WATER AND SEWER ADVISORY COMMITTEE AGENDA

Tuesday, April 28, 2016
6:00 PM
Boswell Community Complex Conference Room

CALL TO ORDER

FINANCIAL REPORT
- Budget Status Report

CITIZEN CONCERNS
- Leak Adjustments / Approvals and Denials

NEW BUSINESS
- Bid Opening for Pump Station Modifications

OLD BUSINESS
- Standard Specifications for Construction of Water Lines and Sewer Lines

REPORTS

PROJECTS
- 16" Water Main
- Snooks Lane Water Main
- Dewatering Project

WATER
- Backflow Prevention Letters
- BacT Analysis Reports
- SSES by ADH

WASTEWATER
- SSO Quarterly Report
- Treatment Plant Quarterly Report

COMMENTS

ADJOURN

SUMMARY

NEW BUSINESS

- Bid opening for Pump Stations 5 and 25 Modifications will be May 21 at 2PM

OLD BUSINESS

- The final edit of the Standard Specifications for Construction of Water Lines and Sewer Lines – 2015 Edition will be presented for adoption by the City Council on April 28, 2015 pending final approval of the Arkansas Department of Health.

REPORTS

PROJECTS:

- 16" Water Main is in service
- Snooks Water Main construction is complete – waiting final inspection
- .
- Dewatering project – will be purchasing equipment prior to construction using

WATER DISTRIBUTION

Projects	• The new water line from CAW to our booster station was completed , and will better serve our city by doubling the amount of water that we can pump ,the crew that put in the line has just a little yard work to do and it will be finished , • Snooks lane water line from Hwy 5 to Hilldale is almost complete
Main Leak Repairs	• Averaging 6 repairs each week
Meter Box Change Out	• Crews changed 20 boxes during the 1st Quarter
Water Sample Results	• Bryant has been require to sample 15 sites each month. All samples for the first quarter were good. • Arkansas Department of Health performs a Sanitary System Survey every two years. The survey was done in the first quarter with excellent results. One change that resulted fromt the survey is the requirment to sample 20 sites since Bryant's population has increased.
Utility Locations	• Did ~800 water and sewer locates for OneCall

WASTEWATER DISTRIBUTION

Wastewater crews have completed about 105 work orders in the first quarter. A total of 4 Sanitary Sewer Overflows were reported for the first quarter of 2015; one equipment failure, two blockages and one line failure.

A flow study has shown basin # 5 has the highest amount of Inflow and Infiltration (i&I) throughout the Bryant collection system. Crews have been actively searching for I&I issues by walking the neighborhoods in basin # 5. Two major points of infiltration and many minor points were located and will be prioritized and repaired. These are surface visible issues. Crews inspected about 150 manholes in basin #5 and found private service lines to be a contributor to the I&I issues as well. A number of customers have been asked to make necessary repairs.

SANITARY SEWER OVERFLOWS

2015	J	F	M	A	M	J	J	A	S	O	N	D	YTD
SSO's	**4**												**4**
Equipment Failure	*1*												
Power Failure													
Blockage	*2*												
Vandalism													
Line Failure	*1*												
Capacity													
2014	**J**	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**	**YTD**
SSO's	**3**	**2**	**5**	**2**	**2**	**1**		**1**	**3**	**4**			**23**
Equipment Failure					*1*				*1*				*2*
Power Failure	*1*	*1*								*2*			*4*
Blockage	*1*		*2*	*1*	*1*	*1*		*1*	*1*	*1*			*9*
Vandalism				*1*									*1*
Line Failure		*1*	*3*						*1*	*1*			*6*
Capacity	*1*												*1*
2013	**J**	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**	**YTD**
SSO's	**3**	**3**	**1**	**2**	**2**	**1**	**1**	**1**	**3**	**1**		**2**	**20**
Equipment Failure	*2*							*1*					*3*
Power Failure				*1*					*1*				*2*
Blockage	*1*	*1*	*1*	*1*	*1*				*1*			*1*	*7*
Line Failure		*2*			*1*		*1*		*1*	*1*		*1*	*7*
Capacity						*1*							*1*
2012	**J**	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**	**YTD**
SSO's		**1**		**5**	**2**	**1**	**1**		**6**	**3**	**1**	**6**	**26**
Equipment Failure				*4*	*1*							*1*	*6*
Power Failure										*2*		*3*	*5*
Blockage				*1*	*1*				*2*	*1*	*1*	*1*	*7*
Line Failure		*1*				*1*	*1*		*4*				*7*
Capacity												*1*	*1*

2011	J	F	M	A	M	J	J	A	S	O	N	D	YTD
SSO's	**5**	**2**	**1**	**8**	**3**	**3**		**3**	**3**		**1**	**4**	**33**
Equipment Failure	*3*			*2*	*2*	*1*		*1*	*1*				*10*
Power Failure				*5*				*2*					*7*
Blockage	*2*	*1*	*1*	*1*	*1*	*1*			*1*			*4*	*12*
Line Failure		*1*				*1*			*1*				*3*
Capacity										*1*			*1*
2010	**J**	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**	**YTD**
SSO's	**3**	**3**	**7**	**4**	**3**	**4**	**2**	**4**	**3**	**3**	**3**	**5**	**44**
Equipment Failure	*1*	*1*	*3*	*4*	*1*			*1*		*1*		*3*	*15*
Power Failure	*2*		*1*			*2*	*2*	*2*					*9*
Blockage		*1*	*1*		*1*				*1*	*2*	*1*	*2*	*9*
Line Failure		*1*	*2*			*2*		*1*	*2*		*2*		*10*
Capacity					*1*								*1*

WASTEWATER TREATMENT

Average Flow - Gallons/Day	**2,370,000**
Precipitation	**15.72" (Rain) / 7.25" (Snow)**
Gallons Treated This Quarter	**215,171,000**
Gallons Treated this year	**215,171,000**

FACILITY MAINTENANCE

Secondary Clarifiers	• Pressure washed • Replace broken skimmer heads
Aerzen Blowers	• Blower 1 - Greased motor • Blower 2 - Motor rebuilt by Evans Electric
Inlet Structure	• Monitored aerator #5 for starter reset • Replaced drive motor for auger on bar screen • Rebuilt 25 HP submersible Flygt pump for EQ basin
Building 6	• Greased motors and centrifugal blowers while aerzen blower was offline • Cleaned auto drains • Replaced air filters in pneumatic air supply
Building 8	• Normal operation for digester pumps
Building 11	• Greased bearings on blower at contact chamber

1 MGD Process	• Returned to service • Replaced two fine air difussers in first stage basin
Waste Hauling	• 1,542,200 gallons received • $77,260 in revenue
Analysis Results	• All weekly analysis reveived passing results. • Biomonitoring analysis collected 4th week of February • Results for Ceriodaphnia passed • Results for Pimephales (minnow) failed/retaken in March - Passed

ELECTRIC USAGE

Wastewater Treatment Plant

Average KW	Average Cost	Annual Usage to Date	Annual Cost to Date
155813	$11,221	155813	$11,221

Inlet Structure & Aerators

Average KW	Average Cost	Annual Usage to Date	Annual Cost to Date
67160	$4961	67160	$4961

PLANT OPERATION

During the first quarter the 1 MGD process was brought back online due to increased flow. An air diffuser issue in the 1st stage basin of this process resulted intaking it back offline and pumping it empty in order to make repairs. All difussers should be replaced the next time the process is taken offline, maybe in the summer of 2015. The Kaiser Blower #1 is offline for repairs. Influent samples and process samples are being collected for a study to determine BMP for treatment requirements under future regulations. All operations are normal and dealing with heavy flow periods resulting from heavy precipitation. In March alone was the flows were 100%+ increase over February; 103 million gallons compared to 49 million gallons.