



Agenda Date: 5/17/2017

Agenda Placement: 8B

## Napa Sanitation District Board Agenda Letter

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**TO:** Honorable Board of Directors

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

**REPORT BY:** Kyle Broughton, Associate Engineer - 258-6000 x530

**SUBJECT:** Accept Completion of the Aeration Basin Diffusers, Instrumentation and Controls Project (CIP 15713)

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### **RECOMMENDATION**

Adopt resolution accepting completion and authorizing the General Manager to file Notice of Completion at the Office of the Recorder, Napa County, California for the Aeration Basin Diffusers, Instrumentation & Controls Project (CIP 15713).

### **EXECUTIVE SUMMARY**

On June 17, 2016, the District entered into a contract with Spiess Construction, to furnish all labor, materials, equipment, and services required for the construction of the Aeration Basin Diffusers, Instrumentation & Controls Project (CIP 15713). On May 10, 2017, The General Manager submitted his Certificate of Completion to the Board Secretary certifying that the project was completed to his satisfaction. The total approved contract amount for this project is \$1,191,483.10. The District is currently holding \$59,574.16 as retention on this project. The full retention amount will be released to the Contactor 35-days after filing the Notice of Completion with the Recorder and the District receives confirmation that all vendors and subcontractors have been paid in full.

The original contract was awarded for \$1,176,000. Five (5) change orders were issued for this project in the amount of \$16,183.10 (1.0%).

### **FISCAL IMPACT**

Is there a Fiscal Impact?                      No

**ENVIRONMENTAL IMPACT**

None.

**BACKGROUND AND DISCUSSION**

The Aeration Basins are a critical component of NapaSan's treatment process. The project consisted of replacing existing aeration diffuser equipment that has exceeded its service life; its performance had deteriorated to the extent that replacement was required prior to the 2016 river discharge season. The project also included improvements to the Activated Sludge process by balancing influent streams into the aeration basins and refining air control with automated air control valves, air flow meters, new dissolved oxygen monitoring instruments and ammonia monitoring. NapaSan operations staff anticipates energy savings and a decrease in the amount of chemical addition into the Activated Sludge process as a result of the improvements.

**SUPPORTING DOCUMENTS**

- A . CIP 15713 Certificate of Completion
- B . CIP 15713 Completion Resolution
- C . CIP 15713 Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy