

## FY25-013 Biosolids Removal Site Visit and Emailed Q&A

- 1) Is this being land applied or is it going to a landfill?
  - a) The means and methods for disposal of the Biosolids are up to the contractor, as long as they follow and are within State and Federal regulations.
- 2) What is the % solids?
  - a) Typically, the Biosolids range between 2.5%-3.5% solids with 3.26% being the average for 2024.
- 3) Does the City have their own permit for the land application?
  - a) The City DOES NOT have land permitted for the land application of Biosolids. Permitting land for the application of Biosolids is the responsibility of the Contractor.
- 4) Do you had it sample recently?
  - a) Most recent lab results are from the 2024 project.
- 5) Have you had any T-Norm in it?
  - a) Not at actionable levels.
- 6) Is it putrescent? Is it fully decomposed or is it still releasing methane?
  - a) It is not fully decomposed and is still digesting.
- 7) Who was the previous contractor?
  - a) Denali Water Solutions has completed this annual project the last 3 years.
- 8) Did they belt press the biosolids?
  - a) No, they liquid haul, then land apply the Biosolids.
- 9) Can you share the lab analysis from last year?
  - a) We can share last years lab results with the addendum. Historically the Biosolids have met the criteria for Class B and land application.
- 10) What analytical is typically required to be run for disposal?
  - a) It depends on the Contractor's selected method of disposal. If land applying for beneficial reuse, then all requirements from 40 CFR Part 503, which includes Metals, Nutrients, and Pathogens. Additionally, a method to prove Vector Attraction Reduction, which can either be lab proven or the method of application. If the biosolids are to be landfilled, then the Contractor will need to meet the selected Landfills requirements.
- 11) Can you provide a copy of the biosolids past analytical results from last year?
  - a) See above
- 12) Have the results typically been similar year after year?
  - a) Yes
- 13) Is there a bid bond requirement?
  - a) No

- 14) Is there a clean copy of the bid documents?
- a) A PDF will be uploaded with this addendum. Additionally, under review, you can change from “all markup” to “no markup” and it will make it easier to read.
- 15) Is the job by the Dry Ton or Lump Sum?
- a) The job is by the Dry Ton. Mobilization is lump sum
- 16) Is it a 3-year contract with a potential for a 4<sup>th</sup> year?
- a) It is a 1 year contract with the option to renew the contract up to 5 times.
- 17) Is the Land that has historically been used for the land application of Biosolids local?
- a) Yes, for the most part all in Weld County.
- 18) Have you check the depth of the biosolids in the lagoons.
- a) Not recently, but historically there has been 3 feet of decant water and 5 feet for sludge.
- 19) So the 350 Dry Ton estimate is from historical data, have you seen it fluctuate year after year?
- a) Yes, the estimate is based on historical data and is provided not for lump sum bidding purposes, but to provide the contractor an idea of rough order magnitude for the project when bidding. We have not seen the volume fluctuate much during a normal year, all larger fluctuations have been caused by differences in contractor’s abilities and ice stopping the project before it is completed.
- 20) Have you ever had someone use a crawler?
- a) We have had mixing boats, electric dredges and PTO stick pumps used in the past.
- 21) Are you going to allow Mixing Boats?
- a) We would prefer to not have mixing boats in the lagoons, they are what have caused damage to the liner in the past.
- 22) What was used last year to mix the biosolids in the lagoon for liquid removal?
- a) One PTO stick pump to load out and another PTO stick pump to slurry and push biosolids to the load out pump.
- 23) Are you shutting the lagoons down?
- a) The lagoons are still in active service. We can take 1 lagoon offline at a time for biosolids removal, but it can only remain offline for a maximum of 60 days.
- 24) Did you want the first one done in October?
- a) The project can start any time after contracting but needs to be completed by 12/31/2025. The Evans Ditch which is adjacent to the lagoons runs until 10/15 and can influence the ground water in the area, which can impact the HDPE liner when doing complete liquid removal.
- 25) Is there another access point other than going through the plant proper?
- a) Yes, there is an access gate at the West in of the property and can accommodate semi traffic.

26) Do we get a hydrant meter through you or go through another entity?

- a) To get a hydrant meter you will need to go through City Hall and the Water Division. There is a refundable meter deposit that will be required, but historically we have not charge usage fees for City projects.

27) How long did the project take last year?

- a) Approximately 45 calendar days.

28) Can you share the method that was used to remove the biosolids last year?

- a) Liquid removal using PTO stick pumps loading tankers.

29) Have you had a lot of interest in the project?

- a) We have had 4 site visits and a hand full of written questions.