

February 20, 2020
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA

**INVITATION FOR BIDS (IFB) #Y20-170-SW,
RENTAL OF PUMP STATION CORROSION AND ODOR CONTROL EQUIPMENT AND
MAINTENANCE SERVICES, ADDENDUM NO. 4**

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 is changed from ~~Tuesday, February 25, 2020~~ to Thursday, February 27, 2020 at 2:00PM.

B. Page 36, Section 3 Specifications / Scope of Services, II. General Requirements, A. Calcium Nitrate, 5., is changed as follows:

The Contractor shall provide data collection to include, but is not limited to, acidity pH, ~~Dissolved Oxygen, Dissolved H₂S (concentration and removal)~~ and temperature according to the application of treatment. The Contractor shall provide a report of each location. Test result shall be supplied to the County representative for analysis and approval before any treatment adjustment.

C. Page 44A, Section 3 Specifications / Scope of Services, Attachment B, Vapor Phase Treatment County Owned Equipment Maintenance Locations is replaced in its entirety with the attached Attachment B, Vapor Phase Treatment County Owned Equipment Maintenance Locations Page 44B.

D. Questions and Answers

1. **Question:** Page 44A, Attachment B: Table states "Pump Station 3190 Orange Ave shows air flow as 922cfm" The correct CFM should be 1,729CFM.

Answer: Pump Station 3190 has two Dual P600 Envirogen units with a design CFM of 2,500. The blower unit has a VDF set at 50% of the CFM. Refer to paragraph C above.

2. **Question:** Page 44A, Attachment B: Table states "Pump Station 3498 Orange Wood east shows air flow as 663cfm" The correct CFM should be 1,326CFM

Answer: Pump Station 3498 has two Dual Bio-way ZC200-2 units with a design CFM of 4,000. The blower unit has a VDF set at 50% of the CFM. Refer to paragraph C above.

3. **Question:** Paragraph B in the #2 addendum states dissolved oxygen is one of the required test. Dissolved oxygen is not a test that is performed out in the collection system as part of a collection system odor control treatment program. Dissolved oxygen is normally tested at wastewater treatment plants as part of the treatment process. We recommend dissolved oxygen testing be removed.

Answer: Refer to paragraph B above.

4. **Question:** Question 16 you state that the contractor will be reasonable for labor cost to replace media in County owned bio filters as part of the monthly service price. Since the contractor or the county has no idea when this media will need to be replaced, the county will be paying additional cost each month for media change out labor that may not occur for several years. We recommend this labor/service be quoted when media changeout is actually needed on county owned systems based on labor rates in bid.

Answer: No change to requirements as specified in Addendum No. 2 as the cost for media is included in the required maintenance.

E. 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

ATTACHMENT B

VAPOR PHASE TREATMENT COUNTY OWNED EQUIPMENT MAINTENANCE LOCATIONS

Pump Station	Name	Address	Design HS Concentration (2)	Design Air Flow (3)
3177	PRESIDENTS DRIVE	7612 Presidents Drive Orlando FL 32809	90	1041
3190	ORANGE AVENUE	8068 South Orange Avenue Orlando FL 32809	60	922 2,500
3498	ORANGE WOOD EAST	3104 West Taft Vineland Road Orlando FL 32837	105	663 <u>4,000</u>

(1)GPD = 2.63 ml/min

(2) ppmv - parts per million volume

(3) CFM - Cubic Feet Per Minute