**TOC INCOMING LETTER OF TRANSMITTAL**

- **Vendor/Company Name and Address:**
- **Date:**
- **Subcontract Release Number/Purchase Order:**
- **Transmittal Number:**
- **Project Number:**
- **Project/Contract Title:**

**Check the applicable designation:**
- Hard Copy Submittals
- Electronic Submittals
  - Construction
  - Other

**Electronic Transmittal:** To establish a File Transfer Protocol (FTP) to send and receive vendor material electronically, contact Information Resource Management (IRM). This can be used versus email.

**Vendor is Off-Site:**
- WRPS/Construction & Commissioning Document Control
-Vendor is On-Site:
- WRPS/Construction & Commissioning Document Control

**Vendor is Off-Site:**
- c/o Mission Support Alliance, ATTN: Document Control
- Mail Stop H1-41/P.O. Box 950/Richland, WA 99352

**Vendor is On-Site:**
- WRPS/Construction & Commissioning Document Control
- P.O. Box 850/Richland, WA 99352
- ATTN: Construction & Commissioning Document Control

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**Weekly Report 4.2**

**No Electronic Media Will Come in Password Protected. See SOW/PO for Acceptable Formats**

**E = Electronic** **H = Hardcopy**

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**TOC INCOMING LETTER OF TRANSMITTAL**
WEEK 4.2 REPORT – Li-Cor Calibration

March 27th, 2017

Summary

On March 27th the Mobile Lab was used at CBAL from 7:00 AM to 3:30 PM. During this time the CO₂ gas cylinder was loaded into the Mobile Lab. Also, the Li-Cor CO₂ analyzer was calibrated using the single point span and zero air as per the instructions provided by the manufacturer in the Li-Cor 840A CO₂ Analyzer Instruction Manual (WI-016.00). This calibration was recorded in CBAL-413. Carbon dioxide concentrations used for this calibration were 0 and 1008 ppm.

Additionally, the 25’ heat trace sampling line on the side port interface of the mobile laboratory was installed. The WRPS procedural document, WO#292882, Mobile Lab Stack and Area Monitoring for East Tank Farms, was used as a guide for the installation to ensure that there were no discrepancies between practice and procedure. Sample flow through the heat trace line was verified and then disconnected and the line was stored for future use.

Furthermore, an exhaust line from the ammonia analyzer vacuum pump to the mobile laboratory was connected to the exhaust line to ensure that no vapors are released inside the Mobile Lab. This ensures a 100% flow through the gas handling system from the point of origin to the point of return in the tank farms when sampling stack emissions.
WEEK 4.2 REPORT – Li-Cor Calibration

March 28th, 2017

Summary

On March 28th the Mobile Lab was used at CBAL from 8:00 AM to 4:00 PM. During this time the Li-Cor CO₂ analyzer was recalibrated using the second point span and zero air as per the instructions provided by the manufacturer in the Li-Cor 840A CO₂ Analyzer Instruction Manual (WI-016.00). After data collected from the Li-Cor calibration on March 27th was analyzed, it was determined that another calibration including a second span should be performed to meet the manufacturer’s calibration specifications. Carbon dioxide concentrations used for this calibration were 0, 100.8, and 1008 ppm. A check was performed at 126 ppm. The data from the March 28th re-calibration was analyzed and it was determined that the data conformed to the manufacturer’s specifications. This calibration was recorded in CBAL-413.

Additionally, M&TE materials which had been removed for re-calibration at Energy Northwest were reinstalled in the Mobile Lab. There were 6 items. Table 4.2.2a lists the items as well as identifying numbers and their location in the Mobile Lab.
### March 28th Figures

**Table 4.2.2a**

Table 4.2.2a outlines information about the items that were reinstalled. This information is located in WI-024.00.

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