

**Report to Stillwater Utilities Authority**  
May 2, 2016  
**Semi-Annual Report for 2nd Half of 2015**  
(July - December)

Prepared by: Robert H. Sitton, Jr., Chairman  
Stillwater Rural Water Advisory Board  
Printed April 28, 2016

Report #17

**Purpose:**

The purpose of the Stillwater Rural Water Advisory Board, as stated in the Ordinance of Establishment is to advise and make recommendations to the City Council on matters pertaining to operation and maintenance of rural water systems operated and/or maintained by the City of Stillwater thru the Stillwater Utility Authority.

**Meeting Information:**

Normal meeting time for Stillwater Rural Water Advisory Board (SRWAB) is on the third Thursday each month at 12:00 noon. The meetings are open and I invite any of you, that want to come, to the meetings. We usually meet in Meeting Room B.

**Membership:**

Current Members of SRWAB are:

Robert H. Sitton, Jr. Chairman	5717 W. Deanita Ln. Stillwater, OK 74075 Home (405)377-9555 Cell (405)612-5777	Term expires 2016 E-Mail <a href="mailto:sittonjrrobert@aol.com">sittonjrrobert@aol.com</a>
Jerry Horn Vice-Chairman	9315 W. Fagan Ln. Stillwater, OK 74075 Home (405)707-7143 Cell (405)742-7388	Term expires 2018 E-Mail <a href="mailto:jhorneval@aol.com">jhorneval@aol.com</a>
Norman Durham	3719 S. Coyle Rd. Stillwater, OK 74074 Home (405)372-7096 Cell (405)747-5166	Term expires 2017 E-Mail <a href="mailto:njdurhamranch@gmail.com">njdurhamranch@gmail.com</a>
Adam VanDeventer	2921 W. Yost Rd. Stillwater, OK 74075 Cell (405)742-7679	Term expires 2016 E-Mail <a href="mailto:avandeventer@kicker.com">avandeventer@kicker.com</a>

Kenneth McKinley	9100 Sleepy Hollow Stillwater, OK 74074 Home (405)377-4367 Cell (405)269-6657	Term expires 2017 E-Mail <a href="mailto:mck2@brightok.net">mck2@brightok.net</a>
Charles Rice	5418 W. 37th Stillwater, OK 74074 Home (405)377-6772	Term expires 2018 E-Mail <a href="mailto:ladonnaar13@gmail.com">ladonnaar13@gmail.com</a>
Jim George	4645 S. Western Stillwater, OK 74074 Home (405)372-3299 Cell (405)612-0540	Term expires 2017 E-Mail <a href="mailto:jimg408@brightok.net">jimg408@brightok.net</a>

Report Sections:

1. **Health of the System**

The monthly data series being considered are:

- A. Total gallons of water distributed to PCRWC#3 area:
- B. Total gallons of water billed to PCRWC#3 customers:
- C. Water loss or unaccounted for in the PCRWC#3 area:
- D. Active customers and new customers in the PCRWC#3 area:
- E. Net increase/(decrease) in customers in the PCRWC#3 area:
- F. New meters requested and installed in the PCRWC#3 area:
- G. General Comments:

Data tables that show items A.-C. are on Attachment One, attached at the end of this report. Data tables that show items D.-E. are on Attachment Two, attached at the end of this report. Data tables that show item F. is on Attachment Three, attached at the end of the report. Please keep in mind that we started this data in 2007 and some in 2010. Trends may start to show as more years are compiled.

G. General Comments:

We, as customers of the City of Stillwater, should be talking to our neighbors and friends that are on this rural system, to help the City of Stillwater acquire the necessary easements for all the above and below ground facilities. We should all want the City of Stillwater to have the ability to access all the facilities so they can maintain them and make any needed additions or corrections to the system.

2. **Activities related to the PCRWC#3 area.**

**Improvements** – Those items listed in Amended Exhibit C of the agreement between City of Stillwater and Payne County Rural Water Corporation #3, which was accepted September 16,2010. The Amended Exhibit C was accepted into the City of Stillwater budget fiscal year

2012, which began July 1, 2011 and runs thru June 30, 2012. These items will be allowed to take two (2) years to complete.

**Phase 1**

<u>Project #</u>	<u>Project Location</u>	<u>Project Description</u>
1	Hilltop Booster Pump Station	Replace all piping in the vault of the lift station. Install second pump and refurbish electrical controls. Shown as Item 3a in Proposed Water Utilities General Capital Projects. STATUS- <b><u>Completed Summer of 2012</u></b>
2	Various locations	Install flush/fire hydrants at locations to be determined by field operations personnel. Shown as Item 3b in Proposed Water Utilities General Capital Projects. STATUS- <b><u>Completed Summer of 2013</u></b>
3	Country Club between 37 <sup>th</sup> and 44 <sup>th</sup> (map #01-31)	Install 650 feet of 4" line. Shown as Item 3c in Proposed Water Utilities General Capital Projects. STATUS- <b>Roger Gose has been chosen as the designer. He is working on the design. All easements have been received.</b>
4	Vicinity of 19 <sup>th</sup> – Location TBD	Install chlorine injection facility to boost chlorine residual in the system. Shown as Item 3d in Proposed Water Utilities General Capital Projects. STATUS- <b>On Hold: To be included as a project in the SouthWest Pressure Zone Improvements</b>
5	OSU Plant	Remove meter, abandon 3,000 feet of 10" line. STATUS- <b><u>Completed in 2009.</u></b>
6	44 <sup>th</sup> and Country Club	Install three cross-connections between parallel 4" pipes on 44 <sup>th</sup> . STATUS- <b><u>Completed in 2011.</u></b>
11	Hidden Oaks	Install Booster Pump station – 2 pumps, 3 Hp – at intersection of Hidden Oaks and 19 <sup>th</sup> ( <b>annexed into the city limits</b> ). STATUS- <b><u>Completed as a city project.</u></b>
12	Yost Booster Pump Station and School Tower	Added: To replace #14, since this is needed now. Relocate and rebuild the pump station. It continues to flood during heavy rains. Add 20 feet to School Tower standpipe. STATUS- <b>Garver Engineering</b> has completed the study for the proposed booster pump station and elevated storage tower. This project will include a portion of the former Rural Water District 1, and is now at the stage of selecting a design consultant.
13	Nottingham Tower and Pump Station	Add 20 feet to standpipe and build new pump station at Cottonwood and 19 <sup>th</sup> , 2 pumps – 200 GPM at 100 ft of head (approx.. 10 Hp). Shown as Item 3e in Proposed Water Utilities General Capital Projects. STATUS- <b>On Hold:To be included as a project in the SouthWest Pressure Zone Improvements</b>

- 14 Karsten Area Extend waterline to Fire Academy to improve water quality – Install 400 LF of 6” line.  
Shown as Item 3f in Proposed Water Utilities General Capital Projects.  
STATUS-**Moved to Phase 2-delayed due to Additional Projects (see below)**
- 17 Bilyeu Tower Take out of service and remove. Relocate to property on Vista Drive. Install 650 feet of 6’ line to connect to system and altitude valve.  
Shown as Item 3g in Proposed Water Utilities General Capital Projects.  
STATUS-**Tower has been taken out of service.** Moving to Vista Dr. and the 650’ of water line is on hold pending the SW Pressure Zone Sturdy.
- 18 Range Road Pump Station Demolish  
STATUS- **Completed in 2009**
- 24 School, Nottingham, Twin (2), Tan-Tar-A, Coyle Towers Remove altitude valves or install bypass so that tank floats on system.  
STATUS-**Completed in 2012.**
- 25 Redlands Rd between SH 51 and Lakeview Cap off 2.5” near Redland/Airport, connect 2.5” going north to T of 4”/3”, move 5 individual services to 4”, move connections for 2.5” pipes on W 2<sup>nd</sup> and West Virginia to the 4” line.  
Shown as Item 3h in Proposed Water Utilities General Capital Projects.  
STATUS-**Completed Fall 2012**

## **Phase 2**

<u>Project #</u>	<u>Project Location</u>	<u>Project Description</u>
7	Lakeview between Redland and Cottonwood	Install 1/2 mile of 4” line on Lakeview to complete the loop. STATUS- <b>Delayed due to Additional Projects (see below)</b>
14	Karsten Area	Extend waterline to Fire Academy to improve water quality - Install 400 LF of 6” line. STATUS- <b>Delayed due to Additional Projects (see below)</b>
26	Country Club Rd. between 6th and McElroy	Install 3500 LF of 6” line between end of City line on Country Club and RWC #3 line north of Creek. STATUS- <b><u>Completed Summer of 2015</u></b>
27	19th between Range and Country Club	Connect dead ends with 600 LF of 3” line, including a creek crossing and bore under the road, install a flush hydrant. STATUS- <b><u>Completed in 2010.</u></b> Abandoned approximately 1 mile of small diameter water line and made connections between the rural and municipal systems to eliminate the dead end.
32	Lakeview Rd between Country Club Rd and Range Rd.	Install about 5300 LF of 6” line to connect 8” line at Country Club Rd and 6” line at Range Rd STATUS- <b>Delayed due to Additional Projects (see below)</b>

**Additional Projects**-Some of the additional projects have been “must-do” and diverted financial and staff time resources from the other projects in Amended Exhibit C, thus delaying their completion.

A Harrington Creek Crossing on S. H. 51 East Bound Lane  
The bridge was replaced by DOT and the water lines had to be moved per design.

STATUS-**Completed January 2012**

B Woodlake 1 dam water line  
The water line continued to break and leak.  
Status-**Completed in 2012**-The water line was replaced as a city project, since Woodlake was annexed into the city.

C Range and McElroy Bridge Re-arranged  
The bridge was re-arranged by DOT and the water lines had to be moved per design.

STATUS-**Completed Summer of 2013**

D Water 2040 Plan  
Upgrade the existing water systems (pumping, piping and storage) to improve service to municipal and rural system customers and allow for future development.

STATUS-**Design and real estate acquisition underway. New Water Tower Site has been approved. Application Package for financing the First Phase is being put together.**

E 6th Avenue and Country Club Road Pump Station  
Replace the pump station by moving it west and building a new above the ground pump station.

STATUS-**Moved into Water 2040 Plan**

F Fence around Tan-Tar-A Tower  
Fence was installed around the tower per ODEQ requirement.

STATUS-**Completed Summer of 2014**

G Boersma Booster Pump Station  
Completely replaced obsolete and failing pump station.

STATUS-**Completed Summer of 2014**

H Country Club Rd. between McElroy & Lakeview  
Installing a new water line in the new easement.  
STATUS-**In construction, scheduled to complete in 2016**

I have listed all current and prior year’s projects and projects that have already been completed as a way to keep everyone up-to-date where we are on our agreement. The SRWAB will track each project so everyone will be equally informed.

#### **Studies -**

- a. **Southwest Pressure Zone Report** was presented to us April 30, 2012 by C. H. Guernsey & Company.
- b. **Yost Road Booster Pump Station Improvement Project Report** was presented to SRWAB July 18, 2013 by Mary Elizabeth Mach from Garver Design.

- c. **Water 2040** has had a hydraulic analysis completed from the engineer CH2MHill. Real estate acquisition and design are underway.

3. **Awareness Items to Stillwater Utility Authority.**

1. To be aware that there are oil companies in the area drilling. They are needing water and we should be the ones providing them the water thru meters. We all should be on the look out for water tankers near a hydrant. We should look for a meter and if there is not, we should report it by calling 372-3292.
2. To be aware that the “one water meter per parcel of land policy” is still in effect. This may limit the development of undeveloped properties within the affected area. This also limits families with large parcels of land to break them down into smaller parcels, since water will be an issue. This policy went into effect Aug. 2011 for the Twin Towers Service Area, which is in the Southwest Pressure Zone Report Area (32nd and Range, South and East).

4. **General comments to Stillwater Utility Authority.**

**Comments from rural customers** –We continue to get comments from customers in the rural water service area about their appreciation for the service they are receiving from the employees of the City of Stillwater.

**Communication** -Improvements have been made to communicate to all water customers. The city has created a way to communicate repairs, water outages and hydrant flushings that are being done. This is done thru the internet e-mail. You must be put on the WUSC Alerts list. If you are wanting to be put on the list call Staci Cundiff at 405-533-8048 or e-mail her at [scundiff@stillwater.org](mailto:scundiff@stillwater.org). The rural hydrant flushing schedule is on the City of Stillwater website. Once there, click on Government (on the top of the page), Stillwater Utilities Authority (left side of page), Water Utilities (in pop down), Hydrant Flushing Program (left side of page), look for Flushing Schedule Map on this page and choose the month. This will show you a map of the hydrants and weeks of the month where the hydrants will be flushed.

This report is submitted to Stillwater Utilities Authority as a semi-annual report and will be submitted and updated semi-annually.

Respectfully submitted,

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s/Robert H. Sitton, Jr.  
Chairman