



Meeting Minutes
May 4, 2011 - 2:00 PM
Traffic Operations Conference Room, Franklin City Hall

Attendees:

David Parker, City of Franklin	Andrew Lynn, CDM
Eric Stuckey, City of Franklin	Kati Bell, CDM
Eric Gardner, City of Franklin	Zack Daniel, CDM
Mark Hilty, City of Franklin	Jamie Lefkowitz, CDM
Dr. Ken Moore, Mayor City of Franklin	Bo Butler, SSR

I. BOMA Work Session Presentation Discussion (May 9, 2011)

This presentation was moved to May 12th at 4 PM; during the Steering Committee meeting, CDM reviewed the work to date on the various subtasks, and discussed revisions to the alternatives based on the technical analysis to date. CDM then presented a demonstration of the Harpeth River model. The group provided specific input on revisions to be incorporated prior to the BOMA meeting.

II. Subtask Status Reports

During the meeting CDM provided an update of each subtask:

A. Stormwater Analysis

Analysis has been completed and the findings are currently under internal technical review.

B. Water Distribution System Analysis

CDM needs a list of future capital improvement projects to complete its analysis; this will allow the existing model to be used to evaluate future conditions to evaluate the impact of future distribution system projects.

C. Water Conservation Analysis

CDM met with Vernon Gerth and Andrew Orr from the City Codes Department to determine what conservation measures are already or proposed to be in the City's codes. The conservation analysis is complete and undergoing CDM internal technical review.



D. Wastewater Treatment Plants Analysis

1. Existing WWTP

The biological treatment capacity analysis has been completed and is under technical review. The hydraulic capacity analysis is ongoing; CDM collected baseline measurements of water elevations at the plant when the flows at the plant subsided from the wet weather events in late April – early May; however, the flow was still higher than average flow conditions and CDM has contracted with a surveyor to measure critical elevations to complete the analysis of the plant's hydraulic capacity. As follow-up to this discussion, with respect to the BOMA meeting, the Steering Committee suggested that it would be helpful to make sure that a discussion on the difference between average day flow and peak day flow with respect to discussing how the existing WWTP capacity is analyzed with respect to biological and hydraulic capacity.

2. New WWTP

CDM is near completion of the analysis of the proposed process trains and will submit the document for final internal technical review prior to the end of the month.

E. Water Treatment Plant Analysis

Based on the slides that were prepared for the BOMA meeting, the Steering Committee recommended that CDM show when the upcoming regulations that were going to impact the WTP were going to be in effect. Definitions of THM, HAA and a description of DBPs and how to control them would be helpful. CDM noted to the group that water supply would not ultimately be the biggest challenge for the plant, but rather the upcoming regulations that would have the greatest impact on the system. Mark Hilty noted that the plant is currently running polymer trials to aid with reduction of total organic carbon (TOC) through the process.

F. Wastewater Collection System Analysis

The flow meters have been pulled from the system and the two months of data is being analyzed.

G. Ecological Restoration Analysis

CDM has with City staff to discuss several proposed projects; the associated technical memorandum has been prepared and is under internal technical review.



H. Reclaimed Water Analysis

SSR has updated the 2009 master plan demand projections and has analyzed the storage necessary to meet these demands. This analysis is currently under internal technical review.

I. Biosolids Analysis

CDM has completed TM1 (existing conditions, solids production) and TM2A (analysis of planning level costs for operating two stand alone facilities, one at each wastewater plant versus consolidating biosolids treatment at one facility). These memoranda were distributed to the Steering Committee for their review. Kati will follow up with electronic versions of the documents so that edits and revisions can be provided in track-changes.

II. River Model Development Update

A. Harpeth River Watershed Association Meeting, May 4, 2011

Jamie Lefkowitz reported on the meeting that was held with the Harpeth River Watershed Association. The topics of discussion included the following:

IWRP Project Overview

- Integrated Water Resources Planning
- Harpeth River water quality model, driving questions:
 - Which IWRP alternative is likeliest to yield the best water quality in the Harpeth River in Franklin and downstream?
 - What are the likely water quality impacts of the selected alternative?
 - If water quality upstream of Franklin meets TN standards, how will Franklin's IWRP affect the river?
 - If water quality upstream of Franklin does not meet standards, how will Franklin's IWRP work toward improvements?

Model Development Discussion

- Use data to estimate input time series of flow and water quality, in lieu of using watershed rainfall/runoff model (less uncertainty)
- Calibrate model rates and constants to match observed data, if needed
- Scenario years: 2007 (dry), 2008 (average), 2009 (wet); simulate existing conditions and alternatives

Existing and Available Data

- TDEC
 - Water quality (nutrients, D.O., BOD)



- Field observations of periphyton
- Franklin
 - Water quality
 - WWTP discharge and water withdrawal
 - Stormwater and tributary quality
- USGS
 - Flow gages for input flow development (x5 in study area)
- HRWA
 - Data, methods, observations (discussion)

B. Jamie also provided a presentation on the status of the River Model and demonstrated several output scenarios based on the current progress on the model.

III. Scheduling and Upcoming Meetings

- A. BOMA Work Session – May 12th, 2011
- B. Stakeholder Workshop – June 1st, 2011
- C. Steering Committee Meeting June 8th, 2011
- C. Public Forum – June 21st, 2011