

## Quarterly Report – Public Page

**Date of Report:** 5th Quarterly Report, December 28, 2023

**Contract Number:** 693JK32210001POTA

**Prepared for:** Government Agency: DOT and Co-funders

**Project Title:** Developing Corrosion Control Monitoring Technology for Hazardous Liquid Breakout Tanks

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**For quarterly period ending:** December 31, 2023

### 1: Items Completed During this Quarterly Period:

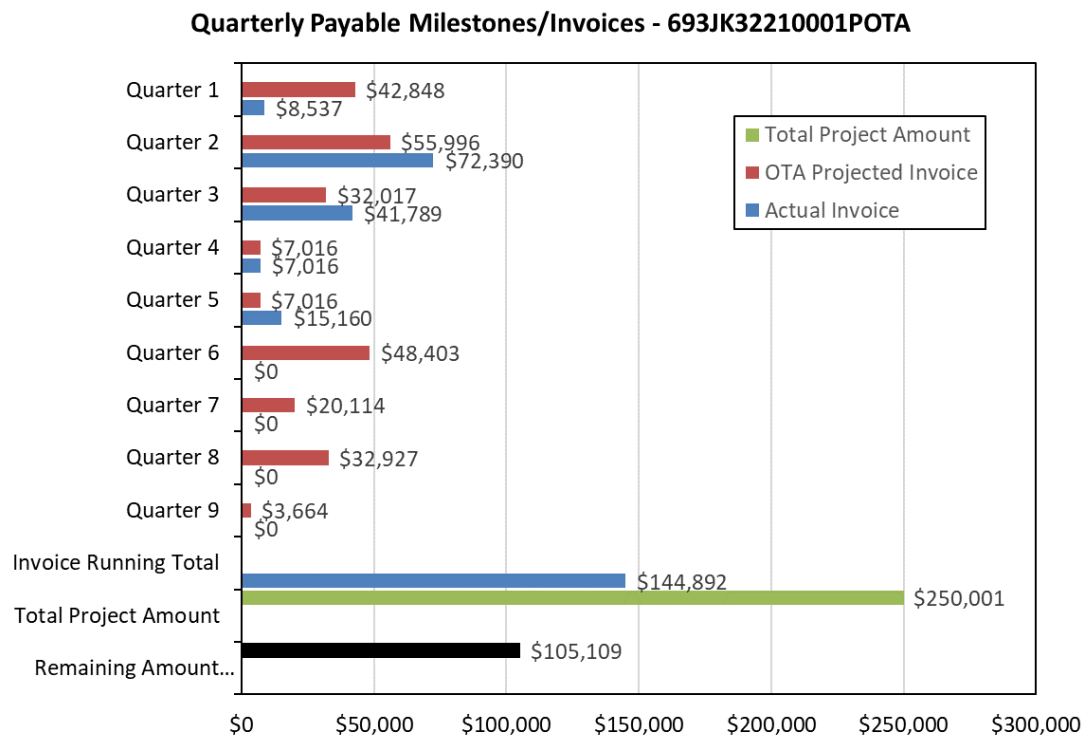
<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
9	4	Start of the laboratory experiments and large-scale control experiments	Details of the laboratory and large-scale control experiments during the second quarter will be included in the quarterly report	\$8,144	\$8,144
15	5	Quarterly Project Management & Status Update Reporting	Submit 5th quarterly report	\$7,016	\$7,016

### 2: Items Not Completed During this Quarterly Period:

None.

### 3: Project Financial Tracking During this Quarterly Period:

*Note that this chart reflects Federal share only.*



### 4: Project Technical Status:

*Item 9, Task 4 — Start of the field testing, laboratory experiments, and large-scale control experiments, Details of the laboratory and large-scale control experiments during the second quarter will be included in the quarterly report: Four laboratory scale experiments have been started; these experiments are being conducted to determine the VCI reinjection interval. In each of the two experiments, a 3-ft long and 5.5 inch ID tube is filled with field sand, one end of the tube will be used to inject VCIs, and the VCIs will be allowed to escape from other end. ER probes are being used to monitor the change in corrosion rates; the corrosion rate change data will be used to develop a criterion for VCI injection. One of the two large-scale experiment was started in the 4<sup>th</sup> quarter, and the second large-scale experiment was started in the 5<sup>th</sup> quarter. This item links to items 7 and 8 in Attachment 1 Team Project Activities. This item satisfies item 6 in Attachment 2 Project Deliverables.*

*Item 15, Task 5 — Quarterly Project Management & Status Update Reporting, Submit 5<sup>th</sup> quarterly report: The 4<sup>th</sup> quarter project meeting was held on December 14, 2023. This item has been completed. This item links to items 10 and 12 in Attachment 1 Team Project Activities. This item partly satisfies item 10 in Attachment 2 Project Deliverables.*

### 5: Project Schedule:

*All of the items are on schedule, however, there could be delay in completing the large-scale experiments as the start of the experiments was delayed due to material procurement. The project team will know the extent of delay by April-May 2024, and accordingly request for a no-cost extension.*