

National Water Supply & Drainage Board
Annual Bacteriological Quality of Water - 2009

RSC - Western Central

Region	Laboratory	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
	CMC	3619	5	
	NBRO	2904	0	
	Plant Lab (Ambatale)	1561	0	
Total		8084	5	

RSC - Western South

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
KALUTARA	Kalutara	79	0	
	Aluthgama	35	1	Line should be washed
	Beruwala	30	0	
	Matugama	26	1	RCI=0.4
	Pilaminawatta	8	0	
	Payagala / Maggona	33	0	
	Wadduwa	13	0	
	Bombuwala	7	0	
Total		231	2	
Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
HORANA / PANADURA	Dehiwala	65	2	RCI=0.3, Resampling satisfactory, Line should be clean
	Moratuwa	71	3	RCI=Nil, RCI=0.3, Line was backwashed. Resampling satisfactory
	Panadura	132	5	RCI=0.5, 0.4, Resampling satisfactory
	Horana	43	5	
	Bandaragama	50		
	Ingiriya	44	14	Improper chlorination
Total		405	29	

RSC - Western North

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
GAMPAHA	Attanagalla	11	1	RCI<0.2, No Proper chlorine dosage
	Bataleeya	23	1	RCI=Nil, NO Proper chlorination
	Divlapitiya	46	1	RCI=0.5, Resampling satisfactory
	Kirindiwela	11	11	RCI=Nil, Lack of chlorine dosage
	Gampaha - Yakkala	24	1	Pipe leak
	Gampaha	44	1	RCI=Nil, NO Proper chlorination
	Ranpokunagama	32	0	
	Meerigama	25	1	The chlorinator is damaged.
	Minuwangoda	12	1	RCI=trace, Damage of Pipe Line.
	Minuwangoda Industrial Estate	12	0	
	Negombo	262	6	RCI=trace, 0.3,0.5, Leack of pipe line
	Nittambuwa - Kalagedihena	22	0	
	Pugoda	26	2	Lack of chlorination
	Raddolugama	28	2	Lack of chlorination
	Udugampola	12	0	
	Ranpokunagama Iskolawatta	11	0	
	Ranpokunagama Ranavirugama	11	0	
	Urapola	12	1	Lack of chlorination
	Veyangoda	48	0	
	Total		672	29

RSC - Central

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
Kandy South	Gampola	40	0	
	Gampola Watta	26	3	Lack of Chlorination
	Mullepithilla	10	0	
	Ampitiya	21	0	
	Kadugannawa	26	0	
	Udu/Yatinuwara	58	0	
	Koka Oya	36	0	
	Hanthana	25	0	
	Upper Hantana	24	0	
	Mahakanda	33	1	Lack of Chlorination
	Dartrie	34	1	Lack of Chlorination
	Nillamba WSS	12	0	
	University	49	0	
Total		394	5	

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
KANDY EAST	Medadumbara	34	0	
	Haragama	31	0	
	Kundasale WSS	16	0	
	Balagolla WSS	30	0	
Total		111	0	

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
KANDY NORTH	Akurana	33	0	
	Asgiriya	33	1	RCI=0.9, Resampling Satisfactory
	Kahalla	25	0	
	Wegiriya	33	0	
	Yatihalalgala	23	1	(RCI=0.4) Line should be washed
	Alawathugoda	17	0	
	Ankumbura	15	0	
	Bokkawala	6	0	
	Hadeniya	13	1	RCI=Nil, No sufficient turbidity removal process
	Matale	46	0	
	Naula	41	0	
	Polgolla/Balangoda	51	0	
	Galagedara	30	0	
	Udatenna	45	5	No sufficient contact time, Lack of chlorination
	Ukuwela	31	2	RCI=Nil, Power failure
	Dambulla	51	1	
	Pallemulla	32	0	
	Kurugoda	24	0	
	Kulugammana	20	0	
	Kondadeniya	35	0	
Kahawatta	40	1	Line should be washed	
Total		644	12	

RSC- Sabaragamuwa/Uva

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
RATNAPURA	Ratnapura	212	3	(RCI=Nil) Requested to renovate Gas Chlorinator.
	Kahawatta	59	1	
	Pelmadulla	80	5	RCI=0.4,0.8,0.6, Line should be washed, Lack of chlorine dosage
	Nivitigala	36	3	RCI=Nil,
	Balangoda	89	4	RCI=Nil
	Embilipitiya	120	2	RCI=Nil,
	Eheliyagoda	58	2	Lack of Chlorine dosage
	Udawalawa	72	1	Less contact time
Total		726	21	

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
KEGALLE	Mawanella	111	3	RCI<0.2, RCI=Nil
	Kegalle	73	2	RCI=Nil due to breakdown of chlorinator
	Hemmathagama	44	1	No continuous chlorination
	Ruwanwella	32	1	No continuous chlorination
	Aranayaka	31	3	RCI<0.2
	Rambukkan	30	4	No chlorination due to power failure, High turbidity
	Yatiantota	19	1	RCI=Nil due to breakdown of chlorinator
	Bulathkohupitiya	32	3	(Rcl=Nil / Rcl<0.2)No continuous chlorination
	Kannanthota	22	3	No turbidity removal method
	Gonagaldeniya	22	1	No turbidity removal method
	Warakapola	31	2	Rcl=Nil, No turbidity removal method
	Dehiowita	31	15	RCI=Nil, No Continuous chlorination

Total		478	49	
Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
BANDARAWELA	Ambagasdowa	36	6	RCI=Nil, Lack of chlorine dosage, Insufficient retention time
	Badulla	172	3	RCI=Nil, Lack of Chlorine dosage, Resampling satisfactory
	Bandarapura	41	2	RCI=1.0, Resampling satisfactory
	Bandarawela	29	1	RCI=Nil, Lack of chlorine dosage
	Bogahamkubura	20	3	RCI=Nil, Lack of chlorine dosage
	Boralanda	40	3	RCI=Nil, Resampling Satisfactory
	Divotawela	27	0	
	Diyatalawa	37	0	
	Giradurukotte	37	0	
	Haputale	20	1	RCI=Nil, Resampling Satisfactory
	Haldummulla	22	0	
	Kandeketiya	12	0	
	Keppetipola	29	0	
	Liyanagahawela	14	4	RCI=Nil, Lack of Chlorine dosage
	Lunuwatta	31	1	Due to Pipe leak
	Medawela	32	6	RCI=0.1, Insufficient retention time
	Mahiyanganaya	23	0	
	Silmiyapura	34	1	
	Welimada	12	0	
	Seelatenna	21	0	
Total		689	31	
Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
MONARAGALA	Monaragala	52	14	1. Insufficient contact time. 2. Pipe damage 3. Pipe damage due to Road construction
	Siyambalan duwa	44	10	1. RCI=Nil, Pipe line should clean 2. No proper contact time 3. No gas chlorination
	Okkampiyya	25	11	1. RCI=Nil, No gas chlorination 2. Insufficient retention time
	Bibile	36	7	1. RCI=0.4, Insufficient retention time. 2. No gas chlorination
	Thanamalwila	45	4	1. Less chlorine dosage 2. No proper chlorination 3. Insufficient retention time
	Nakkala	24	3	Lack of chlorine dosage
	Buttala	39	3	1. No gas chlorination 2. Insufficient retention time
	Medagama	48	10	Insufficient contact time
	Sevanagala	33	2	No gas chlorination
	Badalkumbura	20	2	No chlorination, Insufficient retention time
Wellawaya	71	5	1. Pipe damage 2. Pipe line should be clean	
Total		437	71	

RSC - North Central/North

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
Jaffna	Velanai	24	1	RCI=Nil, Wells /Tanks should be cleaned
	Karainagar	30	2	RCI=Nil, Wells /Tanks should be cleaned
	Watharawattai/ Attchuveli	28	2	RCI=Nil, Wells /Tanks should be cleaned
	Chunakkam	27		
	Kayts	28		
	Karaveddy	26		
	Araly South	28		
	Valvetthurai	24		
	Vaddukoddia	28		
Total		243	5	

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
Vavunia	Vavunia	40	0	
	Mannar	20	0	
Total		60	0	

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
Anuradhapura	Thalawa	29	0	
	Thambuttegama	28	1	RCI=Nil
	Galnawa	25	0	
	Eppawala	19	0	
	Mihinthale	36	0	
	Madawachchiya	15	1	RCI=Nil
	Kahatagasdigiliya	30	0	
	Minneriya	23	0	
	Hingurakgoda	22	0	
	Polonnaruwa	26	0	
	Bakamoona	22	0	
	Horowpothana	18	0	
	Padaviya	24	0	
	Kebithigollawa	15	0	
	Thuruwila	7	0	
	Wijayapura	26	0	
	Nachchaduwa	12	0	
	Sacred City	33	0	
	Jaffna Junction	22	0	
	Anuradhapura	22	0	

	Ihalagama	15	0	
	Haberan	11	0	
	Total	480	2	

RSC- North Western

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
KURUNEGALA	Kurunegala	176	1	RCI=Nil.
	Polgahawela	69	2	No full treatment for turbidity removing
	Alawwa	27		
	Pannala	49	3	Presence of high Manganese & Iron turbidity
	Wariyapola	32	2	RCI=Nil, Lack of chlorine
	Ambanpola	31	1	Chlorination should be improved
	Galgamuwa	42	2	RCI=Nil, Simple water treatment is not sufficient for improve the quality
	Udagama	24	0	
	Gokarella	32	0	
	Dodangaslanda	26	0	
	Rambodagalla	43	1	RCI=Nil, (chlorinated Intake well)
	Hettipola	21	0	
	Guriulla	59	7	RCI=Nil, Chlorination system is not properly work. Chlorination system should be changed
	Padeniya	11	1	No proper disinfection
	Dambadeniya	26	2	
	Nikaweratiya	34	0	
	Narammala	28	1	RCI=Nil.
Wannigama	23	2	RCI=Nil, Chlorination may ineffective due to presence of high Fe ion.	
Ogodapola	25	0		
Total		778	25	

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
PUTTLAM	Puttlam	91	0	
	Anamaduwa	38	2	No proper chlorination
	Dankotuwa	70	0	
	Madampe	58	0	
	Andigama	18	0	
	Nattandiya	55	0	
	Wenappuwa	31	0	
	Chilaw	88	0	
	Kakkapalliya	13	0	
	Karukkapane	8	1	
	Rahamath Nagar	27	0	
Total		497	3	

RSC- Southern

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
Galle	Galle wss	258	3	RCI=0.3, 0.5, Resampling Satisfactory
	Pitigala	57	5	No continuous chlorination
	Ambalangoda	95	1	Pipe line should be cleaned
	Akmeemana	53	2	RCI=0.7, 0.3, Resampling satisfactory
	Ahangama	80	0	
	Badeegama	64	0	
	Hapugala WSS	49	1	No proper chlorination
	Habaraduwa	43	1	RCI=0.35, Resampling satisfactory
	Hapugala TP	20	0	
	Elpitiya	49	1	RCI0.5, Distribution system should washed.
	Hikkaduwa	137	0	
	Batapola	34	0	
	Bope/Poddala	7	0	
	Balapitiya wss	62	2	1. RCI=0.8, Resampling satisfactory 2.RCI=Nil, Distribution line should be washed.
	Wakwella TP	27	0	
	Total		1035	16

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
MATARA	Devinuwara	75	4	1. RCI=Nil, RCI should be maintained at Head works 2. RCI=Nil, Chlorine dosage
	Dickwella	210	6	RCI=Nil, Chlorine dosage should increased
	Diyagaha	106	8	RCI=Nil, Resample satisfactory
	Deniyaya	97	19	RCI=Nil, Chlorine dosage should be increased
	Gandara	64	1	RCI=Nil, Increase chlorine dosage
	Karagoda/ Uyangoda	74	5	RCI =Nil, Chlorine dosage should increased
	Kottegoda	89	0	
	Kudawella	102	4	RCI=Nil, Lack of chlorine dosage
	Urubokka	78	10	RCI=Nil
	Weligama	93	5	RCI=Nil
	Malimbada	67	0	
	Matara	359	16	RCI=Nil, Lack of chlorine dosage, Resampling satisfactory

Total		1414	78	
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Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
HAMBANTOTA	Ambalantota	89	1	RCI=Nil
	Agunakolapalasa	46	0	
	Hungama/ Ranna	39	0	
	Katuwana	26	0	
	Beliatta	51	0	
	Kirama	22	1	RCI=Nil
	Hambantota	112	6	RCI=Nil
	Kataragama	106	4	RCI=Nil, Chlorine dosage should increase
	Ridiyagama (New)	21	0	
	Ridiyagama (Old)	8	0	
	Sooriyawewa	37	0	
	Tangalle	88	0	
		41	0	
	Walasmulla	31	0	
	Bundala	38	5	RCI=Nil
	Lunugamvehera / Kirindi-Oya	106	10	RCI=Nil, Chlorine dosage should increase
Muruthawela	31	0		
Total		892	27	

RSC - East

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
TRINCOMALEE	Kantale	182	0	
	Seruvila	18	0	
	Trincomalee	286	15	1. No continuous chlorination 2. Less RCI due to water supply from pumping main, Water should be transferred to relevant reservoir
	Varodaya Nagar	22	19	1. RCI=Nil, chlorinators under constructions 2. Electricity failure 3. No continuous chlorination
	Kinniya	36	6	Chlorinators are not working
	Kappalthurai	36	6	No chlorination
	Sambaltive	19	8	No chlorination due to electricity failure
	Thambalangamuwa	33	0	
	Orr's Hill	22	0	
Total		654	54	

Region	Scheme	No. of Samples Tested	Number of Sample Unsatisfactory	Reasons for Unsatisfactory / Remedial measures
AMPARA	Batticaloa	87	1	Resampling satisfactory
	Ninthavelly	33	0	
	Kathankudy	39	0	
	Kalmunai	53	0	
	Karaitive	40	0	
	Sainthamathu	66	0	
	Kallaru	33	0	
	Thirunelawanai	22	0	
	Natpattimunnai	34	0	
	Nainathivur	44	0	
	Akkaraipattu	55	0	
	Irragaman	51	0	
	Pottuvil Ullai	42	0	
	Ampara	142	0	
	Samanthurei	135	0	
	Damana	31	0	
	Padiyathalawa	50	0	
	Dehiattakandiya	64	0	
	Inginiyagala	34	0	
	Maha Oya	41	0	
	Palamuni	33	0	
	Addalaichennai	33	0	
	Unit 21	45	0	
	Uhana	55	0	
	Oluvil	11	0	
	Marthamuni	35	0	
Total		1308	1	