

# Minutes

## SPECIAL BOARD OF PUBLIC WORKS MEETING

NOVEMBER 27, 2001

New Berlin City Hall Common Council Chambers

3805 S. Casper Drive.

Meeting was called to order at 6:32 p.m.

**Members Present:** Mayor Wysocki, City Engineer JP Walker, Alderman Ament and Alderman Scheuble

**Excused:** Alderman Chiovatero

**ITEM 36-01 Well #11 – Construction Contract W-138**

**Award of Contract**

**Alderman Ament:**

1. "Waive any irregularities", what does that mean:

Response from Greg Bolin of Ruekert & Mielke:

The Owner has free reign to award the Contract to any Contractor.

Response from J. P. Walker:

That's standard language that allows the City to avoid legal pitfalls.

2. Under Rationale it's stated that the Utility will need to construct several future water supply to serve projected 2010 growth. Was that part of the original study?

Response from Greg Bolin:

The City authorized Ruekert & Mielke to prepare an area-wide water supply facility plan. One of the things looked at was future option to secure different sources of supply. Among those was the Milwaukee water option and continued groundwater option. Based on the results of the study, additional sources of supply will be needed to meet the future growth in the City.

**Alderman Scheuble:**

1. Proposed Well 11 is to be located east of the subcontinental divide. In your strategizing of the various options to determine where the ultimate source for water will be, did you figure the entry of the water into the distribution system? If we get water from Milwaukee, will we require a dedicated line to distribute this water from Well 11 to the portion of the distribution system that will serve the remainder of the Utility customers? That is, in those areas not served by Milwaukee

water in the future, how will Well 11 in its location east of the subcontinental divide figure into the strategy given the fact that you are not supposed to co-mingle the water?

Response from Greg Bolin:

Most communities that are being supplied water from Milwaukee Water Works do not co-mingle groundwater with lake water. Rationale is to maintain consistent water quality. Customers west of the subcontinental divide will receive consistent groundwater and those east of the subcontinental divide will receive consistent lake water.

2. How will the water quality of proposed Well 11 compare with Milwaukee water?

Response from Greg Bolin:

Groundwater generally is higher in hardness, total solids, dissolved minerals, and natural iron.

3. What was the projected yield for Well 11?

Response from Greg Bolin:

Approximately 500 gallons per minute.

4. What was the proposed plan for taking water from Well 11 and delivering a quality product west of the subcontinental divide?

Response from Greg Bolin:

Well 11, because it will be finished in the shallow aquifer, will not have any naturally occurring radioactivity or it will have minimal levels that meet the standards. That's one of the rationale in searching for a shallow aquifer site. You may want to blend for other reasons, but not for radioactivity.

5. The reason why we want to blend is because other wells are in the deep aquifer; therefore, if we can blend with those waters we will have an acceptable product to comply with EPA standards for radionuclides. Therefore, if we are going to a shallow aquifer well, how do we get those waters to a point where blending can occur prior to entering the distribution system? Will we have to dedicate a line from Well 11 to accomplish that objective?

Response from Greg Bolin:

Not necessarily. We have cases where there is blending within the distribution system without the necessity to construct a dedicated line. It depends on what is the most economical thing to do.

6. How do we forego a perceived water distribution shortage similar to what happened this year, from happening again and still fit into the long-range strategy for supplying water? I'm questioning if placement of Well 11 here follows that strategy? Without throwing out our deep aquifer wells to utilize those waters, we either filter or blend.

Response from Greg Bolin:

There are other options. You can physically fill in that portion of a well producing the highest radioactivity in water.

7. How much capacity is reduced?

Response from Greg Bolin:

30% - 40%.

8. Well 10 is also a shallow aquifer well. Any thought about putting a deep aquifer well next to Well 10 to blend water, so we do not have to transport long distances?

Response from Greg Bolin:

Well 11 is located to obtain the most reasonable yield of water. That was the purpose of the study. Siting all wells west of the subcontinental divide for ease of future supply would compete against the objective to find a site with a reasonable yield from the shallow aquifer.

9. What is the 20% cost for Technical Services?

Response from J. P. Walker:

Technical services include staff and consultant services provided during construction of the well.

9. What did the \$83,000 for the study get us?

Response from Greg Bolin:

One of the results of the study was the picking and choosing the site for Well 11/

**Mayor Wysocki:**

1. The Utility Committee and the Council approved the project. This motion is to move on the approval of the construction contract.

Alderman Scheuble:

Does this suit our long-range strategy? Is this serving the desires of the Utility

customers? Do they want Milwaukee water or local groundwater

Motion by Mayor Wysocki to recommend to Common Council to approve the award of construction Contract W-138 to the lowest responsive, responsible bidder, Water Well Solutions Service Group, Inc., Hartford, WI, in the amount of \$121,711.00 for Project #W-138 and waive any irregularities, for a total project cost in the amount of \$173,000 to be funded by Water Utility Account #923.42 and Impact Fees. Second by Alderman Ament. Upon voting, motion passes with Alderman Scheuble voting no.

Motion by Mayor Wysocki to adjourn. Second by Alderman Ament. Upon voting, motion passes unanimously.

Adjourn at 6:54 p.m.