



Hernando County Board of County Commissioners
15470 Flight Path Dr.
Brooksville, FL 34604

Construction Change Order

Owner: Hernando County Board of County Commissioners

Owner's Representative:

Vendor: STANTEC CONSULTING SERVICES INC

Change Order No. 1
Contract No. 23000819

Change Order Date: 12-12-2023
Contract Date:

Project Description:

CEI, AIRPORT PH.3 IMPROVEMENTS

The Project is Changed as Follows

Justification: CONTRACT NO.18-R00015/PH, STANTEC PO-23000819, CEI, AIRPORT IMPROVEMENTS

Change order 1 is requested to add \$51,300.00 to the PO, for permit renewal.
see attached documents

old PO Total \$227,690.57
new PO Total \$278,990.57

Total Addition/Deduction this Change Order: 51,300.00

The Original Contract Sum was	227,690.57
Net Change by previously authorized Change Orders:	.00
The Contract Sum prior to this Change Order was	227,690.57
The Net Amount of this Change Order is:	51,300.00
The new Contract Sum including this Change Order will be	278,990.57

The Contract Time will be changed by this Change Order (Days):
The Date of Substantial Completion as of the date of this Change Order therefore is:

Vendor Name/Address:

STANTEC CONSULTING SERVICES INC
380 PARK PLACE BLVD STE 300
CLEARWATER, FL 33759

Authorized Signature

Date: 12/18/2023

Owner or Owner's Representative:

Hernando County Commission
15470 Flight Path Dr.
Brooksville, FL 34601

Chief Procurement Office

Date:

Distribution:

- Vendor - Original
- Purchasing & Contracts
- Finance
- Requisitioning
- Contract File



Stantec Consulting Services Inc.
380 Park Place Boulevard, Suite 300
Clearwater FL 33759-4928

December 8, 2023

Project/File: 238200311 - Airport Water Reclamation Facility Phase 3 Improvements (Contract No. RH-R00015/PH)

Gordon Onderdonk, PE
Hernando County Utilities Department
15365 Cortez Boulevard
Brooksville, FL 34613

Greetings Mr. Onderdonk,

Reference: Airport Water Reclamation Facility Change Order No. 1 - Operating Permit Renewal

Hernando County's Airport Water Reclamation Facility Permit (FLA017223) expires on July 9, 2024. The purpose of this letter is to propose services to prepare the required permit renewal application forms and supporting documents for submittal to the Florida Department of Environmental Protection (FDEP) Southwest District Domestic Wastewater Permitting Department. As part of this Change Order, the permit renewal forms and supporting documents will include:

- Florida Administration Code (FAC) 62-620.910 Forms 1 and 2A
- Capacity Analysis Report
- Operation and Maintenance Performance Report
- Effluent Analysis Report

Stantec will provide the draft FDEP permit renewal application forms and listed supporting documents for the County's review. After the County's review, Stantec will address comments and prepare the final application forms and supporting documents for distribution to the County and FDEP. Stantec will prepare responses to FDEP's Requests for Additional Information (RAIs). After FDEP issues a draft permit, Stantec will review and provide comments for the final permit issuance.

Other documents required for the permit renewal that are included in this scope of work but are not part of this Change Order are: (1) the Collection System Action Plan and (2) the Collection/Transmission System Power Outage Contingency Plan.

Requirements for this permit renewal are detailed in the Project Scope section herein.

1. PROJECT SCOPE

TASK 10 – Permit to Finalize

TASK 10A – Permit Application Forms 1 and 2A & Kick-Off Meeting

Stantec will complete FAC 62-620.910 Form 1 (Wastewater Facility or Activity Permit Application—General Information) and Form 2A (Wastewater Permit application for Domestic Wastewater

Reference: Airport Water Reclamation Facility Change Order No. 3 - Operating Permit Renewal

Facilities) for renewal of the current permit for continued operation. This task includes a kick-off meeting with the County to review the data needs for the permit renewal and to establish lines of communication and the project schedule. Prior to the meeting, Stantec will provide a data needs summary to the County.

Task 10A Deliverables: Stantec will provide a final presentation of work completed to the County staff and address any questions and concerns prior to the final submittal. Each final permit renewal application form will then be sent to the County and FDEP via electronic delivery.

TASK 10B – Capacity Analysis Report Update

Stantec will prepare an updated Capacity Analysis Report, which will include tabulated flow data reported to FDEP as required by Rule 62-600.405, F.A.C., to calculate:

- Maximum monthly average daily flow
- Three-month average daily flow
- Annual average daily flows

The flow totals and influent biochemical oxygen demand (BOD) and total suspended solids (TSS) test results reported in the Discharge Monitoring Reports and influent total Kjeldahl nitrogen (TKN) test results will be used to calculate:

- Annual average CBOD, TSS, and TKN loads
- Maximum-month CBOD, TSS, and TKN loads
- Peak-day CBOD and TKN loads

Stantec will update future flow projections and time to reach the permitted treatment and disposal capacity using a combination of projected future flow totals and population committed to the service area. Existing flow and population data will be provided by the County.

Task 10B Deliverables: Stantec will provide a final presentation of work completed to the County staff and address any questions and concerns prior to the final submittal. The final Capacity Analysis Report will then be delivered electronically, with a copy sent to both the County and FDEP.

TASK 10C – Operation and Maintenance Performance Report Update

Stantec will prepare an updated Operation and Maintenance Performance Report pursuant to Rule 62-600.735, F.A.C. Stantec will schedule and conduct a walkthrough of the facility to observe the physical condition of each treatment unit as required by FAC 62-600. Stantec will review reported influent and effluent flow and quality data and groundwater monitoring data. The Operation and Maintenance Performance Report will include:

Reference: Airport Water Reclamation Facility Change Order No. 3 - Operating Permit Renewal

- Plant description, including flow schematic diagram(s) with process tank volumes, flow rates, surface areas, and effluent disposal and reuse systems
- Tabulated summaries of plant facilities and equipment
- Tabulated summaries of current and anticipated permit limitations and requirements
- One plant site visit for treatment facility physical condition review
- Tabulation of plant facilities and equipment for physical and operating conditions
- Historic flows and loads
- Projected maximum month, peak hour, and seasonal flows at permitted capacity
- Projected BOD, TSS, and TKN loads at the permitted capacity
- Facility's treatment capacity at the projected flows and loads
- Tabulated and graphical representations of reported effluent parameters
- Tabulated and graphical representations of groundwater parameters
- Updated schedules and recommendations of corrective actions for facility upgrades, problems or deficiencies
- Flow meter and totalizer calibration certificates, reduced pressure zone backflow preventer testing certifications, copies of reuse binding agreements with individual users and/or local ordinances, residuals' transport and disposal to permitted residual management facilities contracts copies are to be provided by the County in an electronic format (pdf)

If required, Consultant will attend one meeting at the FDEP-Southwest District offices to discuss plant performance issues and other related permit renewal issues.

Task 10C Deliverables: Stantec will provide a final presentation of work completed to the County staff and address any questions and concerns prior to the final submittal. Stantec will then distribute the final Operation and Maintenance Performance Report electronically, with a copy sent to both the County and FDEP.

TASK 10D – Effluent Analysis Report Update

Stantec will coordinate preparation of an Effluent Analysis Report in accordance with Rules 62-600.680 and 62-620.610, F.A.C. Effluent will be sampled by the County and analyzed by a certified laboratory. Analysis will include required inorganic, synthetic organic, volatile organic, disinfection by-products, radionuclides, and secondary contaminants. Stantec will coordinate with FDEP to ensure required analytes are tested and included in the Effluent Analysis Report.

Task 10D Deliverables: Stantec will provide a final presentation of work completed to the County staff and address any questions and concerns prior to the final submittal. Stantec will then distribute the final Effluent Analysis Report electronically, with a copy sent to both the County and FDEP.

Reference: Airport Water Reclamation Facility Change Order No. 3 - Operating Permit Renewal

TASK 10E – Respond to FDEP Requests for Additional Information

Stantec has included in this proposal the effort to prepare responses to FDEP RAIs after submitting the permit application forms and supporting documents.

Task 10E Deliverables: Stantec will provide RAI responses electronically, with a copy sent to both the County and FDEP.

TASK 10F – Draft Operating Permit Review

As part of the permit review renewal process, FDEP issues a draft operating permit to the County for review and comment. Stantec will review the draft permit for completeness and consistency with the previous permit requirements and conditions.

Task 10F Deliverables: Stantec will provide preliminary written review comments and suggested revisions, if any, to the County. Stantec will summarize final comments and suggested revisions to the draft permit for submittal to FDEP.

TASK 10G – Collection System Action Plan (NOT INCLUDED)

The Collection System Action Plan is not included in this scope of work, but is required per Rule 62-600.705(2), F.A.C. The plan's goal is to prevent sanitary sewer overflows and leakages that may endanger public health and the environment.

The plan should consider:

- The plan must cover at least a 5-year planning horizon for all collection/transmission systems under the utility's control and the plan's detail must reflect the complexity of the system.
- The plan must set goals for evaluating percentages of the collection system each year with a minimum of 25 percent of the collection system evaluated over the five-year planning horizon. Evaluations and assessments may be made using one or more investigative techniques such as camera inspections, smoke testing, data analytics, flow isolation, focused electrode leak location, direct observation, and sonar imaging, water chemistry, and solids analysis, or flow monitoring.
- The plan must be based on infiltration and inflow (I&I) studies, leakage surveys, and any follow-up detailed sanitary sewer evaluation surveys.
- The plan must include a map and inventory of the collection system. Facilities with a permitted capacity over 1 million gallons per day must have a computerized GIS map and electronic inventory. Inventory items include:
 - Detailed information on each section of pipe, manholes, and pump stations including inspection and maintenance information.
 - Climatic, geologic, topographic, and hydrological information including seasonal high water table information and rainfall data.

Reference: Airport Water Reclamation Facility Change Order No. 3 - Operating Permit Renewal

- Information on system flows, SSOs, bypasses, odor complaints, corrosion data, and past I&I analyses, as well as population and industries served.
- The plan must include an adaptive maintenance and repair plan including protocols for routine maintenance, cleaning activities, and emergency repairs.
- Contact information and recordkeeping procedures.
- The plan shall describe measure, if any, taken for the following:
 - To limit fats, oils, grease, wet wipes, sand, and grit into the collection system, and a root control program.
 - Any local sewer ordinances or programs to minimize I&I from private sanitary sewer laterals/individual service connections.
 - Resiliency for sea-level rise and flood mitigation and stormwater control actions.
- After December 21, 2025, identify all satellite collection systems connected to the facility collection system.

The facility must also submit an annual report by June 30th of the year following the fiscal year covered by the report. The report must include, at a minimum:

- A summary of assessments conducted, results of the assessments, and the percentage of the collection system assessed.
- Significant repairs, replacements, maintenance activities, expansions and upgrades conducted during the year and any planned for the upcoming year.
- After December 21, 2025, identification of new satellite collection systems.
- Information on annual expenditures for I&I studies, implementing the collection system action plan, repairs, replacements, and measures related to limiting fats, oil, grease, roots, wet wipes, sand, and grit in the collection system.
- Details of facility revenues and expenditures related to the collection system.
- Any other activities and information deemed relevant by the permittee.

TASK 10H – Collection/Transmission System Power Outage Contingency Plans (NOT INCLUDED)

The Collection/Transmission System Power Outage Contingency Plans are not included in this scope of work, but is required per Rule 62-600.705(1), F.A.C. The plan's goal is to prevent sanitary sewer overflows during a power loss to a pump station, a portion of a collection system, or to the entire collection system.

The Power Outage Contingency Plans should address:

- Overview of the plan, its management, and general response procedures for power outages at individual pump stations as well as area-wide power outages.

Reference: Airport Water Reclamation Facility Change Order No. 3 - Operating Permit Renewal

- Overview of the collection system, including a map, identifying pump stations and critical areas for SSOs.
- Pump station inventory and individual pump station evaluations/assessments related to power outages.
- Inventory of portable generators and bypass pumps including storage and maintenance procedures.
- Fuel resources.
- Response teams/personnel.
- Communications.
- Mutual aid agreements.
- Upgrades and improvements.
- Financial resources.

2. BUDGET

The project will be completed in 324 hours for a lump sum fee of \$51,300. See the attached fee estimate spreadsheet for details. Permitting fees and expenses are to be paid for by the County.

3. SCHEDULE

The Work will be completed as follows, with submittals delivered electronically in pdf format:

Tasks 10A through 10D

Draft documents submittal to County	42 days from NTP
County review of draft documents	7 days after draft receipt
Final documents submit to FDEP	10 days from receipt of County comments

Tasks 10E and 10F

Draft response to comments	14 days from receipt of comments
Final response to comments	7 days from receipt of County comments

4. STANTEC STAFF ASSIGNMENTS

Title/Name	Phone Number
Project Manager/Thomas Nogaj, PhD, PE	(727) 424-4025
Engineering Intern/Andrew Olivas, ENV-SP	(727) 431-1552
Engineering Intern/Tulsi Shukla, PhD	(727) 250-5792

Reference: Airport Water Reclamation Facility Change Order No. 3 - Operating Permit Renewal

5. CORRESPONDENCE / REPORTING PROCEDURES

Correspondence shall be sent to Ron Patel, Engineering Division Manager, Hernando County Environmental Services Department.

6. INVOICES / FUNDING PROCEDURES

The fees for this project are based upon Lump Sum. Lump sum fees will be invoiced monthly based on percent complete.

See the attached fee estimate spreadsheet for fee details.

Respectfully,

STANTEC CONSULTING SERVICES INC.



Thomas Nogaj PhD, PE
Florida Practice Leader, Wastewater
Phone: (727) 424-4025
Mobile: (727) 424 4025
thomas.nogaj@stantec.com

Attachment: Fee Estimate

The signatures below indicate acceptance of this proposal as of _____
Date

Hernando County Utilities Department

Stantec Consulting Services, Inc.

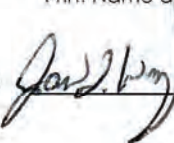
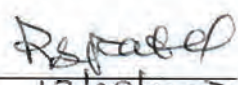
Jared Worning, R.E. / Ron Patel, R.E., ENG. manager

Thomas Nogaj, PhD, PE; Project Manager
and Florida Practice Leader, Wastewater


Print Name and Title

Print Name and Title

Signature

 
12/08/2023

Signature



CHANGE ORDER

PROJECT: Airport WRF P3 Amendment 1 Post Design Services Contract # 18-R00015
 OWNER: Hernando County Utilities Dept. P.O.# 23000819
 15365 Cortez Blvd
 Brooksville, FL 34613

CHANGE ORDER NUMBER:
 DATE: 12/5/2023
 CONTRACT DATE: 5/12/2020

CONTRACTOR

The Contract is changed as follows:

ADDITIONS AND DELETIONS

DESCRIPTION OF WORK	LINE ITEM	UNIT	QUANTITY	SCHEDULED UNIT VALUE	TOTAL DEDUCTED VALUE	TOTAL ADDED VALUE
ADDITIONS						
Permit renewal	NA	1		\$51,300.00		\$51,300.00
DEDUCTIONS						
N/A						
TOTAL DEDUCTIONS AND ADDITIONS					0.00	51,300.00
NET CHANGE TO CONTRACT						51,300.00

Not valid until signed by the Owner, and Contractor

The original Contract Sum was _____
 Net change by previously authorized Change Orders _____
 The Contract Sum prior to this Change Order was 227,690.57
 The Contract Sum will be Increased 51,300.00
 The Total Contract Amount 278,990.57
 The Contract Time will be increased by: 0 days
 The date of Substantial Completion as of the date of this Change Order therefore is _____
 The date of Final Completion as of the date of this Change Order therefore is _____

NOTE: This summary does not reflect changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive.

Jan L King 12/11/23
 Hernando County Utilities Dept.
 15365 Cortez Blvd
 Brooksville, FL 34613

By _____
 Date: _____

By _____
 Date: _____

- Prices have been determined to be fair and reasonable based on prices submitted with the Bid.
- Prices have been determined to be fair and reasonable based on negotiations with the contractor and the attached supporting documentation