



Agenda Date: 11/4/2020

Agenda Placement: 8B

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors

FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer

REPORT BY: Matthew Lemmon, Senior Civil Engineer - 707-258-6004

SUBJECT: Accept Completion of the Pond Biosolids Removal and Reuse Project (CIP 13745)

RECOMMENDATION

Adopt Resolution accepting completion and authorizing General Manager to file the Notice of Completion at the Office of the Recorder, Napa County, California for the Pond Biosolids Removal and Reuse Project (CIP 13745).

EXECUTIVE SUMMARY

On March 3, 2020 NapaSan entered into a contract with Clean Harbors Environmental Services to furnish all labor, materials, equipment, and services to complete the Pond Biosolids Removal and Reuse Project (CIP 13745). On October 27, 2020 the General Manager submitted his Certificate of Completion to the Board Secretary certifying that the project was completed to his satisfaction. NapaSan is currently holding \$100,000 (5%) as retention on this project. The full retention amount will be released to the Contractor 35 days after filing of the Notice of Completion with the Recorder and after NapaSan receives confirmation that all vendors and subcontractors have been paid in full.

The original contract amount was \$2,000,000 and the unit cost per dry ton of biosolids processed was \$503.04 per dry ton, resulting in a total quantity of 3,777 dry tons of biosolids to be processed. A change order for the project resulted in an increased unit cost of \$531.17 per dry ton which decreased the total quantity of solids processed to 3,577 dry tons. The total contract amount remained unchanged at \$2,000,000. The change order was required to account for differing site conditions that decreased the contractor's level of productivity. Specifically, the biosolids application rates were lower than originally anticipated and the testing results from third party laboratories were not available within the anticipated timeframe.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact?

No

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

This project is part of NapaSan's biosolids program. NapaSan conducted biosolids removal projects from Pond 1 most recently between the years 1999 and 2008. These projects utilized various methods and were successful at removing biosolids primarily from the southern one-third of Pond 1. At the time, the biosolids that had accumulated in Pond 1 were causing odors and were reducing the treatment capability of Pond 1. The projects conducted between 1999 and 2008 were successful but they did not remove all biosolids from the pond. Since 2008, more biosolids have accumulated in Pond 1 but at a reduced rate due to operational changes made at the treatment plant.

This project resulted in the successful removal of biosolids from the northern portion of Pond 1. NapaSan currently has additional Pond biosolids projects scheduled in the Capital Improvement Program for the years 2026 and 2029.

SUPPORTING DOCUMENTS

- A . Certificate of Completion
- B . Completion Resolution
- C . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy