Message

From: McKim, Beverly [Mckim.Beverly@epa.gov]
Sent: 12/27/2017 6:39:17 PM
To: Baker, Todd [Baker.Todd@epa.gov]; Andrews, Robert [Andrews.Robert@epa.gov]
Subject: FW: LV PART II Decommissioning Project - Characterization Task/Call Order - Next Steps and Identifying a POC
Attachments: Final SOW for Characterization CLEAN COPY Veal May 20.docx; Electronic submittal of laboratory reports - BPA 09-01, GSA-23F-0025K, EP-G15C-00624 Characterization and Decommissioning for the US EPA, Las Vegas Facilities; Signed QARF Characterization and Decommissioning.pdf; IGCE Characterization and Decommissioning Projections 2015-05-18.xlsx; UNLV Characterization DF 2015.05.19.pdf; Multiple Appropriation Memo - Characterization PR.PDF; EPA LV - Site Plan - May 11, 2015.pdf; EPA LV - EDDP SOW - POS Floor Plan - May 11, 2015.pdf; EPA LV - EDDP SOW - Selective Demo - May 11, 2015.xlsx; 2017-12-26 EPA LV - POS MSL-EXC-CHL - Quantity Takeoff.xlsx; 2017-12-27 CHL Fume Hood List - Rad info.xlsx

Todd, you will need to scan this email to refresh your memory. Some of the information will also be pertinent as we prepare the EDDP TO.

Robert, this email is information for you. I will follow up with another email that includes the spreadsheets that I will need help on next week. My main focus areas will be updating the site maps, floor plans, and getting the quantity takeoffs done.

Thank you,
Beverly

From: McKim, Beverly
Sent: Wednesday, December 27, 2017 1:19 PM
To: Edwards, Jonathan <Edwards.Jonathan@epa.gov>
Cc: Cherepy, Andrea <Cherepy.Andrea@epa.gov>; Veal, Lee <Veal.Lee@epa.gov>; Wilds, Edward <Wilds.Edward@epa.gov>; Stafford, Andrea <Stafford.Andrea@epa.gov>; Watkins, Tim <Watkins.Tim@epa.gov>; Gonzalez, Daniel <Gonzalez.Daniel@epa.gov>; Schumacher, Brian <Schumacher.Brian@epa.gov>
Subject: LV PART II Decommissioning Project - Characterization Task/Call Order - Next Steps and Identifying a POC

Jonathan,

I mentioned on our December 13th bi-weekly check-in that we were in discussion with CPOD on the contracting strategy and vehicle/s for the next part of the Las Vegas Decommissioning Project. After many months, COPOD has notified us they are going to proceed with an NERL/ORD Nationwide BPA rather than utilizing the Office of Administration BPA. The BPA solicitation is expected to be posted in February with an award in May. Task/call orders that go with the BPA solicitation can be awarded when the BPA is awarded. An award in May/June will allow us to get the SAP, QAPP, and HASP completed and approved in the July-Sep timeframe. This will allow us to be on the ground ready to begin field work on October 1, 2018. I will provide some details below, in purple, but the **bottom line is we need to have the Characterization Task/Call Order prepared by the end of January. Please let us know who will be the OAR lead for the Characterization contracting documents.**

There are many actions items that I am following up on for the BPA in addition to the task/call orders (Transition, EDDP – Chemical, and Decommissioning – Rad) for LV. I will be in Las Vegas next week to work on the site maps, floor plans and quantity take offs.

<u>The supporting documents required for the task/call order include:</u>

- SOW *(I can provide Background and Introduction language since I have to prepare it for the EDDP task order.)*
    - Subsequent to the SOW it was agreed that laboratory reports could be submitted electronically rather than in both electronic and hardcopy, see attached email.

- Any pertinent deviations should be reflected in a new SOW. The deviation list and associated description is provided at the bottom of this message.

- Quality Assurance Review Form
- IGCE
- Determination & Findings (Time and Materials)
- Multiple Appropriations Memo
- COR Nomination Form and Certificate
- Alt COR Nomination Form and Certificate
- Site Maps *(I will modify and provide for this task order)*
- Pertinent Floor Plans (POS, EXC, and CHL) *(I will modify and provide for this task order)*
- Areas of Selective Demo *(I will modify and provide for this task order)*
- Quantity Take Off Sheets *(I will modify and provide for this task order but input is needed from OAR for RAD Concern for each room. I have already begun work on this spreadsheet and it is attached.)*
- See notes: 2009 CHL Rad fume hood surveys and fume hood replacement information
- CERFA Guidelines

I have attached most of the documents utilized for the Characterizations and Decommissioning task order – GS-23F-0025K, EP-G15C-00624 for reference.

NOTES:

- In 2009, Six fume hoods were removed in CHL by Shaw Environmental. Five of the six hoods were replaced with new fume hood. In addition five fume hoods were disconnected and capped off in CHL. Excerpts of the final report are below. The final report is posted on the team site at this link: https://usepa.sharepoint.com/sites/ORD_Work/LVconsolidation/SitePages/HOME.aspx?RootFolder=%2Fsites%2FORD%5FWork%2FLVconsolidation%2FShared%20Documents%2FCHL%20Fume%20Hoods%20%2D%20RAD%20info&FolderCTID=0x0120002862CFA0725B7E4CBCC090C15C128F66&View=%7BD8028B3E%2D37A7%2D4840%2D8C5E%2D829BBC5141D9%7D

Executive Summary info:

Decommissioning activities at the CHL included the disconnection of five chemical fume hoods (CFH), the removal of six CFHs, and the removal of associated ductwork, sink traps, and lead counterweights. Based on the historical activities conducted in the CHL, potential contaminants in the laboratories included perchlorate salts, polychlorinated biphenyls, dioxins, removable and/or fixed radioisotopes, asbestos, lead, mercury, and sodium azide and other azide forming compounds. Decommissioning field activities were supported by extensive radiological surveys, mercury vapor monitoring, and perchlorate field screening. All material removed during decommissioning activities was surveyed and sampled for radiological and chemical characterization purposes. Radiological surveys were conducted on all material/components left in place. Radiological smear samples were collected and analyzed for gross alpha/beta, tritium, and carbon-14 at an off-site laboratory. Chemical wipe samples were collected and analyzed for polychlorinated biphenyls, polychlorinated dibenzodioxins (dioxins) and polychlorinated dibenzofurans (furans), and perchlorate at an off-site laboratory.

No radioactive or hazardous waste was generated as a result of decommissioning activities. The only regulated wastes generated during decommissioning were asbestos-containing material panels removed from four CFHs. Based on the analytical results of the field measurements and samples analyzed by off-site laboratories, disposal/recycle recommendations for all waste generated during decommissioning activities were provided to EPA by Shaw Environmental and Infrastructure, Inc.

2.3 Exhaust Ductwork Removal

The removal of exhaust ductwork proceeded as directed in the decommissioning WP. Ductwork was removed from the six removed CFHs, as indicated in Table 2-1. All ductwork connections were capped with galvanized sheet metal blanks or prefabricated caps after removal. After radiological and perchlorate samples were collected from the exhaust ducts of CFH-104, -111, -116, -117, and -118, the exhaust ducts were removed and blanked off by placing galvanized sheet metal with adhesive over the exhaust openings inside of the CFHs.

Radiological Surveys and Samples. Radiological surveys were performed on the ductwork surfaces. In addition, composite smear/wipe samples of each CFH and its associated ductwork were collected and sent off site to the Shaw Technology Development Laboratory for analysis of gross alpha/beta and tritium (H-3)/carbon-14 (C-14).

2.4 Sink Trap Removal

The sink traps associated with the six CFHs to be removed were monitored, decontaminated, cleaned, and removed as described in the decommissioning WP. A total of four plastic and three glass sink traps from the six CFHs were removed during decommissioning, as indicated in Table 2-1.

Radiological Surveys and Samples. Radiological surveys were performed on the sink traps prior to and after removal. Composite smear samples of each CFH, ductwork, and associated sink traps were collected and sent off site to the Shaw Technology Development Laboratory for analysis of gross alpha/beta and H-3/C-14.

2.5 Chemical Fume Hood Disconnection and Removal

The disconnection and removal of CFHs proceeded as directed in the decommissioning WP.

Radiological Surveys. A detailed radiological scoping survey was completed in December 2007 for the six CFHs scheduled for removal and two of the five CFHs scheduled for disconnection. In order to verify that conditions had not changed, radiological scan surveys were conducted on all 11 CFHs as they were dismantled, including all newly exposed surfaces. Composite smear samples of each CFH and its associated ductwork were collected and sent off site to the Shaw Technology Development Laboratory for analysis.

- In 2007, Todd Baker performed a rad survey of a number of hoods in CHL. His report is also posted on the team site at the same link.
- I have provided a spreadsheet that identifies the fume hoods surveyed and replaced. This spreadsheet and associated reports should probably be included in the supporting documents for the Characterization task/call order.

Background information on the contracting process:

- BPA PWS:
  - CPOD will look over the existing PWS and provide input within the next couple of weeks.
  - Beverly will follow up with Aaron Sprouse to get a EDDP forecast for the Agency out until 2024. – done
  - Beverly will modify the IGCE to include EDDP projects for the Regions out until 2024. The goal is to make sure the contract ceiling is good.
  - PWS will be modified accordingly after the input from the Sources Sought is received. – Sources Sought is out and closes on January 11th.

- Timeline:
  - CPOD anticipates the BPA solicitation will be posted in February.
  - BPA award anticipated in May.

- Call Orders:
  - Any Call Orders that are ready to go can be included in the BPA solicitation in February.
    - The advantage is that we would not have to go through a separate TEP, etc. that would take several more months.
  - If at all possible, we should work to have our Call Orders ready to go by the end of January.
    - Las Vegas Transition (firm fixed price)
      - Complete inventory including identified vendors so the information can be included in the Call Order.
    - Las Vegas EDDP for chemicals (time and materials)
      - Beverly will work with Todd to develop the SOW and quantity take off information
    - Las Vegas Consolidation for RAD (time and materials)
      - Beverly will follow up with OAR

Characterization – Deviation list and associated description:

# 1 Characterization & Decommissioning, QAPP Section 2.2	**Deviations 1 and 3.pdf** Section 2.2 requires the QAPP to be provided to the supporting analytical laboratories and that the QAPP be purged of the site location information. We are requesting to allow the site location to remain and not be redacted.
# 2 N/A	N/A
# 3 Characterization & Decommissioning SAP Section 5.0	**Deviations 1 and 3.pdf** To incorporate surface wipe sampling of the pH neutralization system. More specifically, the interior of the inner sump and the interior of the outer sump will be scanned, direct surveyed, and wiped. One soil sample of the gravel / dirt fill surrounding the inner sump will also be collected and sent for laboratory analysis.
# 4 Characterization & Decommissioning SAP Section 5.4	**Deviations 4-10.pdf** Additional detailed survey of baffles inside QAL 46 hood and wipes sent to laboratory for alpha analysis due to elevated levels identified.
# 5 Characterization & Decommissioning SAP Section 5.6	**Deviations 4-10.pdf** Modification to wall and floor sample collection in some rooms of EAX and QAL due to asbestos containing material (ACM): Walls - remove paint (paint stripper) and composite (room) for gross alpha/beta analysis and scan/direct/wipe the newly exposed surface of the wall Floor - remove top vinyl layer (if present), scan/direct/wipe ACM
# 6 Characterization & Decommissioning SAP Section 5.15	**Deviations 4-10.pdf** Collect up to 10 direct/wipes on the QAL roof.
# 7 Characterization & Decommissioning SAP Section 3.0	**Deviations 4-10.pdf** Change room status for QAL 35 and 42.1 to high.
# 8 Characterization & Decommissioning SAP Section 5.4	**Deviations 4-10.pdf** Collection and analysis of additional samples/media in the QAL 35 floor drain due to elevated levels identified above the investigation level. Laboratory analysis will be for full suite, similar to soil/groundwater samples.
# 9 Characterization & Decommissioning SAP Section 5.8	**Deviations 4-10.pdf** Collect additional wipes inside chemical fume hoods (QAL) along the bottom edge (back panel) and top corners (behind baffle). This will be one 1 wipe for each location inside the hood (2 total) for 9 chemical fume hoods. The chemical fume hood in QAL 46 is not included in this as the hood is already determined to be elevated.
# 10 Characterization & Decommissioning SAP Section 5.12	**Deviations 4-10.pdf** Approach for characterization of ceilings in EAX is to perform a scan with 1 direct/wipe on a single accessible beam in each room of EAX where present. If results above the investigation levels are found then this approach will be expanded to additional beams in the overhead of a room.
# 11 Characterization & Decommissioning SAP Section 5.4	**Deviations 11.pdf** Calibration well wipes not analyzed by liquid scintillation counting following gross alpha/beta analysis.

Thank you,
Beverly