



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

Colonel Howard Eissler  
111<sup>th</sup> Attack Wing Commander  
Horsham Air Guard Station  
1120 Fairchild Street  
Horsham, PA 19044

April 1, 2016

RE: Horsham Air Guard PWS ID No. PA1460045  
SDWA-03-2015-0131DS (Emergency Order)

Dear Colonel Eissler,

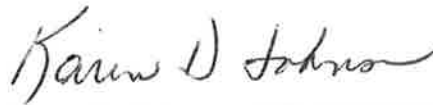
During a conference call between the Air National Guard, Horsham Water and Sewer, EPA, PADEP, and Horsham Township officials, on March 30, 2016, we learned that the ANG was considering taking the two public wells out of service on the base. I am writing to clarify our concerns regarding the potential endangerment to the ground water resources in and around the Willow Grove ANG facility, if these wells are turned off. We'd originally understood through your progress under the Emergency Order, that the long term plan was to continue the use of bottled water for all consumption, but continue use of these wells for all other domestic purposes on the base until treatment could be installed. After treatment is installed, then these wells would provide treated water to both the base and supplement the Horsham Water system network.

These wells currently highest the highest known concentrations of PFOA and PFOS (PFC's) in the vicinity, and their continued pumping is essential for plume containment. Studies completed by the U.S. Geological Survey indicate these wells are hydraulically connected to additional wells operated in the vicinity of the ANG property, including both Horsham and potentially the Warrington public water supply wells. Therefore, the concentrations of PFC's could increase off base if these wells are shut down. We understand that the pumping of these wells to the Horsham Publicly Owned Treatment Plant (POTW) can adversely affect the concentration of PFC's in the effluent from the plant, and that the ground water and other public water wells might also be negatively impacted by this discharge downstream of the treatment plant effluent; therefore we request that you expedite treatment of the base drinking water wells. In accordance with the Section VI, Paragraph 41.c., EPA may require remediation at the facility to eliminate the discharge of PFC's to ground water or surface water. Again, this is for both protection of the aquifers directly supplying public and private wells, as well as protection of the surface waters that potentially recharge aquifers down stream. Since PFOS and PFOA are highly persistent, the Horsham POTW has no current capability to remove these chemicals, so they pass through with dilution as the only reduction. We also encourage continued investigation, through the on base investigation, to limit as much as possible, any storm water discharge from the drainage basin on



the facility to the tributary offsite. Thank you for your continued cooperation in these matters, if you have any questions please contact me at 215-814-5445.

Sincerely,

A handwritten signature in black ink, appearing to read "Karen D. Johnson". The signature is written in a cursive style with a large initial "K".

Karen D. Johnson, Chief  
Ground Water and Enforcement Branch

Cc: Richard P. McCoy, Environmental Restoration  
Lieutenant Colonel Jacqueline Siciliano, Air National Guard  
Roger Reinhart, EPA