

March 13, 2019
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA
INVITATION FOR BID (IFB) Y19-105-AH; ADDENDUM NO. 2

LIQUID POLYMER FOR SOUTH WATER RECLAMATION FACILITIES

This addendum applies to bidders that submitted a timely request for Bench and Full Scale Testing.

This Addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions, and/or revisions to and shall take precedence over the original documents. Additions are indicated by underlining and deletions via ~~strikethrough~~.

A. The Bid Opening Date remains Tuesday, April 9, 2019 at 2:00PM.

B. Clarifications concerning full scale testing:

- a. Product for the Full Scale Testing may be delivered to the attention of Chris Fasnacht or John Haak at 4760 Sand Lake Road, Orlando, Florida 32819.
- b. The eight-hour trial period is a guideline and will allow adjustment periods.

Please refer to Addendum No. 1, Attachment A – Jar Testing Criteria, Section No. 3, Full Scale Testing in the Field, Item F, The Bidder shall ask the County representative to make any adjustments. The County will follow uniform procedure for making any adjustments.

- c. The initial adjustment period will vary depending on various factors, such as the solid concentration conditions on the day of testing and the aging period of the proposed polymer. This period should not take any more than 25 – 30 minutes from the time the polymer is introduced into the system.
- d. When settings are changed for the GBT and BFP full-scale testing in the field, such change shall be simultaneous with the flow change otherwise the product will not thicken or dewater and product will be lost.
- e. Settings at the 250gpm, 350gpm and 450gpm will be run as long as needed to obtain a consistent product that can be tested to meet the specifications.

Please refer to Addendum No. 1, Attachment A – Jar Testing Criteria, Section No. 3, Full Scale Testing in the Field, Item G, During each full scale

test run, after the adjustment period, the County will obtain hourly samples from the sludge feed, thickened or dewatered sludge cake, and liquid side stream flows to be analyzed in the County's Lab for solids concentration. The numbers from each sample location will be totaled and averaged and the average data point will be used to evaluate the performance of each test run. Samples shall be collected after optimum cake concentrations are achieved.

- f. The polymer feed system is a batch system, currently, the County has two holding tanks which hold the bulk liquid polymer. On the day of full scale testing, one of the two tanks will be available for the Bidder's use. The delivery method, i.e., 5 gallon pails or drums, is up to the Bidder's discretion.
- g. The Bidder will be overseeing both the GBT and BFP processes. These can be run simultaneously or one after the other.

C. ACKNOWLEDGEMENT OF ADDENDA

- a. The bidder shall acknowledge receipt of this addendum by completing that applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned no later than the date and time for receipt of the bid.
- b. All other terms and conditions of the IFB remain the same.
- c. Receipt acknowledge by:

Authorized Signature

Date

Title

Name of Firm