

SECTION 11070

CONTRACTOR INSTALLATION OF OWNER-FURNISHED EQUIPMENT

PART 1 -- GENERAL

1.01 WORK INCLUDED

A. The Contractor shall provide all labor, materials and equipment necessary to load, transport, unload, install, adjust, start-up, test, and place into satisfactory operation the Owner-furnished waste gas burner equipment specified herein. The equipment shall be installed at the location indicated on the Drawings. All items shall be stored, installed and tested in strict accordance with the equipment manufacturer's installation drawings, instructions, and recommendations.

B. Waste gas burner equipment furnished by the Owner includes the following supplied by Varec Biogas:

One (1) Model 244E Enclosed Flare, P/N SPC.244ELE19320137RP, 30,000 SCFH, L Type Low Pressure Pilot Ignition System, 120V/60 HZ.

One (1) Model 440 Pressure Relief and Flame Trap Assembly, P/N 440.10.2.1.S.2, 10".

Two (2) Model 246 Low Pressure Manual Drip Traps, P/N 2466, 6 quarts.

One (1) Model 5200 Flame Check, P/N 520042, 1".

One (1) Model 5200 Flame Check, P/N 520022, 1/2".

One (1) Insulating Jacket for Flare Manifold.

One (1) Insulating Jacket for 10" Model 440, P/N VB05.1185.205.

One (1) Insulating Jacket for Model 2466, P/N VB05.1185.247.

One (1) Lot of Spare Parts.

C. Two (2) sets of shop drawings, product data, and samples specific to the equipment being furnished will be provided by the Owner to the Contractor after the Notice-to-Proceed.

D. Upon receipt of the submittal package from the Owner, the Contractor shall review shop drawings, product data, and samples for completeness and notify Engineer of any discrepancies and/or anticipated problems in use of the equipment.

1.02 SCHEDULING, DELIVERY, HANDLING, AND INSTALLATION OF THE EQUIPMENT

A. The waste gas burner and ancillary equipment is stored out of state.

B. Contractor shall be responsible for coordinating delivery of all equipment items through the Owner.

- C. Contractor shall be responsible for all costs associated with unloading, storing, and installing the waste gas burner and its ancillary equipment at the Lower Reedy WRRF project site. The Owner shall be responsible for all costs associated with transporting the equipment to the Lower Reedy WRRF project site. Upon delivery to the project site, the Contractor will be responsible for providing a crane to unload the equipment at the existing Digester area.
- D. Upon delivery of equipment, Owner, Engineer and Contractor will inspect delivered items for damage. If Owner-furnished items are damaged, defective, or missing, Owner will arrange for replacement. Following delivery inspection(s), Contractor shall be responsible for protecting Owner-furnished equipment from damage during storage and handling, including damage from exposure to the elements. If Owner-furnished items are damaged during this time frame, then the Contractor shall replace damaged items at no cost to the Owner.
- E. Contractor shall be made aware of the timeline for installing the waste gas burner equipment as stipulated in Section 01520 (Maintenance of Utility Operations During Construction).

## PART 2 -- EQUIPMENT

### 2.01 GENERAL

- A. The Contractor shall furnish and install all equipment and materials required for the interface with the Owner-furnished equipment including concrete pads, process piping, conduit, wire, etc.

## PART 3 -- EXECUTION

### 3.01 GENERAL

- A. The Contractor shall unload, move, lift, assemble and install all Owner-furnished equipment in strict accordance with recommendations of the equipment manufacturers.
- B. Installation of equipment shall be performed in the presence of qualified, technical representatives of the manufacturers who, upon completion of installation, shall test and certify to the Owner that all equipment has been installed in accordance with the manufacturer's recommendations.
- C. Refer to Section 11486 for additional installation requirements by Contractor.

- END OF SECTION -