Innovative Environmental Technologies, Inc.

# Mobile FBR/SBR Treatment System

IET's treatment trailer will continuously extract, treat and inject the source area waters for a predetermined period of time via a preprogrammed PLC, at a flow rate between 6 and 10 gallons per minute. The source area's water shall be cycled through the trailer system and recorded in the system's database. The treatment system also has the capability to be monitored from a remote monitor via a website.

IET's mobile, compact FBR/SBR system elevates the extracted water temperature to 85 degrees Fahrenheit thus reducing the necessary retention time. Water enters the fluidized bed biological reactor, which utilizes a 15/40 GAC as a support matrix. Fluidization occurs at 12-gallons/square foot. The GAC absorbs and desorbs the targeted contaminants, allowing for biofilm development and maintained micro-equalibria around each particle. From the FBR, water flows through a two stage SBR and is then returned to the source area via a series of injection wells.