

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

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

RSC-Western North

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Gampaha	Meerigama	3	1	Fe=2.2, Man hole, Service Ground tank			

RSC- Central

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Kandy Central	Elpitiya	2	2	1. Fe=1.02, Colour=87, Treated Water 2. Fe=8.40, Colour=393, Turbidity=16, First connection, Ambagasthenna Road Thalawakale	Iron removal method is needed		

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Kandy North	Hadeniya	1	1	Colour=100, Turbidity=17.5, Fe=2.18, Treated Water at plant	Treatment Plant Improvements are suggested		
	Matale	1	1	Colour=49, Turbidity=13.2, Treated water at plant	Treatment Plant Improvements are in progress		
	Udatenna	1	1	Colour=41, Turbidity=8.94, Treated water at plant	Treatment Plant Improvements are suggested		

RSC- Sabaragamuwa/Uva

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Bandarawela	Hali Ela	2	1	Fe=1.27, Stock tank (Morethota)	Improvement of Treatment process		
	Welimada	1	1	Colour=243, Turbidity=54, Stock tank	Filtration system should be introduced.		

RSC- North Central

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Anuradhapura	Madawachchiya	3	1	Fluoride=1.50, Tap at site.	Domestic Filters should be used	Bore hole	

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Jaffna	Araly	4	1	EC=4350, Chloride=1406, total Hardness=812, Dug Well 01- Bottom			
	Karainagar	8	2	1. Hardness=808, Sulphate=442, Dugwell 3-Surface 2. Hardness=812, Sulphate=444, Dugwell 3-812, Bottom			
	Vaddukoddai	4	1	1. EC=3630, Total Hardness=756, TDS=2178, Dugwell 02- Bottom			
	Kilinochchi Mini Scheme	2	2	1. Colour=30, Turbidity=19.40, Dugwell, Surface 2. Colour=40, Turbidity=20.99, Dugwell Bottom			

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Vavunia	Vaddukoddai	6	1	Alkalinity = 820, Nitrite=0.88, Out let tap, Vavunia tank			
	Thriukethwswa waram	2	1	Alkalinity=600, Tank outlet tap Mannar.			
	Vankalai	2	1	Alkalinity=596, Vankalai tank outlet tap, Mannar.			
	Mannar	3	1	Alkalinity=442, Mannar tank outlet, Mannar			

RSC - North Western

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Kurunagala	Ambanpola	2	2	1. Alkalinity=468, NH3=1.68, F=0.9, PO ₄ ²⁻ =2.68, Water tank 2. NH3=1.56, S.M. Sarath, Ehatuwawa Road.	To improve earation and chlorination. Recommended to use gas chlorination.		
	Dambadeniya	2	2	1. Colour=64, Turbidity=10, Fe=1.01, Sump 2. Colour=70, Turbidity=14, HH tap at No.67, Narammala Road	Recommend to iron removal process to this scheme	Bore hole	
	Galgamuwa	3	3	1. Colour=39, EC=3520, Overhead tank 2. Colour=62, turbidity=12, NH3=0.36, Sump 3. Colour=46, Turbidity=9, HH tap at No.18, Ehatuwawa Road	To improve intake in the Meeoya or find alternative ground water resource		
	Giriulla	4	4	1. Colour=43, Turbidity=10, Sump 2. Colour=43, Turbidity=11, Water tank 3. Colour=43, HH tap at No.16, Hamangalla Road 4. Colour=30, Turbidity=11, HH tap at No.64, Kurunagala Road.	Propose full treatment facilities		
	Gokaralla	5	4	1. Colour=45, Wire 2. Colour=39, Turbidity=10, Head work tank 2. Colour=39, NH3=0.23, HH tap at No.67, Gepallawa Road 4. Colour=63, Turbidity=14, HH tap at No.18, Dambulla Road	To improve latteral system and Intake well.		
	Narammala	2	2	1. Colour=49, Turbidity=12, Site office 2. Colour=73, HH tap at Kurunagala Road	Informed OIC to clear the head tank and flush out.		
	Nikawariya	2	1	Colour=56, Turbidity=11, SP, Kurunagala Road.	Construction of full treatment plant is almost completed.		
	Padeniya	2	2	1. Colour=98, Turbidity=22, Padeniya, Wariyapola 2. Colour=79, Turbidity=19, HH tap at Kobeigane Road	proposed full treatment facility.		
	Pannala	3	3	1. Colour=31, NH3=0.27, Overhead tank site office 2. Colour=45, HH tap at No.183, Kurunagala Raod 3. Colour=49, HH tap at No.18, Sentudawa Road.			
Polgahawela	6	5	1. Turbidity=12, BOI suppling outlet tank 2. Colour=86, Turbidity=16, Imbulgasdeniya Water tank 3. Turbidity=10, HH tap at No.64, Rambukkana Road 4. Colour=39, Site Office 5. Turbidity=12, HH tap at No.186, Kurunagala Road.	Construction activity of package plant is already started.			

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Kurunagala	Rambadagalla	2	2	1. Colour=35, Over head tank 2. Colour=38, NH3=0.33, SP, Dodangaslanda Road.			
	Udagama	2	2	1. F=1.9, Water tank 2, Udagama village 2. Colour=92, Turbidity=16, Alkalinity=460, NH3=1.07, Water tank 3, Udagama School	Domestic fluoride removal filters have been dested among all consunmence		
	Wannigama	2	2	1. Colour=76, Turbidity=15, Over head tank 2. Colour=69, Turbidity=16, HH tap at No.03, Housing scheme.	will be covered by Nikawariya new plant		
	Wariyapola	2	2	1. Colour=69, Turbidity=16, Over head tank 2. Colour=85, Turbidity=17, HH tap at Kurunagala Road.	Construction of Full treatment plant is almost completed.		

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Puttalam	Puttalam	7	2	1. NH3=0.3, Sump. 2. NH3=1, No.07, Rathmalaya, Colombo Road.	Aerator 2 should be functioned.		
	Wennappuwa	2	2	1. pH=5.64, Sump 2. pH=5.75, HH tap at Swarna Reeta Mawatha.	Instructed OIC to increase the lime dose.		
	Kakkapalliya	3	3	1. Colour=49, Tap at Sampath Hotel 2. Colour=32, Tap at Weehena farm 3. Colour=58, Turbidity=9, Tap at No.1503, Mahawewa.	Distribution should be cleaned		
	Andigama	1	1	Water Tank, site office	Aeration Process should be started.		

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Galle	Pitigala	6	2	1. Colour=40, S.tap, Petrol Shed, Fe=1.6, Pelawatta Road 2. Colour=50, Turbidity=9.2, HH.tap, Near Ground Water Reservoir 3. Colour=50, Turbidity=8.8, LHH tap, Near OIC office.	Partial treatment is existed.		

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source	Note
Hambantota	Kataragama	6	6	1. Colour=40, Tap at Kiri Vehera 2. Colour=60, Tap at Maha Dewalaya 3. Colour=120, Turbidity=43.6, S.P. Sellakataragama 4. Colour=40, Indrani niwasa, Wallimathgma 5. Colour=40, S.P, Rajamawatha 6. Colour=210, Turbidity=63.3, Chandra house, Detagamuwa.	Partial treatment is existed. Full treatment 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	Source	Note
Ampara	Narvithanwalli	2	2	1. Colour=600, Trubidity=168, Fe=6.25, pH=6.81, Well - 1 2. Colour=510, Turbidity=127, Fe=6.39, Well 02	Wells are souces for suppling & use this by consumer for exgtrenal purposes.	Well	