

CS-21-295

AP

**CHANGE ORDER APPROVAL FORM**

9/13/2022

PROJECT: NAU Renewal of CUP No. 50087  
CHANGE ORDER NUMBER: CO01  
DATE: 9/9/22  
CONTRACT NUMBER: CM2786 WORK AUTHORIZATION NUMBER: WA10  
TO CONTRACTOR: Florida Governmental Utility Authority  
Account No(s). 71500536-531000

Description: The FGUA shall assist the County in responding to the ST. Johns River Water Management District (SJRWMD) Request for Additional Information (RAI) associated with NAU Consumptive Use Permit Application 50087-8. These services shall include:

- (a) Preparation of a written response to address Items 1-9 as identified on the SJRWMD RAI dated January 28, 2022, and subsequent extensions.

Reason for Change Order: As noted in the original work authorization CM2786-WA10, the extent of questions SJRWMD reviewers may ask was unknown until the application was submitted. A \$7,500 contingency for RAI response was included in the original work authorization. The \$3,931.00 amount associated with this change order represents the amount beyond the \$7,500 contingency initially included in the original work authorization. A time extension is also necessary to address the RAI items.

Original Contract Sum.....	\$	<u>31,404.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>0.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>31,404.00</u>
Amount of this Change Order (Add).....	\$	<u>3,931.00</u>

New Contract Sum Including this Change Order.....	\$	<u>35,335.00</u>
The Contract Time will be increased		<u>265 days</u>
Previous Substantial Completion: <u>04/30/2022</u>	Previous Final Completion: <u>04/30/2022</u>	
New Substantial Completion: <u>01/25/2023</u>	New Final Completion: <u>01/25/2023</u>	

APPROVED BY: <u>Marshall Eyerman</u>	DATE: <u>9/13/2022</u>
Department Head	
APPROVED BY: <u>Lanessa Belmonte</u>	DATE: <u>9/14/2022</u>
Procurement Department	
DF 9/14/2022 APPROVED BY: <u>chris lacambra</u>	DATE: <u>9/14/2022</u>
Office of Management and Budget	
APPROVED BY: <u>Denise C. May</u>	DATE: <u>9/14/2022</u>
County Attorney's Office	
APPROVED BY: <u>[Signature]</u>	DATE: <u>9/14/2022</u>
Taco E. Pope, AICP, County Manager	
APPROVED BY: <u>N/A</u>	DATE: _____
Jeff Gray, Chairman	
ATTEST: <u>N/A</u>	DATE: _____
John A. Crawford, Clerk of Courts	

**CHANGE ORDER REQUEST FORM**

NAU Renewal of CUP No. 50087  
PROJECT

No. 01

09/09/2022

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS  
COUNTY Contract / Purchase Order No.: CM2786-WA10  
CONTRACTOR: Florida Governmental Utility Authority

ENGINEER / ARCHITECT: N/A

The undersigned parties agree to amend this Contract to add an additional 265 days to the contract time and increase the contract value by \$3,931.00.

Attachments: Change Order Summary and Supporting Docs

RECOMMENDED:

By: \_\_\_\_\_  
Engineer/Architect (Authorized Signature)

Date: \_\_\_\_\_

APPROVED:

By: \_\_\_\_\_  
COUNTY (Authorized Signature)

Date: \_\_\_\_\_

ACCEPTED:

By: \_\_\_\_\_  
Contractor (Authorized Signature)

Date: \_\_\_\_\_

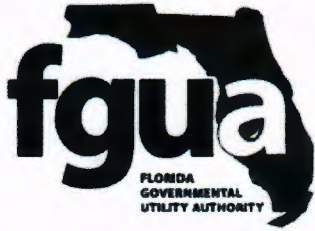
## Change Order Summary and Supporting Docs

The FGUA shall assist the County in responding to the St. Johns River Water Management District (SJRWMD) Request for Additional Information (RAI) associated with NAU Consumptive Use Permit Application 50087-8. These services shall include:

- a) Preparation of a written response to address Items 1-9 as identified on the SJRWMD RAI dated January 28, 2022, and subsequent extensions.

As noted in the original work authorization CM2786-WA10, the extent of questions SJRWMD reviewers may ask was unknown until the application was submitted. A \$7,500 contingency for RAI response was included in the original work authorization. The \$3,931.00 amount associated with this change order represents the amount beyond the \$7,500 contingency initially included in the original work authorization. At time extension is also necessary to address the RAI items.

**FGUA / Tetra Tech Work Authorization for  
NAU CUP Renewal No. 50087 RAI #1 Response**



**FGUA Operations Office**

Government Services Group, Inc.  
280 Wekiva Springs Rd., Ste 2070  
Longwood, FL 32779-6026

(877) 552-3482 Toll Free  
(407) 629-6900 Tel  
(407) 629-6963 Fax

**NOTICE TO PROCEED**

April 28, 2022

Jon D. Fox  
Tetra Tech, Inc.  
201 East Pine Street, Suite 1000  
Orlando, FL 32801

**RE: FGUA Nassau Amelia Utility System;  
Engineering Services for Nassau County – Response to Request for Additional Information of CUP # 5008  
FGUA Work Authorization: TT 21-04  
FGUA Project No. OPEX**

Dear Mr. Fox:

Please consider this your Notice to Proceed with the above referenced work authorization. One (1) copy of the fully executed work authorization is attached for your files.

All work contained in the attached work authorization shall be completed in accordance with the project schedule outlined in the work authorization.

If you have any questions in this regard, please do not hesitate to contact me.

Sincerely,

**FLORIDA GOVERNMENTAL UTILITY AUTHORITY**

DocuSigned by:  
  
100502770450400  
Stephen M. Spratt,  
System Manager

**FGUA Board of Directors**

KEN CHEEK, P.E. Chair, Citrus County / PAM KEYES, P.E. Vice Chair, Lee County / SHANE PARKER, P.E. Hendry County / TAMARA RICHARDSON, P.E. Polk County / MICHAEL CARBALLA, P.E. BCEE, Pasco County / Jody Kirkman, P.E., Marion County/ Robert Companion P.E., Nassau County/ Heidi Petito, Flagler County

# Work Authorization No. TT 21-04

## Amendment No. 1

Professional Services Agreement Between the  
**Florida Governmental Utility Authority (FGUA)**,  
a legal entity and public body created by Interlocal agreement pursuant to Section  
163.01(7), Florida Statutes  
and  
Tetra Tech, Inc. (Tetra Tech)

**Nassau Amelia Utilities, Nassau County, FL**  
**Response to Request for Additional Information of CUP #50087**

### A. SUMMARY OF SERVICES TO BE RENDERED

Under Work Authorization TT 21-04 Tetra Tech, Inc provided the necessary professional services to prepare and submit the consumptive use permit (CUP) application for the Nassau Amelia Utilities system within Nassau County, Florida. On January 28, 2022, the St. Johns River Water Management District (District) issued a request for additional information (RAI), which is attached for reference. FGUA and Tetra Tech subsequently reviewed the items with the District to clarify what would be expected on the RAI response. Tetra Tech will prepare the RAI response Items 1-9, of which are considered to be beyond the original scope of services for Work Authorization TT 21-04 and are subject to additional compensation.

Work Authorization TT 21-04 Amendment No. 1 covers the additional costs associated with the information described below.

- Item #1 FGUA will provide the requested shapefiles for the current and projected service area boundaries. Tetra Tech will review the provided data and prepare a response.
- Item #2 FGUA will provide the requested shapefiles for the current and projected potable and reclaimed lines. Tetra Tech will review the provided data and prepare a response.
- Item #3 FGUA will need to determine if they would like to keep or remove the proposed well within the CUP application. Tetra Tech will review the provided data and prepare a response.
- Item #4 FGUA will provide the requested coordinates for each active, proposed, and monitoring well. Tetra Tech will review the provided data and prepare a response.
- Item #5a - 5b FGUA will need to approve the Impacts Analysis Task 2 from the original Work Authorization 21-04 so that Tetra Tech can complete the NSFEG impact evaluation.

The District has also requested the use of the KHTM model to evaluate impacts to Lakes Brooklyn and Geneva as well as the Suwanee District MFLs. These evaluations will require additional funding from the original request in order to prepare a complete response.

- Item #6 Tetra Tech will work with the District Water Conservation Coordinator and FGUA to prepare a more complete water conservation plan.
- Item #7a – 7f Tetra Tech will review the BEBR projection data and provide an in-depth summary. FGUA will provide documentation for ERC values and areas within the service area boundary anticipated to be developed within the next 20-years. If FGUA cannot provide documentation for ERC values Tetra Tech can provide costing to complete this request.  
Tetra Tech will review the provided data and prepare a response.
- Item #8 Tetra Tech will review the historical FGUA reclaimed data against the District EN-50s provided from the receiving golf courses. Tetra Tech will estimate projected reclaimed demand and compare these values with the amount of water each golf course anticipates is needed per the CUP. Based on this data Tetra Tech will prepare a response.
- Item #9 Based on the results from the information for Item #8 and any additional information provided from FGUA, Tetra Tech will provide a response.

Tetra Tech can submit the RAI response on behalf of FGUA, as it has done on other CUP related submittals, or it can prepare a submittal package for FGUA to submit directly to the District. All regulatory fees (if necessary) will be paid by FGUA.

Professional services described herein will be performed in accordance with FGUA and Tetra Tech, Inc. Contract for Consulting/Professional Services dated July 20, 2017.

## B. PROJECT COST

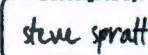
Task	Task Description	Cost
3.01	RAI Response Meeting w/ District	\$1,002
3.02	Service Area & Well Information Tasks (Items 1 - 4)	\$490
3.03	KHTM Model Task (Item 5a-b)	\$2,813
3.04	Water Conservation Task (Item 6)	\$715
3.05	Projection Demand Task (Item 7a-f)	\$2,369
3.06	Reclaimed Projection Demand Tasks (Items 8 - 9)	\$1,449
3.07	Document Preparation	\$1,261
3.08	Teleconference, Meetings, & Project Coordination	\$1,332
<b>Lump Sum Total</b>		<b>\$11,431.00</b>

## C. PROJECT SCHEDULE

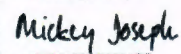
The response is anticipated to be submitted within 180-days from receipt of the RAI by July 27, 2022. Should an extension be necessary Tetra Tech will submit the request to the District before this deadline.


**D. NOTICE/PROJECT MANAGER OF CONSULTANT**

  
Tetra Tech, Inc.  
Jon D. Fox, Operations Manager  
201 East Pine Street, Suite 1000  
Orlando, FL 32801  
407.839.3955

DocuSigned by:  
  
10D582776456408  
Stephen M. Spratt, System Manager  
Florida Governmental Utility Authority  
280 Wekiva Springs Road, Suite 2070  
Longwood, Florida 32779

Certification that Sufficient Funds are Available:

DocuSigned by:  
  
65C9186A06834D7  
Mickey Joseph  
Chief Financial Officer

DocuSigned by:  
  
6383C3D00544445  
William Fontaine  
Operations Manager

Dated this 28th day of April, 2022



## SJRWMD RAI and Extensions



# St. Johns River Water Management District

Michael A. Register, P.E., Executive Director

7775 Baymeadows Way • Suite 102 • Jacksonville, FL 32256 • 904-730-6270 • www.sjrwmd.com

January 28, 2022

Miguel Garcia  
Tetra Tech, Inc.  
201 East Pine Street, Suite 1000  
Orlando, FL 32801  
Sent via eMail: miguel.garcia@tetrattech.com

RE: Nassau Amelia Utilities, Consumptive Use Permit application 50087-8  
Nassau County, Florida  
Request for Additional Information

Dear Mr. Garcia,  
Thank you for submitting the consumptive use permit (CUP) application on December 29, 2021, to the St. Johns River Water Management District. The District has reviewed the application and has determined that additional information is needed in order to complete the application.

Specifically, the following information is needed:

1. Please provide a GIS shapefile of the current and projected service area boundaries for Nassau Amelia Utilities. [Section 2.2.2.3 of the Applicant's Handbook: Consumptive Uses of Water (August 29, 2018)] (A.H.)
2. Please provide a GIS shapefile of the current and projected potable and reclaimed lines for Nassau Amelia Utilities. [Section 2.2.2.3 A.H.]
3. The current application lists the wells outlined in the table below. Please provide an update on plans for construction of proposed well 4-AI (Station 33942). [Section 2.1.1 A.H.]

Station ID	Station Name	Casing Diameter (in)	Casing Depth	Total Depth (ft)	Source	Station Status	Pump Capacity (gpm)
11419	1-AI	12	492	1016	UFA	Active	1275
11420	2-AI	16	499	759	UFA	Active	1250
33941	3-AI	16	500	1000	UFA	Active	1250
33942	4-AI	16	500	1000	UFA	Proposed	1500
34637	5-MW	4	500	750	UFA	Active Monitoring	

**GOVERNING BOARD**

Rob Bradley, CHAIR  
FLEMING ISLAND

Maryam H. Ghyabi-White, VICE CHAIR  
ORMOND BEACH

J. Chris Peterson, SECRETARY  
WINTER PARK

Ron Howse, TREASURER  
COCOA

Ryan Alerood  
MOUNT DORA

Doug Bourmque  
VENO BEACH

Douglas Burnett  
ST AUGUSTINE

Cole Oliver  
MEADOW ISLAND

Janet Price  
PENSACOLA BEACH

Nassau Amelia Utilities  
January 28, 2022

50087-8

- 4. Please provide a map showing the location of each active, proposed, and monitoring wells, and associated GPS coordinates. [Section 2.1.1 A.H.]
- 5. Please demonstrate the proposed withdrawals will not:
  - a. Reduce a flow or level below any minimum flow or level established by the District or the Department of Environmental Protection pursuant to Section 373.042 and 373.0421, F.S.; or
  - b. Cause harmful hydrologic alterations to natural systems, including wetlands or other surface waters; or

Please include the results of all groundwater modeling simulations and groundwater modeling files used for these evaluations. [Section 2.3 A.H.]

- 6. Please submit an updated water conservation plan. As part of the water conservation plan document, please refer to section 2.2.2.5.1.A Standard Water Conservation Plan, in the Applicant's Handbook and address how each component of the rule is being and will be met by Nassau Amelia Utilities. Include the timeframes for initiating each water conservation activity, the frequency, duration and future implementation of these initiatives and programs focusing on Nassau Amelia Utilities' vision for the future. [Section 2.2.2.5 and 2.3(a) A.H.]
- 7. The District's Water Supply Planning projections show this service area is near built-out with a water demand of 1.48 mgd through the 2040 planning horizon. Based on this data, additional information is needed to support the requested water use allocation. Please provide the information below relating to the water use projections:
  - a. The permit application shows the BEBR projection percentages for each five-year interval; however, the calculated population in the table does not appear to match the projection percentages provided. Provide clarification on the calculations using the BEBR Medium projection percentages to determine future number of active residential connections.
  - b. Identify areas within the service area that can and are anticipated to be developed.
  - c. Provide a timeline for each development project noted in the application that indicates when the development is anticipated to begin and when it will be completed.
  - d. Provide a map showing the parcels slated for development or redevelopment with any additional information such as permits which have already been issued and/or development plans for the site. Please provide these items for the entire permit duration.
  - e. Provide documentation and citations supporting the equivalent residential connection (ERC) values that were used in the calculations.
  - f. Provide revised water use projections (sections E-2 and E-3) based on any updates or changes to the water use projections.

[Section 2.2.2 and 2.3(a) A.H.]

**GOVERNING BOARD**

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Rob Bradley, CHAIR FLEMING ISLAND	Maryam H. Ghyabi-White, VICE CHAIR ORMOND BEACH	J. Chris Peterson, SECRETARY WINTER PARK	Ron Howse, TREASURER COCOA
Ryan Atwood MOUNT DORA	Doug Bourmique VERO BEACH	Douglas Burnett ST. AUGUSTINE	Cole Oliver MERRITT ISLAND
			Janet Price FERNANDINA BEACH

Nassau Amelia Utilities  
January 28, 2022

50087-8

- 8. Provide projections for amount of reclaimed water projected to be distributed to all existing and new reclaimed water recipients over the next 20-years. [Section 2.3(e) A.H.]
- 9. Provide information explaining any methodologies used to ensure reclaimed water recipients are using the reclaimed water in an efficient manner to ensure greater availability of the reclaimed water by all customers. [Section 2.3(e) A.H.]
- 10. District staff are available to meet to discuss the RAI to facilitate responses and resolutions. Staff are also available to pre-review draft responses to more efficiently complete the permit application and resolve the questions above.

District rules require applicants to submit the requested information within 90 days from receipt of the Request for Additional Information. If a response is not received within this time frame, District staff will administratively deny the permit application pursuant to Rule 40C-1.1008(1), F.A.C. If more than 90 days is needed to respond, a written request may be submitted for additional time. The request should specify the reason the extension is necessary, and the amount of additional time requested.

The response or additional information can be submitted via the district's e-Permitting portal located at [www.sjrwmd.com/permitting](http://www.sjrwmd.com/permitting), via email to [applicationsupport@sjrwmd.com](mailto:applicationsupport@sjrwmd.com), by mail, or by contacting the reviewing hydrologist listed below.

Thank you for your cooperation. If you have any questions, please contact me at 904-448-7925 or [tclohisv@sjrwmd.com](mailto:tclohisv@sjrwmd.com).

Sincerely,



Tim Clohisv Hydrologist  
Division of Regulatory Services

cc: Regulatory File

Christopher Couch  
Sent via eMail: [ccouch@govmserv.com](mailto:ccouch@govmserv.com)

**GOVERNING BOARD**

Rob Bradley, CHAIR FLEMING ISLAND	Maryam H. Ghyabi-White, VICE CHAIR ORMOND BEACH	J. Chris Peterson, SECRETARY WINTER PARK	Ron Howse, TREASURER COCOA
Ryan Atwood MOUNT DORA	Doug Bourmque VERO BEACH	Douglas Burnett ST AUGUSTINE	Cole Oliver MERRITT ISLAND
			Janet Price FERNANDINA BEACH



April 19, 2022

Paula Presley, PG  
Supervising Hydrologist  
Bureau of Water Use Regulation  
St. Johns River Water Management District  
7775 Baymeadows Way, Suite 102  
Jacksonville, FL 32256

**Subject: Request for Time Extension  
Request for Additional Information  
FGUA – Nassau Amelia Utilities  
Consumptive Use Permit 50087**

**Tt #: 200-80926-21004**

Dear Ms. Presley:

On behalf of Florida Governmental Utility Authority (FGUA), Tetra Tech respectfully requests that the St. Johns River Water Management District extend by 90 days the response date for the above-referenced Request for Additional Information. The additional time is needed to compile the information requested in the RAI, prepare an updated projected demand, conduct groundwater modeling at the requested projected demand, and prepare responses to the RAI questions. Based on our calculations, if our request is granted our response will be due in your office on Wednesday, July 27, 2022. We appreciate your consideration of this request, and if you have any questions please call me at your convenience.

With best regards,

**Tetra Tech, Inc.**

A handwritten signature in black ink that reads 'Miguel Garcia'.

Miguel Garcia, PG, PMP  
Project Manager

c: Christopher Couch, FGUA  
William Fontaine, FGUA  
Charles Drake, PG, Tetra Tech  
Brook Wood, Tetra Tech  
Bruce Lafrenz, PG, Tetra Tech  
Anna Lee Woodson, PG, Tetra Tech

Tetra Tech, Inc.  
27 E. Bay Street, Suite 3000, Orlando, FL 32801  
Tel: 407.619.3730 Fax: 407.619.3730 www.tetra-tech.com

## Christopher Couch

---

**From:** Timothy Clohisy <TClohisy@sjrwmd.com>  
**Sent:** Tuesday, April 19, 2022 3:42 PM  
**To:** Longest, Brook; Paula Presley; Edmund Ulrich  
**Cc:** Christopher Couch; Garcia, Miguel; Woodson, AnnaLee  
**Subject:** RE: Nassau Amelia Utilities, CUP 50087 - RAI Extension Request

Hi Brook,

Thank you for sending the request. The District has granted the new RAI due date of July 27, 2022.

Please let us know if you have any other questions while working on the RAI.

Thanks.

Tim Clohisy  
Hydrologist  
Bureau of Water Use Regulation  
St. Johns River Water Management District Jacksonville Service Center  
7775 Baymeadows Way, Suite 102 • Jacksonville, FL 32256  
Office: (904) 448-7925  
Email: [tclohisy@sjrwmd.com](mailto:tclohisy@sjrwmd.com)  
Website: [www.sjrwmd.com](http://www.sjrwmd.com)  
Connect with us: [Newsletter](#), [Facebook](#), [Twitter](#), [Instagram](#), [YouTube](#), [Pinterest](#)



[www.sjrwmd.com/ePermit](http://www.sjrwmd.com/ePermit)

**From:** Longest, Brook <Brook.Wood@tetrattech.com>  
**Sent:** Tuesday, April 19, 2022 3:35 PM  
**To:** Paula Presley <ppresley@sjrwmd.com>; Timothy Clohisy <TClohisy@sjrwmd.com>; Edmund Ulrich <EUlrich@sjrwmd.com>  
**Cc:** Christopher Couch <cccouch@govmserv.com>; Garcia, Miguel <Miguel.Garcia@tetrattech.com>; Woodson, AnnaLee <AnnaLee.Woodson@tetrattech.com>  
**Subject:** Nassau Amelia Utilities, CUP 50087 - RAI Extension Request

Paula and Tim,

Attached is the Nassau Amelia Utilities CUP No. 50087 RAI extension request for 90 days with a new due date of Wednesday, July 27, 2022. Please let us know if you need anything further from us on this matter.

Thank you,  
**J. Brook (Wood) Longest** | Hydrogeologist  
Direct +1 (407) 480-3947 | Cell +1 (407) 490-6943 | Main +1 (407) 839-3955 | Fax +1 (407) 839-3790 |  
[brook.longest@tetrattech.com](mailto:brook.longest@tetrattech.com)



# St. Johns River Water Management District

Michael A. Register, P.E., Executive Director

7775 Baymeadows Way • Suite 102 • Jacksonville, FL 32256 • 904-730-6270 • [www.sjrwmd.com](http://www.sjrwmd.com)

July 22, 2022

Miguel Garcia, PG, PMP  
201 E Pine St. Suite 1000  
Orlando, FL 32801

RE: Florida Governmental Utility Authority – Nassau Amelia Utilities  
Consumptive Use Permit: 50087-8  
Nassau County  
RAI Extension Response

Dear Mr. Garcia,

The District received an email on July 22, 2022, requesting additional time to respond to the District's Request for Additional Information (RAI) dated January 28, 2022. The extension is needed to prepare an updated projected demand, conduct groundwater modeling at the requested projected demand, and prepare responses to the RAI questions.

The District is granting an extension that will expire on October 25, 2022.

If additional time beyond the October 25, 2022, deadline is required for completion of the response, please submit an additional extension request prior to October 25th.

If you have any questions, please contact me at (904) 448-7925 or [tclohisy@sjrwmd.com](mailto:tclohisy@sjrwmd.com).

Sincerely,

Tim Clohisy, Hydrologist  
Division of Water Supply Planning and Assessment

cc: Regulatory File

**GOVERNING BOARD**

Rob Bradley, CHAIR  
FLEMING ISLAND

Maryam H. Ghyabi-White, VICE CHAIR  
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MERRITT ISLAND

Janet Price  
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