

# National Water Supply & Drainage Board

## Chemical Quality of Water - May 2010

### Progress Report on Sampling & Testing

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

#### RSC- Western South

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Dehiwala/Panadura	Ingiriya	5	1	Turbidity = 12, No. 95, Opposite to cooperative stroes		

#### RSC- Central

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= 128, Turbidity=20, Treated Water, K G David		
	Hadeniya	1	1	Colour= 115, Turbidity=21.4, Treated Water		
	Matale	1	1	Colour=83, Turbidity=16, Treated water		
	Ukuwela	1	1	Colour=49, Turbidity=11.2, Treated water		
	Polgolla	1	1	Colour=42, Treted Water		

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
KANDY SOUTH	Koka Oya	1	1	Colour=59, Treated Water(Service Reservoir)		
	Kadugannawa WSS	1	1	Colour=48, Treated Water (Service Reservoir)		

**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	Ambagasdowa	3	2	1. Colour=43, Turbidity=9, Tap at Hibiliyagahamadiththa 2. Colour=35, tap at Daragala	Filtration system should be introduced.	
	Bogahakumbura	1	1	Colour=39, Turbidity=9, Stock tank	Filtration system should be introduced.	
	Diyathalawa	3	1	Colour =45, Turbidity=9, Stock tank 01	Stock tank should be cleaned	
	Hali Ela	4	4	1. Colour=54, Turbidity=10, Stock tank (Navoda) 2. Colour=162, Turbidity=29, tap at town 3. colour=225, Turbidity=41, Stock tank (Morethota) 4. Colour=85, Turbidity=12, Stock tank (Navoda)	Filtration system & aerator should be introduced.	
	Medawela	1	1	Colour=254, Turbidity=53, stock tank	Filtration system & aerator should be introduced.	
	Lunuwattha	1	1	Colour=99, Turbidity=19, Stock tank.	Filtration system should be introduced.	
	Seelathenna	2	1	Colour=109, Turbidity=22, Tap at Godawattha Junction.	Filtration system should be introduced.	
	Wakarawa	2	1	Calcium Hardness=276, Stock tank	Filtration system should be introduced.	
	Welimada	1	1	Colour=54, Turbidity=11, Stock tank	Filtration system should be introduced.	

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Kurunagala	Polgahawela	6	5	<ol style="list-style-type: none"> <li>1. Colour=45, turbidity=9, Imbulgasdeniya water tank</li> <li>2. Colour=61, turbidity=13, HH tap at No.23, Rabukkana Road</li> <li>3. Colour=50, Turbidity=10, Tap at site office</li> <li>4. Colour=62, turbidity =13, HH tap at No. 63, Kurunagala Road</li> <li>5. Colour=53, Turbidity=10, tap at Sumithra Garment</li> </ol>	Pressure filters are not sufficient to remove this much of turbidity. Recommend conventional treatment facility.	
	Padeniya	2	2	<ol style="list-style-type: none"> <li>1. Colour=51, Turbidity=14, NH3=0.21, Over head tank</li> <li>2. Colour=54, Turbidity=14, F=0.3 HH tap at Indunil.</li> </ol>	High fluoride level of borehole is reduced after mixing with Wariyapola water. But colour & turbidity became unsatisfactory	
	Dambadeniya	2	2	<ol style="list-style-type: none"> <li>1. Colour=97, Turbidity=21, Fe=1.18, Sump</li> <li>2. Turbidity=9, Fe=1.06, HH tap at Giriulla road.</li> </ol>	Suitable Mechanism for iron removal is highly recommended.	
	Ambanpola	2	2	<ol style="list-style-type: none"> <li>1. NH3=1.06, Fluoride=1.3, Hardness =760, Water tank</li> <li>2. Turbidity=21, NH3=20, Ehetuwewa road.</li> </ol>	Improvement of aeration & application of gas chlorination is recommended.	
	Giriulla	4	4	<ol style="list-style-type: none"> <li>1. Colour=84, Turbidity=15, sump (Old) .</li> <li>2. Colour=55, Turbidity =09, Water tank</li> <li>3. Colour=43, HH tap at No. 154, Pannala road.</li> <li>4. Colour=46, HH tap at No.18, Nuwanwella road.</li> </ol>	During heavy rains simple treatment process is not sufficient for removal of colour & turbidity this level. Full treatment needed.	
	Udagama	2	1	NH3=0.62, Fluoride= 1.7, Water tank (3) Udagama	Fluoride filters will be distributed among all households	
	Wariyapola	2	2	<ol style="list-style-type: none"> <li>1. Colour=83, Turbidity=18, Over head tank</li> <li>2. colour=73, Turbidity=19, Stand post at Puttalam road.</li> </ol>	Problem can be overcome after commencing the treatment plant	
Rambadagalla	3	3	<ol style="list-style-type: none"> <li>1. Colour=54, Turbidity=12, Intake well chlorinated</li> <li>2. Colour=33, NH3=0.32, Over head tank Kappitigala road.</li> <li>3. Colour=46, Stand post at Dodangaslanda road.</li> </ol>	Moderately high turbidity & colour is due to rains. Lateral flushing needed after rains. Informed OIC.		

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Puttalam	Puttalam	5	2	1. NH3= 0.34 , Sump. 2. NH3=0.52, HH tap at Kurunagala Road.	A further analysis will be done during the next sampling programme.	
	Nattandiya	5	1	1. Colour=47, Sump	Tower should be cleaned. A further analysis done during the next sampling programme	
	Wennappuwa	2	2	1. pH =5.41, Sump 2. pH =5.52, Distribution	Informed OIC to increase the the lime dosage.	
	Madampe	7	4	1. Colour=34, Turbidity=9, Tower 01 2. Colour=33, Turbidity=9, HH tap at Colombo Road 3. Colour=39, Turbidity=12, HH tap at No. 187, Mahawewa 4. Colour=34, HH tap at Kuliypitiya road.	Remaining lines should be flushed. Informed OIC.	
	Kakkapalliya	1	1	Colour=42, Turbidity = 12, Site office	A further analysis will be done during the next sampling programme.	
	Chilaw	1	1	Colour= 44, Sump	Informed OIC to clean the sump. * Distribution line was closed.	

#### RSC- Southern

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	No. of Samples Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Remarks
Hambantota	Ambalantota	2	1	Colour=40, Turbidity=8.2, Treated water	Informed OIC	
	Lunugamwehera	12	2	1. Colour=80, Turbidity= 9.7, Kudagammana 2. Colour=80, Turbidity= 9, Beralihela tank	Informed OIC	
	Muruthawela	4	1	Colour=40, Treated water	High colour because mangase, Informed OIC & pretreatment was done.	
	Kataragama	13	1	Colour=80, Turbidity= 15.8, Treated water	Slow sand filters are not in good condition. Informed OIC.	

#### 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=37, Turbidity=7.21, Tower		
	Narvithanwalli	2	2	1. Colour=1139, Trubidity=32.9, Fe=2.5, pH=6.27, Well - 1 2. Colour=83, Turbidity=19.3, Fe= 1.04, pH=6.24, Well 02	wells are sources for suppling & use this by consumer for external purposes.	