***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

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

Principal Investigator(s): Chip Arnold, Ben Smith

Reporting Periods and Due Dates:

Reporting Period	*Due Date*
February, March, April	June 1
May, June, July	September 1
August, September, October	December 1
November, December, January	March 1

Submission Date: May 9, 2025

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.**

1. Summary of Work Performed:

Building Infrastructure:

The Trane BAS and Lutron lighting systems continue to perform well. No additional funding was required for this reporting period. PND Engineering has submitted design for the siphon repair that will increase the supply of clean seawater to the Alaska SeaLife Center on low tide cycles.

Seawater Life Support System:

August 2024 flooding from Lowell Canyon caused significant damage to ASLC pumps due to high sediment load. ASLC staff responded by pulling a seized up and damaged, recently rebuilt pump (LSS-2) and sent it to GLM turbines for rebuilding. When ASLC staff attempted to pull new pump LSS-6 that was vibrating badly it was found the overhead crane was defective and also needed replacement. A new crane and trolley were ordered and installed by Washington Crane and Hoist. Due to these delays ASLC staff is still working hard to catch up with repairs.

Additional conversations with the Army Corps and PND Engineering spurred ASLC to direct PND Engineering to reallocate $40,000 from the engineering support and repair budget to preliminary project design and scoping for a new intake line project. Recent experience makes it clear that the existing intake lines are in danger of being completed covered in sediment from the tunnel discharge and a new line further away is the only viable long term answer. ASLC is seeking additional funding for this project as it will exceed the remaining EVOSTC funds.

Due to the failure of the three pumps no ROV or dive work that was planned could be completed. ASLC requires continuous water pumping from the intake well, which in order to dive or shut down an intake line either side must be fully available. When enough pumps are repaired and placed back into service American Marine will be notified and another attempt to dive and clean the intake line strainer and inspect the pipe interiors will be made.

The seawater intake wells have been cleaned out and PND Engineering has submitted design for the siphon repair that will increase the supply of clean seawater to the Alaska SeaLife Center on low tide cycles. American Marine has been engaged to construct and install the new siphon.

Seawater Pump Replacements:

Southbeach lift station pump replacements were installed and put into service. As mentioned above LSS-2 was removed and sent for repairs at GLM turbines. LSS-6 and LSS-7 will have to be pulled and inspected for damage following the August flood events. An additional GPM eliminator submersible pump was ordered to handle effluent flows in the waste basin. This pump

model is proving to be much more reliable than existing pumps were prior to beginning the seawater replacement pump program.

Ozone Water Treatment System:

Additional Ozone system components have been identified as requiring replacement. ASLC Operations staff is working on a corrective action plan. ASLC recently placed an order for more cells and is working with Ozone Water Systems for a return site visit, staff training and commissioning of replacement parts. ASLC has ordered replacement boards and cells to repair one of the three Ozone generators supplying clean water to our animal habitats.

Pump House Barrier:

No changes to plans for pump house barrier projects are present at this time, however ASLC continues to monitor Army Corps of Engineering plans for the discharge tunnel.

Cast Iron Drainpipe Assessment:

No additional work has been done on drainage systems, however, ASLC staff continues to monitor drainpipes and has discovered several areas of concern.

2. Abstract:

The Alaska SeaLife Center (ASLC) continues to navigate significant operational challenges while maintaining critical systems. The sedimentation from the Lowell Canyon diversion continues to impact ASLC seawater life support pumps and infrastructure. These delays have hindered planned ROV and dive work, which will resume once sufficient pumps are operational. ASLC reallocated $40,000 from its engineering budget toward scoping a new intake line project to mitigate future sediment issues, while seeking additional funding for this critical effort. The primary efforts for this reporting period are the completion of cleaning out the seawater intake wells and engaging PND engineers and American Marine to construct a new siphon device to supply greater clean seawater at low tides. Additionally, ASLC has ordered a replacement board and an outside contractor to upgrade the Ozone system for the ASLC's large animal habitats.

3. Coordination and Collaboration:

N/A

4. Response to EVOSTC Review, Recommendations and Comments:

N/A

5. Budget:

Please see next page.

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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	-
Travel	$0	$0	$0	$0	$0	$0	1,231
Contractual	$126,095	$0	$0	$0	$0	$126,095	308,025
Commodities	$0	$0	$0	$0	$0	$0	114,974
Equipment	$2,373,905	$0	$0	$0	$0	$2,373,905	921,178
Indirect Costs (10%)	$0	$0	$0	$0	$0	$0	113,098
SUBTOTAL	$2,500,000	$0	$0	$0	$0	$2,500,000	$1,458,505
General Administration (9% of subtotal)	$225,000	$0	$0	$0	$0	$225,000	N/A
PROJECT TOTAL	**$2,725,000**	**$0**	**$0**	**$0**	**$0**	**$2,725,000**	
Other Resources (In-Kind Funds)	**$580,897**	**$0**	**$0**	**$0**	**$0**	**$580,897**	**$706,204**

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 workshseets**. **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 January 2025

FY22-26	**Project Number: 21210131** **Project Title: Alaska SeaLife Center Facilities** **Project $2,000,000/$500,000** **PM(s): Arnold, Smith**	**SUMMARY TABLE**