

THE SPECIAL MEETING WAS HELD BY THE VIRTUAL MEETING ZOOM PLATFORM AND IN PERSON ON TUESDAY, MAY 10, 2022, IN THE CONFERENCE ROOM AT 711 BIRKBECK STREET, FREELAND, PA. PRESENT WERE MR. KAVITSKI, MR. FISHER, MR. THOMAS, MR. TIERNEY II, MR. CLYMER, JOSEPH BLUGE AND STACI HARTZ (ENGINEERS OF HRG, INC.) THE ATTORNEY AND THE SECRETARY.

SALUTE TO THE FLAG

CITIZENS PARTICIPATION

No citizens were present.

WATER SYSTEM DISCUSSION

Mr. Jay Lynch, Hydrogeologist of Meiser & Earl, Inc. started the meeting regarding the Susquehanna River Basin Commission (SRBC) - Well #11 grandfathering registration. SRBC stated Wells, 4, 6 and 10 are eligible for the grandfathering and will be granted based on the highest historical 30-day average withdrawal. Well 4 is 58,000 gpd, Well 6 is 40,000 gpd, and Well 10 is 145,000 gpd.

Mr. Kavitski thought these figures seemed low and Mr. Lynch stated the highest averages were from 2010 and December of 2011.

Mr. Kavitski would like to recheck these figures to be sure of the accuracy prior to submitting the information to SRBC.

Mr. Lynch stated Well 10 can pump more which it showed when the step test was completed.

Ryan Smith, Technical Manager has spoken to Trent at SRBC. He informed Trent, the Authority would be meeting with Mr. Lynch, and would collect the data Trent requested shortly.

Mr. Lynch informed the Board, Well 11 is not eligible for grandfathering registration because it was drilled and put into service after 1978, the official year, the groundwater regulations went into effect with the commission. Options would limit Well 11 to below 100,000 gpd or make a groundwater application to the commission for review and approval. This Well can produce 200 gallons per minute, and it was originally given an emergency permit. With the step pump test history, Well 11 could produce more water and the Authority should request time from the SRBC to complete more research.

Mr. Lynch suggested a current pump test to compare the data, SRBC will want to see documentation regarding the pump test prior to completing a groundwater application. Mr. Lynch recommends an 8-hour step test for Well 11. (Reference 2362-A).

Mr. Fisher inquired if in an emergency, could the Authority pump more water out of the Well than allotted and the answer is no. Mr. Lynch stated the Authority would need to apply for an emergency certificate.

Mr. Kavitski made the motion for the 8-hour step test on Well 11 and Mr. Fisher second. Vote 5-0.

Manganese level is currently .05 which may be lowered by DEP. Well 6 is a well to investigate a green sand filter system to remove the manganese. Well 6 is a very good producer of water especially in drought situations.

All Wells have water level sensors except for Well 6. All records are on the Authority server and Mr. Lynch will have access to this data.

Mr. Lynch discussed Well 10 Step Drawdown Pumping Test from April 26, 2021, at 150 gpm the Well has water levels above 105 Feet deep for over 180 days. According to this test, Well 10 can be pumped at a higher rate than how it is being used now. It can produce 178 gallons per minute. (Reference 2362-B).

Mr. Kavitski inquired about setting the low limit at Well 10 at 100 feet and run at 150 for a couple of days and Mr. Lynch will look over the data and watch to see how the Well reacts.

Test Well #4 – GHD report had two pumping tests 2016 and 2017, the reports are completely different. There are two wells within 15 feet of one another. The first well was 320 feet deep and pumped 100 gpm, but the casing could not be removed. The final well was drilled, pump tested, water levels kept dropping, with a result of 100 gpm. Mr. Lynch is thinking the second pump test was done on the wrong well since

both are close together. One well is only 325 feet deep, and the borehole video of the other well is five hundred feet deep per Mr. Lynch.

Mr. Kavitski stated if the well is five hundred feet deep and water quality is good, why investigate drilling another well, when one is complete. DEP will want the Authority to decommission the wells if they are not used.

Mr. Thomas wants to investigate this well and have testing done. The Authority will contact Leib first and Kohl Bros. second, whomever is available first and Mr. Lynch will contact them.

Mr. Clymer made the motion for a pump test in the five hundred foot well and Mr. Thomas second. Vote 5-0.

Ryan Smith, Technical Manager will have Brittany Caskey, GPS test well #4.

Upper Lehigh Property – Mr. Lynch did a Fracture Trace Analysis with two potential sites. Mr. Lynch stated UL #1 and UL #2 are the two best sites on the map. UL #2 needs to be 100 to 400 feet beyond the buffer zone per DEP. An aerial photo determined fractures per Mr. Lynch.

Mr. Lynch recommended doing the step test on Test Well #4 first and if that does not work properly than investigate the Upper Lehigh area.

Mr. Kavitski would like to speak with Pagnotti Enterprises regarding the property line by Well #17 and consider tank area around Oak Street. Mr. Thomas suggested considering purchasing the “kayak” area below the Wastewater Treatment Plant.

Mr. Kavitski wants to obtain a centimeter grade GPS handheld for Brittany Caskey for more accurate GPS readings at next week’s meeting.

Mr. Kavitski recapped the meeting:

Well 11- 8-hour pump test – Authority will handle

Test Well #4 – Mr. Lynch to speak with Leib Drilling about pump test

Well 10 – Run at 100 gpm with low level alarm and send data to Mr. Lynch

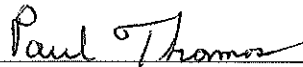
Well 4, 6, and 10 – Mr. Lynch will contact SRBC with information

Mr. Fisher inquired the approximate cost of a green filter with chlorine for Well 6 and Mr. Kavitski thought it would cost \$150,000 to \$200,000 which would be the filter system and a building. Mr. Kavitski asked HRG to have Josh Fox obtain an estimate for a green filter system.

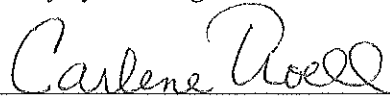
ADJOURN

Mr. Fisher made the motion to adjourn the meeting and Mr. Tierney second. Vote 5-0.

These minutes are certified true and correct to the best of my knowledge.



Paul Thomas, Secretary



Carlene Troell, Non-Member Secretary