



Media Release

Three Rivers Solid Waste Management Authority Leachate Evaporation Project Receives ACEC Grand Conceptor Award for Engineering Excellence

JACKSON, MISSISSIPPI (June, 2021) – The American Council of Engineering Companies of Mississippi (ACEC) awarded FC & E Engineering LLC and Mid-South Consulting, Inc the prestigious 2021 Grand Conceptor Award for engineering excellence for the design of the leachate evaporation facility at the Three Rivers Solid Waste Management Authority landfill in Pontotoc, MS.

FC & E is a full service environmental and engineering firm which provides a broad range of civil and environmental engineering services to clients in the southern and southwestern United States. FC & E worked closely with Heartland Water Technology Inc, the manufacturer of the CoVAP™ leachate evaporation system, to deliver the project for the Three Rivers Solid Waste Management Authority.

Each year ACEC selects one Grand Conceptor award winner to celebrate the most unique, innovative, and socially impactful engineering project of the year. For 2021, ACEC selected the Three Rivers Leachate Evaporation Facility as the most outstanding engineering project. The facility evaporates over 25,000 gallons per day of leachate on-site, enabling the Authority to reduce costs and establish control over its leachate management. CoVAP™ is cogeneration for industrial evaporation. By selecting the proven Heartland Concentrator to design a system which beneficially reuses previously wasted exhaust from a 1.2 MW landfill gas-to-energy generator (2013 ACEC Grand Conceptor Award), the project is removing trucks from the road and delivering an environmentally friendly and cost effective solution.

Calvin Abernathy of the project team described the economic and environmental impact, “This was truly a great project that demonstrates that being “green” can be cost effective as well. This award would not be possible without the Heartland Technologies Concentrator as this is an engineering masterpiece by itself.”

Said Jon McDonald, Operations manager for Three Rivers, “Controlling our own destiny, both in terms of our technology roadmap and our long-term operating costs, is an important goal for Three Rivers. Our leachate evaporation plant and the hybrid CoVAP™ Configuration of the Heartland Concentrator has enabled us to do just that.”



About Three Rivers Solid Waste Management Authority

Three Rivers Solid Waste Management Authority (TRSWMA) was established in 1992 as a regional solid waste management agency to promote good environmental stewardship, fiscal responsibility, local government problem solving and regional cooperation. The Authority's mission is to supplement local government solid waste management services to promote efficient and environmentally responsible waste handling and disposal while not supplanting local control and authority. The seven-county region consists of Pontotoc, Itawamba, Lee, Monroe, Union, Lafayette and Calhoun Counties in northeast Mississippi.

About FC & E Engineering

FC&E Engineering is a full service environmental and civil engineering firm. We have performed projects throughout the southeast, southwest and middle United States. We have realized consistent growth in all areas since 2004 to now being one of the top ten environmental consulting firms in Mississippi. Our engineering firm is dedicated to serving clients and helping them achieve their growth goals while maintaining compliance with environmental regulations.

FC&E provides environmental and civil engineering services to a broad range of clients including chemical production, energy, wood products, manufacturing facilities, wastewater treatment, healthcare facilities, universities, petroleum product operations, and select state and federal agencies. Our team provides engineering, project management, environmental permitting and compliance assistance, as well as construction storm water management for any size project.

About Heartland Water Technology

Heartland Water Technology, Inc. (www.heartlandtech.com) develops innovative solutions for treating the world's most challenging wastewaters. Its proprietary direct contact wastewater evaporation solution, the Heartland Concentrator™, has a proven track record of successfully treating a wide range of industrial wastewaters. Heartland has delivered its simple, robust, reliable and cost-effective technology to industrial and municipal customers from Virginia to Alaska. Heartland's proprietary and patented CoVAP™ configuration for using exhaust heat from power generation equipment drives down operating costs and consistently delivers the lowest life-cycle cost to treat.

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