

CITY COUNCIL STUDY SESSION

TO: Mayor and City Council
FROM: Mari E. Macomber, City Manager *MEM*
SESSION DATE: June 21, 2010
TIME: 4:30 p.m.
PLACE: Waste Water Treatment Plant

We will need to adjourn to allow the City Council to make the City Council meeting at 6:00 pm.

AGENDA:

- TOUR WASTEWATER TREATMENT PLANT

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On Monday, the City Council will have the opportunity to tour the wastewater treatment plant. We have visited with the City Council in the recent past to discuss the operations of the wastewater treatment plant, and the upcoming permitting process. Funds were allocated in the 2010 budget to obtain an engineering firm, who will work with the City to develop a facility plan that will provide options which could be considered by the City Council to meet State and federal regulations concerning the treatment of wastewater. We are in the process of soliciting for proposals and will conduct the selection process soon.

Included with this cover memorandum is a brief report from Public Works Director John Buckwalter. Mr. Buckwalter, along with Doug Williams, Plant Superintendent will be at the plant to conduct the tour and answer any Council questions.

Recommended Action:

Tour the plant and ask questions of City staff about the operation of the facilities.

Attachments

Staff Report – Waste Water Treatment Plant

KIRKSVILLE CITY COUNCIL STUDY SESSION ATTACHMENT

SUBJECT: Council Visit to Wastewater Treatment Plant

STUDY SESSION MEETING DATE: June 21, 2010

CITY DEPARTMENT: Public Works

PREPARED BY: John R. Buckwalter, PE, Public Works Director

Council is scheduled to visit the Kirksville Wastewater Treatment plant during the June 21, 2010 Study Session. The WWTP is located at 23002 Atlas Lane. To reach the plant, go south on US 63 to Dogwood Lane (Opposite the former Bear Creek Apartments) then southeast on Dogwood to Laurel Lane, then east on Laurel Lane to Atlas Lane, which is marked by a sign for the WWTP, then north on Atlas Lane to the plant.

Doug Williams, Plant Superintendent will provide an orientation on the Plant, and then walk Council through the facility.

The Kirksville Wastewater Treatment Plant was constructed in 1976, and upgraded in 1986. It was originally designed as a 5 MGD plant, but has been de-rated by the Missouri Department of Natural Resources to 3.16 MGD. The current operating permit expires in February 2011, and the renewal application is being completed at this time.

The plant utilizes Rotating Biological Contactors for the treatment process. It is one of the few plants in the Midwest still using this process. The plant discharges to a tributary to Bear Creek.

The Plant faces a number of challenges. The daily load is dangerously close to the rated capacity. The section of Bear Creek immediately downstream from the plant has been listed as an impaired stream, and limits on what can be discharged to it are being developed by the EPA. The plant has a secondary outfall for a detention basin which discharges during large storms. This outfall may not be limited after the current permit expires, and certainly will have to be eliminated by the end of the next permit period. The RBC's are nearing the end of their design life, as are many of the mechanical and electrical components of the plant. Staff has prepared a request for proposal for engineering services to evaluate the plant and the City's needs, to update the facility plan, and to begin design services for plant upgrades or replacement in the 2013-2014 timeframe.