MINUTES
Springville Water Advisory Board Meeting – JANUARY 9, 2020

MINUTES OF THE SPRINGVILLE WATER ADVISORY BOARD MEETING WAS HELD ON THURSDAY, JANUARY 9, 2020 AT 6:30 A.M. AT THE SPRINGVILLE CIVIC CENTER, 110 SOUTH MAIN, ROOM 217, SPRINGVILLE, UTAH.

Committee Members in Attendance: Rollin Hotchkiss, Alton Beck, Nile Hatch, John Clemons, Rod Andrew, Calvin Crandall, Cl. Craig Jensen

City Staff: Brad Stapley, Marcie Clark, Juan Garrido

CALL TO ORDER

Mr. Hotchkiss welcomed everyone and called the meeting to order.

APPROVAL OF THE MINUTES

Mr. Beck made a motion to approve the November 14, 2019 minutes. Mr. Crandall seconded. All were in favor.

COMMITTEE BUSINESS

1. 400 S. Well #2 Update – Mr. Stapley explained that we are still waiting for the State to give us permission to start the well. Zane Tonlins was working with us, but he is no longer with the State – his VISA expired and he went back to Australia. Someone else is supposed to pick up the task and approve it. We currently don't need the water, so we are being patient.

2. Bartholomew Tank Replacement Status – Mr. Stapley displayed pictures of the tank demolition. The project is going well. We are using the penstock as a tank to supply water - about 1100 gpm for canyon users. The springs are running directly into the penstock. We replaced a valve that was broken. The new tank will be lower, but will hold the same amount of gallons. It will be concrete instead of steel and hold the same number of gallons. The new structure will hold up to avalanches better. Mr. Barker found that the average use (in the canyon only) is 29 gallons per minute. We are still looking at generating power at a lower capacity at Rotary Tank. Mr. Hotchkiss asked how long the valve had not been exercised. Mr. Stapley didn't know if it had ever been shut off. He said the City implemented a program years ago to exercise valves regularly. Mr. Hotchkiss mentioned a nationwide problem of not exercising valves on dams.

   Mr. Hotchkiss asked about the Center Street Water Service Replacement Project. Mr. Stapley explained that we will be completing the road work this spring.

3. Bartholomew Spring Area Repairs – Mr. Stapley explained that we have put meters in and are learning quite a bit. Of the six different spring areas that we have, we have isolated all but 4 and 5. Spring 3 literally quits.

4. Sewer Master Plan Update – Juan Garrido. Juan distributed a summary of the master plan. The City sewer system has grown about 10 miles in the five years since Mr. Garrido became superintendent. The system consists of minor main, collector, and interceptor lines, and then the outfall, ranging in sizes from 6-inch to 36-inch pipe. We have 2700+ manholes and 12 lift stations. Three of our biggest lift stations are in the north side of town, where everything west of 400 West and north of 400 North go to actual lift stations and then pumped to the plant. The plant gets around 400,000 gallons a day from infiltration (pipes that have cracks, holes, and high water table). Rain events increase the infiltration up to 2 million gallons a day. Mr. Crandall mentioned the problem of manholes becoming lower every time a road receives a treatment. Mr. Stapley explained that the City can't afford to raise them every time a treatment happens –

they range from $250-500 each manhole. Mr. Garrido stated that the plant receives an average of 2.9 million gallons a day from residential. The peak capacity is 9.2 mgd. The design capacity is for 6.8 mgd. We have been slowly repairing infiltration problems and haven't increased our intake in the past six years. Mr. Stapley talked about the difference is sewer systems from the Lake Tahoe, California area and Springville. Mr. Garrido explained that sewer pipes are concrete, so they are different from water pipes. Many of the old pipes don't have gaskets or reinforcement. We have found some pipes where the top is completely gone. We can reline sewer pipes from the inside and it will increase our flow. Mr. Garrido explained how Insituform is done and how it works. We did one project for residents on Aaron Avenue a few years ago because the pipe is in the back yards and we couldn't excavate the pipe. We are expecting the plant capacity to be at 9.3 mgd if we don't make any changes by 2038. So, we need to plan for a possible upgrade of the plant or relocate it. Mr. Stapley stated that the "nervous system" and "transmission system" of the plant are dying – communication from the lift stations to the plant. He compared it to the body – kidneys may work but the vessels and neurons that connect to the kidneys are getting old. Mr. Hotchkiss asked about where to the next plant could go. Mr. Garrido would like to put it east of 1750 West, south of the Flying J, next to RR tracks (industrial area). The report just came out that it would not be cheaper to do a regional plant. The SUMWA property is not in the right place. The flows go north and the SUMWA property is west of the city. Existing Improvement Projects, as listed on the 4th page of Mr. Garrido's handout, do not include the plant, in the next 5 years. Projects #E-2 and E-4 are the ones that haven't started yet. The 2038 Improvement Projects are growth driven ($7 million). Mr. Garrido is the superintendent for wastewater, sewer, and storm water. Mr. Hotchkiss asked why the Water Board doesn't cover storm water. Mr. Stapley didn't know why. Mr. Stapley thinks storm water would double what the board looks at. We're dealing with FEMA flood plain issues currently that are huge. By June 15, 2020 the homes in the flood way have to be set up with flood insurance, by law. We were just notified by FEMA two weeks ago. The City will be sending out information to residents soon. Mr. Hotchkiss brought up two questions – 1) do we as a Water Board have the capacity to add another issue to discuss, and 2) does the city council think we have any helpful insight to assist in any way? Mr. Stapley stated that we should run it past the new council. Cl. Jensen mentioned that so much of this is driven by the federal government. The City could mitigate some things.

Mr. Stapley distributed a diagram of the Bartholomew Tank and the valve that was closed because it was broken. On the other side is a diagram of Bartholomew Springs. We are metering springs #1, #2, and #3, but they are currently off the system. We are getting 1100 gpm from springs #4, #5, and #6. We are looking at metering #4 and #5 separately. Springs #1, #2, and #3 are currently running into the creek.

ADJOURNMENT

Mr. Andrew moved to adjourn. Mr. Hatch seconded. All were in favor.

Meeting adjourned at 7:29 a.m.