

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



ZZK/CLAB-KSPCB/04/ 5061
06-09-2017

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 August 2017.

1. The weekly analysis report of treated mill effluent (including sewage).
2. Daily readings of on-line meter of D.O, Temperature & flow at single point discharge, with Energy consumption.
3. Upstream & Downstream water quality monitoring report of Kali River.
4. Compiled on line data of Treated Trade Effluent (connected to CPCB server).

"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 (IPC)

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

Aug-2017

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		68 CPU and odourless					
1	Colour & Odour	All efforts to remove colour & odour as far as practicable					No Breakdowns or Failure	Continuous
2	Suspended solids mg/l	50.0 [max]	31	36	31	31		
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]	480	508	526	494		
5	Temperature °C	Shall not exceed 40 °C in any section of the stream within 15 mts. Down stream from the effluent outlet	36	36	32	34		
6	pH value	7.0 - 8.5	7.4	7.4	7.3	7.4		
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	1.0	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]	18	17	16	15		
13	Chemical Oxygen Demand mg/l	250.0 [max]	130	126	132	131		
14	Chloride [as Cl] mg/l	350.0 [max]	152	158	148	144		
15	Dissolved Phosphate [as P] mg/l	5.0 [max]	Nil	Nil	Nil	Nil		
16	Sulphate [as SO ₄] mg/l	1000.0 [max]	52	46	62	56		
17	Sulphide [as S] mg/l	2.0 [max]	Nil	Nil	Nil	Nil		
18	Phenolic compound [as C ₆ H ₅ O] 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 : 06 -09 -2017

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 August- 2017

SL .No	Date	D.O ppm	Temp o C	Total
				Energy Consumption Kwh
1	1-Aug-17	4.2	36	15983
2	2-Aug-17	4.4	36	18434
3	3-Aug-17	4.4	36	23469
4	4-Aug-17	4.2	37	20278
5	5-Aug-17	4.3	37	16545
6	6-Aug-17	4.3	37	17466
7	7-Aug-17	4.4	36	17124
8	8-Aug-17	4.3	36	18660
9	9-Aug-17	4.3	37	17597
10	10-Aug-17	4.3	36	18088
11	11-Aug-17	4.3	36	18130
12	12-Aug-17	4.2	36	16175
13	13-Aug-17	4.4	37	16082
14	14-Aug-17	4.2	36	15660
15	15-Aug-17	4.3	36	17478
16	16-Aug-17	4.3	36	19710
17	17-Aug-17	4.4	37	15267
18	18-Aug-17	4.3	37	16888
19	19-Aug-17	4.2	36	19644
20	20-Aug-17	4.4	37	16844
21	21-Aug-17	4.3	37	15254
22	22-Aug-17	4.3	37	15885
23	23-Aug-17	4.3	37	15941
24	24-Aug-17	4.4	37	16186
25	25-Aug-17	4.2	37	16008
26	26-Aug-17	4.0	37	15734
27	27-Aug-17	4.4	36	16065
28	28-Aug-17	4.2	37	16702
29	29-Aug-17	4.4	36	14994
30	30-Aug-17	4.3	36	17874
31	31-Aug-17	4.2	36	16580
	Average Reading	4.3	36	17185

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WEST COAST PAPER MILLS LIMITED, DANDELI

Central Laboratory (IPC)

Date of sample collection: 29-08-2017

Kali river upstream & Down stream water samples analysis report.

Samples collected jointly by KSPCB officials & Central Laboratory (IPC) personnel on 29-08-2017

SL.No.	Parameter	Upstream	Downstream		
			Kariempalli Village	Harnoda Village	
1	pH	7.3	7.2	7.1	
2	Colour	Turbid	Turbid	Turbid	
3	Odour	No Odour	No Odour	No Odour	
4	Suspended Solids	ppm	12	10	12
5	Dissolved Solids	ppm	28	26	26
6	Total Solids	ppm	40	36	38
7	Hardness as CaCO ₃	ppm	22	28	30
8	Alkalinity (M.O)as CaCO ₃	ppm	28	34	36
9	Chloride as Cl	ppm	7.0	6.8	6.4
10	Sulphate as SO ₄	ppm	14.4	15.4	15.2
11	Turbidity	NTU	200	200	200
12	B O D ₃	ppm	1.6	1.2	1.0
13	Sp. Conductivity	μ s	45.2	41.9	42.0

Date : 06 -09 -2017

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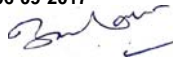
WEST COAST PAPER MILLS LIMITED, DANDELI

Central Laboratory (IPC)

Monthly On-Line Treated Trade Effluent compiled data

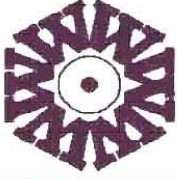
Aug-17					
Date	pH	TSS ppm	COD ppm	BOD ppm	Flow m3/Hr
1	7.5	14	129	11	2471
2	7.4	18	138	12	1833
3	7.3	12	126	16	2406
4	7.3	12	178	18	2213
5	7.4	13	175	19	2211
6	7.0	11	172	17	1976
7	7.4	12	177	17	2220
8	7.3	13	111	19	1618
9	7.6	15	121	18	2031
10	7.5	15	186	18	2153
11	7.5	13	188	19	2340
12	7.5	16	118	11	2550
13	7.3	16	121	10	2049
14	7.2	11	173	18	2771
15	7.2	13	162	18	2032
16	7.3	13	166	19	2037
17	7.5	14	137	16	2451
18	7.3	16	142	16	2765
19	7.2	17	157	16	2224
20	7.4	18	172	18	2077
21	7.3	11	166	17	2477
22	7.1	14	172	17	1970
23	7.3	15	156	16	2085
24	7.1	17	115	18	2247
25	7.2	13	125	12	2223
26	7.5	15	130	13	2497
27	7.3	18	183	18	2061
28	7.5	17	101	10	2199
29	7.7	12	165	17	2059
30	7.8	22	182	18	2210
31	7.3	20	164	19	2174
Average	7.4	15	152	16	2214

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ZZK/CLAB-KSPCB/04/5062
06-09-2017

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 August 2017

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

WEST COAST PAPER MILLS LIMITED
CENTRAL LABORATORY (IPC)

Report analysis of stack emission showing performance of air pollution control for the month of
Aug-2017

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	100,755	Particulates	150	55
				H ₂ S	10	0.98
2	Chemical Recovery Boiler -II	2,25,720	167,429	Particulates	150	58
				H ₂ S	10	1.04
3	Rotary Lime Kiln-I	20,000	5,395	Particulates	150	8
4	Rotary Lime Kiln -II	39,600	7,868	Particulates	150	9
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	94,258	Particulates	150	24
8	FBC Boiler - IV	1,44,108	105,357	Particulates	150	59

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

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

Analysis Report of Ambient Air Quality monitoring for the month of August 2017

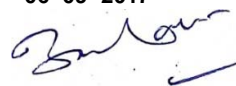
SL.No.	Characteristic	NAAQ STD	Unit	Fire station	P.M/c Old Clarifier	P.MIII Old Clarifier	Kerwad Village
I	Ambient Air Quality						
	i] Suspended Particulate Matter PM 2.5	60	µg/m ³	31.0	28.0	32.0	29.0
	ii] Suspended Particulate Matter PM 10	100	µg/m ³	70.0	64.0	67.0	60.0
	iv] Sulphur Dioxide [SO ₂]	80	µg/m ³	10.0	13.0	11.0	9.0
	v] Oxidles of Nitrogen[NOx]	80	µg/m ³	26.0	27.0	25.0	22.0
	vi] Hydrogen Sulphide [H ₂ S]	-	µg/m ³	Negl	Negl	Negl	Negl

Meteorological Data For month of August 2017

				1 st Week	2 nd Week	3 rd Week	4 th Week
II	Meteorological Data						
	i] Wind Velocity	-	KM/hr	2.48	2.90	3.15	2.38
	ii] Wind Direction	-		SEE	NNW	SE	W
	iii] Temperature						
	Maximum	-	° C	29.0	31.0	29.0	30.0
	Minimum	-	° C	21.0	20.0	20.0	21.0
	iv] Relative Humidity,						
	Maximum						
	Morning	-	%	98	97	97	98
	Evening	-	%	74	78	74	76
	Minimum						
	Morning	-	%	91	91	88	91
	Evening	-	%	67	68	65	70
	Total Rainfall	-	mm	24.200	1.000	39.750	42.000

Date : 06-09-2017

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

West Coast Paper Mills Ltd Dandeli
Central laboratory (IPC)

Details of Fly ash & Bottom ash generation & Disposal practice for the month of August 2017 and for the year 2017-2018.

S.No	Particulars	2017 – 2018			
		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	1,885	12,201	4,790	23,395
2.0	Disposal Details				
2.1.0	Cement Industries				
2.1.1	JK cement	Nil	Nil	Nil	655
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	655
2.2.0	Brick / Block manufacturing Industries				
2.2.1	Hubli	26	2,632	391	4,444
2.2.2	Kali Nirmiti Kendra , Dandeli / Nearby area	1,859	8,055	4,399	16,231
2.2.3	Others	Nil	1,514	Nil	2,064
2.2.4	Sub Total	1,885	12,201	4,790	23,395
2.3.0	Grand Total Of Disposed quantity SI.No (SI. No 2.1.0+ 2.2.0)	1,885	12,201	4,790	23,395

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

Monthly Report- ETP**Month: August****Year: 2017**

Date	PM10 µg/m³	PM 2.5 µg/m³	H₂S µg/m³	SO₂ µg/m³	NOx µg/m³
8/1/2017	33.83	18.04	0.38	11.28	37.22
8/2/2017	26.46	14.21	0.29	8.82	29.10
8/3/2017	24.54	13.19	0.27	8.18	27.00
8/4/2017	27.42	14.73	0.30	9.14	30.16
8/5/2017	29.79	16.01	0.33	9.93	32.77
8/6/2017	32.04	17.21	0.36	10.68	35.25
8/7/2017	27.75	14.91	0.31	9.25	30.53
8/8/2017	27.17	14.60	0.30	9.06	29.88
8/9/2017	30.67	16.48	0.34	10.22	33.73
8/10/2017	31.04	16.85	0.34	10.35	34.15
8/11/2017	30.71	16.24	0.34	10.24	33.78
8/12/2017	26.63	14.08	0.30	8.88	29.29
8/13/2017	20.75	10.97	0.23	6.92	22.83
8/14/2017	26.54	14.04	0.29	8.85	29.20
8/15/2017	33.33	17.63	0.37	11.11	36.67
8/16/2017	27.42	14.50	0.30	9.14	30.16
8/17/2017	20.21	10.52	0.22	6.74	22.23
8/18/2017	24.25	12.82	0.27	8.08	26.68
8/19/2017	23.54	12.34	0.26	7.85	25.90
8/20/2017	26.33	13.80	0.29	8.78	28.97
8/21/2017	28.00	14.68	0.31	9.33	30.80
8/22/2017	23.41	13.04	0.28	10.41	29.85
8/23/2017	25.89	12.42	0.34	7.52	28.45
8/24/2017	26.74	10.08	0.36	8.04	29.36
8/25/2017	28.88	13.45	0.29	6.95	31.14
8/26/2017	27.84	14.05	0.32	7.85	30.02
8/27/2017	23.65	12.85	0.33	9.41	28.85
8/28/2017	29.54	12.41	0.28	6.80	34.15
8/29/2017	26.13	13.69	0.29	8.71	28.74
8/30/2017	23.92	12.54	0.27	7.97	26.31
8/31/2017	21.21	11.12	0.24	7.07	23.33
Average	26.96	13.98	0.30	8.82	29.89

Monthly Report- GEN OFFICE**Month: August****Year: 2017**

Date	PM10 mg/m³	PM 2.5 mg/m³	H₂S mg/m³	SO₂ mg/m³	NOx mg/m³
8/1/2017	33.92	15.11	0.38	11.31	37.31
8/2/2017	33.25	14.82	0.37	11.08	36.58
8/3/2017	24.54	10.93	0.27	8.18	27.00
8/4/2017	17.17	7.65	0.19	5.72	18.88
8/5/2017	26.04	11.60	0.29	8.68	28.65
8/6/2017	17.75	7.91	0.20	5.92	19.53
8/7/2017	24.92	11.10	0.28	8.31	27.41
8/8/2017	45.38	21.34	0.06	15.13	26.54
8/9/2017	34.33	15.30	0.38	11.44	37.77
8/10/2017	37.33	17.02	0.41	12.44	41.07
8/11/2017	21.79	9.93	0.24	7.26	23.97
8/12/2017	29.00	13.22	0.32	9.67	31.90
8/13/2017	24.75	11.28	0.28	8.25	27.23
8/14/2017	30.17	13.75	0.34	10.06	33.18
8/15/2017	33.79	15.40	0.38	11.26	37.17
8/16/2017	31.50	14.36	0.35	10.50	34.65
8/17/2017	19.08	8.70	0.21	6.36	20.99
8/18/2017	18.50	8.43	0.21	6.17	20.35
8/19/2017	20.58	9.38	0.23	6.86	22.64
8/20/2017	17.30	7.89	0.19	5.77	19.03
8/21/2017	22.33	10.18	0.25	7.44	24.57
8/22/2017	21.14	12.25	0.21	8.25	21.41
8/23/2017	28.25	11.10	0.36	10.58	20.02
8/24/2017	26.56	9.25	0.25	11.14	22.26
8/25/2017	34.48	10.01	0.34	6.58	24.15
8/26/2017	32.52	15.54	0.26	6.14	23.32
8/27/2017	29.78	10.15	0.27	5.58	25.52
8/28/2017	31.45	8.52	0.18	6.45	21.03
8/29/2017	27.63	12.59	0.31	9.21	30.39
8/30/2017	29.17	13.30	0.32	9.72	32.08
8/31/2017	27.75	12.65	0.31	9.25	30.53
Average	27.49	11.96	0.28	8.73	27.33

Monthly Report- Maruti Temple**Month: August****Year: 2017**

Date	PM10 mg/m³	PM 2.5 mg/m³	H₂S mg/m³	SO₂ mg/m³	NOx mg/m³
8/1/2017	33.25	15.64	0.04	11.08	36.58
8/2/2017	28.96	13.62	0.04	9.65	31.85
8/3/2017	20.38	9.58	0.03	6.79	22.41
8/4/2017	16.33	7.68	0.02	5.44	17.97
8/5/2017	23.25	10.93	0.03	7.75	25.58
8/6/2017	41.79	19.65	0.05	13.93	45.97
8/7/2017	35.38	16.64	0.04	11.79	38.91
8/8/2017	45.38	21.34	0.06	15.13	49.91
8/9/2017	41.88	19.69	0.05	13.96	46.06
8/10/2017	40.75	19.16	0.05	13.58	44.83
8/11/2017	32.04	15.07	0.04	10.68	35.25
8/12/2017	29.79	14.01	0.04	9.93	32.77
8/13/2017	37.38	17.39	0.05	12.46	41.11
8/14/2017	43.13	20.06	0.05	14.38	47.44
8/15/2017	46.63	21.69	0.06	15.54	51.29
8/16/2017	43.96	20.45	0.05	14.65	48.35
8/17/2017	33.96	14.20	0.04	11.32	37.35
8/18/2017	39.92	18.57	0.05	13.31	43.91
8/19/2017	47.54	22.12	0.06	15.85	52.30
8/20/2017	42.71	19.87	0.05	14.24	46.98
8/21/2017	42.29	19.67	0.05	14.10	46.52
8/22/2017	39.54	19.58	0.05	11.25	40.05
8/23/2017	38.47	22.54	0.04	14.74	41.14
8/24/2017	41.12	19.52	0.05	14.02	47.44
8/25/2017	40.02	21.15	0.05	13.25	40.05
8/26/2017	42.25	20.45	0.05	15.58	41.12
8/27/2017	39.85	18.02	0.04	14.45	41.25
8/28/2017	34.15	18.45	0.06	13.52	48.25
8/29/2017	41.75	19.42	0.05	13.92	45.93
8/30/2017	47.54	22.12	0.06	15.85	52.30
8/31/2017	43.83	20.39	0.05	14.61	48.22
Average	37.91	18.02	0.05	12.80	41.58

Monthly Report- Material Gate**Month: August****Year: 2017**

Date	PM10 mg/m³	PM 2.5 mg/m³	H₂S mg/m³
8/1/2017	40.33	16.33	0.54
8/2/2017	42.25	17.10	0.56
8/3/2017	41.21	16.68	0.55
8/4/2017	43.08	17.44	0.57
8/5/2017	46.29	18.74	0.62
8/6/2017	52.00	21.05	0.69
8/7/2017	44.54	18.03	0.59
8/8/2017	50.50	20.44	0.67
8/9/2017	48.17	19.50	0.64
8/10/2017	49.38	19.99	0.66
8/11/2017	44.75	18.12	0.60
8/12/2017	48.00	18.53	0.64
8/13/2017	49.38	19.06	0.66
8/14/2017	48.08	18.56	0.64
8/15/2017	47.54	18.36	0.63
8/16/2017	50.58	19.53	0.67
8/17/2017	51.88	19.74	0.69
8/18/2017	42.00	16.22	0.56
8/19/2017	51.71	19.25	0.69
8/20/2017	49.46	18.42	0.66
8/21/2017	50.88	18.94	0.68
8/22/2017	51.41	18.95	0.57
8/23/2017	41.85	18.05	0.59
8/24/2017	49.57	19.42	0.58
8/25/2017	50.06	12.45	0.68
8/26/2017	52.25	17.74	0.58
8/27/2017	54.68	18.58	0.64
8/28/2017	50.05	17.45	0.68
8/29/2017	28.21	10.50	0.38
8/30/2017	42.71	15.90	0.57
8/31/2017	50.458	18.789	0.673
Average	47.20	18.00	0.62

Monthly Report- FBC-3**Month: August****Year: 2017**

Date	SPM mg/m³	SO₂ mg/m³	NO mg/m³	NO₂ mg/m³	NOx mg/m³
8/1/2017	19.06	197.67	12.35	2.75	27.18
8/2/2017	18.13	188.00	11.75	2.61	25.85
8/3/2017	14.65	152.00	9.50	2.11	20.90
8/4/2017	23.81	247.00	15.44	3.43	33.96
8/5/2017	22.43	232.67	14.54	3.23	31.99
8/6/2017	22.40	232.33	14.52	3.23	31.95
8/7/2017	17.96	186.33	11.65	2.59	25.62
8/8/2017	23.85	247.33	15.46	3.44	34.01
8/9/2017	25.68	266.33	16.65	3.70	36.62
8/10/2017	27.45	284.67	17.79	3.95	39.14
8/11/2017	24.71	256.33	16.02	3.56	35.25
8/12/2017	21.66	224.67	14.04	3.12	30.89
8/13/2017	25.65	266.00	16.63	3.69	36.58
8/14/2017	22.34	231.67	14.48	3.22	31.85
8/15/2017	23.91	248.00	15.50	3.44	34.10
8/16/2017	11.31	117.33	7.33	1.63	16.13
8/17/2017	13.63	141.33	8.83	1.96	19.43
8/18/2017	17.84	185.00	11.56	2.57	25.44
8/19/2017	20.37	211.33	13.21	2.94	29.06
8/20/2017	16.65	172.67	10.79	2.40	23.74
8/21/2017	15.59	161.67	10.10	2.25	22.23
8/22/2017	19.54	258.58	14.54	2.08	27.48
8/23/2017	20.14	224.15	13.52	2.45	30.14
8/24/2017	15.65	236.58	15.45	2.24	31.15
8/25/2017	14.48	178.85	13.67	1.94	32.25
8/26/2017	16.35	205.56	15.52	2.58	29.85
8/27/2017	15.85	224.15	14.41	2.98	26.48
8/28/2017	21.14	185.52	15.02	2.41	29.85
8/29/2017	16.68	173.00	10.81	2.40	23.79
8/30/2017	15.59	161.67	10.10	2.25	22.23
8/31/2017	16.39	170.00	10.63	2.36	23.38
Average	19.38	208.66	13.28	2.76	28.66

Monthly Report- FBC-4**Month: August****Year: 2017**

Date /Time	SPM	SO₂	NO	NO₂	NOx
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³
8/1/2017	34.13	273.00	17.06	3.79	37.54
8/2/2017	32.88	263.00	16.44	3.65	36.16
8/3/2017	23.58	188.67	11.79	2.62	25.94
8/4/2017	32.75	262.00	16.38	3.64	36.03
8/5/2017	31.46	251.67	15.73	3.50	34.60
8/6/2017	24.54	27.00	9.82	2.50	27.00
8/7/2017	33.83	270.67	16.92	3.76	37.22
8/8/2017	33.79	270.33	16.90	3.75	37.17
8/9/2017	29.08	232.67	14.54	3.23	31.99
8/10/2017	37.00	296.00	18.50	4.11	40.70
8/11/2017	33.25	266.00	16.63	3.69	36.58
8/12/2017	31.75	254.00	15.88	3.53	34.93
8/13/2017	33.71	269.67	16.85	3.75	37.08
8/14/2017	32.58	260.67	16.29	3.62	35.84
8/15/2017	24.38	195.00	12.19	2.71	26.81
8/16/2017	10.96	87.67	5.48	1.22	12.05
8/17/2017	29.08	232.67	14.54	3.23	31.99
8/18/2017	25.58	204.67	12.79	2.84	28.14
8/19/2017	32.04	256.33	16.02	3.56	35.25
8/20/2017	31.17	249.33	15.58	3.46	34.28
8/21/2017	24.92	199.33	12.46	2.77	27.41
8/22/2017	34.13	273.00	17.06	3.79	37.54
8/23/2017	29.08	232.67	14.54	3.23	31.99
8/24/2017	33.83	270.67	16.92	3.76	37.22
8/25/2017	32.58	260.67	16.29	3.62	35.84
8/26/2017	24.38	195.00	12.19	2.71	26.81
8/27/2017	31.75	254.00	15.88	3.53	34.93
8/28/2017	29.08	232.67	14.54	3.23	31.99
8/29/2017	32.38	259.00	16.19	3.60	35.61
8/30/2017	34.83	278.67	17.42	3.87	38.32
8/31/2017	29.04	232.33	14.52	3.23	31.95
Average	30.11	235.45	14.98	3.34	33.13

Monthly Report- RLK-1**Month: August****Year: 2017**

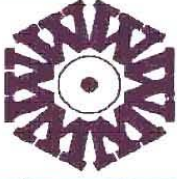
Date /Time	SPM	SO₂	NO	NO₂	NOx
	mg/m³	mg/m³	mg/m³	mg/m³	mg/m³
8/1/2017	33.25	36.58	13.30	3.39	36.58
8/2/2017	27.83	30.62	11.13	2.84	30.62
8/3/2017	22.71	24.98	9.08	2.32	24.98
8/4/2017	29.00	31.90	11.60	2.96	31.90
8/5/2017	30.17	33.18	12.07	3.08	33.18
8/6/2017	24.54	27.00	9.82	2.50	27.00
8/7/2017	29.00	31.90	11.60	2.96	31.90
8/8/2017	31.08	34.19	12.43	3.17	34.19
8/9/2017	32.38	35.61	12.95	3.30	35.61
8/10/2017	29.00	31.90	11.60	2.96	31.90
8/11/2017	30.08	33.09	12.03	3.07	33.09
8/12/2017	31.50	34.65	12.60	3.21	34.65
8/13/2017	28.08	30.89	11.23	2.87	30.89
8/14/2017	29.63	32.59	11.85	3.02	32.59
8/15/2017	32.38	35.61	12.95	3.30	35.61
8/16/2017	10.96	12.05	4.38	1.12	12.05
8/17/2017	14.67	16.13	5.87	1.50	16.13
8/18/2017	28.96	31.85	11.58	2.95	31.85
8/19/2017	25.63	28.19	10.25	2.61	28.19
8/20/2017	26.50	29.15	10.60	2.70	29.15
8/21/2017	18.17	19.98	7.27	1.85	19.98
8/22/2017	27.83	35.61	12.95	3.30	35.61
8/23/2017	32.38	35.61	12.95	3.30	35.61
8/24/2017	27.48	32.45	12.24	3.25	31.90
8/25/2017	28.08	30.89	11.23	2.87	30.89
8/26/2017	14.67	16.13	5.87	1.50	16.13
8/27/2017	30.25	29.52	11.60	2.96	31.90
8/28/2017	26.63	24.47	12.07	3.08	33.18
8/29/2017	21.04	23.15	8.42	2.15	23.15
8/30/2017	31.00	34.10	12.40	3.16	34.10
8/31/2017	26.46	29.10	10.58	2.70	29.10
Average	26.82	29.45	10.86	2.77	29.79

Monthly Report- RLK-2**Month: August****Year: 2017**

Date	SPM mg/m³	SO₂ mg/m³	NO mg/m³	NO₂ mg/m³	NOx mg/m³
8/1/2017	34.00	51.00	13.60	3.47	44.20
8/2/2017	29.92	44.88	11.97	3.05	38.89
8/3/2017	29.08	43.63	11.63	2.97	37.81
8/4/2017	30.88	46.31	12.35	3.15	40.14
8/5/2017	34.38	51.56	13.75	3.51	44.69
8/6/2017	25.52	47.69	12.72	3.24	41.33
8/7/2017	33.83	50.75	13.53	3.45	43.98
8/8/2017	33.25	49.88	13.30	3.39	43.23
8/9/2017	31.21	46.81	12.48	3.18	40.57
8/10/2017	34.08	51.13	13.63	3.48	44.31
8/11/2017	35.08	52.63	14.03	3.58	45.61
8/12/2017	32.38	48.56	12.95	3.30	42.09
8/13/2017	34.13	51.19	13.65	3.48	44.36
8/14/2017	35.08	52.63	14.03	3.58	45.61
8/15/2017	34.79	52.19	13.92	3.55	45.23
8/16/2017	12.59	18.89	5.04	1.29	16.37
8/17/2017	21.75	32.63	8.70	2.22	28.28
8/18/2017	32.75	49.13	13.10	3.34	42.58
8/19/2017	32.67	49.00	13.07	3.33	42.47
8/20/2017	31.21	46.81	12.48	3.18	40.57
8/21/2017	28.96	43.44	11.58	2.95	37.65
8/22/2017	25.21	44.30	12.25	3.32	38.47
8/23/2017	19.65	47.65	11.41	3.14	39.65
8/24/2017	26.54	50.14	7.85	3.25	35.47
8/25/2017	21.14	52.25	13.25	3.74	36.52
8/26/2017	28.57	41.10	14.22	2.25	32.69
8/27/2017	25.57	37.45	13.25	3.05	34.41
8/28/2017	26.52	39.54	10.41	3.41	38.52
8/29/2017	25.92	38.88	10.37	2.64	33.69
8/30/2017	34.21	51.31	13.68	3.49	44.47
8/31/2017	29.75	44.63	11.90	3.04	38.68
Average	29.37	46.06	12.26	3.16	39.44

Monthly Report- BHEL**Month: August****Year: 2017**

Date	SPM mg/m³	SO₂ mg/m³	NO mg/m³	NO₂ mg/m³	NOx mg/m³
8/1/2017	23.96	87.38	19.42	14.56	36.95
8/2/2017	19.02	69.38	15.42	11.56	29.34
8/3/2017	22.86	83.38	18.53	13.90	35.26
8/4/2017	26.63	97.13	21.58	16.19	41.08
8/5/2017	24.64	89.88	19.97	14.98	38.01
8/6/2017	22.34	81.50	18.11	13.58	34.47
8/7/2017	20.49	74.75	16.61	12.46	31.61
8/8/2017	15.39	56.13	12.47	9.35	23.74
8/9/2017	15.39	56.13	12.47	9.35	23.74
8/10/2017	24.40	89.00	19.78	14.83	37.64
8/11/2017	23.89	87.13	19.36	14.52	36.85
8/12/2017	18.78	68.50	15.22	11.42	28.97
8/13/2017	18.95	69.13	15.36	11.52	29.23
8/14/2017	15.87	57.88	12.86	9.65	24.48
8/15/2017	21.90	79.88	17.75	13.31	33.78
8/16/2017	17.52	73.00	16.22	12.17	31.23
8/17/2017	16.04	58.50	13.00	9.75	24.74
8/18/2017	19.29	70.38	15.64	11.73	29.76
8/19/2017	19.36	70.63	15.69	11.77	29.87
8/20/2017	17.75	64.75	14.39	10.79	27.38
8/21/2017	17.00	62.00	13.78	10.33	26.22
8/22/2017	14.41	59.58	13.45	12.24	25.48
8/23/2017	12.52	68.52	14.25	14.02	26.54
8/24/2017	13.69	69.52	15.25	9.58	26.35
8/25/2017	10.15	70.05	13.45	9.63	21.24
8/26/2017	15.28	71.14	12.52	10.02	25.52
8/27/2017	11.59	69.58	15.25	14.45	26.58
8/28/2017	11.69	68.57	18.45	11.25	24.15
8/29/2017	17.62	64.25	14.28	10.71	27.17
8/30/2017	25.39	92.63	20.58	15.44	39.17
8/31/2017	22.82	83.25	18.50	13.88	35.21
Average	18.60	73.01	16.12	12.22	30.06



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



ZZK/CLAB-KSPCB/04/5063
06-09-2017

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 29th of August 2017.

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 (IPC)

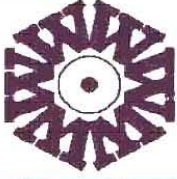
Analysis report of treated trade effluent along with treated colony sewage
(samples collected jointly by K.S.P.C.B. officials KARWAR and Central Laboratory-IPC)
personnel on **29-08-2017**

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	67 CPU & odourless
1	Colour & Odour		
2	Suspended solids mg/l	50.0 [max]	20
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]	484
5	Temperature ° C	Shall not exceed 40 ° C in any section of the stream within 15 mts. Down stream from the effluent outlet	34
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]	1.2
11	Free Ammonia [as NH ₃] mg/l	5.0 [max]	Nil
12	Bio Chemical Oxygen Demand [3 days at 27 ° C] mg/l	30.0 [max]	11
13	Chemical Oxygen Demand mg/l	250.0 [max]	110
14	Chloride [as Cl] mg/l	350.0 [max]	131
15	Dissolved Phosphate [as P] mg/l	5.0 [max]	0.01
16	Sulphate [as SO ₄] mg/l	1000.0 [max]	58
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 : 06-09-2017

Signature : 
Name : **B H Kathi**
President Technical

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



WEST COAST PAPER MILLS LTD.,

Regd. Office & Works : P.B. No.5, Bangur Nagar, DANDELI-581 325, Dist. Uttar Kannada (Karnataka) India
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ZZK/CLAB-KSPCB/04/5064
06-09-2017

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

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 August 2017.

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 used 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,
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

West Coast Paper Mills Ltd Dandeli
Central Laboratory (IPC)

Details of Lubricating waste oil And Furnance oil sludge

August-2017

	S.No	Particulars	Quantity (KL)		Category (5.1)
			For the Month	For the Year from April 2017 to March 2018	
I		<u>LUBRICATING WASTE OIL</u>			
	1.0	Total generation	Nil		2.000
	2.0	Total Quantity Disposed	Nil		2.000
	2.3	Balance in storage yard	Nil		Nil

II		<u>FURNANCE OIL SLUDGE</u>	Quantity (KL)	Category (3.3)
	1.0	Total generation	Nil	Nil
	2.0	Total Quantity Disposed	Nil	Nil
	2.1	Recycled in RLK	Nil	Nil
	2.2	Closing Balance	Nil	Nil

III		<u>E – Waste</u>	Quantity in (Kgs)	
			For the Year from April 2017 to March 2018	
	2.0	Total Quantity Disposed	Nil	Nil

IV		<u>Non Ferrous scrap</u>	Quantity in (Kgs)	
	1.0	Scrap copper rewinding wire and copper cable	Nil	1560

V	1.0	<u>Scrap used Batteries</u>	Nil	2240
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Date : 06 -09 -2017

Signature : 

Name : B H Rathi
President Technical

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