

National Water Supply & Drainage Board
Chemical Quality of Water - February 2010
Progress Report on Sampling & Testing

Note:- This Report indicates only the schemes where Chemical Water Quality are unsatisfactory

RSC- Sabaragamuwa/Uva

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested
Bandarawela	Bandarawela	9	5	1. Colour=91-92, Turbidity = 16, Stock tank 2. Colour=126-146, Turbidity=26-33, Tap at Regional Manager's Office.	Arrangments made to distribute only filtered water. Instructed to OIC not to by pass the filters
	Hali Ela	4	4	1. Colour=63-550, Turbidity=12-131, Stock tank 2. Colour=232, Turbidity=38, Stock tank-Morethota 3. Colour=550, Turbidity=118, tap at Hali Ela town	Construction is in progress of low cost treatement plant
	Keppetipola	2	1	Colour =53, Turbidity=16, Stock tank	Action will be taken to clean & repack the existing filter media.
	Lunuwatta	3	3	1. Colour=147, Turbidity=51, Stock tank. 2. Colour=122, Turbidity=50, Tap at Yogas Hotel 3. Colour=166, Turbidity=36, Tap at Piyasiri Hotel	Purification system should be intorduced.
	Welangolla	1	1	Colour=40, Turbidity=14, Stock tank	Studing the posibility of intake improvements

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested
Bandarawela	Bibila	3	3	1. Nitrite=0.012, Nitrate= 13, Stock tank 2.Nitrite=0.012, Nitrate= 12, Tap at NWSDB Office. 3. Nitrate= 12, Tap at Mr. Dharmapala's house.	Tank should be cleaned.
	Medagama	5	5	1. Nitrite= 1.354, Nitrate= 13.5, Stock tank 2. Nitrite= 1.2, Nitrate= 12.2, Tap at Natinal School 3.Nitrite= 1.2, Nitrate= 12.1, Tap at NWSDB Office 4. Nitrite= 1.1, Nitrate= 12.1, Tap opposite to the Nannapurawa School 5. Nitrite= 1.1, Nitrate= 12, tap opposite Kanulwela Muslim Vidyalaya	

RSC - North Western

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested
Kurunagala	Padeniya	6	6	1. F=1.8, Over head tank. 2. F=1.7, HH tap at Ruwan, Nilawaratiya. 3. F=1.5, Tank at Padeniya 4. Colour=78, Turbidity=22, HH tap at Puttalam Raod. 5. Colour=63, Turbidity=15, HH tap at Puttalam road. 6. Colour=74, Turbidity=19, Tank at Wariyapola site office.	1. Fluoride of intake borehole is very high 2. Distribution line of Wariyapola scheme was connected with the distribution line of padeniya scheme to dilute & reduce the fluoride and hardness. 3. It need full treatment facility.
	Ambanpola	2	1	Alkalinity=532, NH3=1.18, Hardnes=860, No.32, Ehetuwewa Road.	Improvement of areation is recommended.
	Wariyapola	2	2	1. Colour=86, Turbidity=16, Over Head Tank. 2. Colour=72, Turbidity=12, H H Tap at No.23, Kalugamuwa Road.	Aeration should be improved & gas chlorine should be introduced to improve the quality. Informed Manager to take necessary action.
	Wannigama	2	2	1. Colour=161, Turbidity=33, Fe=1.91, Mn=0.8, Over head Tank 2. Colour=42, Turbiidty=12, NH3=0.96, H H Tap at housing scheme.	Not worth to introduce treatment process. It is better to provide water from Nikaweratiya.
	Galgamuwa	3	3	1. Colour=152, Turbidity=30, NH3=0.54, F=1.7, Sump 2. Colour=114, Turbidity=23, F=1.8, Over head tank. 3. Colour=42, Turbidity=10, No.121, Ehetuwewa Road.	Recommend full treatment facility.

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Puttalam	Puttalam	6	1	NH3=0.49, Sump	This is due to the by-passing of brehole water to the sump. NH3 level can be reduced by a proper areation process. For this all raw water should be areated prior sending to the sump. Re-operation of aerator (2) is requierd. Informed OIC.
	Madampe	4	1	Turbidity=17, H H tap at Galbamma Road.	Resampling will be carried out during the next sampling process.
	Chilaw	1	1	Colour=72, Turbidity=18, NH3=0.97, Sump	Informed OIC to clean the sump.
	Kakkapalliya	3	1	Colou= 39, H H tap at Chanrawathi, Mahawewa.	High colour is reported only at the place where the distribution line is not flushed. Informed the OIC to flush the remaining lines.
	Karukkapane	1	1	Colour=59, Turbidity=13, NH3=0.3, Standpost at Housing scheme.	Not using for drinking purposes.
	Anamaduwa	3	1	Colour=96, Turbidity=24, Mixture of raw water at aerator	This might be due to the mixing of water with the depositions of the lines. Informed OIC to flush the distribution line.

RSC- East

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested
Ampara	Inginiyagala	1	1	Colour=51, Supply water.	Propose treatment.
	Damana (WSS+Plant)	3	2	1. Colour=46, Treatment plant. 2. Colour=57, Tower	Raw water colour =72, turbidity= 8.32 due to & package filtration is not properly working.
	Kathankudy	2	1	Colour=36, Tower	Well is the source. Colour=65.