



ADDENDUM 2

April 20, 2021

ITB FM 38-21

WATER TREATMENT SERVICES

This addendum is being issued to provide answers to questions asked at the pre-bid meeting, provide service reports, and extend the question deadline and bid opening date.

1. Are escorts required at jail and airport? **Yes**
2. Do you want specifications on any recommended new equipment or just the price? **We just need the price and to know that it is comparable to what we currently have in place.**
3. Does the water treatment equipment belong to the County? **Yes**
4. Is there an issue with leaks? **No leaks are known at this time.**
5. Is there a problem with cold water? **No**
6. See attached service reports.

The deadline for questions has been extended to April 26, 2021 at 3:00 P.M. CST. The bid opening date has been extended to May 12, 2021 at 3:15 P.M. CST.

Representative: Steve Long

OKALOOSA COUNTY (628727)
OKALOOSA COUNTY COURTHOUSE

2/2/2021

OKALOOSA COUNTY
101 E. JAMES LEE BLVD
CRESTVIEW, FL, 32536

Submitted To: Randy Overly (roverly@myokaloosa.com)

Cooling Systems						
Test	Cooling System					
	City Water	Cooling Tower	Chilled Loop	Hot Loop		
Conductivity (µS/cm) Control Range	230	770	2,120	2,370		
		750-900				
pH (SU) Control Range	7.60	8.80	9.80	10.00		
Total Alkalinity (ppm CaCO ₃) Control Range	110	400				
Calcium Hardness (ppm CaCO ₃) Control Range	54	192				
Chloride (ppm) Control Range	5					
PTSA (ppb) Control Range		149.00				
		100.00-200.00				
Nitrite (NaNO ₂) (ppm) Control Range			1,000	1,200		
			600-2,000	800-2,000		
Cycles Control Range		3.35				

Cooling Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

Cooling System - Cooling Tower

- Conductivity is within control range. PTSA is within control range.

Cooling System - Chilled Loop

- Nitrite (NaNO₂) is within control range.

Cooling System - Hot Loop

- Nitrite (NaNO₂) is within control range.

Inventory							
Location	Product	Container Size	UOM	Current Inventory	Previous Inventory	Inventory Additions	Usage
Tower	31955	40.00	gal	12.00	14.00	0.00	2.00
Tower	40125	20.00	gal	5.00	5.50	0.00	0.50
Tower	42171	5.00	gal	0.80	1.20	0.00	0.40



SMARTFSR

Representative: Steve Long

OKALOOSA COUNTY (628727)
OKALOOSA COUNTY COURTHOUSE

2/2/2021

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA CO FACILITY MAINT - (WATER & SEWER BLDG)

2/2/2021

OKALOOSA COUNTY
WATER & SEWER BLDG
1808 LEWIS TURNER BLVD
FORT WALTON BEACH, FL, 32547

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	CLOSED LOOPS					
	Chilled Water Loop					
Conductivity	2,290					
(µS/cm) Control Range						
pH	9.80					
(SU) Control Range						
Nitrite (NaNO ₂)	920					
(ppm) Control Range	600-2,000					

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

CLOSED LOOPS - Chilled Water Loop

- Nitrite (NaNO₂) is within control range.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA CO FACILITY MAINT - (OKALOOSA COURTHOUSE ANNEX)

2/2/2021

OKALOOSA COUNTY
OKALOOSA COURTHOUSE ANNEX
1940 LEWIS TURNER BLVD
FORT WALTON BEACH, FL, 32547

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	CLOSED LOOPS					
	Chilled Water Loop	Hot Water Loop				
Conductivity (µS/cm) Control Range	2,760.00	4,560.00				
pH (SU) Control Range	10.00	10.00				
Nitrite (NaNO ₂) (ppm) Control Range	1,520.00 600.00-2,000.00	2,400.00 800.00-2,400.00				

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

CLOSED LOOPS - Chilled Water Loop

- Nitrite (NaNO₂) is within control range.

CLOSED LOOPS - Hot Water Loop

- Nitrite (NaNO₂) is within control range.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA CO FACILITY MAINT - (OKALOOSA CO. JAIL)

2/2/2021

OKALOOSA COUNTY
OKALOOSA CO. JAIL
1200 E. JAMES LEE BLVD
CRESTVIEW, FL, 32539

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	CLOSED LOOPS					
	Chilled Water Loop	Hot Water Loop				
Conductivity (µS/cm) Control Range	1,850.00	410.00				
pH (SU) Control Range	9.80	9.00				
Nitrite (NaNO ₂) (ppm) Control Range	960.00	160.00				
	600.00-2,000.00	800.00-2,000.00				

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

CLOSED LOOPS - Chilled Water Loop

- Nitrite (NaNO₂) is within control range.

CLOSED LOOPS - Hot Water Loop

- Nitrite (NaNO₂) is below control range. This can lead to corrosion, deposits, and system failure. Hot loop has lost water the last 2 months. Treatment will be added after water loss is corrected.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556

Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA CO FACILITY MAINT - (OKALOOSA AIRPORT)

2/2/2021

OKALOOSA COUNTY
OKALOOSA AIRPORT
1701 STATE RD 85 NORTH
EGLIN AFB, FL, 32542

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	CLOSED LOOPS					
	Chilled Loop	Hot Loop				
Conductivity ($\mu\text{S/cm}$)	1,650	1,370				
Control Range						
pH (SU)	9.80	10.00				
Control Range						
Nitrite (NaNO_2) (ppm)	880	640				
Control Range	600-2,000	800-2,000				

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

CLOSED LOOPS - Chilled Loop

- Nitrite (NaNO_2) is within control range.

CLOSED LOOPS - Hot Loop

- Nitrite (NaNO_2) is below control range. This can lead to corrosion, deposits, and system failure. Hot loop has lost water since last month. I have added 58100 to bring nitrite level into control range.



Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA ADMINISTRATION BLDG

2/2/2021

OKALOOSA COUNTY
CRESTVIEW COURTHOUSE
101 E. JAMES LEE BLVD
CRESTVIEW, FL, 32536

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	Closed Loops					
	Chilled Water Loop	Hot Water Loop				
Conductivity (µS/cm) Control Range	2,360	3,300				
pH (SU) Control Range	10.00	10.40				
Nitrite (NaNO ₂) (ppm) Control Range	880 600-2,000	1,200 800-2,000				

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

Closed Loops - Chilled Water Loop

- Nitrite (NaNO₂) is within control range.

Closed Loops - Hot Water Loop

- Nitrite (NaNO₂) is within control range.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (661213)
EOC

2/2/2021

OKALOOSA COUNTY
EMERGENCY OPERATIONS CENTER
90 COLLEGE BLVD EAST
NICEVILLE, FL, 32578

Submitted To: Randy Overly (roverly@myokaloosa.com)

Cooling Systems						
Test	Geothermal System					
	Closed Loop					
Conductivity (µS/cm) Control Range	3,340					
pH (SU) Control Range	8.50					
Nitrite (NaNO ₂) (ppm) Control Range	960	600-2,000				

Cooling Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

Geothermal System - Closed Loop

- Nitrite (NaNO₂) is within control range.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA CO FACILITY MAINT - (OKALOOSA COURTHOUSE ANNEX)

4/15/2021

OKALOOSA COUNTY
OKALOOSA COURTHOUSE ANNEX
1940 LEWIS TURNER BLVD
FORT WALTON BEACH, FL, 32547

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	CLOSED LOOPS					
	Chilled Water Loop	Hot Water Loop				
Conductivity (µS/cm) Control Range	2,660.00	4,520.00				
pH (SU) Control Range	10.00	10.20				
Nitrite (NaNO ₂) (ppm) Control Range	1,360.00 600.00-2,000.00	2,400.00 800.00-2,400.00				

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

CLOSED LOOPS - Chilled Water Loop

- Nitrite (NaNO₂) is within control range.

CLOSED LOOPS - Hot Water Loop

- Nitrite (NaNO₂) is within control range.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA CO FACILITY MAINT - (OKALOOSA CO. JAIL)

4/15/2021

OKALOOSA COUNTY
OKALOOSA CO. JAIL
1200 E. JAMES LEE BLVD
CRESTVIEW, FL, 32539

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Comments

No testing today due to bad weather.

Customer Signature

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Email: steve.long@chemaqua.com
Contact #: 850-261-2556

Representative: Steve Long

OKALOOSA COUNTY (628727)
OKALOOSA COUNTY COURTHOUSE

4/15/2021

OKALOOSA COUNTY
101 E. JAMES LEE BLVD
CRESTVIEW, FL, 32536

Submitted To: Randy Overly (roverly@myokaloosa.com)

Cooling Systems						
Test	Cooling System					
	City Water	Cooling Tower	Chilled Loop			
Conductivity (µS/cm) Control Range	230	820	2,100			
		750-900				
pH (SU) Control Range	7.60	8.80	9.80			
Total Alkalinity (ppm CaCO ₃) Control Range	110	432				
Calcium Hardness (ppm CaCO ₃) Control Range	54	196				
Chloride (ppm) Control Range	4					
PTSA (ppb) Control Range		200.00				
		100.00-200.00				
Nitrite (NaNO ₂) (ppm) Control Range			880			
			600-2,000			
Cycles Control Range		3.57				

Cooling Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

Cooling System - Cooling Tower

- Conductivity is within control range. PTSA is within control range.

Cooling System - Chilled Loop

- Nitrite (NaNO₂) is within control range.

Inventory							
Location	Product	Container Size	UOM	Current Inventory	Previous Inventory	Inventory Additions	Usage
Tower	31955	40.00	gal	8.00	10.00	0.00	2.00
Tower	40125	20.00	gal	8.00	4.00	5.00	1.00
Tower	42171	5.00	gal	5.00	0.40	5.00	0.40



SMARTFSR

Representative: Steve Long

OKALOOSA COUNTY (628727)
OKALOOSA COUNTY COURTHOUSE

4/15/2021

Customer Signature

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Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA CO FACILITY MAINT - (OKALOOSA AIRPORT)

4/15/2021

OKALOOSA COUNTY
OKALOOSA AIRPORT
1701 STATE RD 85 NORTH
EGLIN AFB, FL, 32542

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	CLOSED LOOPS					
	Chilled Loop	Hot Loop				
Conductivity (µS/cm) Control Range	1,630	2,270				
pH (SU) Control Range	9.80	10.00				
Nitrite (NaNO2) (ppm) Control Range	800 600-2,000	1,160 800-2,000				

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

CLOSED LOOPS - Chilled Loop

- Nitrite (NaNO2) is within control range.

CLOSED LOOPS - Hot Loop

- Nitrite (NaNO2) is within control range.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA ADMINISTRATION BLDG

4/15/2021

OKALOOSA COUNTY
CRESTVIEW COURTHOUSE
101 E. JAMES LEE BLVD
CRESTVIEW, FL, 32536

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	Closed Loops					
	Chilled Water Loop	Hot Water Loop				
Conductivity (µS/cm) Control Range	2,320	3,100				
pH (SU) Control Range	10.00					
Nitrite (NaNO ₂) (ppm) Control Range	880 600-2,000	1,160 800-2,000				

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

Closed Loops - Chilled Water Loop

- Nitrite (NaNO₂) is within control range.

Closed Loops - Hot Water Loop

- Nitrite (NaNO₂) is within control range.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (661213)
EOC

4/15/2021

OKALOOSA COUNTY
EMERGENCY OPERATIONS CENTER
90 COLLEGE BLVD EAST
NICEVILLE, FL, 32578

Submitted To: Randy Overly (roverly@myokaloosa.com)

Cooling Systems						
Test	Geothermal System					
	City Water	Cooling Tower	Closed Loop			
Conductivity (µS/cm) Control Range	260	740	3,890			
		700-800				
pH (SU) Control Range	7.60	8.70	9.00			
Total Alkalinity (ppm CaCO3) Control Range	120	384				
Calcium Hardness (ppm CaCO3) Control Range	44	160				
PTSA (ppb) Control Range		175.00				
		100.00-200.00				
Nitrite (NaNO2) (ppm) Control Range			880			
			600-2,000			

Cooling Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

Geothermal System - Cooling Tower

- Conductivity is within control range. PTSA is within control range.

Geothermal System - Closed Loop

- Nitrite (NaNO2) is within control range.

Customer Signature

Representative: Steve Long
Email: steve.long@chemaqua.com
Contact #: 850-261-2556



Representative: Steve Long

OKALOOSA COUNTY (452502)
OKALOOSA CO FACILITY MAINT - (WATER & SEWER BLDG)

4/15/2021

OKALOOSA COUNTY
WATER & SEWER BLDG
1808 LEWIS TURNER BLVD
FORT WALTON BEACH, FL, 32547

Submitted To: RANDY OVERLY (ROVERLY@CO.OKALOOSA.FL.US)

Closed Systems						
Test	CLOSED LOOPS					
	Chilled Water Loop					
Conductivity	2,280					
(µS/cm) Control Range						
pH	9.80					
(SU) Control Range						
Nitrite (NaNO ₂)	920					
(ppm) Control Range	600-2,000					

Closed Systems Status And Corrective Actions

Report reflects conditions at time of testing only. Operation within control ranges does not mitigate all risks from corrosion, deposits, and biological growth. Standard water treatment is not meant to protect against health risks. Operation outside control ranges may result in damage, failure, or health hazards.

CLOSED LOOPS - Chilled Water Loop

- Nitrite (NaNO₂) is within control range.

Customer Signature

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