Wallace Kuhl & Associates

**Corporate Office**
3050 Industrial Boulevard
West Sacramento, CA 95691
916.372.1434 phone
916.372.2565 fax

**Stockton Office**
3422 West Hammer Lane, Suite D
Stockton, CA 95219
209.234.7722 phone
209.234.7727 fax

December 4, 2018

Mr. James W. Bridges, Ed.D.
Jefferson School District
1219 Whispering Wind
Tracy, California 95377

*Budget Augmentation Request for Destruction of Soil Gas Sample Probes, Groundwater Monitoring Well, and Disposal of Investigative Derived Waste*
**TRACY HILLS SITE – PROPOSED ELEMENTARY SCHOOL SITE**
Tracy, California
WKA No. 10137.04P

Dear Dr. Bridges:

Wallace-Kuhl & Associates (WKA) requests Jefferson School District's approval to augment our budget for costs associated with destroying the seven nested soil gas sampling probes and groundwater monitoring well located at the Site, disposal of investigation derived waste (drummed soil, water, well boxes, PVC casing, cement, and concrete) generated during well installation and well destruction activities.

Scope of Additional Services

The activities described below are required to close out the well permits issued by San Joaquin County Environmental Health Department (SJCEHD) associated with the Preliminary Endangerment Assessment performed at the Tracy Hills proposed elementary school site.

In preparation for well destruction activities, WKA will:

- Prepare a Well Destruction Work Plan for review and approval by San Joaquin County Environmental Health Department (SJCEHD) and obtain Well Destruction Permits from SJCEHD prior to implementing well destruction field activities.
- Mark each well location using white paint/flagging and contact Underground Service Alert (USA) a minimum of 72 hours before beginning field activities.
- Utilize the services of V & W Drilling, a C-57 licensed drilling contractor, to remove the well covers, crash posts, and concrete aprons at the eight well locations, and properly destroy the eight wells in accordance with City, County, and State regulations. Each well will be destroyed by over-drilling the total depth of the well casing using appropriately sized hollow-stem augers. Each boring will then be grouted to surface grade using neat cement injected via tremie pipe. Encountered water will be captured and contained in a 55-gallon steel drum.

- WKA will coordinate with SJCEHD to schedule grout/well destruction inspection. WKA will observe well destruction activities performed by the licensed well drilling contractor.
- WKA will collect two sets of composited soil samples from the drummed soil and a composited sample from the drummed water generated during well installation and well destruction activities for waste characterization purposes. The composited soil samples and composited water sample will be submitted with a completed chain-of-custody form to California Laboratory Services (a State Water Resources Control Board-certified laboratory) for the chemical analyses listed below.
  - Total petroleum hydrocarbons (TPH) as diesel and TPH as motor oil using modified EPA Method 8015;
  - TPH as gasoline using EPA Method 8260B;
  - Volatile organic compounds using EPA Method 8260B; and,
  - Polynuclear aromatic hydrocarbons using 8270 (SIM).
- Provide project management, subcontractor coordination, document well destruction activities document and load-out off drummed soil and water from the Site.
- Contract the services of Asbury Environmental Services DBA World Oil Environmental Services (World Oil) to transport fifteen 55-gallon steel drums of soil and one 55-gallon steel drum of water to an appropriate licensed facility for disposal as non-hazardous waste.
- WKA will prepare and submit Well Completion Reports for each destroyed well as required by the Department of Water Resources and upload them to the Online System for Well Completion Reports (OSWCR).

## Report Preparation

Following completion of field work associated with well destruction activities and receipt of analytical data, a Well Destruction Report will be prepared. The report will include a sketch map illustrating the well locations, a table summarizing analytical data, a copy of the laboratory analytical report and chain-of-custody forms, field observations, conclusions, waste manifest documentation.

### Assumptions

The proposed scope of services is based on the following assumptions:

- Field activities are conducted during normal business hours Monday through Friday.
- The Site will be accessible at the time authorization to proceed is provided.
- Work does not include remobilization due to accessibility or rescheduling conflicts.
- Work will not be delayed by inclement weather.
- Costs associated with collecting and two 4:1 composited samples previously collected from the soil cuttings generated during well installation activities for the chemical analyses listed above are included in the budget augmentation request.

- A composited sample will be collected from the containerized groundwater generated during well destruction activities for the chemical analyses listed above.
- Soil generated during well destruction activities will be spread onsite.
- Analytical costs assume standard analytical laboratory turn-around times (TAT) of five business days will be requested.

**Budget Augmentation Request**

The cost estimates for the additional scope of services are summarized in Table 1 below.

Table 1 – Summary of Cost Estimate

| **Activity** | **Budget** |
|---|---|
| WKA Labor | $8,815 |
| SJCEHD's Review of Well Destruction Work Plan | $1,642 |
| Well Destruction Permit Fee | $1,460 |
| Well Destruction (V&W Drilling) | $10,200 |
| Laboratory Analyses (based on a five-business day TAT) | $1,258 |
| Drum Pick-Up & Disposal – World Oil | $3,650 |
| Reimbursables (mileage, equipment, materials) | $550 |
| **Estimated Budget** | **$27,575** |

Fees for the additional services discussed in this letter will be billed on a time-and-expense reimbursement basis, in accordance with our existing agreement with Jefferson School District. WKA requests approval to augment our budget to include an additional $27,575 for the out-of-scope services summarized above. Approval of this budget augmentation request brings our total approved budget to $155,911.

WKA appreciates the opportunity to assist Jefferson School District with your environmental needs. Should you have questions regarding this budget augmentation request, or if you need additional information, please do not hesitate to contact me or Kurt Balasek at (916) 372-1434.

Wallace-Kuhl & Associates

Matthew A. Taylor
Project Manager

Acceptance:
Mr. James W. Bridges, Ed.D.
Jefferson School District

Name: _____

Signature: _____

Date: _____