

**OCONEE COUNTY PROCUREMENT OFFICE
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**ADDENDUM NO. 1
ITB 17-03**

**DRILLING SERVICES FOR SENECA LANDFILL –
GROUNDWATER REMEDIATION PILOT STUDY**

OPENING DATE: NOVEMBER 2, 2017 AT 2:00 PM - UNCHANGED

Please include a copy of this Addendum No. 1, signed with your bid.

Question 1: Normally, services are not taxed. Please confirm that you want us to add 6% tax to our bid.

Answer 1: NO sales tax should be included in any bid prices.

Question 2: The work may take longer than 30 days yet the RFP states we need to be done within 30 calendar days. Does that mean that we have to use multiple rigs, or can you extend the completion time from 30 to 60 days?

Answer 2: The engineer estimates that this work can be completed in 30 days from the date the project starts. The awarded Contractor will need to be able to complete work as scheduled and be able to coordinate required work when the Regenesis representatives are on site. Time may be extended based on weather or site conditions.

Question 3: For the 25 monitor wells, are soil samples to be obtained during drilling? And if so, on what interval?

Answer 3: Soil samples will be collected during the advancement of the three soil borings associated with the Design Verification Testing portion of the pilot study. Soil samples will NOT be collected during the installation of the 25 injection wells or advancement of the 25 injection borings.

Question 4: There are 25 injection points to 35 ft/ea (total = 875 ft). Since this effort will depend on injection time, can you revise the bid table from 875 ft of direct push and abandonment to a daily rate? It was stated that it is anticipated to take 6-7 days. In this way if it takes longer to inject, then we can be fairly compensated.

Answer 4: Oconee County would prefer to maintain a per foot rate for boring/well installation and boring abandonment.

Question 5: Are there any historical boring logs available?

Answer 5: See attached.

Question 6: Is there easy access between drilling locations?

Answer 6: Oconee County will prepare the pilot study area prior to commencement of the drilling activities to ensure that all boring locations are easily accessible.

Question 7: Have there been any issues with augers or probes?

Answer 7: The study area primarily consists of saprolitic soils. Historically, wells have been installed in the area to depths of 70 feet using hollow-stem augers (see boring logs); however, due to the variable nature of the subsurface, particularly near the saprolite/bedrock interface, probe or auger refusal is a possibility.

Question 8: Would the County be open to "sonic" drilling?

Answer 8: Yes, include a separate alternate Bid Form with your bid if you would like to provide pricing for sonic drilling.

Question 9: Does the Contractor need to contain the cuttings around the wells?

Answer 9: Vadose zone soil cuttings will be screened to determine the need for containerization. Saturated zone soils will need to be containerized.

Question 10: What de-con tools will be necessary?

Answer 10: Steam-cleaning

Question 11: Is disposal of de-con waters required?

Answer 11: Yes, this will be the responsibility of the Contractor.

Question 12: What is the depth of the ground water?

Answer 12: Approximately 15 – 20 feet.

Question 13: Is there potable water on site for de-con purposes and for mixing grout?

Answer 13: Yes, water is available.

Question 14: For the Regenesis injections, are there any particular screen requests?

Answer 14: The injection wells will be constructed of schedule 80 PVC with 0.02-inch slots.

Question 15: What type of tooling is needed for boring injections?

Answer 15: We have contacted Regenesis for more information. This will be provided in Addendum 2 which will be issued after the question deadline of October 24 at 2:00pm.

Question 16: Are there any underground utilities on site?

Answer 16: A sewer line, which is visible and not located directly within the pilot study area, is present in the area. Overhead electrical lines are also present in the area, but all drilling activities will be conducted a safe distance from the lines.

Question 17: What happens if rock is encountered prior to 60 feet?

Answer 17: Competent bedrock is not expected to be encountered prior to 60 feet; however, if rock is encountered efforts to reach 60 feet must be made. A change in drilling method (mud-rotary, air-rotary, sonic) may be necessary.

Question 18: Will 60 feet be the maximum drilling depth required?

Answer 18: 60 feet will be the maximum depth drilled during the pilot study.

Question 19: Define how close together is "immediately adjacent".

Answer 19: Injection borings shall be installed as close to their associated injection wells as possible without damaging the well or protective pad/casing.

Question 20: Will there be adequate time for grout to dry before work continues?

Answer 20: Yes.

Question 21: If it looks like a skid steer would be needed for any clearing issues or movement of drums, will that be provided?

Answer 21: No additional equipment will be provided by the County. Contractor will be responsible for providing any equipment necessary to perform the work.

Question 22: Will there be a staging area and can Contractor's equipment be left on site overnight?

Answer 22: Yes and yes.

Question 23: How deep are the existing wells in Figure 3?

Answer 23: The wells range in depth from 19.42 feet below ground surface (MW-20) to 117.90 feet below ground surface (MW-3D3).

Question 24: Does the Contractor need to provide soil sampling during the installation of the monitoring well?

Answer 24: No, soil sampling will only be conducted during the Design Verification Testing portion of the pilot study.

Question 25: What working hours will be allowed?

Answer 25: Working hours will be daylight to dark, Monday through Friday.

Question 26: Will there be a break between well installation and DPT injections?

Answer 26: This will depend on the scheduling with Regenesis.

Question 27: Can the County provide a copy of the well log for the 100 ft. well?

Answer 27: See the attached well logs.

Question 28: What will be the clearance needed for the power lines on site?

Answer 28: Minimum of 10 feet.

Question 29: What about the dry soil above the PID?

Answer 29: Vadose zone soils will be screened to determine if they may be spread on site, or if they must be containerized.

END ADDENDUM NO. 1

Dated: October 20, 2017

Please acknowledge receipt of Addendum by signing and attaching to your bid.

BY: _____ DATE: _____
(Contractor)

(Signature) (Title of Signing Officer)