<b>Brick / Block manufacturing Industries</b>				
2.2.1	Hubli	29	439	950	5,170
2.2.2	Kali Nirmitti Kendra , Dandeli / Nearby area	1582	8,775	1,479	8,946
2.2.3	Others	181	2,525	871	4,208
<b>2.2.4</b>	<b>Sub Total SI.No 2.2.0 ( SI. No 2.2.1 to 2.2.3 )</b>	1,792	11,739	3,300	18,324
<b>2.3.0</b>	<b>Disposal into pits</b>				
2.3.1	Agr Uni./Rampur	158	1,269	581	1,799
<b>2.3.2</b>	<b>Sub Total SI.No 2.3.0 ( SI . No 2.3.1 )</b>	158	1,269	581	1,799
<b>3.0</b>	<b>Grand Total Of Disposed quantity SI.No ( SI. No 2.1.6+2.2.4+2.3.2 )</b>	<b>2,130</b>	<b>13,399</b>	<b>4,175</b>	<b>21,310</b>

Date : 08/10/2014

Signature



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**B H Rathi**  
President (Tech)

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





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**ZZH/CLAB-KSPCB/04/ 19600**  
**08-10-2014**

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

**Speed Post with A D**

Gentleman:

**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 17<sup>th</sup> **September 2014**.

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

**THE 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 17-09-2014.

SL.No	Pollutants as specified in consent condition	Tolerance Limits	Pollutants Concentration
<b>A</b>	<b>Industrial effluent</b>		
		All efforts to remove colour & odour as far as practicable	74 CPU & odourless
1	Colour & Odour		
2	Suspended solids mg/l	50.0 [ max ]	38
3	Particle size of suspended solids mg/l	Shall pass through 850 microns IS sieve	Less than 850 μ
4	Dissolved solids [inorganics] mg/l	2100 [ max ]	640
5	Temperature ° C	Shall not exceed 40 ° C in any section of the stream within 15 mts. Down stream from the effluent outlet	33
6	pH value	7.0 - 8.5	7.4
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 ]	1.2
11	Free Ammonia [ as NH <sub>3</sub> ] mg/l	5.0 [ max ]	Nil
12	Bio Chemical Oxygen Demand [ 5 days at 20 ° C ] mg/l	30.0 [ max ]	21
13	Chemical Oxygen Demand mg/l	250.0 [ max ]	120
14	Chloride [ as Cl ] mg/l	350.0 [ max ]	138
15	Dissolved Phosphate [ as P ] mg/l	5.0 [ max ]	0.02
16	Sulphate [ as SO <sub>4</sub> ] mg/l	1000.0 [ max ]	52
17	Sulphide [ as S ] mg/l	2.0 [ max ]	Nil
18	Phenolic compound [ as C <sub>6</sub> H <sub>5</sub> 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 : 08/10/2014

Signature



Name :

**B H Rathi**  
President (Tech)

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



The West Coast Paper Mills Ltd Dandeli  
Central Laboratory ( IPC )

Details of Lubricating waste oil And Furnance oil sludge

September-2014

S.No	Particulars	Quantity ( KL )	
		For the Month	For the Year from April 2014 to March 2015
<b>I</b>	<b><u>LUBRICATING WASTE OIL</u></b>		
1.0	Total generation	Nil	16.000
2.0	Total Quantity Disposed	Nil	10.000
2.3	Balance in storage yard	6.000	6.000
<b>II</b>	<b><u>FURNANCE OIL SLUDGE</u></b>		
1.0	Total generation	Nil	Nil
2.0	Total Quantity Disposed		
2.1	Recycled in RLK	Nil	Nil
2.2	Closing Balance	Nil	Nil
<b>III</b>	<b><u>E – Waste</u></b>		<b>Quantity (MT)</b>
			<b>For the Year from April 2014 to March 2015</b>
2.0	Total Quantity Disposed	Nil	Nil
<b>IV</b>	<b><u>Scrap Batteries</u></b>	<b>For the Month</b>	<b>For the Year from April 2014 to March 2015</b>
1.0	Total Quantity Disposed	Nil	Nil

Date : 08/10/2014

Signature :



Name :

**B H Rathi**  
**President (Tech)**

Address :

**The West Coast Paper Mills Ltd ., Dandeli**  
**Bangur Nagar DANDELI ( U.K.) 581325**