ENGINEERING DEPARTMENT

ADDENDUM TO THE REQUEST FOR QUOTE

for the

Juneau Douglas Wastewater Treatment Plant (JDWWTP)
Heat Exchanger Repair

RFQ No. E11-179

ADDENDUM NO.: **ONE**

CURRENT QUOTE DUE DATE:
December 17, 2010
2:00 p.m. Local Time

PREVIOUS ADDENDA: **NONE**

ISSUED BY:

City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

PREVIOUS BID DATE
December 10, 2010
2:00 p.m. Local Time

DATE ADDENDUM ISSUED: **December 8, 2010**

The following items of the Request for Quote are modified as herein indicated. All other items remain the same. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at: http://www.juneau.org/engineering_ftp/contracts/Contracts.php

Item No. 1 QUOTES DUE DATE. ***Change*** bid date ***from*** December 10, 2010, ***to*** December 17, 2010. Time remains the same.

Item No. 2 QUOTE COVER PAGE. ***Delete*** in its entirety and ***replace*** with the attached Quote Cover Page, labeled Addendum No. 1.

Item No. 2 SCOPE OF WORK. ***Delete*** in its entirety and ***replace*** with the following:

"**SCOPE OF WORK.** The Contractor shall provide all labor, equipment, materials and perform all Work for weld and related repairs to the heat exchanger unit on the City & Borough of Juneau's (CBJ's) fluidized bed bio-solids incinerator located at the JDWWTP in Juneau, Alaska. The heat exchanger unit is approximately six years old and repairs are needed at the upper and lower tube sheet connections of 48 heat exchange tubes.

The existing heat exchanger unit was manufactured by Hamon USA and installed in 2004. See Attachment "A" Design Drawings and Attachment "B" Project Photos. The vertical heat exchange tubes are 2" NPS Sch#10 SB-729S, Alloy 20 steel, 22'-0" overall length. The upper end of each tube is seal welded to the upper 1 ¼" thick alloy tube sheet. The lower end of each tube is welded to a tube expansion joint which is welded to the lower tube sheet. The tubes are leaking at their top and bottom connections and require the following repairs:

Upper End Tube Repairs: Repairs to the upper tube joints will include re-welding of the tube seal joints connecting each tube to the upper tube sheet. Some of the existing tubes have dropped out of location and will need to be jacked back into

position prior to re-welding. These repairs will require utilizing TIG welding equipment and ERNiCr-3 TIG welding rod. See Attachment "C" Welding Specification.

Lower End Tube Repairs: Repairs to the lower tube joints will require:

- The installation of an approximately 3/16" SS ring welded to the bottom end of each tube and to the bottom end of each existing tube bellows, and
- Inspection and repair, if needed, of each existing seal weld between the existing tube sheet bellows and lower tube sheet and the existing weld connecting the bottom of each tube to its tube sheet bellows unit.

See Attachment "D" Detail – Lower Tube Sheet Repair. These repairs will require overhead welding using TIG welding equipment and ERNiCr-3 TIG welding rod. See Attachment "C" Welding Specification.

All new and existing welds noted above shall be inspected in accordance with the following American Welding Society codes, or equivalent procedures approved by the Owner:

- American Welding Society, Structural Welding Code AWS D1.1/D1.1 M:2008, *Part D, NDT Procedures*, section 6.14 Procedures, and
- ASTM International Designation: E 165 – 09, Standard Practice for Liquid Penetrant Examination for General Industry.

All welding will require careful application by professional welders certified for TIG welding in accordance with the welding specification. Welding Process (Type's) can be either (1) GTAW - TIG/ Manual or (2) GMAW – MIG/Semiautomatic. The Contractor will use dye penetrant testing all the weld joints to locate cracks and submit a report certifying weld integrity at the completion of the repair work.

The welding repairs will require confined space entry and the Contractor price for the work shall include confined space entry procedures in accordance with local, state, and federal laws."

By: _____
Jennifer Mannix, Contract Administrator

Date: 12/8/10

Total number of pages contained within this Addendum: ~~3~~ 4

THE CITY AND BOROUGH OF JUNEAU	REQUEST FOR QUOTE
CBJ Engineering Department - Contracts Division 155 South Seward Street Juneau, Alaska 99801 Telephone: (907) 586-0490 Facsimile: (907) 586-4530	Number: **RFQ E11-179** This number must appear on all related correspondence Date: 03-Dec-10

Quotes Are Due Prior To:	Department	Division
2:00 pm 17-Dec-10	Engineering	Contracts

Project Name **Juneau Douglas Wastewater Treatment Plant Heat Exchanger Repair**

Addendum No. 1

1. **BIDDER NAME AND MAILING ADDRESS:**

_____

_____

_____

2. **BIDDER CONTACT INFORMATION:**

Fax No: _____

Telephone No: _____

Contact Name: _____

3. The Contractor shall provide all labor, equipment, materials and perform all Work for weld and related repairs to the heat exchanger unit on the City & Borough of Juneau's (CBJ's) fluidized bed bio-solids incinerator located at the JDWWTP in Juneau, Alaska. The heat exchanger unit is approximately six years old and repairs are needed at the upper and lower tube sheet connections of 48 heat exchange tubes. All work shall be in accordance with the RFQ documents.

LUMP SUM $_____

4. Addenda Received

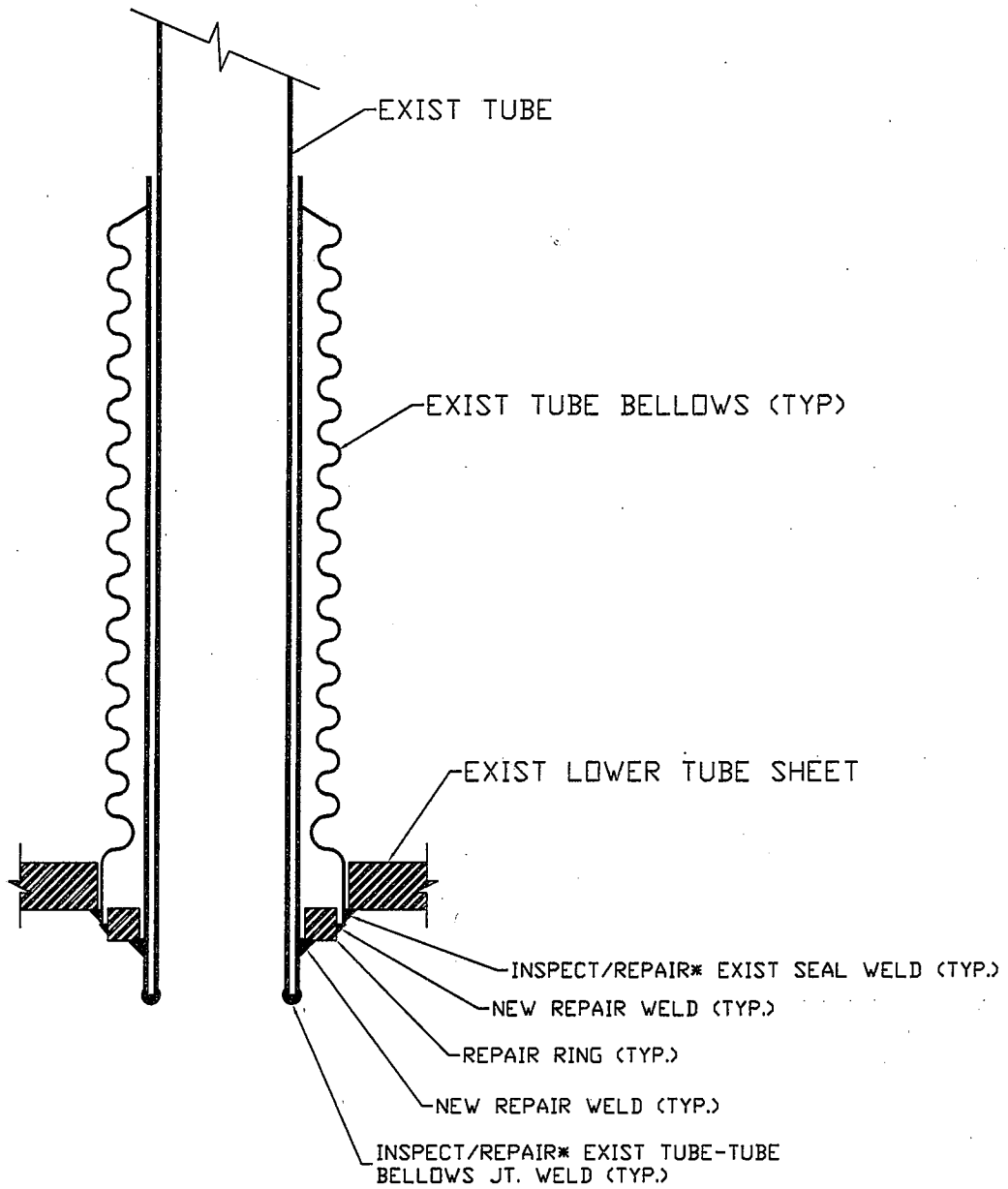
Bidder has examined the bid documents, including the following addenda (receipt of all of which is hereby acknowleged by the undersigned). Give number and date of each addenda. Failure to acknowlege receipt of all addenda may cause the quote to be non-responsive and may cause its rejection. If there are no addenda, "none" or "0" must be filled out.

Addenda No.	Date Issued

5.	6. Title	7. Alaska Contractor's and Business License No.'s	8. Date
_____ Bidder's Signature _____ Please Print Name			

NOTE: Bidder must complete Items 1 through 8.

Return this form and all required data via fax or deliver to the CBJ Engineering Department, Contracts Division - 3rd Floor Marine View Center



NOTE: * INDICATES REPAIR WELD IF INDICATED NECESSARY BY LIQUID PENETRANT TESTING

DETAIL-LOWER TUBE SHEET REPAIR (NOT TO SCALE)