



CONSULTING SERVICE REPORT

CUSTOMER: SERCO MIDDLE EAST	TO: MR. MUHAMMED ASHAR OPERATIONS ENGINEER	DATE: 08-09-2019
SITE: ZAYED UNIVERSITY, ABU DHABI	COPY: SERCO MIDDLE EAST	LOCATION: SV1 – SERVICE BUILDING RAW WATER TANK

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 – 9.2	8.81			
Conductivity at 25°C, µs/cm	1600 Max.	176			
Total Dissolved Solids (TDS)	1000 Max.	114			
Total Hardness, ppm as CaCO ₃	300 Max.	53			
Calcium Hardness, ppm as CaCO ₃	200 Max.	49			
Chlorides (Cl ⁻), mg/l	250 Max.	36			
Sulphate (SO ₄), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO ₃ -N) mg/l	50 Max.	<1.0			
Nitrite (NO ₂ -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

Treatment Residuals

Odor	Unobjectionabl	ND			
Free Chlorine	0.2 – 0.5	0.24			
Turbidity in NTU	4.0 Max.	<1			

All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos)

COMMENTS:

ACTION:

The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Chlorine levels found satisfactory. ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
Service Engineer:	MR. MURUGARAJ		Client:	MR. MUHAMMED THAYYIL
Signature:			Signature:	



CONSULTING SERVICE REPORT

CUSTOMER: SERCO MIDDLE EAST	TO: MR. MUHAMMED ASHAR OPERATIONS ENGINEER	DATE: 08-09-2019
SITE: ZAYED UNIVERSITY, ABU DHABI	COPY: SERCO MIDDLE EAST	LOCATION: SV1, SERVICE BUILDING, FILTER WATER TANK

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTBALE WATER			
pH at 25°C	7.0 – 9.2	8.46			
Conductivity at 25°C, µs/cm	1600 Max.	169			
Total Dissolved Solids (TDS)	1000 Max.	109			
Total Hardness, ppm as CaCO ₃	300 Max.	54			
Calcium Hardness, ppm as CaCO ₃	200 Max.	47			
Chlorides (Cl ⁻), mg/l	250 Max.	39			
Sulphate (SO ₄), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	0.07			
Aluminum (Al), mg/l	0.2 Max.	0.06			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO ₃ -N) mg/l	50 Max.	1.3			
Nitrite (NO ₂ -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

Treatment Residuals

Odor	Unobjectionabl	ND			
Free Chlorine	0.2 – 0.5	0.21			
Turbidity in NTU	4.0 Max.	<1			

All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos)

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Chlorine levels found satisfactory. ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
Service Engineer:	MR. MURUGARAJ		Client:	MR. MUHAMMED THAYYIL
Signature:			Signature:	



CONSULTING SERVICE REPORT

CUSTOMER: SERCO MIDDLE EAST	TO: MR. MUHAMMED ASHAR OPERATIONS ENGINEER	DATE: 08-09-2019
SITE: ZAYED UNIVERSITY, ABU DHABI	COPY: SERCO MIDDLE EAST	LOCATION: MF2, MALE WASHROOM.

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 - 9.2	8.50			
Conductivity at 25°C, µs/cm	1600 Max.	164			
Total Dissolved Solids (TDS)	1000 Max.	106			
Total Hardness, ppm as CaCO ₃	300 Max.	52			
Calcium Hardness, ppm as CaCO ₃	200 Max.	48			
Chlorides (Cl ⁻), mg/l	250 Max.	30			
Sulphate (SO ₄ ²⁻), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO ₃ -N) mg/l	50 Max.	<1.0			
Nitrite (NO ₂ -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

Treatment Residuals

Odor	Unobjectionabl	ND			
Free Chlorine	0.2 - 0.5	0.18			
Turbidity in NTU	4.0 Max.	<1			

All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos)

COMMENTS:

ACTION:

The pH and Conductivity/TDS are found satisfactory. ⇨

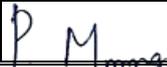
No action recommended.

Chlorine levels found low ⇨

Please maintain the desired control limit

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
Service Engineer:	MR. MURUGARAJ		Client:	MR. MUHAMMED THAYYIL
Signature:			Signature:	



CONSULTING SERVICE REPORT

CUSTOMER: SERCO MIDDLE EAST	TO: MR. MUHAMMED ASHAR OPERATIONS ENGINEER	DATE: 08-09-2019
SITE: ZAYED UNIVERSITY, ABU DHABI	COPY: SERCO MIDDLE EAST	LOCATION: FF2, MALE WASHROOM.

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 - 9.2	8.48			
Conductivity at 25°C, µs/cm	1600 Max.	165			
Total Dissolved Solids (TDS)	1000 Max.	107			
Total Hardness, ppm as CaCO ₃	300 Max.	52			
Calcium Hardness, ppm as CaCO ₃	200 Max.	46			
Chlorides (Cl ⁻), mg/l	250 Max.	27			
Sulphate (SO ₄), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO ₃ -N) mg/l	50 Max.	<1.0			
Nitrite (NO ₂ -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

Treatment Residuals

Odor	Unobjectionabl	ND			
Free Chlorine	0.2 - 0.5	0.16			
Turbidity in NTU	4.0 Max.	<1			

All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos)

COMMENTS:

The pH and Conductivity/TDS are found satisfactory. ⇨

Chlorine levels found low ⇨

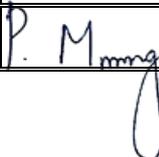
ACTION:

No action recommended.

Please maintain the desired control limit

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
Service Engineer:	MR. MURUGARAJ		Client:	MR. MUHAMMED THAYYIL
Signature:			Signature:	



CONSULTING SERVICE REPORT

CUSTOMER: SERCO MIDDLE EAST	TO: MR. MUHAMMED ASHAR OPERATIONS ENGINEER	DATE: 08-09-2019
SITE: ZAYED UNIVERSITY, ABU DHABI	COPY: SERCO MIDDLE EAST	LOCATION: SV2, SERVICE BUILDING RAW WATER TANK.

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	POTABLE WATER			
pH at 25°C	7.0 - 9.2	8.58			
Conductivity at 25°C, µs/cm	1600 Max.	171			
Total Dissolved Solids (TDS)	1000 Max.	112			
Total Hardness, ppm as CaCO ₃	300 Max.	56			
Calcium Hardness, ppm as CaCO ₃	200 Max.	50			
Chlorides (Cl ⁻), mg/l	250 Max.	32			
Sulphate (SO ₄), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<0.05			
Nitrate (NO ₃ -N) mg/l	50 Max.	<1.0			
Nitrite (NO ₂ -) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

Treatment Residuals

Odor	Unobjectionabl	ND			
Free Chlorine	0.2 - 0.5	0.25			
Turbidity in NTU	4.0 Max.	<1			

All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos)

COMMENTS:

ACTION:

The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Chlorine levels found satisfactory. ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
			--	
Service Engineer:	MR. MURUGARAAT	Client:	MR. MUHAMMED THAYYIL	
Signature:	<i>P. Mmngaraat</i>	Signature:		

