



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029**

January 15, 2021

Mr. Jonathan Dziekan
Tetra Tech, Inc.
One Oxford Valley, Suite 200
Langhorne, PA 19047

RE: Rule Authorization (PA eFACTS Primary Facility ID Number: 820145)
Ridge Run PFAS Hazardous Sites Cleanup Act Site
1419 Bethlehem Pike
West Rockhill Township, PA 18960

Dear Mr. Dziekan,

We have received your request, dated January 13, 2021, to perform groundwater remediation activities for the Ridge Run PFAS Hazardous Sites Cleanup Act Site. This facility is located at 1419 Bethlehem Pike in West Rockhill, Pennsylvania. Tetra Tech, Inc., on behalf of Telford Industrial Development Authority, proposes to perform a pilot study application of PlumeStop® to create a permeable reactive barrier (PRB) to prevent further migration of Perfluorooctanesulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) from the source area. PlumeStop® Liquid Activated Carbon is an innovative groundwater remediation technology designed to rapidly remove and permanently degrade groundwater contaminants. Once contaminants are sorbed onto the regenerative matrix of PlumeStop®, biodegradation processes achieve complete remediation at an accelerated rate. In-situ injection of the PlumeStop® will take place within four (4) open borehole injection wells utilizing an inflatable straddle packer system. The straddle packer system will isolate up to six (6) target treatment zones. It is proposed that 2,800 lbs of PlumeStop® be injected via four (4) injection wells. The nearest water supply well is located approximately 200 feet from the proposed injection wells, and the application of PlumeStop® is not expected to have negative effects on this well. The injection event is anticipated to last four (4) days. The Pennsylvania Department of Environmental Protection (PADEP)'s Colin R. Wade is overseeing this project.

The subsurface emplacement of fluids through injection wells is regulated by the Underground Injection Control (UIC) Program. In Pennsylvania, the U.S. Environmental Protection Agency (EPA) directly implements the UIC Program. Based on the information provided, we do not believe that the proposed injection will cause an adverse impact to the ground water. You may therefore proceed with your plan. Please notify our office when the project is completed and the injection wells are taken out of service and plugged.



EPA approval or “rule authorization” of the injection wells are contingent upon operator compliance with all applicable state and local requirements. We appreciate your cooperation in these matters and the opportunity to address these issues with you. If you have any questions, please contact me at hancharick.ryan@epa.gov or (215) 814-3278.

Sincerely,

Ryan Hancharick

Ryan Hancharick
Drinking & Source Water Protection Branch
Source Water & UIC Section

cc: Colin R. Wade, PADEP

