

National Water Supply & Drainage Board
Chemical Quality of Water - October 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	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Gampaha	Meerigama	3	3	1. Fe= 1.3, H.H.Tap No.129,Vijayarajadahana 2. Fe= 1.39, Man Hole,Service Ground Tank 3. Fe= 1.60, S.P.Negombo Rd	No treatment. Direct supply from untreated water. Need iron removal	Bore hole

RSC- Central

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Kandy South	Koka Oya	1	1	Colour=31Pt./Co, Turbidity=9.0, Fe=2.10, Treated Water (Service Reservoir)	No treatment. Iron removal method is needed	Bore hole

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Kandy North	Hadeniya	1	1	Colour=81, Turbidity=11.30, Fe=2.10, Bolagala Service reservoir.	Treatment process need improvements	
	Matale	1	1	Colour=37, Turbidity=8.98, Treated water at plant	Treatment Plant Improvements are in progress	Sudu Ganga

RSC- Sabaragamuwa/Uva

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Bandarawela	Ambagasdoowa	2	1	Colour=47, Turbidity=12, Tap at Daragala	Existing treatment process inadequate	Bomburu Ella
	Bandarawela	8	3	1. Colour=66, Turbidity=14, Tap at RM Office 2. Colour=64, Turbidity=15, Stock tank 3. Colour=54, Turbidity=13, Stock tank	Existing treatment process inadequate	Stream
	Hali Ela	2	1	Colour=95, Turbidity=21, Stock tank (Morenthota)	Existing treatment process inadequate	Stream
	Lunuwattha	2	1	Colour=70, Turbidity=18, Tap at Piyasiri Hotel	Existing treatment process inadequate	Stream
	Madawela	2	1	Colour=39, Turbidity=11, Tap at Mr. Ananda's house	Existing treatment process inadequate	Stream

RSC- North Central

Region	Scheme	No. of Samples	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Anuradhapura	Khatagadigiliya	5	1	Hardness =650, Site,	Need hardness removal or dilution with surface water.	Bore hole
	Kebbithigollawa	1	1	Flouride= 1.80, HH padaviya Road.		Bore hole

Region	Scheme	No. of Samples	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Jaffna	Araly	4	1	1. Hardness=724, Tap 1 2. Hardness=704, Tap 2		Dug well-2
	Karainagar	1	1	Hardness=944, Tap 1		Dug well-2
	Vaddukodai	2	2	1. Hardness= 660, Cistern tank 1 2. Hardness=624, Cistern tank 2		Dug well-2
	Kilinochchi Mini Scheme	2	2	1. Colour=50, Trubidity=24.20, Dugwell, Surface 2. Colour=60, Turbidity=28.61, Dugwell Bottom		Dug well-1

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Vavunia	Vavunia	6	1	Alkalinity = 784,Vavunia tank		
	Erukkalampitti	3	1	Colour =49, S M A Kathar, Word No.09		
	Mannar	3	1	Alkalinity=472, Mannar Tank outlet tap, Mannar		
	Vankalai	1	1	Alkalinity=504,		

RSC - North Western

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Kurunagala	Ambanpola	2	2	1. NH3=0.86, Alkalinity=464, Water Tank 2. NH3=0.94, Distribution	To improve earation and chlorination. Recommended to use gas chlorination.	Bore hole
	Dambadeniya	2	2	1. Colour=69, Turbidity= 15, Sump 2. Colour=80, Turbidity= 15, Distribution	Recommende to iron removal process to this scheme	Bore hole
	Giriulla	3	3	1. Colour=92, Turbidity= 16, Sump 2. Colour=66-71, Turbidity= 17-22, Distribution	Propose full treatment facilities	Maha Oya - Direct supply
	Nikawaratiya	2	2	1. Colour=90-125, Turbidity= 12-24, NH3=0.34, Distribution	Construction of full treatment palnt is almost completed.	Magalle Tank feed by Deduru Oya
	Polgahawela	6	4	1. colour=143, Turbidity=30, NH3=0.25, Imbulgasdeniya water tank 2. colour=107, turbidity=37, Sump 3. colour=65-87, Turbidity= 16-29, Distribution	Construction activity of package plant is already started.	Maha Oya
	Wannigama	2	2	1. Colour=257, Turbidity=49, NH3= 1.35, Hardness=668, Fe=1.75, Mn=1.0, overhead tank 2. Colour=269, Turbidity=53, Distribution	will be covered by Nikaweratiya new plant	Bore hole
	Wariyapola	2	2	1. Colour=193, Turbidity=37, NH3=0.37, overhead tank 2. Colour=68-181, Turbidity= 12-35, distribuion	Construction of Full treatment plant is almost completed.	Maguru Oya

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Puttalam	Puttalam	7	2	1. Colour=53, Turbidity=20, NH3=0.86, Sump. 2. NH3=1, PO4=2.15, Distribution	Sump should be cleaned.	Bore holes
	Nattandiya	2	1	Colour=33, turbidity= 14, sump.	Sump should be cleaned.	Bore holes
	Chillaw	1	1	NH3=0.36, PO4=2.55, Sump	Need Treatment improvement	Bore holes
	Andigama	1	1	NH3=0.57, Colour =33, Site office	Need Treatment improvement	Bore holes
	Anamaduwa	2	2	1. Colour=36, Turbidity= 10, NH3=0.36, Sump 2. NH3=0.31, Distribution	Need Treatment improvement	Bore holes
	Madampe	3	2	1. Colour=36, pH=5.95, Sump 2. Colour=48, PO4=2.07, Distribution	Need Treatment improvement	Kadupiti oya
	Karukkapanne	1	1	Colour=43, NH3=0.29, PO4=3.14, Stand post	Need Treatment improvement Chlorination process should be started	Bore holes

RSC - Southern/Uva

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Hambantota	Kataragama	14	13	Colour=50-100, Turbidity=10.8-20.3, distribution line	Slow sand filaters are not in good condition. When turbidity is high, UNIHA plant can't be used to treat water with high turbid water. Informed OIC.	

RSC- East

Region	Scheme	No. of Samples Tested	No. of Samples Unsatisfactory	Unsatisfactory Sampling Points with Details	Remedial Measures Suggested	Source
Ampara	Inginiyagala	2	2	1.Colour=45, Supply water 2. Colour=460, Turbidity=64.40	Temparary taken water from power station. Instructed to transfer original raw water main. After transferring, the quality is good.	Senanayake Samudraya