



MEMORANDUM

June 15, 2022

RE: Second Quarter 2022 Status Report, Boeing Field Chevron, 10805 East Marginal Way South, Tukwila, Washington, Agreed Order DE-10947

To: Mr. Dale Myers, Washington State Department of Ecology

From: Mike Arnold

This progress report related to the ongoing environmental remediation effort for the Boeing Field Chevron facility at 10805 East Marginal Way South, Tukwila, Washington (facility) is developed to inform stakeholders of project progress in the second quarter 2022 and to comply with reporting requirements for the facility under Agreed Order DE-1-947 with the Washington State Department of Ecology (Ecology).

Effort completed during the second quarter 2022 focused on development of the Pilot Test Workplan for the planned evaluation of remedial performance of a combination remedy at the facility.

SECOND QUARTER 2022 TASKS AND MILESTONES

Between April 15, 2022 and June 15, 2022, the following efforts were completed and milestones reached on the project:

- A revised draft Pilot Test Workplan was submitted by G-Logics to Ecology for review and comment on May 23, 2022. The revised version of the workplan included several minor revisions and expanded descriptions of planned efforts, and revision of some typographical errors. There were no significant changes to the planned pilot test program reflected in the revised workplan.

- In parallel with the revised workplan submittal on May 23, 2022, G-Logics provided Ecology with a request for revision of the Agreed Order to conform to the revised planned schedule for the pilot test. A revised pilot test schedule was submitted with the letter outlining the planned duration of the pilot test and associated reporting tasks. This schedule is attached to this progress report as Table 1.
- On May 23, 2022, G-Logics also provided a letter requesting an extension to the schedule for the Agreed Order to accommodate the completion of the pilot test program. That document remains in review as of the date of this progress report. As such, the schedule included in that submittal, which is attached as Table 1 of this document, is considered provisional until approved by Ecology.
- Mr. Dale Myers at Ecology reported on June 13, 2022 that Ecology had accepted the May 23, 2022 version of the workplan without further comment and requested submittal of a final version of the workplan.

PROBLEMS ENCOUNTERED

G-Logics encountered inconsistencies between the available outputs from the Ecology UIC permitting program online permit application tool and the expectations of the Toxics Cleanup Program (TCP) with regard to the tool outputs. The G-Logics team continues to work with the UIC permitting lead and Mr. Dale Myers of the TCP to resolve the inconsistency and deliver a UIC permit application document that meets TCP expectations. It is expected that the problem will be resolved with sufficient time to complete the UIC permitting process prior to the first planned reagent injection event.

SCHEDULE EVALUATION

The provisional schedule for the pilot test program and the remaining tasks under the Agreed Order is included in the attached Table 1. As described below, G-Logics plans to establish June 23, 2022 as “Day Zero” for the attached schedule.

There are no conditions that G-Logics is currently aware of that will require adjustment of the provisional schedule. Tasks in the 3rd Quarter 2022 are currently expected to be executed within the parameters of the schedule provided in Table 1.

PLANNED THIRD QUARTER 2022 TASKS AND MILESTONES

G-Logics will submit the final workplan to Ecology no later than June 23, 2022. G-Logics will consider this date to be the “Day Zero” date for the schedule outlined in the attached Table 1. The following tasks are expected to be completed in the Third Quarter of 2022 (June 16 to September 15):

- Pilot test field planning and coordination, health and safety plan development, and procurement.
- Monitoring well installation and initial groundwater quality monitoring.
- Soil and groundwater sample results review for pilot test planning.
- Completion of the first reagent injection event.
- Completion of the first progress groundwater monitoring event.
- Completion of the first total liquids extraction event.
- Completion of the second reagent injection event.

Table 1
Project Schedule
ISCO/Total Liquids Extraction Pilot Test and FS/CAP Development
Boeing Field Chevron, 10805 East Marginal Way South
Tukwila, Washington

Task/Milestone	Duration	Week Beginning	Week Ending
ISCO/Total Liquids Extraction Pilot Test			
Workplan approval	Day 0	1	1
Field planning and coordination, health and safety plan development, procurement	3 weeks	1	4
BASELINE CONDITIONS EVALUATION			
Monitoring well installation and initial groundwater monitoring	1 week	4	5
Soil and groundwater sample analysis and results review	2 weeks	5	7
PILOT TEST IMPLEMENTATION AND MONITORING			
Reagent Injection Event #1	2 days	8	8
Progress Groundwater Monitoring Event #1	2 days	11	11
Total Liquids Extraction Event #1	1 day	12	12
Reagent Injection Event #2	1 day	13	13
Total Liquids Extraction Event #2	1 day	16	16
Reagent Injection Event #2	1 day	18	18
Total Liquids Extraction Event #2	1 day	21	21
Progress Groundwater Monitoring Event #2 (One Month)	2 days	25	25
Progress Groundwater Monitoring Event #3 (Three Months)	2 days	34	34
Progress Groundwater Monitoring Event #4 (Six Months)	2 days	47	47
REPORTING			
Report Development and Draft Report Submittal	4 weeks	47	51
Review, Response to Comments, and Final Report Submittal	6 weeks	51	57
Feasibility Study Development			
Development and Agency Review Draft Feasibility Study Report Submittal	6 weeks	57	63
Agency Review and Public Comment Draft Feasibility Study Report Submittal	7 weeks	63	70
Public Review of Draft Feasibility Study Report	5 weeks	70	75
Final Feasibility Study Report Development and Submittal	4 weeks	75	79
Cleanup Action Plan Development			
Development and Agency Review Draft Cleanup Action Plan Submittal	6 weeks	79	85
Agency Review and Public Comment Draft Cleanup Action Plan Submittal	7 weeks	85	92
Public Review of Draft Cleanup Action Plan	5 weeks	92	97
Final Cleanup Action Plan Development and Submittal	4 weeks	97	101

Notes:

FS/CAP = Feasibility Study/Cleanup Action Plan

ISCO = In situ chemical oxidation