

**Mcclennen, Bonnie**

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**From:** Sarah Caspar <[REDACTED]>  
**Sent:** Monday, November 8, 2021 10:54 AM  
**To:** EP, SERO ECB  
**Subject:** [External] Bishop Tube proposed RI

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Several key points.

1. Bishop Tube, Malvern, Chester County operated from 1950-1999. Such an operation requires acids (HF which are present),

Trichlorethylene (TCE) present and solvents such as PFAS (perfluorinatedcarboxylicacids)

TCE is a carcinogen among other toxic health effects; PFAS are also carcinogens as well as other serious health effects (thyroidism, immune suppression, gastrointestinal disease, endocrine disrupters). Added to these effects, these forever chemicals are soluble in every thing where TCE is not. And we have not found a way to destroy them. Thermal treatment created smaller versions.

TCE is a DNAPL which means it is heavier in water and has a slight aqueous phase. So what you sample at the surface is not a true picture. TCE is semivolatile so that it has an gaseous phase which permeates soil, air and water.

PFAS permeates all phases.

There is no mention of sampling for PFAS but it must be sampled for because it is being found everywhere, in human samples, in streams, in soil and in air.

Cancers:

Children continue to die from brain tumors in the Gen. Warren Village and adults continue to die of cancer.

One unsuccessful attempt at sparging was made but nothing since.

Requirement:

Topographical map with lat and long showing the locations of samples collected, their relationship to the site and their depth.

A Hydrogeological Study of the area: detailing the gneiss, karst and sandstone in the area typical of a former sea bed and typical of an area where contamination travels.

RE: topography and hydrogeology, no extent of contamination has been determined either as to depth or distance. Therefore there is no determination as yet of The Site.

There are so many failures or lacks of appropriate actions from PADEP that for the sake of those living near the not yet determined extent of contamination site, I recommend that the Site be turned over to US EPA Region 3 in the hope that the residents may finally find some protection that they can count on.

As to Act 2. It is not capable of doing what is necessary to achieve the necessary protection nor is it able to bring the PRPs inline to do the work , nor provide the necessary oversight.

Added to all this is the fact that it has been 21 years since PADEP and Act 2 took over.

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