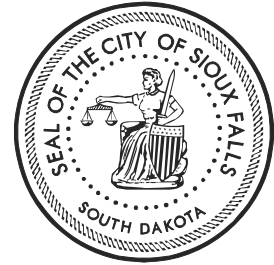


Minutes

Monday, June 30, 2008



Land Use Committee

6:34 p.m.
Carnegie Town Hall
235 W. 10th Street

Members Present: Bob Litz, Kermit Staggers and Greg Jamison

Staff Present: Denise D. Tucker, Assistant City Clerk

Guests: Mark Cotter, Director of Public Works; Andy Berg, Public Works/Engineering; Bob Kappel, Public Works/Environmental; Jason Love, RESPEC of Rapid City; Jared Oswald, RESPEC of Rapid City; and Jay Gilbertson, East Dakota Water Development.

1. Call to Order

A. Committee Chair Bob Litz called the meeting to order.

2. Approval of Minutes

A. A motion was made by Staggers and seconded by Jamison to approve the March 31, 2008, minutes. A voice vote was taken and all members said yes. **Motion Passed.**

3. Discussion

- A. Total Maximum Daily Load (TMDL) Study
Bob Kappel, Environmental Manager

Handout Pgs. 1-10 Pgs. 11-19



2224_001.pdf



2225_001.pdf

- Bob Kappel, Public Works/Environmental, gave an overview of the agenda. Kappel outlined the historical impairments of the Big Sioux River (BSR). The State of South Dakota's Department of Environment and Natural Resources (DENR) has determined the Big Sioux River and Covell Lake are impaired, which means they are not meeting water quality standards. It was noted that impaired waterbodies, which are not meeting standards, are then required to perform a Total Maximum Daily Load (TMDL).
 - Kappel stated that the BSR and Covell Lake are still impaired, according to a 2006 DENR report. According to the handout (Refer to pgs. 6-8), the following historical BSR impairments-not meeting water-quality standards were: ammonia, dissolved oxygen, iron, total suspended solids, and fecal coliform (bacteria). Some improvements were made by 2004. They include: the BSR no longer impaired by iron;
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BSR no longer impaired for dissolved oxygen; and BSR no longer impaired for ammonia. Improvements by 2006, include: Sioux Falls Stormwater Permit; and BSR no longer impaired for total suspended solids. But, the BSR is still impaired for fecal coliform (bacteria). Kappel stated that the past and current efforts are paying off in improving the water quality of the BSR and Covell Lake. He stated that the TMDL is a continuation of our efforts to improve the water quality.

- The City was asked to take the third-party lead on the TMDL process, which Kappel said was a good opportunity. (Refer to pg. 9 of the study) The goal is to continue to make water quality improvements to these impaired waterbodies through Best Management Practices (BMPs) and try and prevent any additional regulatory limits on the City.
- Kappel stated that the TMDLs will be developed for fecal coliform (currently listed as impaired) and total suspended solids (TSS) (due to historical trend of impairment) for the BSR.
- Kappel stated that a TMDL will be developed for Trophic State Index (TSI) (currently listed as impaired) for Covell Lake. Kappel informed the committee that the City has retained RESPEC Consulting and Services as a consultant on this TMDL project. He also introduced the consulting team.
- Love explained the process of developing a TMDL.
- Love said they are trying to understand the existing conditions and what's going on upstream. TMDLs are in place above Baltic. They are trying to figure out where the pollutants are coming from and how to control them.
- Gilbertson said these waterbodies are not impaired for drinking water standards.
- Kappel said we're impaired because of fisheries and recreation. Love said we need to find the cause of the problem and mitigate it.
- Kappel said they may find that the City's current BMPs (Best Management Practices) are adequate or may need improvement. He's hoping that the modeling shows we're adequate with standards.
- The study calls for a work plan to be completed by August 15, 2008. EPA 319 Grant completed by October 1, 2008. Final project completed by December 31, 2010.
- Cotter asked if they will be given updates. Love said after Phase 1. He added that many updates will be given.
- Kappel said we'll know if we need to do more monitoring after Phase 1. He said it's important that we're proactive.
- Staggars asked about the costs to the City. Kappel stated that the total costs are unknown at this time. Kappel said \$50,000 is in the City budget for 2008, which will be used as seed money to pursue additional federal and state grant funds. Kappel said, \$125,000 of an EPA grant has already been allocated to the project. And that more grant money will be needed to get the project done.
- Staggars asked if the Best Management Practices could be more aesthetically pleasing and not a haven for mosquitoes. Love stated that the TMDL project will not be at that level of BMP design. Kappel explained that if the BMPs are functioning properly pollutants will collect in the BMP prior to reaching the waters of the state as intended. This will require routine maintenance of BMPs to remove pollutants and improve their aesthetics. Berg and Kappel explained that there are other BMP designs that may be more appealing and the City will be evaluating the possibility of including them into our Engineering Design Standards.

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- Litz expressed concern about the amount of land that developers have to reserve for the installation of the BMPs. Kappel stated that the TMDL project could require the City to develop more restrictive or less restrictive BMP requirements. Litz was hopeful that this project would lead to a reduction of the amount of BMPs needed in the City.
- Litz said that the project team should move forward with Phase I of the project.
- It was agreed that the project team would provide an updated presentation to the City Council Land Use Committee after the completion of Phase Ia of this TMDL project.

4. **Open Discussion**

There was none.

5. **Adjournment at 7:24 p.m.**

- A. A motion was made by Jamison and seconded by Staggers to adjourn. Litz called for a voice vote. All committee members voted yes. **Motion Passed.**

Denise D. Tucker
Assistant City Clerk