



CONSULTING SERVICE REPORT

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|-----------------------|---|----------------------------|
| CUSTOMER: TAFAWUQ | To: Mr. IBRAMHIM ABUAKEL FM SUPERVISOR | DATE: 21-12 -2019 |
| SITE: MUSSAFAH GARDEN | Copy: TAFAWUQ | SAMPLE POINT: BUILDNING B1 |

CHILLED WATER ANALYSIS

| PARAMETER | CONTROL LIMITS | CHILLED WATER |
|--|----------------|---------------|
| pH | 9.0 - 10.5 | 10.34 |
| Conductivity, $\mu\text{s}/\text{cm}$ | Max 3500 | 1623 |
| TDS, ppm | -- | 1054 |
| '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 | 0.19 |

| Treatment Residuals | | |
|---------------------|-----------|-----|
| Nitrite, ppm | \gt 800 | 860 |
| CaH Balance | | |
| Dipslide | $<10^3$ | ND |

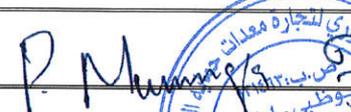
All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

| COMMENTS: | ACTION: |
|--|------------------------|
| The pH levels are satisfactory \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. IBRAMHIM ABUAKEL |
| Signature: | | | Signature: | |



CONSULTING SERVICE REPORT

| CUSTOMER: TAFAWUQ | | To: Mr. IBRAMHIM ABUAKEL FM SUPERVISOR | | DATE: 21-12-2019 |
|---|---|---|------------------------|----------------------------|
| SITE: MUSSAFAH GARDEN | | Copy: TAFAWUQ | | SAMPLE POINT: BUILDNING B2 |
| CHILLED WATER ANALYSIS | | | | |
| PARAMETER | CONTROL LIMITS | CHILLED WATER | | |
| pH | 9.0 - 10.5 | 10.12 | | |
| Conductivity, $\mu\text{s}/\text{cm}$ | Max 3500 | 1590 | | |
| TDS, ppm | -- | 1033 | | |
| '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 | 0.12 | | |
| 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. | |
| | | | | |
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| INVENTORY LEVELS | | | DOSAGE SCHEDULE | |
| Chemical | Quantity | Chemical | Present Dosage | Revised Dosage |
| Crystal 5547C | | | -- | |
| Crystal 9040 | | | -- | |
| | | | -- | |
| Service Engineer: | MURUGARAJ | | Client: | Mr. IBRAMHIM ABUAKEL |
| Signature: |  | | Signature: | |

