NATIONAL CENTER FOR RADIATION FIELD OPERATIONS (NCRFO)

PROJECT ACCEPTANCE FORM

The purpose of this document is to provide NCRFO an abridgment, to ensure that all requests can be delivered while meeting quality assurance objectives. This document is not a contract. It's an internal quality control approach to ensure that NCRFO can deliver environmental radiological services, so we can meet the needs of our customer. The customer must be aware that in the event of an emergency, NCRFO resources may be redirected from your activity.

I. REQUESTER CONTACT INFORMATION

Organization: USEPA Region 6

Contact Person: Greg Fife

Phone: (214) 665-6773 Cell: _____

Email: fife.greg@epa.gov

Signature: _____ Date: 6/3/19

II. SITE BILLING CODE (IF REQUIRED) FOR SITE SUPPORT

Certifying Officer: _____

BFY: _____

FUND/Appropriation: _____

Budget Org: _____

PRC: _____

Site Project: A6SK

III. PROJECT INFORMATION

Please provide a detailed site and project description including known or suspected hazards.

Site Program Type: ☑ Regional ☑ Superfund ☐ Other

Site Name: Lowerline

Site Location: Intersection of Lowerline St. and Coolidge Ct., New Orleans, Louisiana

Site History or Weblink/URL (if Available)

In 2013, a DOE sweep discovered a Ra-226 "source" located near the intersection of Lowerline St. and Coolidge Ct. in New Orleans, Louisiana. An initial investigation of the site found no immediate threat to the public. A follow-up in situ investigation performed by DOE and LDEQ identified a point or highly localized Ra-226 "source" with an activity of between 1 and 10 mCi, with a contact dose rate of 1.2 - 1.5 mR/h at the pavement surface. Phase 1 work performed in late 2018 by Louisiana DEQ's contractor ARS International included the excavation of a 3' X 3' area of the roadway to a depth of approximately 24"-30". During excavation activities, the localized rate increased from 1.5 - 10,000 mR/h, General Area Dose Rates exceeded posting requirements, and excavation equipment became contaminated. Elevated levels of alpha contamination and several other areas of elevated dose rate were detected in the excavation. Three drums of contaminated soil were removed from the excavation, including a drum of 10,000 mR/h "source" material, and were transported for disposal. An unknown metallic cable/debris was discovered in the excavation. The working hypothesis is that a radiography source lost in the 1940s or 1950s was destroyed and dispersed in the roadway. Significant contamination remained after excavation and the project was halted and the excavation backfilled and patched due to magnitude and extent of contamination exceeding project scope. On December 3, 2018, a gamma walkover survey was performed using a 2" X 2" sodium iodide detector with a collimator shield, which identified multiple areas of elevated dose rate along Lowerline St. Laboratory analysis was performed on samples from the three drums of excavated soil. Analytical results results revealed elevated levels Ra-226 and daughters in the excavation and indicated that 40 times the required 5 pCi/g cleanup level remains in the excavation. USEPA Region 6 has now taken over cleanup activities at the site. Proposed Regional Phase 2 activities scheduled for May - June, 2019, include further excavation of the contaminated roadway, disposal of contaminated soils, further soil sampling and laboratory analysis, backfill to street level, repaving, and final survey of the roadway.

Proposed Project Start Date: 06/10/2019

Proposed Project End Date: 06/21/2019

Customer Proposal:

NCRFO personnel will perform a qualitative survey of the site street surface and possibly street surfaces of several adjacent blocks using the NCRFO Buggy System. In consultation with the customer, specific transects (e.g. 0.5-meter, 1-meter) and specific area to be surveyed will be determined. A preliminary review of the data will be performed by the Project Technical Lead to identify any anomalous locations and detected radioisotopes. This Buggy System survey will be performed at the end of the project; after excavation and repaving of the road has been completed.

NCRFO personnel will perform a qualitative survey of the neighborhood surrounding Lowerline St. and Coolidge Ct. using the NCRFO Scanner Van during excavation activities. In consultation with the customer, specific areas to be surveyed will be determined. A preliminary review of the data will be performed by the Project Technical Lead to identify any anomalous locations and detected radioisotopes.

An appropriate background location will be identified in consultation with the customer. Background locations need to be geologically similar to the site and known to be unaffected by contamination. Background survey data will be used in the identification process of anomalies.

Data files (including qualitative measurements, spectra, and location (GPS coordinate) information) will be provided to the customer by NCRFO. No maps will be provided to the customer by NCRFO. All data provided to the customer by NCRFO will be qualitative and will complement survey/analytical work being performed by the region.

IV. Samples Collected by NCRFO? ☐YES (Laboratory Sample Acceptance Form Needed) ☑NO

V. PROPOSED APPROACH (to be completed by NCRFO personnel)

Please note that the proposed target date may change due to emergency and operational commitments.

Proposed Date: 06/10/19 - 06/21/19

Comments:

Please refer to the "Customer Proposal" in Section III of this form for details on NCRFO's proposed approach.

VI. NCRFO APPROVAL (to be completed by NCRFO personnel)

NCRFO Project Manger _____

☐ Approved ☐ Disapproved Reason for Disapproval: _____

Comments:

Signature: _____ Date: _____

CRPR/CPT Center Director _____

☐ Approved ☐ Disapproved Reason for Disapproval: _____

Comments:

Signature: _____ Date: _____

NCRFO QA Manager _____

☐ Approved ☐ Disapproved Reason for Disapproval: _____

Comments:

Signature: _____ Date: _____

NCRFO Laboratory Director _____

☐ Approved ☐ Disapproved Reason for Disapproval: _____

Comments:

Signature: _____ Date: _____