

TOC INCOMING LETTER OF TRANSMITTAL

Vendor/Company Name and Address:

Date: 4/7/17 Subcontract Release Number/Purchase Order: 61485 Transmittal Number: 005 Project Number: GAL610132 Project/Contract Title: PTR-MS Mobile Laboratory

Check the applicable designation:

Hard Copy Submittals: _____ Electronic Submittals: _____

Construction Subcontract Construction Subcontract

Vendor is Off-Site:

WRPS/Construction & Commissioning Document Control

AWRPS C&C Document Control

ATTN: CDC/Mail Stop S7-68/2704HV/B200K
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Vendor is On-Site:

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** 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.

Submittal Number	Submittal Description	Specification Number	Specification Paragraph Number	Copies E/H	TOC Document Number	Rev	Supplier Document Number	Supplier Rev
005	Weekly Report 4.2							00

E = Electronic H = Hardcopy ***No Electronic Media Will Come in Password Protected, See SOW/PO for Acceptable Formats**

Vendor/Company Representative: JT Furlong Date: 04/07/17
Print First and Last Name

Signature

DCC Receipt Acknowledgement: _____ Date: _____
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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.

M&TE	Model #	Serial #	Unique ID #	Location
Pressure Transducer	1500-0TORR & DPG1000B1500TORRA-30	2555901002	CLS-2555901002	Cabinet
Pressure Transducer	1600-0TORRA&DPG1000B1600TORRA-30	2737901001	CLS-2737901001	Standard Preparation Station
Pressure Transducer	1600-0TORRA&DPG1000B1600TORRA-30	2737901005	CLS-2737901005	Standard Preparation Station
Digital Flow Meter	TSI	40430934008	CLS-40430934008	Gas Manifold
Mass Flow Controller	FMA-2605A-TOT	22790	CLS-22790	Cabinet
Mass Flow Controller	FMA-2605A-TOT	29005	CLS-29005	Standard Preparation Station