



January 8, 2020
Via email only

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Lisa Senior, P.G.
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Dear Willie and Lisa,

Thank you for the opportunity to attend the USGS Groundwater Regional Model preview on December 3, 2019. I also viewed the presentation, together with an Authority consultant at the RAB meeting the following day. This letter is to request a technical meeting with the Navy and USGS to discuss the following:

- The Authority's September 6, 2019 letter, enclosed
- HWSA has prepared a groundwater analytical model for the delineation of Wellhead Protection Areas (WHPAs) surrounding the Authority's supply wells. Our WHPA model yields flow paths that are inconsistent with the USGS model. As such, we are requesting an opportunity to compare our model to that of the USGS. Though the Authority had numerous wells out of service between 2017 and 2019, we have reached equilibrium in our operations with regard to ongoing pumping of Wells 2, 4, 19, 20, 22, 26 and 40. Well 6 has been out of service since 2009 and will remain in a reserve status. As of September 2019, Wells 1 and 3 were formally placed in a reserve status and Wells 7 and 9 went into standby status and are generally only pumped briefly once a week for equipment exercise and water quality monitoring. Wells 10 and 17 are currently pumping but will be temporarily suspended at some point in 2020 for the installation of permanent treatment for PFAS removal. Well 21 is currently out of service pending treatment installation, also anticipated to occur in 2020. All three wells, 10, 17 and 21, will ultimately be among the wells that will be pumped on a daily basis as part of our routine operations. Accordingly, we believe that groundwater modeling at and surrounding NASJRB should consider the ultimate pumping scenario described above as continuous given that reductions and/or temporary suspensions in pumping at HWSA wells will occur relatively infrequently and therefore would not be representative of long-term groundwater withdrawal

Kindly provide a response and/or acknowledgement of the comments above and please let us know of your availability for a technical meeting with HWSA and its consultants during the first quarter of 2020. We appreciate your active involvement of the Authority in this ongoing investigation.

Very truly yours

Tina M. O'Rourke
Business Manager

cc: Board Members
Theresa Funk, P.E.
Toby Kessler, P.G.
Rocco Mercuri, P.G.
Sarah Kloss, EPA
Roger Reinhart, EPA
Colin Wade, PADEP
Keith Freihofer, NGB/A7OR Environmental Restoration Program Manager
Michael Shannon, Resolution Consultants (AECOM/Ensafe Joint- Venture)
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