



City of Plant City  
Utilities Operations Division  
1500 W. Victoria Street  
Plant City, Florida 33563-3059  
Phone: 813-757-9191

November 3, 2015

The City of Plant City is inviting direct representatives of polymer manufacturers to test their products for dewatering of sludge at the Plant City Water Reclamation Facility. **Only one representative from each manufacturer will be allowed to test their products.** Current known manufacturers are Polydyne, BASF, Kemira and Solenis.

**PHASE 1 – MANUFACTURER REPRESENTATIVE QUALIFICATION**

To qualify for testing a letter from the polymer manufacturer stating the representative is a direct supplier of their product and is approved to conduct product testing, must be submitted to Joe Benjamin, Purchasing Director for verification prior to the scheduling of any jar testing. Qualification letters shall be sent via e-mail to [jbenjamin@plantcitygov.com](mailto:jbenjamin@plantcitygov.com). **The deadline for submitting qualifications for testing is 5:00 PM, November 11, 2015**

**PHASE 2 -- SAMPLE QUALIFICATION:**

Representatives who qualify will be contacted to set up an appointment for bench top jar testing of their products at our facility to select the product you believe will perform the best.

**PHASE 3 -- SAMPLE TESTING:**

The manufacturer's representative shall supply enough of the product they selected from the bench testing to perform up to an 8 hour performance test on our belt press. All cost associated with supplying the product for the belt press performance testing will be the responsibility of the manufacturer / representative.

A date will be set for the belt press testing and only one manufacturer representative may be on site the day of the testing (representative presence the day is testing is not mandatory). The belt press operation will be controlled only by the City's belt press operator. The belt press will be started up and adjustments made to optimize production. We will begin sample collection after approximately one hour of operation and we will collect four individual cake samples throughout the test period. The results of all the cake samples will be averaged. An equivalent number of feed sludge and filtrate samples will also be collected and composited to make one sample of each. All samples will be sent to a contract laboratory for analysis to be used in the bid for calculating the cost effectiveness of the product.

**PHASE 4 – BID PREPARATION AND AWARD**

After all products have been tested, a bid document will be prepared and sent out on Bid Sync and Demand Star. Bid award will be based on price and product performance.

Any questions concerning this invitation shall be sent to Joe Benjamin at the following email address:

Joe Benjamin, Purchasing Manager [jbenjamin@plantcitygov.com](mailto:jbenjamin@plantcitygov.com)

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**Current Belt Press Operation:**

- We are currently using drums. We will consider totes.
- 2013 & 2014 we purchased 56 drums each year.
- Current polymer is Polydyne Clarifloc SE-1030 (Resin Compound NMFC# 46030)
- Current pricing is \$1.10 per pound
- Current usage is 28 # / dry ton