

December 19, 2013



Nick Mimms, PE  
City of Ft. Pierce  
Deputy City Manager  
100 North US 1  
Ft. Pierce, FL 34954

Cardno TBE

380 Park Place Blvd  
Suite 300  
Clearwater, FL 33759  
USA

RE: Proposal for Limited Interim Source Removal using Supplemental RLF  
Funding  
Former H.D. King Site Parcel #1, Ft. Pierce

Phone 727 531 3505  
Phone 800 861 8314  
Fax 727 539 1294

Email [tbe@CardnoTBE.com](mailto:tbe@CardnoTBE.com)

[www.CardnoTBE.com](http://www.CardnoTBE.com)

Dear Mr. Mimms:

Cardno TBE is pleased to submit this technical and cost proposal for conducting limited Interim Source Removal (ISR) activities on Parcel #1 of the former HD King Power Plant site on behalf of the Ft. Pierce Redevelopment Agency (FPRA).

#### **BACKGROUND**

During November and December 2013, Cardno TBE oversaw the removal of approximately 180 tons of TSCA contaminated soil (>50 mg/kg PCBs) and 3,057 tons of non-TSCA soil (low level PCBs and PAHs). This work removed all identified TSCA soils from the site and fully utilized the funding from the TCRPC Revolving Loan Fund (RLF). Significant additional source removal is needed to address the remaining contaminated soil, and a draft proposal was submitted on December 15, 2013 outlining the projected costs if all soil removal work is conducted during the first part of 2014. Supplemental RLF funds have been secured by TCRPC and it is our understanding that loan documents are being prepared for an additional \$250,000 to supplement the required funding for 2014.

The following scope of services details proposed interim source removal (ISR) activities to be conducted concurrently with the ISR work outlined in the December 15, 2013 proposal.

#### **SCOPE OF WORK**

This work is proposed to be completed in conjunction with the larger source removal project being funded directly by the City of Ft. Pierce. Cardno TBE will provide environmental project oversight for the removal of PCB/hydrocarbon contaminated soil as part of the interim source removal activities. Costs associated with post-excavation confirmatory sampling, backfilling, compaction and site restoration will be covered as part of the larger remediation project, as detailed in the draft proposal submitted on December 15, 2013. Funding from the supplemental RLF will be utilized for project management and programmatic support functions (as required by EPA) and for soil excavation, transportation and disposal costs only.

Soil will be direct loaded into dump/mini-wheeler trucks for transport to an approved/permitted landfill. Costs presented below assume that this portion of the proposed soil removal will be conducted as part of the larger source removal project, wherein an estimated 18,000 tons of contaminated soil will be removed. If this work is conducted separately due to delays in funding of the overall project, additional costs will be incurred for confirmatory sampling, mobilization/demobilization, backfill and compaction, geotechnical compaction testing/oversight, handling and sampling of clean overburden, erosion control and reporting. The cost for the additional services, if necessary, will be covered by reducing the proposed amount of soil to be removed during this phase of the excavation activities.

*Note: As part of the larger project, post-excavation confirmatory laboratory analytical sampling will be conducted to verify removal of impacts to the appropriate regulatory criteria. Post-excavation confirmatory soil samples will be collected from the sidewalls of the excavation at 25 ft intervals along the perimeter of the excavation. Samples will be collected at the mid-point of the sidewall at each sample location. In areas where the excavations do not encounter the water table, base samples will be collected from the center point of every 40 ft by 40 ft area excavated. Post-excavation confirmatory samples will be analyzed for PCB/petroleum hydrocarbons (historical impacts) only. Please note that final sampling protocols may be revised based on FDEP negotiations/requirements and associated costs will be adjusted accordingly.*

*At the conclusion of the larger removal project, an ISR report will be prepared documenting the removal activities and results of post-excavation confirmatory sampling. Disposal costs presented assume the soil can be disposed of as non-hazardous in a municipal landfill. Costs for the reporting and confirmatory sampling are included in the December 15, 2013 proposal.*

**SCHEDULE OF COMPENSATION**

Task I – Project Management, Coordination and Programmatic support.....	\$6,277
Task II – Excavation, Transportation and Disposal of up to 3,558 tons of soil @\$68.5/ton.....	<u>\$243,723</u>
	<b>PROJECT TOTAL: \$250,000</b>

**PROPOSED PROJECT SCHEDULE**

Within 30 days following notice to proceed on the overall 2014 source removal project (outlined in December 15, 2013 proposal), Cardno TBE will mobilize to the site to begin source removal activities. A tentative project schedule is further outlined below and will be adjusted based on notice-to-proceed (NTP):

- Notice to Proceed – January 2014
- Task I - Project Management, Coordination and Programmatic Support – February 28, 2014
- Task II - Mobilization and Source Removal Activities – March 31, 2014.

The portion of the source removal activities covered by this proposal will be completed by March 31, 2014, assuming ISR work begins by February 15, 2014.

The project will be billed on a lump sum basis. If this proposal meets with your approval, your signature below will authorize Cardno TBE to begin scheduling of field activities and subcontracted services.

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Work performed for this project will be in compliance with the current Agreement for Consulting Services contract with the FPRA.

After review of the scope of services, please call me or Greg Schultz at 727.531.3505, if you have any questions.

Sincerely,



Rick Hagberg, PG  
Director  
For Cardno TBE

Approved by:

Signed by: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_