



**THE WEST COAST PAPER MILLS LTD.,**  
Regd. Office & Works : PB. 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)



**ZZH/CLAB-KSPCB/04/ 12259**

**07-06-2014**

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 **May 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,

**WEST COAST PAPER MILLS LTD**

**KL CHANDAK**  
**EXECUTIVE DIRECTOR**

# 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  
**May-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>71 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	38	36	37
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 ]	708	734	726	740
5	Temperature ° C	Shall not exceed 40 ° C in any section of the stream within 15 mts. Down stream from the effluent outlet	33	33	33	34
6	pH value	7.0 - 8.5	7.3	7.4	7.3	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	1.1	1.0
11	Free Ammonia [ as NH <sub>3</sub> ] mg/l	5.0 [ max ]	Nil	Nil	Nil	Nil
12	Bio Chemical Oxygen Demand [ 5 days at 20 ° C ] mg/l	30.0 [ max ]	24	23	25	23
13	Chemical Oxygen Demand mg/l	250.0 [ max ]	121	133	128	131
14	Chloride [ as Cl ] mg/l	350.0 [ max ]	128	126	136	138
15	Dissolved Phosphate [ as P ] mg/l	5.0 [ max ]	Nil	Nil	Nil	Nil
16	Sulphate [ as SO <sub>4</sub> ] mg/l	1000.0 [ max ]	36	30	32	38
17	Sulphide [ as S ] mg/l	2.0 [ max ]	Nil	Nil	Nil	Nil
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	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 matreials as all test fishes survived after 96 hrs			

Date : 07/06/14

Signature: 

Name : K L CHANDAK  
Executive Director.

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 May – 2014

SL.No	Date	Treated mill effluent				Total Energy Consumption
		Flow m <sup>3</sup> /Day	pH	D.O ppm	Temp ° C	
1	1-May-14	60,266	7.2	3.7	33	15802
2	2-May-14	63,781	7.3	3.8	34	16193
3	3-May-14	62,230	7.3	3.9	34	17924
4	4-May-14	65,621	7.3	3.6	33	17457
5	5-May-14	63,079	7.3	3.7	33	18685
6	6-May-14	66,623	7.3	4.1	33	19937
7	7-May-14	64,955	7.4	3.9	33	17909
8	8-May-14	64,272	7.3	3.7	33	18410
9	9-May-14	63,170	7.3	3.8	33	17114
10	10-May-14	63,863	7.2	3.7	33	15403
11	11-May-14	59,751	7.3	3.8	33	15329
12	12-May-14	71,291	7.2	3.8	33	19244
13	13-May-14	70,561	7.3	3.7	33	19663
14	14-May-14	68,063	7.2	3.8	33	18914
15	15-May-14	66,191	7.3	4.0	33	18396
16	16-May-14	67,530	7.3	3.7	34	18205
17	17-May-14	68,097	7.3	3.8	34	21013
18	18-May-14	66,595	7.4	3.7	34	17491
19	19-May-14	68,324	7.2	3.9	33	16578
20	20-May-14	68,560	7.2	3.8	33	17423
21	21-May-14	67,767	7.4	3.6	34	17894
22	22-May-14	67,712	7.4	3.8	34	21337
23	23-May-14	69,859	7.4	3.9	33	18832
24	24-May-14	69,236	7.3	3.6	33	18574
25	25-May-14	68,308	7.3	3.9	34	17578
26	26-May-14	68,899	7.3	3.8	34	18112
27	27-May-14	68,231	7.2	4.1	33	19640
28	28-May-14	68,717	7.2	3.8	33	18473
	29-May-14	65,004	7.2	4.2	33	19331
29	30-May-14	70,943	7.2	4.1	33	18329
30	31-May-14	65,501	7.3	4.0	33	16810
<b>Average For the Day</b>		<b>66,548</b>	<b>7.3</b>	<b>3.8</b>	<b>33</b>	<b>18129</b>

Date : 07/06/14

Signature: 

Name : K L CHANDAK

Executive Director.

Address : The West Coast Paper Mills Ltd.,

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

**Date of sample collection: 20-05-2014**

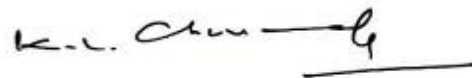
Kali river upstream & Down stream water samples analysis report.

Samples collected jointly by KSPCB officials & Central Laboratory ( IPC) personnel on **20-05-2014**

SL.No	Parameter	Upstream	Downstream	
			Kariempalli Village	Harnoda Village
1	pH	7.5	7.4	7.5
2	Colour	Clear	Clear	Clear
3	Odour	No Odour	No Odour	No Odour
4	Suspended Solids ppm	22	23	20
5	Dissolved Solids ppm	66	70	68
6	Total Solids ppm	88	93	88
7	Hardness as CaCO <sub>3</sub> ppm	36	40	42
8	Alkalinity (M.O)as CaCO <sub>3</sub> ppm	44	48	46
9	Chloride as Cl ppm	142.0	138.0	140.0
10	Sulphate as SO <sub>4</sub> ppm	13.8	14.2	15.0
11	Turbidity NTU	20	20	20
12	Sp. Conductivity $\mu$ S	15.9	16.2	16.5

Date : 7/6/2014

Signature;



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# THE WEST COAST PAPER MILLS LIMITED

CENTRAL LABORATORY ( IPC )

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

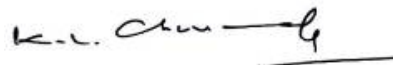
May-2014

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	105,826	Particulates	150	67
				H <sub>2</sub> S	10	1.10
2	Chemical Recovery Boiler -II	2,25,720	217,061	Particulates	150	90
				H <sub>2</sub> S	10	1.28
3	Rotary Lime Kiln-I	20,000	17,681	Particulates	150	72
4	Rotary Lime Kiln -II	39,600	36,720	Particulates	150	74
5	Smelt Dissolving vent - I	6,500	17,120	Particulates	150	83
6	Smelt Dissolving vent -II	-	17,773	Particulates	150	80
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	-	135,591	Particulates	50	42
				SO <sub>2</sub>	-	738
10	FBC Boiler - IV	1,44,108	127,815	Particulates	150	81
				SO <sub>2</sub>	-	870
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 : 07/06/14

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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

**May-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>	32.0	35.0	31.0	30.0
	ii] Suspended Particulate Matter PM 10	100	µg/m <sup>3</sup>	64.0	70.0	64.0	64.0
	iv] Sulphur Dioxide [ SO <sub>2</sub> ]	80	µg/m <sup>3</sup>	12.0	11.0	11.0	18.0
	v] Oxidies of Nitrogen[NOx]	80	µg/m <sup>3</sup>	22.0	20.0	15.0	20.0
	vi] Hydrogen Sulphide [H <sub>2</sub> S]	-	µg/m <sup>3</sup>	ND	ND	ND	ND
				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	2.27	3.30	3.15	3.10
	ii] Wind Direction	-					
	iii] Temperature		° C				
	Maximum	-		36.0	35.0	35.0	33.5
	Minimum	-		20.5	20.5	21.0	20.5
	iv] Relative Humidity,		%				
	Maximum						
	Morning	-		89	88	93	88
	Evening	-		80	87	78	79
	Minimum						
Morning	-		77	80	74	84	
Evening	-		70	67	65	69	
Total Rainfall	-	cms	4.570	2.950	4.225	2.425	

**Date :** 07/06/14

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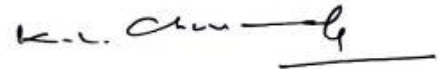
The West Coast Paper Mills Ltd Dandeli  
Central laboratory ( IPC )

Details of Fly ash & Bottom ash generation & Disposal practice for the month of May 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>1,467</b>	<b>3,074</b>	<b>2,443</b>	<b>5,193</b>
<b>2.0</b>	<b>Disposal Details</b>				
<b>2.1.0</b>	<b>Cement Industries</b>				
2.1.1	Katwa Cement , Yadwad	Nil	Nil	Nil	Nil
2.1.2	Kanori Cement , Bagalkot	60	114	Nil	18
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>	<b>60</b>	<b>114</b>	<b>Nil</b>	<b>18</b>
<b>2.2.0</b>	<b>Brick / Block manufacturing Industries</b>				
2.2.1	Hubli	Nil	68	589	1,422
2.2.2	Kali Nirmiti Kendra , Dandeli / Nearby area	1138	2,308	1,242	2,574
2.2.3	Others	269	584	612	1,179
<b>2.2.4</b>	<b>Sub Total SI.No 2.2.0 ( SI. No 2.2.1 to 2.2.3 )</b>	<b>1,407</b>	<b>2,960</b>	<b>2,443</b>	<b>5,175</b>
<b>2.3.0</b>	<b>Disposal into pits</b>				
2.3.1	Agri/Uni./Rampur	Nil	Nil	Nil	Nil
<b>2.3.2</b>	<b>Sub Total SI.No 2.3.0 ( SI . No 2.3.1 )</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>
<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>1,467</b>	<b>3,074</b>	<b>2,443</b>	<b>5,193</b>

Date : 07/06/14

Signature



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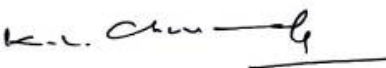
**THE WEST COAST PAPER MILLS LIMITED, DANDELI**  
**Central Laboratory ( IPC )**

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 **20-05-2014**.

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	75 CPU & odourless
1	Colour & Odour		
2	Suspended solids mg/l	50.0 [ max ]	34
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 ]	674
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	7.5
7	Oil & Greese 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 ]	1.3
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 ]	20
13	Chemical Oxygen Demand mg/l	250.0 [ max ]	119
14	Chloride [ as Cl ] mg/l	350.0 [ max ]	126
15	Dissolved Phosphate [ as P ] mg/l	5.0 [ max ]	0.02
16	Sulphate [ as SO <sub>4</sub> ] mg/l	1000.0 [ max ]	38
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 : 07/06/14

Signature



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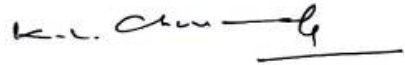
Details of Lubricating waste oil And Furnance oil sludge

May-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	Nil
2.0	Total Quantity Disposed	Nil	Nil
2.3	Balance in storage yard	Nil	Nil
<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 : 07/06/14

Signature



Name : **K.L. Chandak**  
Executive Director.

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