



April 12, 2023

Mr. Mike Engelmann, PE
Senior Engineer
Pinellas County Engineering & Environmental Services
14 S. Ft. Harrison Avenue
Clearwater, FL 33756

Mr. Gunner Mitchel
Engineer
Pinellas County Engineering & Environmental Services
14 S Fort Harrison Ave.
Clearwater, FL 33756

**Re: Pinellas County Project 3361A, Dust Hazard Analysis.
Phases 2-4: Equipment Purchase, Installation, and Interim Solids Management,
Revision and Clarification**

Dear Mike and Gunner:

As you might expect, since our November 2022 updated proposal to the County for this project, our contractors' prices for equipment and labor have escalated. Based on current proposals from Andritz and our other suppliers, Table 1 below presents our revised Not-to-Exceed cost for Material, Freight, and Installation of the proposed modifications.

Please note, while we are hopeful the County will accept and authorize this proposal as quickly as possible. Andritz's pricing includes a contingency necessary for them to hold their prices valid through July 30, 2023. Synagro's contingency, overhead, and mark-up are only applied to the Materials, Installation, and Freight total.

The spare parts recommended by Andritz are the "bottles" that contain the fire suppressant, and which are provided by CV Technology of Jupiter, FL (see Table 2, below). In our discussions with CV, they advised that these bottles have a shelf life of 10 years and that they are stock items and are usually quickly available. We believe it would be prudent to have these spares on hand so that the drying facility can be returned to service as quickly as possible after an outage; however, we leave the choice to pre-purchase these items to the County's discretion.

Andritz will be on-site during the installation to oversee the commissioning which includes a representative of CV Technology inspecting and verifying that the safety equipment has been installed properly. CV Technology and Rocha will perform an IO checkout to their controller and an IO checkout from their control to the SCADA system. CV and Rocha will also check all interlocks and perform multi-function checks for active and service modes and fault modes, along with functional tests with the SCADA, all under Andritz's supervision.

Table 1.

| Activity | Pricing |
|---|-----------------------|
| Not-to-Exceed Cost | |
| Materials | \$182,743.00 |
| Freight | \$10,000.00 |
| Installation | \$560,525.00 |
| Materials, Installation, and Freight Total | \$753,268.00 |
| Andritz Contingency | \$112,990.20 |
| Synagro Contingency @10% | \$75,326.80 |
| Overhead @ 8% | \$60,261.44 |
| Mark-up @7%* | \$52,728.76 |
| Not-to-Exceed Total | \$1,054,575.20 |
| Variable Costs | |
| Allocation for T&D @\$105/ton** | \$268,800.00 |
| Spare Parts | \$66,984.00 |
| Budget total | \$1,390,359.20 |

*-Although this is a County Capital Project in accordance with Section 8.03 of the Service Agreement, Sludge Dryer Project and therefore not subject to Cost Substantiation, we have limited our Mark-Up to 7%.

**-for purposes of the estimate, we have projected four weeks of T&D at 640 wet tons per week.

Table 2.

| Project Spare Parts | | |
|----------------------------|-------------------------------|--------------------|
| qty | Description | Part Number |
| 2 | 50L Bottle, 4" NOZZLE | 129999990 |
| 2 | 20L Bottlle, 3" NOZZLE | 129999990 |
| 4 | 50L Nozzle Kit | 133393759 |
| 2 | 5L Bottle, 120bar | 132877583 |
| 2 | 5L Nozzle Kit | 132877588 |
| 1 | LumEx | 132154083 |
| 1 | DetEx | 133397061 |

CV Technology's representative will conduct training to include guidance on how to service the safety system and how to lock it out/disable the suppression system separately to be able to service the DDS System safely and monitor normal operations.

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Andritz will provide mechanical documentation as required. Rocha will provide electrical drawings for their scope and Andritz will of course check their work.

As always, please let us know if you have any questions or comments on this proposal or if you need further details.

Sincerely,

William Reyes
Plant Manager

Cc: Matt Busch, Pam Racey