Water Quality of River Sai in Uttar Pradesh

Year 2019

S. No.	Month	Sampling Points																							
		Sai river,Bani, Unnao			Sai river, Sirsaghat, Raibareli			Sai river, Rajghat,Raibareli			Sai river, Picnic spot Raibareli,			Sai river,Gaighat Raibareli, Pratapgarh			Sai river,Belamai Ghat, Pratapgarh			Sai Nadi,at D/s Stream Pratapgarh,near Railway Bridge			Sai Nadi,Jalalpur, Jaunpur		
		D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)	D.O. (mg/l)	B.O.D. (mg/l)	Total Coliform (MPN/100ml)
1	January	8.4	3.1	4600	7.8	4.1	7000	4.1	4.9	7900	6.5	5.1	8300	7.0	4.8	8000	7.2	4.7	7800	6.4	5.2	8500	8.3	3.2	14000
2	February	7.9	3.3	4800	7.7	4.0	7100	7.0	4.8	7800	6.2	4.9	8200	6.9	4.7	7900	7.0	4.8	7600	6.1	5.0	8600	8.6	3.1	11000
3	March	8.4	3.4	5400	7.0	4.2	7200	6.0	4.7	7900	5.8	4.9	8300	6.8	4.6	8100	7.0	4.5	8000	5.6	4.9	8700	8.4	3.0	13000
4	April	7.7	3.6	5800	7.2	4.3	7600	5.6	5.1	8600	5.5	5.0	8500	7.2	4.5	8100	7.0	5.1	8200	5.4	5.2	8900	8.1	3.3	14000
5	May	7.1	3.4	6300	7.0	4.5	7800	5.8	6.0	8700	5.6	6.2	8900	6.7	4.8	8100	6.8	4.6	8300	5.6	6.3	9100	7.8	3.4	14000
6	June	*	*	*	6.5	4.8	7700	5.7	5.6	8600	5.5	5.9	8800	6.2	5.0	8200	6.3	4.9	7900	5.5	6.1	8900	7.8	3.5	17000
7	July	*	*	*	6.8	4.6	7100	6.5	4.8	8100	6.3	4.9	8300	6.5	4.7	8000	6.6	4.5	7900	6.0	4.8	8400	7.4	3.8	14000
8	August	5.6	2.7	4100	7.0	4.2	5400	6.8	4.6	7200	6.6	4.7	7700	6.9	4.3	6700	7.0	4.2	6900	6.2	4.9	8100	6.7	3.9	11000
9	September	6.1	2.9	5400	7.2	3.9	5900	6.5	4.6	7800	6.2	4.9	8200	6.9	4.4	7200	7.0	4.2	7000	6.0	4.9	8600	6.8	3.7	13000
10	October	6.1	2.9	5400	7.0	4.0	6900	6.0	4.7	8000	5.8	5.0	8300	6.5	4.6	7300	6.6	4.4	7100	5.7	4.9	8800	6.7	3.8	11000
11	November	7.7	3.0	5800	7.8	4.0	6800	7.0	4.6	8100	6.6	4.8	8600	6.9	4.5	7900	7.1	4.3	7800	6.0	4.7	8800	7.2	3.6	11000
12	December	8.5	3.4	4300	7.5	4.1	6900	7.2	4.4	8200	6.8	4.6	8600	7.1	4.5	7700	7.0	4.2	7200	6.2	4.6	8700	8.5	3.4	9400
	Average	**7.4**	**3.2**	**5190**	**7.2**	**4.2**	**6950**	**6.2**	**4.9**	**8075**	**6.1**	**5.1**	**8392**	**6.8**	**4.6**	**7767**	**6.9**	**4.5**	**7642**	**5.9**	**5.1**	**8675**	**7.7**	**3.5**	**12700**
	Category	D			D			D			D			D			D			D			D		

Note- * Dry River

Class of water		A	B	C	D	E	Below E
1	Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	_	_
2	Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	_	_	_
3	Total Coliform (MPN/100ml), max	50	500	5000	_	_	_

A = Drinking water source without conventional treatment but after disinfection

B= Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, Industrial cooling, controlled waste disposal

Below - E = Not meeting A,B,C,D & E criteria

Source: http://www.cpcb.nic.in/Water_Quality_Criteria.php

Vinay Dubey
S.A.

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