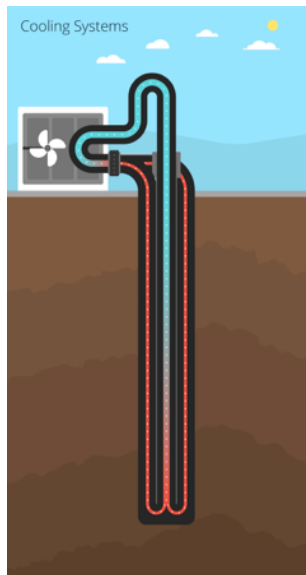


Bridgeton Landfill LLC

Major Reductions in Subsurface Temperatures Credited to Innovative Heat Extraction System

BRIDGETON, MO (June 9, 2017) — The Bridgeton Landfill team today marked the first anniversary of a major expansion of the site's Heat Extraction System. The proprietary system has reduced subsurface temperatures by as much as 50 percent in nearby temperature monitoring locations.



Located in the "Neck" area, between the site's North and South Quarries, the Heat Extraction System is engineered to circulate temperature-treated water through 28 closed-loop lines, or cooling points. The chilled water extracts heat as the water circulates through the closed loops and returns the warmer water to a chiller for re-cooling and re-circulation. Cooling points vary in depth up to 180 feet beneath the surface level. They represent an additional tool to further contain the heat generating subsurface reaction, which is isolated to a portion of the South Quarry.

The Landfill team first introduced the Heat Extraction System as a pilot program in the fall of 2013. Based upon early success, the original pilot program was expanded in June 2015. In April 2016, the Landfill team and the U.S. Environmental Protection Agency agreed to more than double the system. Learn more about the science behind the Heat Extraction System at: <http://www.bridgetonlandfill.com/science/heat-extraction>.

Weekly Work Update

In the past week, the Landfill team continued installation of the EVOH geomembrane cover over portions of the North Quarry, as well as performing maintenance on two liquids collection pumps. In addition, the team performed routine maintenance on the Landfill's gas and stormwater systems. Leachate continues to be discharged directly to the Metropolitan St. Louis Sewer District.

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