

Phase I Trimble County Landfill & CCRT Project Quarterly Report – Update #9 April 30, 2018

Executive Summary

This report covers LG&E and KU's ("Companies") progress on the Phase I Trimble County Landfill and CCRT¹ Project through the first quarter of 2018.

Safety performance to date remains very good with a year-to-date Recordable Incident Rate of 1.13 and an inception-to-date Recordable Incident Rate of 1.03 compared to the industry average of 3.20. One recordable occurred on January 16, 2018 when an AMEC subcontractor employee slipped on ice. While the employee did not report the incident the day he stated it occurred, the employee did receive an injection for pain by a physician two days after the slip, thus making this accident a Recordable.

The Project's total forecasted cost remains \$301.9 million (net)², which reflects a reduction from \$321.9 million (net) as provided in Case 2015-00194. The forecast reflects that the Companies have awarded all major Engineering, Procurement and Construction ("EPC") contracts required to complete the Project. Total spend to date has increased from \$182.1 million (net) to \$194.2 million (net) through March 31, 2018.

As previously reported, all necessary permits to construct the Project have been received. The forecasted period for commissioning the CCRT Fly Ash and Gypsum subprojects remains the summer of 2018 as originally planned. The Project background information (i.e., scope, contract awards, conceptual design layouts, and permitting status) is located in the Appendix.

Construction of the CCRT subproject continues to progress very well to plan with most work now focused on the setting of equipment and installing the various mechanical and electrical subsystems. Construction on the CCR Transport subproject scope during the quarter has consisted of rock blasting and major earthmoving efforts for the roadway corridor from the generating station to the future landfill site. AMEC's subcontractor, Louisville Paving, a local company, has completed installing pile foundations and placed the girders for the bridge over KY 1838. Construction on the Landfill subproject scope continues by Charah, a local company. Charah is maintaining the site erosion control measures, continues clearing trees, stripping and grading slopes, and blasting associated with landfill leachate and storm-water basins. The record rainfalls during February have affected construction progress on the Transport and Landfill subprojects consuming some of their schedule float; however, the forecasted end date of the subprojects has not changed.

¹ The Coal Combustion Residuals Treatment ("CCRT") subproject scope is described in detail in the Appendix found on page 14.

² Co-Owners of the Trimble County plant: Illinois Municipal Electric Agency (IMEA) and Indiana Municipal Power Agency (IMPA) are responsible for 25%. IMEA owns 12.12% and IMPA owns 12.88%. Co-owner share is not included in the costs provided in this report.



CCRT & Transport Quarterly Status Update

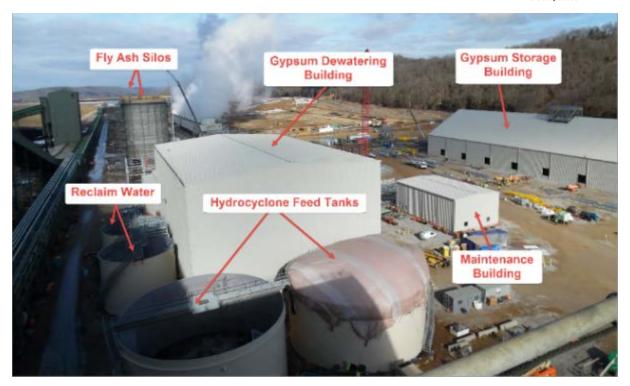
The Companies continue to hold project review meetings with AMEC. Activities at weekly project engineering and construction meetings include the review of general arrangements, 3D models, construction plans and schedules, and final equipment installation and commissioning planning. The procurement and construction status for the major equipment is summarized in the table below:

Equipment	Awarded Contractor	Status	
Unit 1 Bottom Ash Submerged Chain Conveyor	United Conveyor Corporation	Equipment placed into service in November 2017 as planned	
Fly Ash Conditioner and Conveying System	United Conveyor Corporation	Equipment Delivered Construction in progress and on schedule	
Gypsum Dewatering Vacuum Belt Filter System	FLSmidth	Equipment Delivered Construction in progress and on schedule	
Gypsum Portal Scraper Reclaimer	Ameco (same vendor as Ghent's portal reclaimer commissioned in December 2014)	Equipment Delivered Construction in progress and on schedule	
Pipe Conveyor	Beumer Group (same vendor as Ghent's pipe conveyor commissioned in December 2014)	Equipment being delivered Construction of support foundations in progress	

AMEC, with involvement from the Companies, continues to receive equipment and materials, and is nearing completion on engineering with engineering primarily focused on the electrical control design/programming. The CCRT scope continues to progress well with construction focused on equipment installation, erection of various CCRT buildings, construction of underground electrical duct banks, erection of conveyor belt assemblies, installation of electrical switchgear, transformers and motor control centers, installation of air compressors and associated piping, setting the fly ash and gypsum dewatering equipment and piping, finalizing construction of the fly ash silos, stair tower and elevator, and installation of the distributed controls system remote input and output logic and graphic equipment. Installation, testing, and energization of the first half of the 14kv CCRT Power Center was completed during the quarter.

The CCR Transport scope is also progressing well. During the reporting period, AMEC and their subcontractors continued major earthwork activities. AMEC's subcontractor, Louisville Paving, completed installing the bridge foundations and set all girders for the bridge over KY 1838. They also continued blasting operations for rock excavation for the future access road corridor. AMEC has begun receiving pipe conveyor parts from Beumer.



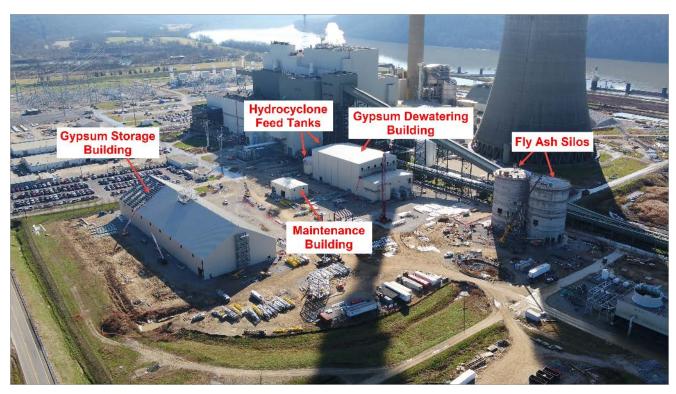


CCRT Project Area Looking North – Photo from the January 2018 Report



CCRT Project Area Looking North - Current





CCRT Project Area Looking South – Photo from the January 2018 Report



CCRT Project Area Looking South - Current





CCR Transport Corridor – View to Bridge over KY 1838 and Station (Looking West) – Photo from the January 2018 Report



CCR Transport Corridor – View to Landfill from Station (Looking East) –
Photo from the January 2018 Report





CCR Transport Corridor – View from Bridge over KY 1838 to Landfill (Looking East) – Current



Landfill Quarterly Status Update

Charah continues to receive deliveries of landfill infrastructure components including concrete culverts, storm-water PVC piping, and rock. Charah and its subcontractors continue clearing trees, blasting of rock, and have begun major excavation and construction of the access road to the ravine landfill lower work area (i.e., sediment pond, storm-water pond, leachate pond).

The Companies' Transmission department completed the relocation of the 345kV transmission line over the landfill area as planned. AMEC Foster Wheeler Environment & Infrastructure's construction quality assurance activities for the landfill this quarter includes visual inspections, attending meetings, reviewing informational submittals and drawings.

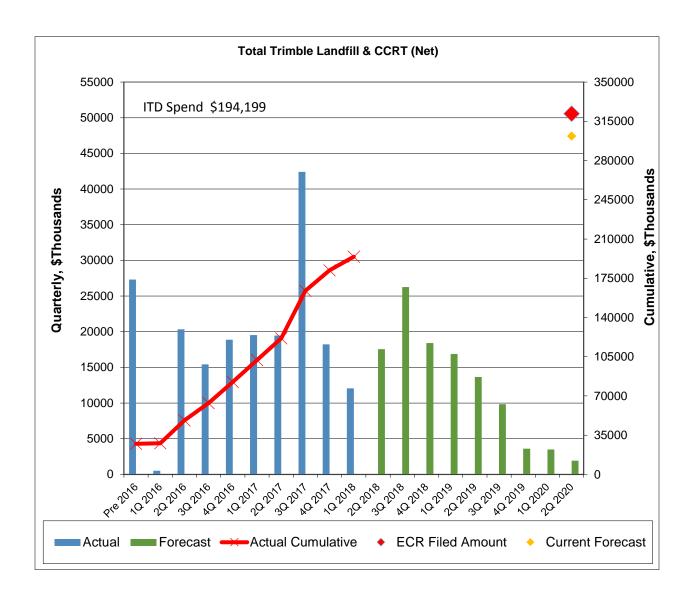


CCR Landfill Overview – View from Station (Looking East) – Current



Financials

The Project's total forecasted cost remains \$301.9 million (net) as reported previously, which reflects a reduction from \$321.9 million (net) as provided in Case 2015-00194. The forecast reflects all major EPC contracts being signed that are required to complete the Project. Total spend to date has increased from \$182.1 million (net) to \$194.2 million (net) (KU \$87.9M / LG&E \$106.3M) through March 31, 2018. Note for the graph below: (1) includes a symbol (♦) to show the current forecast to completion; and (3) Inception-to-Date (ITD) Spend is shown in the upper left corner.





Planned Activities for Next Quarter

CCRT

In coordination with the Companies' Owner's Engineer ("OE"), Burns & McDonnell ("B&McD"), review of AMEC's engineering and procurement documents will continue. AMEC will continue receiving equipment and material during the second quarter. AMEC's site activities will include continued construction of underground electrical duct banks, siding and roofing for buildings, setting of equipment, and erection of process and handling equipment assemblies. Planning for the summer commissioning of the various systems will continue.

Transport

AMEC's subcontractor, Louisville Paving, will begin installing decking for the bridge over KY 1838, as well as continue to perform earthwork activities for the future road from the generating station to the landfill.

Landfill

Charah will continue with tree clearing, major earthwork and blasting activities associated with Phase I landfill construction. While no land purchases were made during the first quarter of 2018, the Companies continue to pursue the purchase of land within close proximity of the landfill. The acquisition of this additional land will facilitate future clay or soil borrowing for the long-term operation of the landfill and provide a further buffer area between local residents and landfill operations.



APPENDIX

Scope

The Trimble County Landfill and CCRT Project scopes include: CCR Treatment facilities, CCR Transport system, and Phase I of a dry CCR Landfill.

The CCR Treatment facilities include the Unit 1 bottom ash dewatering system, conversion of station fly ash transport from wet to dry conveyance, fly ash storage and treatment equipment and the station gypsum dewatering system and associated gypsum storage/reclaim system. The CCR Transport system includes a pipe conveyor (approximately 1.5 miles) from the CCR Treatment area to the landfill location, a bridge over KY 1838, and a road from the station to the new dry CCR landfill. The CCR Landfill includes Phase I of a new dry CCR landfill that is designed to receive and manage CCR generated over approximately 37 years. The Landfill will be developed in multiple phases with each fully integrated as an extension of the adjacent landfill phase or cell. Only Phase I is included in the CCRT and Landfill project with this certificate of public convenience and necessity awarded in Case Nos. 2009-00197 and -00198 and affirmed in Case No. 2015-00194.

Previously Reported Contract Awards

The CCRT Owner's Engineer contract was awarded to B&McD. B&McD has supported various projects for LG&E and KU, and recently supported the Trimble County Unit 1 PJFF capital project. B&McD assisted in the specification development for the CCRT and bottom ash scopes of work, and assisted in the bid evaluations and EPC finalization.

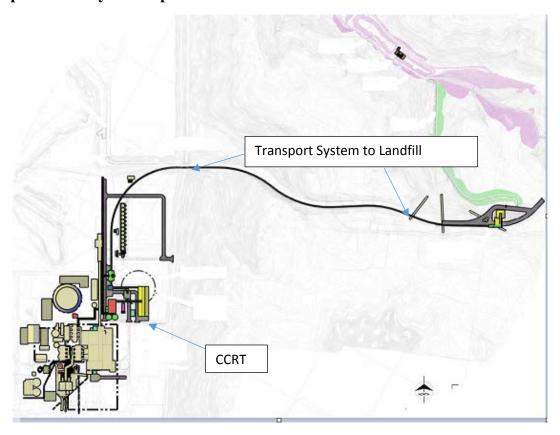
The Landfill Owner's Engineer contract was awarded to GAI. GAI has been the Engineer of Record through the permitting and landfill design phases, as well as the engineering firm that developed the specifications for the road and bridge work.

The CCRT and Transport portion of the project was awarded to AMEC. An EPC was executed with AMEC on April 7, 2016. AMEC has performed very well for the Companies in the recent past with completion of the E.W. Brown Unit 3 and Trimble County Unit 1 baghouse projects. AMEC has also been awarded the CCR Rule Process Water System projects for Trimble County and Mill Creek generating stations.

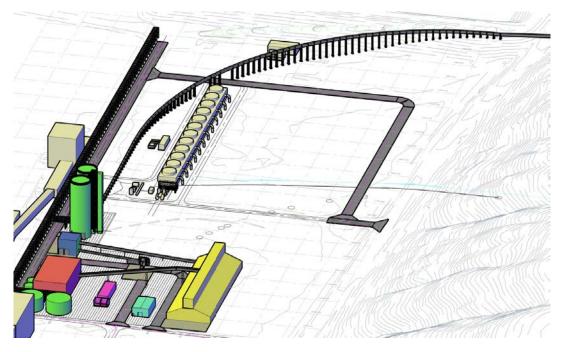
The Phase I Landfill portion of the project was awarded to Charah, a local company. Charah has previously completed successful projects for the Companies, such as the Ghent and E.W. Brown Landfill Phase I projects.



Conceptual Site Layout Graphics



Graphic 1 - Conceptual Layout of the CCRT and Transport System



Graphic 2 - Conceptual 3D Site Layout of the CCRT



Table 1 - Landfill Permitting Status

Required Regulatory Permit	Submitted	<u>Date Submitted</u>	<u>Date Received</u>
Kentucky Division of Waste Management Landfill Permit	Yes	January 3, 2014	February 2017
US Army Corps of Engineers 404 Permit	Yes	April 25, 2014	June 28, 2017
US Army Corps of Engineers Nationwide Permit (Monitoring Wells)	Yes	September 9, 2013	September 2014
Kentucky Division of Water 401 Water Quality Certificate	Yes	April 25, 2014	October 24, 2016
Kentucky Division of Water Dam Safety Permit	Yes	<u>February 15, 2016</u>	<u>August 2016</u>
Kentucky Transportation Cabinet Bridge Permit	Yes	January 30, 2014	February 2015
Kentucky Division for Air Quality Title V Revised Air Permit	Yes	October 12, 2015	December 2015

Note: The underlined dates reflect updates from Application Exhibit 3 in Case No. 2015-00156 filed on May 22, 2015, which the Commission by order later consolidated into Case No. 2015-00194.