

ADEQ

ARKANSAS
Department of Environmental Quality

January 31, 2019

Mr. Jeremy Brooks
Project Engineer
FTN Associates, Ltd.
3 Innwood Circle, Suite 220
Little Rock, Arkansas 72211-2449

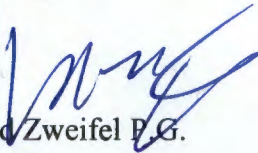
Re: Approval for Scope of Work for DAMCO Phase 2 Remedial Action Construction Project
AFIN 03-00208; Permit 0022-SWTP, Document ID: 75419

Dear Mr. Brooks:

The Arkansas Department of Environmental Quality Office of Land Resources (ADEQ) would like this letter to serve as approval of the Scope of Work for DAMCO Phase 2 Remedial Action Construction Project. This project is offered under State Contract # 4600037745.

If you have any questions, please contact me at zweifel@adeq.state.ar.us or 501-682-0990 or my staff member Weston Lee lee@adeq.state.ar.us or 501-682-0870.

Sincerely,



Jarrod Zweifel P.G.
Senior Manager
Assessment & Remediation
Office of Land Resources



water resources / environmental consultants

3 Innwood Circle, Suite 220 • Little Rock, AR 72211 • (501) 225-7779 • Fax (501) 225-6738

January 31, 2019
lee@adeq.state.ar.us

Mr. Weston Lee
Office of Land Resources
Arkansas Department of Environmental Quality
5301 North Shore Drive
Little Rock, AR 72118-5317

RE: Scope of Work and Cost Estimate for DAMCO Waste Tire Disposal Facility Phase II
Remedial Action Construction Project
State Contract #4600037745
FTN No. P03013-0020-044

Dear Mr. Lee:

This letter provides the proposed scope of work (SOW) and associated cost estimate for the upcoming Remedial Action (RA) services associated with the Phase II construction project at the DAMCO Waste Tire Disposal Facility (DAMCO) site located near Mountain Home, Arkansas. The SOW is based upon the completed and approved Phase II construction documents prepared by FTN Associates, Ltd (FTN October 2018). This scope of work addresses the RA task (Task 9) outlined in the existing contract (DIN 4600037745).

SCOPE OF WORK

TASK 9 – PHASE II REMEDIAL ACTION

Subtask 9A – Construction Oversight: For this task, FTN will provide the following field services during the Phase II construction project:

1. Provide construction contract document review and coordination.
2. Attend pre-construction meeting with the Arkansas Department of Environmental Quality (ADEQ) and the successful bidder in Little Rock, Arkansas.
3. Provide up to 102 work days of full-time observation on site to monitor and document the construction activities per the project documents.
4. Conduct up to ten (10) bi-weekly progress meetings at the project site.
5. Review project submittals for compliance with the plans and specifications.
6. Coordinate geotechnical testing services throughout construction.
7. Coordinate construction activities with ADEQ and the Contractor.
8. Prepare bi-weekly summary reports and submit to the ADEQ.
9. Review up to five (5) interim Contractor pay requests for compliance with ADEQ and DBA standards and submit to the ADEQ for approval.

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10. Complete project closeout tasks including:
 - 10.1. One (1) site visit for substantial completion inspection.
 - 10.2. One (1) site visit for final completion inspection.
 - 10.3. One (1) Final Pay Application review.
 - 10.4. Coordinate as-built drawings and topographic survey.
 - 10.5. DBA closeout submittals.

Subtask 9B – Preparation of Construction Activities Report: For this task FTN will provide the following services for the combined Phase I and Phase II construction projects at the DAMCO site:

1. Prepare draft construction activities report including a summary of the work, changes in design, construction activities reports, and testing records.
2. Attend one (1) review meeting with the ADEQ to discuss their comments of the draft report.
3. Incorporate review comments and prepare and submit a final construction activity report to ADEQ.

PROJECT SCHEDULE

It is estimated that the construction portion of the DAMCO Phase II RA may take approximately 120 calendar days to reach substantial completion. The project budget for construction observation, project management, and attendance at the bi-weekly meetings is based on this estimated construction schedule. If the construction schedule extends beyond this estimated schedule, FTN will provide ADEQ with a cost estimate for the additional services related to the extended project schedule.

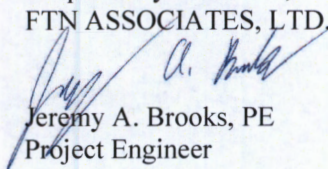
Preparation of closeout submittal documents and a draft closeout reports will be completed with 60 days of final completion of the construction project. Submission of the final construction activities report will be completed within 2 weeks of receipt of final ADEQ review comments.

PROJECT BUDGET

The estimated budget for Phase II of the DAMCO Phase II construction (Task 9) is \$208,909 for compensation (labor and 8.75% fee) and \$27,200 for expenses (surveying subcontractor, materials testing (geotechnical) subcontractor, surveyor, reproduction and project supplies), for a total of \$236,109.

If you have any questions about the proposed scope of work and budget, please do not hesitate to contact me or Paul Crawford, PE, PEG, at (501) 225-7779.

Respectfully submitted,
FTN ASSOCIATES, LTD.


Jeremy A. Brooks, PE
Project Engineer

JAB/tas

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