



CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: TAFAWUQ - C2 BUILDING	Copy: TAFAWUQ	LOCATION: CHILLER PLANT ROOM

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.29	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1870	
TDS, ppm	--	1215	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.13	

Treatment Residuals

Nitrite, ppm	\gt 800	820	
CaH Balance			
Dipslide	$<10^3$	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory \Rightarrow	No action recommended.
Dissolved iron levels are found within control limits. \Rightarrow	No action recommended.
Corrosion Inhibitor levels are satisfactory \Rightarrow	No action recommended.

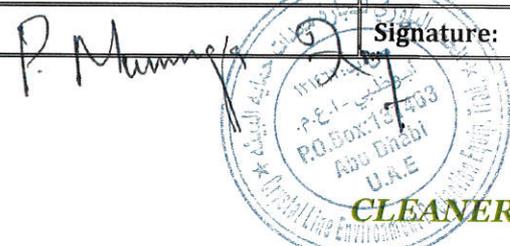
INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
--------------------------	------------------	----------------	-----------------------

Signature:	Signature:
-------------------	-------------------





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: C3 BUILDING	Copy: TAFAWUQ	LOCATION: CHILLER PLANT ROOM

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 – 10.5	10.41	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1470	
TDS, ppm	--	955	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 – 2.0	0.16	

Treatment Residuals

Nitrite, ppm	➤ 800	810	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are found within control limits. ⇨	No action recommended.
Corrosion Inhibitor levels are satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: C4 BUILDING	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (LOW ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.22	
Conductivity, $\mu\text{s/cm}$	Max 3500	2035	
TDS, ppm	--	1322	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	<0.05	

Treatment Residuals

Nitrite, ppm	> 800	1120	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

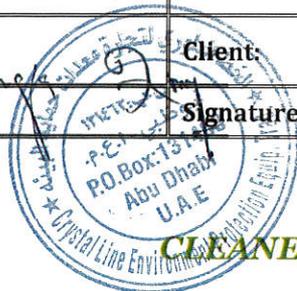
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are found within control limits. ⇨	No action recommended.
Corrosion Inhibitor levels are satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: C4 - BUILDING	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (HIGH ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.26	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1446	
TDS, ppm	--	939	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.13	

Treatment Residuals

Nitrite, ppm	➤ 800	870	
CaH Balance			
Dipslide	$<10^3$	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory	⇒	No action recommended.
Dissolved iron levels are found within control limits.	⇒	No action recommended.
Corrosion Inhibitor levels are satisfactory	⇒	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: C5 - BUILDING	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (LOW ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.34	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	2060	
TDS, ppm	--	1339	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.08	

Treatment Residuals

Nitrite, ppm	> 800	890	
CaH Balance			
Dipslide	$<10^3$	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory \Rightarrow	No action recommended.
Dissolved iron levels are found within control limits. \Rightarrow	No action recommended.
Corrosion Inhibitor levels are satisfactory \Rightarrow	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: C5 - BUILDING	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (HIGH ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.34	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1573	
TDS, ppm	--	1023	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.09	

Treatment Residuals

Nitrite, ppm	➤ 800	810	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory	⇒	No action recommended.
Dissolved iron levels are found within control limits.	⇒	No action recommended.
Corrosion Inhibitor levels are satisfactory	⇒	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ		Client:	MR. TAHA DAKKA
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: C6 - BUILDING	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (LOW ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.44	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1680	
TDS, ppm	--	1092	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.14	

Treatment Residuals

Nitrite, ppm	➤ 800	760	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory	⇒	No action recommended.
Dissolved iron levels are found within control limits.	⇒	No action recommended.
Corrosion Inhibitor levels are slightly low	⇒	Please maintain the nitrite level above 800PPM

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: C6 - BUILDING	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (HIGH ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.03	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1910	
TDS, ppm	--	1241	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.07	

Treatment Residuals

Nitrite, ppm	➤ 800	860	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory	⇒	No action recommended.
Dissolved iron levels are found within control limits.	⇒	No action recommended.
Corrosion Inhibitor levels are satisfactory	⇒	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ		Client:	MR. TAHA DAKKA
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: OMEGA	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (LOW ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 – 10.5	10.42	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1980	
TDS, ppm	--	1287	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 – 2.0	0.09	

Treatment Residuals

Nitrite, ppm	$>$ 800	820	
CaH Balance			
Dipslide	$<10^3$	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory \Rightarrow	No action recommended.
Dissolved iron levels are found within control limits. \Rightarrow	No action recommended.
Corrosion Inhibitor levels are satisfactory \Rightarrow	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	



CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: OMEGA	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (HIGH ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 – 10.5	10.33	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1890	
TDS, ppm	--	1228	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 – 2.0	0.13	

Treatment Residuals

Nitrite, ppm	➤ 800	710	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

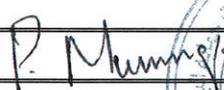
COMMENTS:

ACTION:

The pH levels are satisfactory	⇒	No action recommended.
Dissolved iron levels are found within control limits.	⇒	No action recommended.
Corrosion Inhibitor levels are low	⇒	Please maintain the nitrite level above 800PPM

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ		Client:	MR. TAHA DAKKA
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: ADDAX TOWER	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (LOW ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.23	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	2073	
TDS, ppm	--	1347	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.14	

Treatment Residuals

Nitrite, ppm	\gt 800	1180	
CaH Balance			
Dipslide	$<10^3$	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory \Rightarrow	No action recommended.
Dissolved iron levels are found within control limits. \Rightarrow	No action recommended.
Corrosion Inhibitor levels are satisfactory \Rightarrow	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ		Client:	MR. TAHA DAKKA
Signature:			Signature:	



CONSULTING SERVICE REPORT

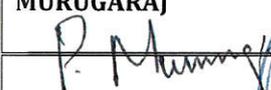
CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: ADDAX TOWER	Copy: TAFAWUQ	LOCATION: CHILLER ROOM (HIGH ZONE)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 – 10.5	10.33	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	2099	
TDS, ppm	--	1364	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 – 2.0	0.15	
Treatment Residuals			
Nitrite, ppm	\gt 800	810	
CaH Balance			
Dipslide	$<10^3$	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:	ACTION:
The pH levels are satisfactory \Rightarrow	No action recommended.
Dissolved iron levels are found within control limits. \Rightarrow	No action recommended.
Corrosion Inhibitor levels are satisfactory \Rightarrow	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ		Client:	MR. TAHA DAKKA
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: SIGMA 01	Copy: TAFAWUQ	LOCATION: CHILLER PLANT ROOM

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 – 10.5	10.27	
Conductivity, $\mu\text{s/cm}$	Max 3500	1410	
TDS, ppm	--	916	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 – 2.0	0.26	

Treatment Residuals

Nitrite, ppm	\gt 800	820	
CaH Balance			
Dipslide	$<10^3$	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory \Rightarrow	No action recommended.
Dissolved iron levels are found within control limits. \Rightarrow	No action recommended.
Corrosion Inhibitor levels are satisfactory \Rightarrow	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 05-04-2020
SITE: SIGMA - 02	Copy: TAFAWUQ	LOCATION: CHILLER PLANT ROOM

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	9.50	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1360	
TDS, ppm	--	884	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.16	

Treatment Residuals

Nitrite, ppm	> 800	810	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory	⇒	No action recommended.
Dissolved iron levels are found within control limits.	⇒	No action recommended.
Corrosion Inhibitor levels are satisfactory	⇒	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 07-04-2020
SITE: HORIZON TOWER	Copy: TAFAWUQ	LOCATION: HIGH ZONE, E1 TOWER,

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 – 10.5	10.71	
Conductivity, µs/cm	Max 3500	1980	
TDS, ppm	--	1287	
'P' Alkalinity, ppm as CaCO ₃	--		
Total Hardness, ppm as CaCO ₃	--		
Calcium Hardness, ppm as CaCO ₃	--		
Chloride, ppm as Cl ⁻	--		
Iron, ppm as Fe	0 – 2.0	0.14	

Treatment Residuals

Nitrite, ppm	> 800	830	
CaH Balance			
Dipslide	<10 ³	ND	

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

COMMENTS:

ACTION:

The pH levels are slightly high ⇨	Kindly maintain the desired control limit
Dissolved iron levels are found within control limits. ⇨	No action recommended.
Corrosion Inhibitor levels are satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	MR. TAHA DAKKA
Signature:		Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 07-04-2020
SITE: HORIZON TOWER	Copy: TAFAWUQ	LOCATION: E1 TOWER, LOW ZONE BASEMENT 01,

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 – 10.5	10.49	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1710	
TDS, ppm	--	1115	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 – 2.0	0.17	

Treatment Residuals

Nitrite, ppm	> 800	820	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

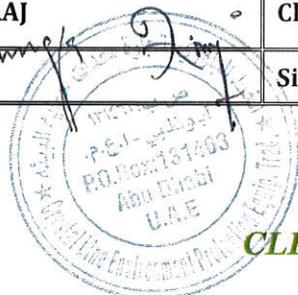
ACTION:

The pH levels are satisfactory	⇒	No action recommended.
Dissolved iron levels are satisfactory	⇒	No action recommended.
Corrosion Inhibitor levels are satisfactory	⇒	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ		Client:	MR. TAHA DAKKA
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER	DATE: 07-04-2020
SITE: HORIZON TOWER	Copy: TAFAWUQ	LOCATION: E2 TOWER, BASEMENT 01

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.76	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1870	
TDS, ppm	--	1215	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.18	

Treatment Residuals

Nitrite, ppm	➤ 800	840	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are slightly high	⇒	Kindly maintain the desired control limit
Dissolved iron levels are satisfactory	⇒	No action recommended.
Corrosion Inhibitor levels are satisfactory	⇒	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ		Client:	MR. TAHA DAKKA
Signature:			Signature:	

