

PUNJAB POLLUTION CONTROL BOARD, VATAVARAN BHAVAN, PATIALA
MONTHLY MONITORING OF STPs
MONTH MARCH, 2018

Parameters	STPs at LUDHIANA (PWSSB)					STPs at Pholriwal Jalandhar (PWSSB)	Mohali Sector 83	Basti Peer Dad	Jagraon	Phagwara	Phillour	Phillour	Sultanpur Lodhi	Kapurthala	Mullanpur	Talwandi Sabo	Sardulgarh	Sunam	Shri Hargobindpur	Payal	Sahnewal	Maloudh	KhapperKheri	Malak Jagraon
	Jamalpur	Bhattian		Baloke																				
	48 MLD	111 MLD	50 MLD	152 MLD	105 MLD	100 MLD	45.4 MLD	50 MLD	16 MLD	20 MLD	3 MLD	2.6 MLD	2.6 MLD	25 MLD	3 MLD	3 MLD	4 MLD	-	-	1.5 MLD	7 MLD	1.5 MLD	-	12 MLD
Date of Receipt	28/3	28/3	28/3	28/3	28/3	15/3	15/3	15/3	28/3	15/3	20/3	15/3	15/3	15/3	14/3	17/3	19/3	17/3	-	9/3	9/3	9/3	14/3	28/3
pH	7.31	7.20	7.23	7.87	7.24	7.1	7.9	7.6	7.39	7.4	7.6	7.8	8.0	7.1	7.6	7.6	7.7	8.2	7.1	8.6	7.65	7.66	7.3	7.18
BOD mg/l	200	105	27	108	113	27	62	37	27	44	13	33	23	34	24	9	42	7	12	40	33	39	36	10
COD mg/l	592	320	108	312	344	124	210	138	100	204	48	124	96	140	100	38	166	28	48	160	124	148	114	48
TSS mg/l	219	80	28	96	90	32	106	42	25	44	55	46	26	41	48	11	100	10	18	49	41	43	86	19
Total Coliform MPN/100ml	11000	43000	7900	47000	17000	6300	4000	5800	6300	4800	6300	7000	8400	8400	3400	4000	5800	-	4900	4800	3400	6300	4800	2600
Feacal Coliform MPN/100ml	78000	11000	1100	22000	8300	1100	1100	1100	1700	1200	1300	1400	1700	1300	1000	1200	1300	920	1700	1200	1000	1700	1000	920
PO ₄ -P mg/l	-	-	-	-	-	-	2.1	2.1	-	4.4	4.0	1.4	1.3	3.8	-	1.1	1.8	1.2	-	-	-	-	3.9	-
Ammonical Nitrogen as N mg/l	-	-	4.0	5.2	4.8	16.0	6.5	26.8	4.0	15.2	11	22.6	14.6	18.0	-	9.0	30.9	1.8	-	-	-	-	32.8	3.0
Nitrogen Total mg/l	-	-	-	9.4	8.4	24.0	8.2	34.4	8.0	36.8	20	28.4	20.2	26.0	-	12.4	41.6	2.2	-	-	-	-	44.8	6.0
SAR	10.1	10.4	5.84	5.5	5.6	2.6	3.6	2.4	5.0	4.8	-	-	-	2.2	4.92	-	-	-	-	5.0	4.8	5.2	2.2	4.8
E.C. µs/cm	-	-	1472	1278	1145	-	1274	1187	1318	1907	1166	1339	997	846	-	-	-	-	-	-	-	-	1500	962
RSC meq/l	-	-	-	-	-	1.2	2.4	0.8	-	2.0	-	-	-	1.6	0.68	-	-	-	-	0.4	0.4	0.5	1.0	-
Sulphate mg/l	-	-	-	-	-	82	103	86	-	108	110	89	54	59	38	54	98	-	-	70	60	68	-	-
Mn mg/l	0.81	0.74	0.48	0.68	0.36	0.1	-	0.17	0.30	-	-	-	-	-	BDL	-	-	-	-	0.18	0.10	0.32	-	0.23
Zn mg/l	3.09	1.48	0.8	1.76	0.58	0.2	-	0.31	0.28	-	-	-	-	-	0.20	-	-	-	-	0.20	0.14	0.22	-	0.26
Fe mg/l	10.57	2.83	4.0	3.78	2.29	0.4	-	1.37	1.48	-	-	-	-	-	0.98	-	-	-	-	1.28	1.39	1.14	-	1.2
T. Cr. mg/l	0.83	0.18	BDL	0.30	BDL	BDL	-	0.24	BDL	-	-	-	-	-	BDL	-	-	-	-	-	BDL	BDL	-	BDL
As mg/l	-	-	-	-	-	BDL	-	BDL	-	-	-	-	-	-	BDL	-	-	-	-	-	BDL	-	-	-
Ni mg/l	0.31	0.24	BDL	0.24	BDL	0.1	-	BDL	BDL	-	-	-	-	-	BDL	-	-	-	-	-	BDL	-	-	BDL
Pb mg/l	-	-	BDL	BDL	BDL	BDL	-	BDL	BDL	-	-	-	-	-	BDL	-	-	-	-	BDL	BDL	BDL	-	BDL
Cd mg/l	-	-	BDL		BDL	BDL	-	BDL	BDL	-	-	-	-	-	BDL	-	-	-	-	-	BDL	-	-	BDL

BDL means below Method Detection Limit

PUNJAB POLLUTION CONTROL BOARD, VATAVARAN BHAVAN, PATIALA
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Parameters	Naya Nangal (PWSSB)		Anandpur Sahib	Samana	Rampura Phul	Buchu Mandi	Mansa	Budhlada	Bhikhi	PUDA Patiala	Zirakpur	Jalalabad	Moga	Goniana Mandi	Bathinda	Malout	Kharar	Malout
	MC	BBMB																
	8.0 MLD	6.75 MLD	8 MLD	10 MLD	7.5 MLD	4 MLD	14 MLD	6.5 MLD	3 MLD	13 MLD	17.3 MLD	8 MLD	27 MLD	3 MLD	52 MLD	10 MLD	11 MLD	3 MLD
Date of Receipt	17/3	17/3	17/3	15/3	19/3	17/3	19/3	19/3	19/3	15/3	15/3	16/3	16/3	17/3	17/3	17/3	15/3	17/3
pH	7.1	7.4	7.4	7.7	7.3	7.8	7.4	8.4	8.6	7.7	7.0	7.9	8.2	8.3	7.5	7.7	8.2	8.6
BOD mg/l	40	25	12	14	108	120	45	31	38	12	7	160	12	45	9	19	7	60
COD mg/l	147	84	43	60	332	366	181	129	148	48	28	439	56	158	53	80	28	206
TSS mg/l	62	15	19	10	164	42	120	40	71	13	11	113	18	30	7	25	14	66
Total Coliform MPN/100ml	3400	3900	2100	4600	7000	11000	6300	4700	4900	3400	2600	4700	2400	4100	3400	3200	3200	3800
Faecal Coliform MPN/100ml	1000	1100	920	1100	1400	3100	1300	1000	1100	930	680	1200	920	1000	1000	930	930	1100
PO₄-P mg/l	2.5	1.5	1.0	1.6	2.7	3.4	2.0	1.6	2.1	0.8	1.0	0.2	0.5	2.0	1.0	1.3	1.3	2.9
Ammonical Nitrogen as N mg/l	5.7	4.8	5.7	21.3	23.5	33.6	27.6	24.7	19.0	7.6	BDL	17.5	1.0	40.0	7.8	34.2	3.0	16.8
Nitrogen Total mg/l	5.9	5.3	6.8	28.2	32.6	45.4	37.5	32.5	24.8	10.2	BDL	19.3	1.2	54.6	9.8	44.6	4.1	28.4
SAR	-	-	-	2.52	-	-	5.93	-	-	2.36	2.2	7.4	4.4	-	3.26	3.04	4.2	-
E.C. µs/cm	-	-	-	1341	-	-	2066	-	-	1010	1078	2040	1444	-	1620	2673	648	-
RSC meq/l	-	-	-	0.12	-	-	6.08	-	-	-1.96	2.4	3.9	2.3	-	1.6	5.0	2.3	-
Sulphate mg/l	49	41	62	104	106	158	137	532	119	76	79	223	136	101	108	181	54	240

BDL means below Method Detection Limit

PUNJAB POLLUTION CONTROL BOARD, VATAVARAN BHAVAN, PATIALA
MONTHLY MONITORING OF STPs
MONTH March, 2018

Parameters	Kot Fatta	Dera Baba Nanak	Zira	Muktsar	Muktsar	Patiala	Rasoolpur	Banur	Abohar	STP Bhari Haveli	Sadabarat	Kurali Town	Makhu	Ablowal, Patiala	Burari	Mandi Gobindgarh
	1.5 MLD	1.5 MLD	8 MLD	5.75 MLD		46MLD						5 MLD		10 MLD	5.0 MLD	25 MLD
Date of Receipt	17/3		16/3	17/3	17/3	15/3	16/3	15/3	16/3	16/3	16/3	15/3	16/3	15/3	17/3	21/3
pH	8.9	7.4	8.1	7.4	7.4	7.6	7.6	7.9	7.8	7.3	7.8	7.8	7.9	7.6	7.3	7.5
BOD mg/l	44	20	15	42	15	9	7	9	18	7	7	9	11	10	14	6
COD mg/l	155	104	52	152	60	41	26	33	71	28	28	39	38	40	52	26
TSS mg/l	32	34	16	37	37	8	12	14	37	12	12	22	12	11	13	12
Total Coliform MPN/100ml	4300	5800	2700	3300	3100	3800	2200	3300	3400	2400	2600	2700	2500	4100	2500	2200
Faecal Coliform MPN/100ml	1100	2100	930	930	920	920	680	1000	1000	830	810	830	910	1000	910	610
PO ₄ -P mg/l	2.3	-	BDL	1.9	1.2	1.2	BDL	0.8	1.4	2.1	0.8	1.9	0.2	1.0	0.9	1.3
Ammonical Nitrogen as N mg/l	15.4	-	7.1	16.5	20.7	11.8	2.5	10.1	5.3	0.7	1.4	BDL	2.1	8.4	7.1	10.6
Nitrogen Total mg/l	20.8	-	7.8	21.3	28.5	14.2	3.5	12.1	6.4	1.1	2.1	BDL	2.5	11.8	7.8	12.7
SAR	-	-	-	-	-	3.4	-	-	5.2	3.7	-	-	2.2	2.6	-	2.7
E.C. µs/cm	-	-	-	-	-	1888	-	-	2138	1338	-	-	869	1309	-	1023
RSC meq/l	-	-	-	-	-	1.84	-	-	0.5	0.8	-	-	1.1	0.8	-	1.6
Sulphate mg/l	195	-	101	172	168	145	49	101	226	117	34	98	51	95	53	96

BDL means below Method Detection Limit