

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

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

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
KANDY NORTH	Galagedara	1	1	Colour=141, Turbidity=19, Filtered water		
	Matale	1	1	Colour=273, Turbidity=39, Treated water		
	Udatenna	1	0	Colour=50, Turbidity=11.4, Treted Water		

RSC- Sabaragamuwa/Uva

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Bandarawela	Bandarawela	11	1	Colour=45, Turbidity=10	Available Filtration systme should be improve.	
	Bogahakumbura	2	2	1. Colour=80, Turbidity=38, Stock Tank 2. Colour=100, Turbidity=18, Stock tank	Stock tank should be cleaned	
	Diyathalawa	5	1	Colour =51, Turbidity=22, Stock tank	Stock tank should be cleaned	
	Dodamwatha	1	1	Colur=43, Turbidity=20, Stock tank	Stock tank should be cleaned	
	Haldamulla	2	2	1. Colour=56, Stock tank 2. Colour=71, Turbidity=12, Tap at fuel shed.	Stock tank should be cleaned	
	Hali Ela	2	2	1. Colour=331, Turbidity=60, Fe=1.89, Stock tank (Morethota) 2. Colour=550, Turbidity=111, Fe=2.48, Stock tank (Navoda)	Filtration system & aerator should be introduced.	
	Keppetipola	1	1	Colour=46, Stock tank		

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Bandarawela	Kolathenna	1	1	Colour=79, Turbidity=21, Stock tank		
	Lunuwatha	3	3	1. Colour=105, Turbidity=16, Stock tank 2. colour=118, Turbidity=23, Tap at Piyasiri Hotel 3. colour=273, Turbidity=47, Stock tank	Filtration Sytem should be introduced.	
	Seelathenna	2	1	Colour=41, Turbiidty=14, Stock tank	Filtration system should be introduced.	
	Medowita	2	2	1.. Colour=112, Turbidity=17, Stock tank 2. Colour=137, Turbidity=23, Stock tank	Stock tank should be cleaned	
	ViharaKele	3	1	Colour=54, Turbidity=17, Stock tank	Filtration system & aerator should be introduced	
	Welimada	1	1	Colour=550, Turbidity=143, Stock tank	Filtration system should be introduced.	

RSC - North Western

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Kurunagala	Hettipola	2	2	Colour=126, Turbidity=22, NH3=0.28, Sump	Filter media of the treatment plant is replacing now. Problem will be solved after that.	
	Wariyapola	2	2	1. Colour=266, Turbidity=50, Over head tank 2. Colour=257, Turbidity=52, Stand post at Puttalam Road.	Pressure filters are not sufficient to remove this much of turbidity. Recommend conventional treatment facility.	
	Udagama	2	2	1. Colour=48, Water tank 2. Colour=43, Turbidity=10, Cisten tank Kurunagala Road.	Improve the treatment process to remove the turbidity	
	Kurunagala	12	3	1. Colour=35, sump 2. Colour=39, Turbidity=9, HH tap at No. 436, Negombo Road 3. NH3=0.26, Nitrate = 0.019, Sump	Propse to remove the existing filter media with proper filter sand to increase the filtration efficiency of the tretament plant.	
	Wannigama	2	2	1. Colour=368, Turbidity=71, Over head tank. 2. Colour=242, Turbiidty =49, Fe=2.64, Mn=0.5, HH tap at No. 07, Housing scheme.	This problem will be solved after commencing of new treatment plant at Nikaweratiya.	

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Kurunagala	Giriulla	4	4	1. Colour=82, Turbidity=15, sump (Old) 2. Colour=86, Turbidity=16, Sump (New) 3. Colour=47, Turbidity=11, HH Tap at No; 10, Hamangalla Road. 4. Colour=32, Turbidity=14, HH Tap at No. 66, Colombo Road.	Treatment process should be improved.	
	Nikaweratiya	2	2	1. Colour=169, Turbidity=34, HH tap at No. 10, Kurunagala Road. 2. colour=143, Turbidity=31, HH tap at No. 28, Hospital Road.	Problem can be overcome after commencing the treatment plant	
	Ambalanpola	2	2	1. NH3=1.47, Hardness=844 Water Tank 2. NH3=1.45, Hardness=876 HH tap at Dethwa, Kurunagala Road.	Aeration of this system is improving now to remove the ammonia in this water.	
	Galgamuwa	3	3	1. Colour=167, Turbidity=31, Fe=1.56 Sump 2. Colour=62, Turbidity=12, Over head tank. 3. Colour=49, No. 16, Kurunagala Road. .	it is very difficult to treat this type of water. Only with the latteral filtration system like in this intake. Need proper treatment system.	

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Puttalam	Puttalam	5	1	1. NH3= 0.26 , Sump.	Need to improve aeration process. Functioning of the aerator 2 will start at the beginning of July. Informed OIC.	
	Nattandiya	3	2	1. Colour=47, Sump 2. Colour=36, HH tap at Kuliypitiya Road.	Sump, Tower and the distribution line should be flushed. Informed OIC.	
	Chilaw	1	1	Colour=111, Sump	A further analysis will be done during the next sampling programme. Cause will be identified and necessary action will be taken.	

RSC- Southern

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Matara	Deniyaya	8	2	Colour=40-80, Turbidity= 9.9-47.3, Fe=1.0, Distribution & OIC Office.	Full treatment system is needed.	

RSC- East

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Ampara	Kaththankudi	2	1	Colour=38, Turbidity=9.41, Tower		
	Narvithanwalli	2	2	1. Colour=239, Trubidity=55.8, Fe=4.86 Well - 1 2. Colour=69, Turbidity=13.1, Well 02	wells are sources for supplying & use this by consumer for external purposes.	