

## CONSULTING SERVICE REPORT

<b>CUSTOMER: TAFAWUQ FACILITY MANAGEMENT</b>	<b>To: MR. TAHA DAKKA ASSISTANT FACILITIES MANAGER</b>	<b>DATE: 08-06-2020</b>
<b>SITE: HORIZON TOWER</b>	<b>Copy: TAFAWUQ</b>	<b>LOCATION: E2 TOWER, BASEMENT 01</b>

### CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.07	
Conductivity, $\mu\text{s/cm}$	Max 3500	1651	
TDS, ppm	--	1073	
'P' Alkalinity, ppm as $\text{CaCO}_3$	--		
Total Hardness, ppm as $\text{CaCO}_3$	--		
Calcium Hardness, ppm as $\text{CaCO}_3$	--		
Chloride, ppm as $\text{Cl}^-$	--		
Iron, ppm as Fe	0 - 2.0	0.07	

#### Treatment Residuals

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

All test results expressed in parts per million (ppm) as  $\text{CaCO}_3$  except pH and conductivity ( $\mu\text{mhos}$ ).

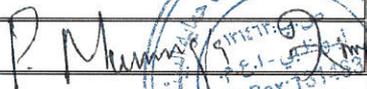
#### COMMENTS:

#### 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			--	
			--	
<b>Service Engineer:</b>	<b>MURUGARAJ</b>		<b>Client:</b>	<b>MR. TAHA DAKKA</b>
<b>Signature:</b>			<b>Signature:</b>	





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<b>SITE: HORIZON TOWER</b>	<b>Copy: TAFAWUQ</b>	<b>LOCATION: HIGH ZONE, E1 TOWER,</b>

### CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.16	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1441	
TDS, ppm	--	936	
'P' Alkalinity, ppm as $\text{CaCO}_3$	--		
Total Hardness, ppm as $\text{CaCO}_3$	--		
Calcium Hardness, ppm as $\text{CaCO}_3$	--		
Chloride, ppm as $\text{Cl}^-$	--		
Iron, ppm as Fe	0 - 2.0	<0.05	

Treatment Residuals			
Nitrite, ppm	> 800	690	
CaH Balance			
Dipslide	<10 <sup>3</sup>	ND	

All test results expressed in parts per million (ppm) as  $\text{CaCO}_3$  except pH and conductivity ( $\mu\text{mhos}$ ).

COMMENTS:	ACTION:
The pH levels are satisfactory <span style="float: right;">⇒</span>	No action recommended.
Dissolved iron levels are found within control limits. <span style="float: right;">⇒</span>	No action recommended.
Corrosion Inhibitor levels are Low <span style="float: right;">⇒</span>	Kindly Maintain the Nitrite level above 800PPM

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

<b>Service Engineer:</b>	<b>MURUGARAJ</b>	<b>Client:</b>	<b>MR. TAHA DAKKA</b>
<b>Signature:</b>		<b>Signature:</b>	



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<b>SITE: HORIZON TOWER</b>	<b>Copy: TAFAWUQ</b>	<b>LOCATION: E1 TOWER, LOW ZONE BASEMENT 01,</b>

### CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 – 10.5	10.44	
Conductivity, $\mu\text{s/cm}$	Max 3500	1672	
TDS, ppm	--	1086	
'P' Alkalinity, ppm as $\text{CaCO}_3$	--		
Total Hardness, ppm as $\text{CaCO}_3$	--		
Calcium Hardness, ppm as $\text{CaCO}_3$	--		
Chloride, ppm as $\text{Cl}^-$	--		
Iron, ppm as Fe	0 – 2.0	0.09	
<b>Treatment Residuals</b>			
Nitrite, ppm	$\gt$ 800	830	
CaH Balance			
Dipslide	$<10^3$	ND	

All test results expressed in parts per million (ppm) as  $\text{CaCO}_3$  except pH and conductivity ( $\mu\text{mhos}$ ).

**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:**

*(Handwritten Signature)*

**Signature:**

