



Exxon Valdez Oil Spill Trustee Council  
General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects  
Quarterly Project Reporting Form

---

*\*Detailed instructions for each section below are given in Section II. Quarterly Project Reports in the Reporting Policy on the website, <https://evostc.state.ak.us/policies-procedures/reporting-procedures/>*

**Project Number:** 21210131 (Includes 21210131)

**Project Title:** Alaska SeaLife Center Facilities Project \$2,000,000/\$500,000

**Principal Investigator(s):** Chip Arnold, Ben Smith

**Reporting Periods and Due Dates:**

<i>Reporting Period</i>	<i>Due Date</i>
February, March, April	June 1
May, June, July	September 1
August, September, October	December 1
November, December, January	March 1

**Submission Date:** June 2, 2023

**Project Website:** N/A

Please check all the boxes that apply to the current reporting period.

- Project progress is on schedule.**
- Project progress is delayed**
- Budget reallocation request.**
- Personnel changes.**



**Exxon Valdez Oil Spill Trustee Council**  
**General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects**  
**Quarterly Project Reporting Form**

---

**1. Summary of Work Performed:**

**Building Infrastructure:**

The BAS project mechanical and device installation was reported completed by Trane on April 24th, 2023. All existing Metasys and Johnson Controls systems have been removed and replaced with new Trane controllers. Final installation of hardware specified in the original contract is complete. Trane completed graphics and programming, and provided training conducted by Luke Faulkner for ASLC Operations and IT staff on 4/24/2023. During the installation of components in the fan rooms previously undocumented and serious deficiencies were found in the air handling units. Trane provided a detailed list and scope of work to correct the AHU deficiencies on 3/10/2023, without which the new BAS system would be unable to be verified. The proposed repairs consisted of AHU1-9, and two vent fans. Additional problems with the building electrical distribution system were also discovered. Trane provided an estimate of \$128,516 to complete necessary repairs and replace failed equipment which was approved by ASLC. Electrical deficiencies were surveyed by the ASLC Project Manager. EPS Engineering was consulted to produce drawings and plans to replace failed distribution components. It is anticipated parts will be ordered by ASLC and installed by a local electrical contractor during the summer of 2023. An electrical panel was sourced through Graybar and has been delivered. Danfoss HVAC VFD drives will be ordered through InControl which is the regional factory distributor for these types of drives. Trane Training onsite for ASLC Operations staff is scheduled for April 24th. Crews from MSI and from Trane performed final installation of AHU Rehabilitation items and mechanical repairs. A final walkthrough was conducted on May 15th with Trane Project Manager Kody Bull, Technician Luke Faulkner, and ASLC Project Manager Ben Smith and COO Chip Arnold. As-built drawings were delivered for the BAS portion of the building automation upgrades.



Exxon Valdez Oil Spill Trustee Council  
General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects  
Quarterly Project Reporting Form

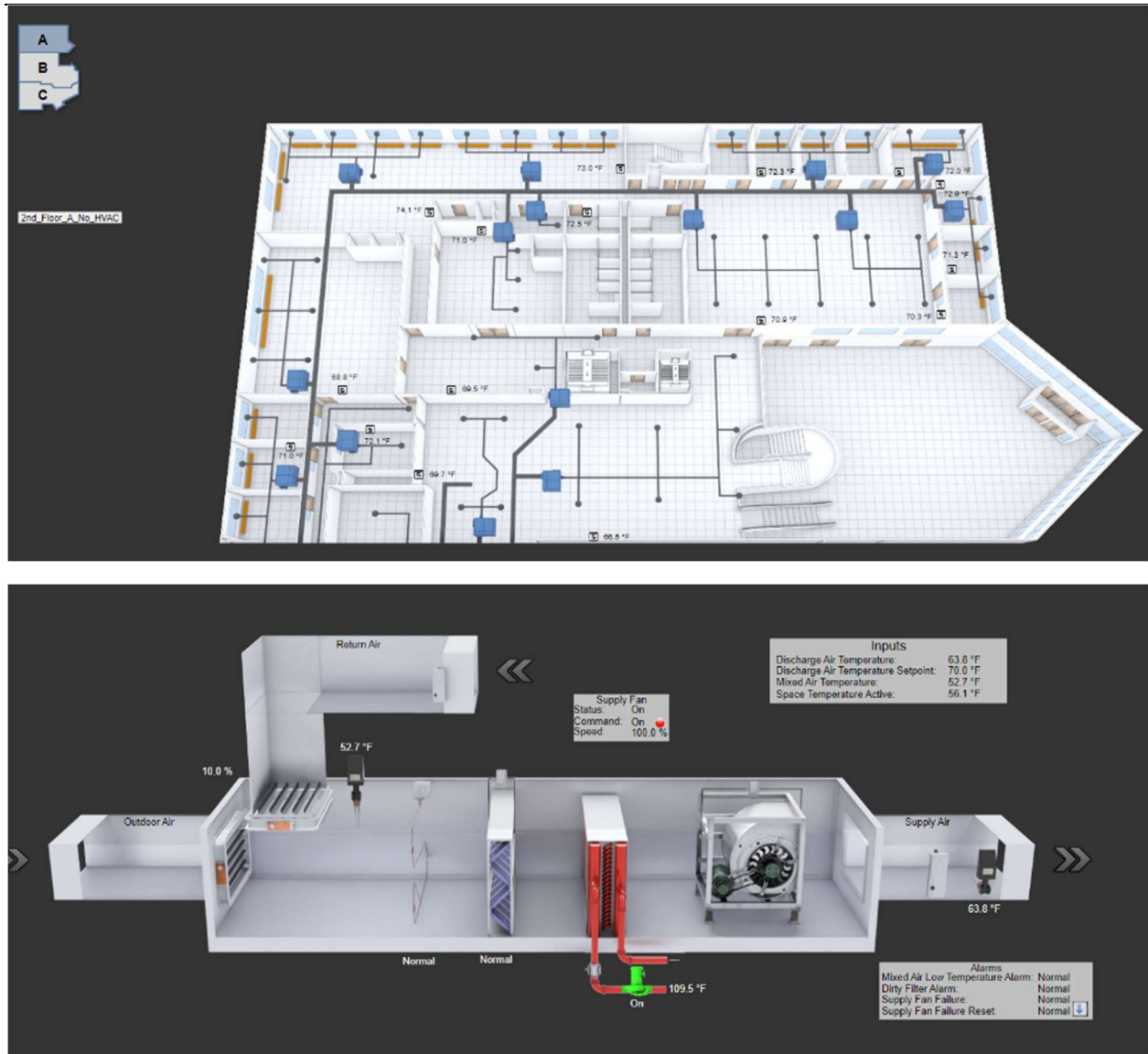


Figure 1. Screenshots from Tracer Ensemble showing typical systems now controlled through Trane BAS.



**Exxon Valdez Oil Spill Trustee Council**  
**General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects**  
**Quarterly Project Reporting Form**

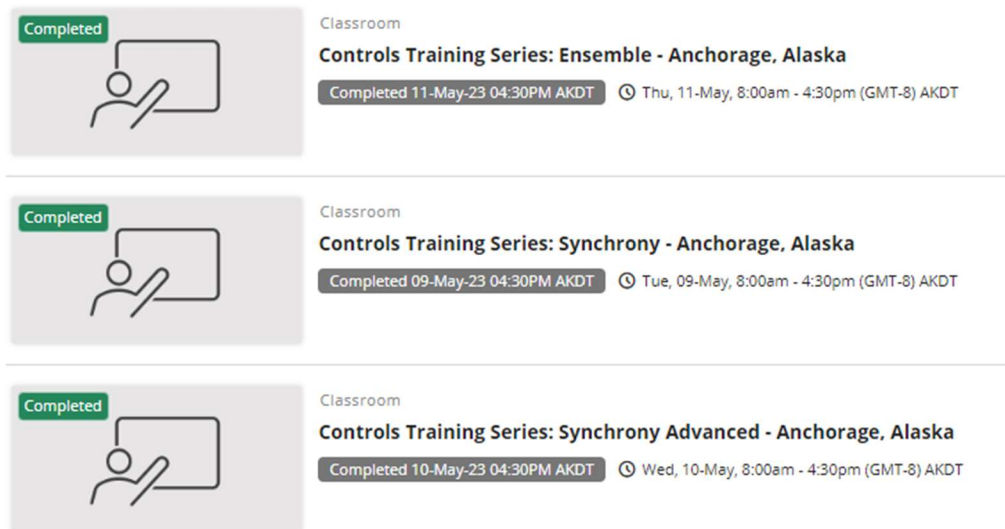


Figure 2. Trane factory training courses provided for ASLC Operations.

**Seawater Life Support System:**

Divers from ASLC placed temperature and salinity data loggers on April 19 at prescribed depths on intake lines. Initial data will be retrieved with the first two weeks of June, at which point a meeting will be scheduled with PND engineers to review preliminary data. Salinity and temperature data is expected to guide ASLC decisions regarding west intake line repairs.

**SeaWater Pump Replacements:**

The submersible GPM Eliminator pump was received and installed by ASLC Operations on May 3rd, 2023. The submersible installation went smoothly and replaced a failing turbine pump. The performance of the pump met published specifications and the pump has been in continuous operation since installation. New pumps ordered from Industrial Pumps of Alaska remain on order. Interim repairs until new pumps can be installed were required and performed by IPA.



**Exxon Valdez Oil Spill Trustee Council**  
**General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects**  
**Quarterly Project Reporting Form**



Figure 3. Submersible pump received 4/19/23

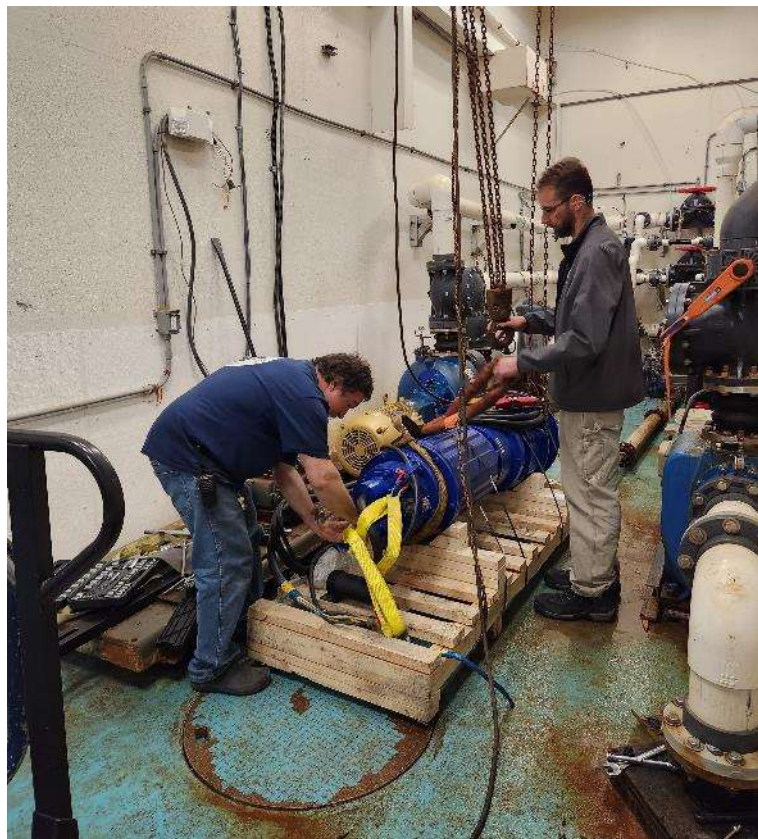


Figure 4. Submersible pump installation.



**Exxon Valdez Oil Spill Trustee Council**  
**General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects**  
**Quarterly Project Reporting Form**

---

**Ozone Water Treatment System:**

No additional work was performed on ozone systems during this reporting period. However, operations staff is working to develop plans to rebuild the pump room ozone generator that is currently being supplied temporarily by habitat ozone generator systems.

**Pump House Barrier:**

ASLC is awaiting final plans regarding Lowell diversion work from the Army Corps of Engineers before proceeding with additional project planning on the pumphouse barrier.

**Cast Iron Drain Pipe Assessment:**

Underwater viewing area leaks are being monitored by operations staff. In addition, several problem areas including drains in mammals curatorial, and second floor sink drains have been documented by ASLC operations staff. Plans are in place to use newly acquired camera systems to inspect these drains.

---

**2. Abstract:**

Trane completed the mechanical installation programming and onsite training for the building BAS project. A significant list of mechanical and controls related deficiencies was generated that required correction, resulting in a separate work order “AHU Rehabilitation” which was required to return air handling systems to working order before the BAS project could be completed and turned over. In addition, there were a number of defects found throughout the building system that were not critical to BAS operation; this list was provided to ASLC management. In addition to onsite training Trane also provided factory certificate training for three ASLC operations team members, hosted in Anchorage.

---

**3. Coordination and Collaboration:**

N/A

---

**4. Response to EVOSTC Review, Recommendations and Comments:**

N/A

---



**Exxon Valdez Oil Spill Trustee Council**  
**General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects**  
**Quarterly Project Reporting Form**

**5. Budget:**

Budget Category:	Proposed FY 22	Proposed FY 23	Proposed FY 24	Proposed FY 25	Proposed FY 26	5-YR TOTAL PROPOSED	ACTUAL CUMULATIVE
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contractual	\$126,095	\$0	\$0	\$0	\$0	\$126,095	\$104,821
Commodities	\$0	\$0	\$0	\$0	\$0	\$0	\$42,465
Equipment	\$2,373,905	\$0	\$0	\$0	\$0	\$2,373,905	\$565,681
Indirect Costs (report rate here)	\$0	\$0	\$0	\$0	\$0	\$0	\$71,297
<b>SUBTOTAL</b>	<b>\$2,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500,000</b>	<b>\$784,264</b>
General Administration (9% of subtotal)	\$225,000	\$0	\$0	\$0	\$0	\$225,000	N/A
<b>PROJECT TOTAL</b>	<b>\$2,725,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,725,000</b>	
<b>Other Resources (In-Kind Funds)</b>	<b>\$580,897</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$580,897</b>	<b>\$492,490</b>

**INSTRUCTIONS:** This summary page provides a five-year overview (FY 22-26) of proposed funding and actual cumulative spending which includes the non-trustee agency and trustee agency worksheets. **This Summary Page should automatically populate as the formulas reference the cells in the non-trustee agency and trustee agency worksheets. Please make sure the totals given are correct.** The column titled 'Actual Cumulative' will be updated each fiscal year and included in the annual report (include information on the total amount actually spent for all completed years of the project). On the Project Annual Report Form, if any line item exceeds a 10% deviation from the originally-proposed amount; provide detail regarding the reason for the deviation.

**COMMENTS:** Expenses through April 2023.