UNIVERSITY OF TEXAS ARLINGTON | DEPARTMENT OF CIVIL ENGINEERING

September 20, 2016

Dear AASHE:

Since 2009, the University of Texas at Arlington has collaborated on 6 projects with the City of Denton Landfill, worth a total of over $1.6 million, including:

- "Instrumentation and Performance Monitoring of Leachate Recirculation Systems in ELR Landfill"
- "Monitoring of Settlement and Temperature of Solid Waste in ELR Landfill"
- "Performance Monitoring of Landfill Gas Collection System and Estimation of Landfill Gas Emission"
- "Performance Monitoring of Leachate Recirculation Systems in ELR Landfill"
- "Installation and Performance Monitoring of ET Cover System" (on-going)
- "Sustainable Waste Management – Landfill Mining Operation and Monitoring" (on-going)

Enhanced leachate recirculation (ELR) involves recirculating leachate and/or adding water to achieve an optimal water content to promote microbial decomposition of organic waste. Benefits of ELR include faster recovery of landfill volume, which can be used for additional waste, and faster production of landfill gas as a renewable energy resource. Landfill mining aims to recover recyclables such as paper, glass, and plastic, which have been disposed of in the landfill.

If you have any questions about these projects, please contact me at 817-272-5410 or sattler@uta.edu.

Sincerely,

Melanie Sattler

Melanie Sattler, Ph.D., P.E.

DEPARTMENT OF CIVIL ENGINEERING
The University of Texas at Arlington Box# 19308 416 Yates Street 425 Nedderman Hall Arlington, Texas 76019-0308
T 817-272-5055 F 817-272-2630 www.uta.edu/ce