



OFFICE OF WILL COUNTY EXECUTIVE LAWRENCE M. WALSH

Will County Office Building – 302 N Chicago Street – Joliet, Illinois 60432

Kevin Lynn
Purchasing Director

(815) 740-4712

(815) 740-4604

klynn@willcountyllinois.com

2020-60 – Prairie View Landfill Gas Upgrading System EPC Addendum #3 – December 20, 2019

Please note:

A teaming commitment between the Owner and Engineering, Procurement and Construction Contractor (EPC Contractor) is required during all project phases. Overall, the EPC Contractor shall be responsible for developing and maintaining the project schedule, budget, and quality management plan throughout pre-construction, construction and post-construction. Other expectations, duties, responsibilities and requirements that may occur as a result of responses to this solicitation will be further articulated by the County of Will during contract negotiations

Please proceed with the assumption that the raw/inlet gas would be diverted to the existing flares but the selected bidder would be responsible for a flare to handle any off-spec RNG (90%+ methane).

Under Section 7, Scope, page 24, please note regarding submittal of plan and schedule to complete USEPA/IEPA permitting: The plan and schedule shall be submitted to the County within 60 days of contract execution. Time is of the essence to submit all necessary permit applications. NOTE: This is also provided in answer #5.

We received the following questions regarding this RFP:

Question #1 Thank you for hosting the meeting this morning, it was very helpful. I would like to get a copy of the attendance sheet if possible. I would also like copies of PNIDs and site plans, preferably in native format. Please let me know if those will be available.

Answer #1: Please see the attached attendance sheet, drawings for the landfill gas system, flares and connection to the gas to energy plant.

Question #2: I understand that the EPC Contractor will be responsible for the design and costs associated with a new electrical power service for the new plant. Can the County provide the electric utility contact for the site?

Answer #2: NOTE: The County is of the understanding that there should be sufficient power onsite. The current electric utility contact # for the Prairie View Landfill Gas plant for ComEd (Utility) is 815-463-2570 and tell them "Site ID ESSJ104". They don't really have a specific name.

Question #3: Given the fact that the new plant must interface with the gas collection system which also serves the flares and electrical generation plant, is there a maximum negative suction pressure with the new plant must be designed to meet?

Answer #3: Not currently. That will need to be coordinated once the EPC is determined.

Question #4: Will the successful bidder be required to locate the RNG Plant so that it does not interfere with or affect existing landfill infrastructure or operations?

Answer #4: Yes. For example, the RNG Plant will be located to allow traffic to and from the landfill and may require relocation of the gas pump.

Question #5: Will the successful bidder be responsible for obtaining all required permits and paying all costs of such permits going forward?

Answer #5: Yes. Most, if not all, of the permitting will occur after the preliminary design work and can be discussed and agreed upon prior to execution of the construction agreement. Under Section 7, Scope, page 24, please note regarding submittal of plan and schedule to complete USEPA/IEPA permitting: The plan and schedule shall be submitted to the County within 60 days of contract execution. Time is of the essence to submit all necessary permit applications.

Question #6: What facility safety requirements will the successful bidder be required to comply with?

Answer #6: Any and all OSHA, ADA and any other applicable federal, state or local requirements. As an example, please see the attached current Health & Safety Plan for the Gas to Energy Plant.

Question #7: What requirements will the successful bidder have to indemnify and hold harmless the landfill operator for any loss, liability or cost resulting from bidder negligence or intentional acts?

Answer #7: The current liability insurance requirements are included in the RFP. Once the EPC is selected, liability insurance requirements will be part of the building and 1st year operating phase.

Question #8: If the RNG plant shuts down, what systems are required to be in place to prevent noncompliance with existing land and air permits?

Answer #8: The landfill operator would be responsible for providing enough flare capacity for the maximum landfill gas to be flared that is generated from the landfill. The OFFERER should include utility flaring in the RNG plant design capable of processing any off spec renewable natural gas which cannot be processed for pipeline injection. The successful bidder will be responsible for flare/thermal oxidizer for RNG that doesn't meet pipeline specification.

Question #9: What range of variation for methane, nitrogen and oxygen should the RNG plant be designed for over the life of the landfill?

Answer #9: This information has been provided in the RFP. Additional gas information is also being provided as part of this Addendum. Should additional gas information be necessary, arrangements can be made with the selected EPC to obtain additional gas information.

Question #10: Who will be responsible for any expense, cost or liability related to the dismantling or decommissioning of the RNG plant?

Answer #10: The County will be responsible for this expense.

Question #11: What are the requirements for notifying the landfill operator of any malfunction or shutdown of the RNG plant?

Answer #11: Communication with the landfill operator will be a significant part of any agreement that is signed. If a requirement needs to be specified, communication on what gas the plant is

accepting from the landfill needs to be synched up through controls, alarms, etc. to operators from the Landfill, Gas to Energy Plant and the RNG Plant.

Question #12: What systems are required to be in place to prevent competing gas flows between the existing plant and the RNG Plant?

Answer #12: None at the moment. Those will need to be coordinated between the Gas to Energy Plant and the chosen EPC/future RNG Plant operator.

This portion of the Addendum is issued to modify, explain or clarify the original Request for Proposal (RFP) and is hereby made a part of the RFP. **Bidders must acknowledge all addenda on the bid form.**

PLEASE MAKE THE FOLLOWING CHANGES:

1. Pipeline Injection Update

Nicor has responded and determined that the Nicor pipeline does not have the capacity to accept the RNG produced from the landfill. MGT is the sole pipeline in the area of the landfill that is willing to accept RNG and has the capacity to do so.

2. Gas Quality Information

Landfill Gas Quality – Enclosure A

Attached with this addendum are the monthly ranges of CH₄, N₂, and O₂ in the landfill gas from January 2019 to October 2019.

Total Sulfur Test Results

On September 17, 2019, a test resulted in a total sulfur content of **250 ppm**.

Hydrogen Sulfide Test and Laboratory Results – Enclosure B

On September 17, 2019, a test resulted in a hydrogen sulfide content of **230 ppm**.

An additional landfill gas sample was taken and sent to a laboratory on December 4, 2019. The results from that test showed a hydrogen sulfide content of **400 ppm**. The full results are attached in Enclosure B.

Siloxane Gas Laboratory Results – Enclosure B

Will County did additional testing to determine the Siloxane concentrations in the landfill gas. Two samples were taken December 4, 2019 and sent to a laboratory. The first sample had a total silicon content of 10,000 µg/m³ and the second sample had a total silicon content of 14,000 µg/m³. The full results from the Siloxane tests are included in Enclosure B.