

Public Notice of Proposed Award of Sole Source Procurement

Section A – Description of Proposed Sole Source Procurement

Description of Supplies/Services: Pole Bridge Advanced Wastewater Treatment Plant (AWTP) needs two (2) new sludge dewatering screw press unit packages including the installation of the unit packages, piping and electrical work. The new screw press(es) will process aerobically digested waste activated sludge (WAS) at the facility. Two screw press units shall have the ability to process the sludge flow rate at 260 gallons per minute based on 8hrs/day and 5 days/week at 66% of full capacity with the sludge concentration variance from 1% to 4%.

Each unit package of sludge dewatering screw press shall consist of the following component as the minimum: screw press(es), two-stage flocculation tanks with mixers, gear motor and mixing impeller, polymer dilution system and tank, polymer feed pump (s), sludge feed pump (s), inline mixer, spray washing system, valve (s), piping, filtrate collection pan, self-contained electrical control panel, on-board PLC, Total Solid analysers, magnetic flow meter, conveyor system to convey dewatered sludge from the screw press (es) to the drop off point in the hauling truck and all appurtenances. Electrical, instrumentation and control, civil works and piping, will also be part of the scope.

The Pole Bridge AWTP has several physical restrictions which includes equipment performance, space and power supply restrictions, water consumption, maintenance requirements, and equipment accessibility. These physical restrictions limit the facility to the Volute™ Dewatering Press, Process Wastewater Technologies, LLC, (PWTech)® Model ES-354. The Volute™ Dewatering Press was invented, patented and trademarked by Amcon, Inc. and licensed to PWTech for exclusive manufacture and sale in the United States.

Requirements of sludge dewatering screw press system are listed below:

- Required two-unit packages in operation and standby must fit into the existing building without modifying the building's structure, without impacting the existing belt press and associated equipment and allowing space for personnel to perform all necessary maintenance. The resulting available space for the screw presses is 963 sq. ft, configured per the attached figure.
- Total full load amperage for the power at 480 volts shall not exceed 200 amperage.
- Total wash water usage shall not exceed 1000 gals based on an 8-hour day.
- Shall be manufactured in USA.
- Spare parts and service technicians shall originate and ship from within the US
- Unit shall generate a cake dryness greater than 17% with a maximum polymer dosage 20 active lbs/ton and a solids capture rate of 93%.

Demonstration of Contractor's Unique Qualifications: PWTech® Model ES-354 sludge dewatering screw press unique characteristics are listed below:

- Two (2) units including the sludge feed pumps, polymer preparation and conveyors can fit into the existing building without modifying the building's structure and without interrupting the operation of the existing dewatering system located in the same building.

- Total full load amperage for the power at 480 volts does not exceed 200 amperage.
- Total wash water usage does not exceed 1000 gals based on an 8-hour day.
- Manufactured in USA.
- Spare parts and service technicians originates and ship from within the US.
- Extensive pilot testing has documented that the unit provides sludge dryness (SD) between 17-20% with the sludge characteristics that exist at the Pole Bridge AWTP.

Section B – To Be Completed by the Department of Purchasing and Contracting

Market Survey Results

Date Public Notice posted on website: May 19, 2020

Date Public Notice closed: June 4, 2020

Review of Offers

Were any offers received (Yes/No): Yes

Number of offers received: 2

Responders:

1. Ishigaki (represented by Southern Water Technologies)
2. Schwing Bioset, Inc.

Purchasing Agent review and recommendation:

The notification was sent out to four (4) manufacturers in addition to posting on the County's website, Oracle and the Georgia Procurement Registry (GPR). Two (2) responses were received.

1. Ishigaki stated they could accomplish the goal that the Department of Watershed Management (DWM) are looking to achieve.
2. Schwing Bioset, Inc is taking exception to the sole source. They stated the following: Our equipment that that their equipment that we offered in our response back in January will fit in the given space. Although you may have piloted with PW Tech smallest piece of equipment they make, we actually have a mobile unit in the size of equipment that we offered, our FSP 1103 machine. Depending on the circumstances, we could offer that machine as a pilot at your plant so that you could actually confirm that the equipment will do exactly what it is expected to do without the doubting of whether the PW Tech machine will scale up and perform to the same results of their piloting that is mentioned in the document.

The Agent recommendation is to not approve the purchase new sludge dewatering screw press unit packages for Pole Bridge (AWTP) until the two (2) manufacturers have been given the opportunity to confirm that their equipment meets DWM's requirements.

Willie Moon

Digitally signed by Willie Moon
DN: cn=Willie Moon, o=DeKalb County Government, ou=Purchasing
and Contracting, email=wmoon@dekalbcountyga.gov, c=US
Date: 2020.06.12 13:04:03 -0400'

Agent Signature

Date

Procurement Manager Signature

Date