

**Cedar Meadow Lake Watershed District
Minutes of Management Committee Meeting
October 12, 2011**

The meeting commenced at 8:30 P.M. at 1 Maple Glen Lane, Leicester.

In attendance: Paul Dufresne

Tommy Lee
Wayne Ridley
Richard Johnston, Clerk

Minutes of Previous Meetings

The previously distributed Minutes of the Management Committee meeting on September 14, 2011 were offered for approval. A motion was made, seconded and voted unanimously to accept the Minutes as written.

Clerk's Report

Mr. Johnston reported the following communications since the last Management Committee meeting:

- 9/29 e-mail to Management Committee describing results of exploratory excavations and pulling the flash boards
- 9/30 standard realtor letter to Prudential R E regarding 11 Lakeview Drive
- 10/2 newsletter to members
- 10/1 - 10/3 exchange of e-mails with potential buyer of 11 Lakeview Drive

Treasurer's Report

Mr. O'Coin was unable to attend the meeting and sent a Treasurer's Report dated 10/12/11 showing that the District had \$11,178.87 on deposit with the Commerce Bank. Significant entries on this report included the receipt of \$516.21 in tax revenue and the payment of an R. H. White Construction invoice for work performed during the dam emergency following the hurricane. The Management Committee approved Warrant #153.

Old Business

Exploratory Dam Excavations:

R. H. White Construction, under the supervision of Phil Moreschi of Fuss and O'Neill engineering explored the sub-surface of the dam crest on 9/29/11 in an attempt to better locate the source of water leaking through the dam just west of the gatehouse. It was assumed that water was entering the dam in the vicinity of the former low level outlet channel and flowing horizontally through the dam and exiting out the bottom of the downstream wall. This was the leak that caused the sinkhole discovered on 8/28. Excavations started close to the upstream wall and gatehouse did not reveal any significant water movement within the structure. Efforts were then made to dig back from the sinkhole repair toward the upstream wall. Excavations revealed a clay berm that apparently runs through the center of the dam. Large volumes of water were discovered rising vertically on the upstream side of this berm. The volume of water was such that no further digging could be performed because the excavation was rapidly filling with water. The excavations were refilled and compacted and the flow exiting the dam was noticeably reduced upon completion of this work. Hay bales previously placed by R. H. White in anticipation of the exploratory digging were staked in place and the excavated area was covered with a tarpaulin to prevent rainwater from penetrating the surface until permanent repairs are made later in the year.

Dam Seepage:

Mr. Johnston reported that the flow of water through the dam near the gatehouse completely stopped when the lake water level dropped to 14 inches below the spillway elevation. This is consistent with previous observations in the Spring when the leak did not become apparent until the water level rose to 12 inches below the spillway elevation. This also confirms that water is flowing over an internal dam structure.

Draw Down Update:

Mr. Johnston reported that he pulled the flash boards with the assistance of an R. H. White employee on 9/29. By 10/12 the water level had dropped to 26 inches below the spillway elevation. He speculated that it would be necessary to install siphons over the dam to accelerate the draw down to get the water level down to the desired five feet below the spillway elevation to complete dam repairs.

New Business

Siphon Installation Proposal:

Mr. Johnston described conversations he had with member Dan Beauvais regarding his experience with siphons and plans to work with R. H. White and Fuss and O'Neill to develop plans to install siphons over the dam to accelerate the draw down.

Dam Incident and Leak Repair Engineering Report:

Mr. Johnston reviewed a draft letter being prepared by Fuss and O'Neill at the request of the Office of Dam Safety describing the 8/28 sinkhole repair and 9/29 exploratory excavation work.

Conservation Commission Application:

Mr. Johnston described conversations with Fuss and O'Neill regarding possible permanent leak repair construction and the need to seek and secure Conservation Commission approval. He planned to file an initial application with the Conservation Commission and to follow up with specific construction plan as these are developed.

Executive Session:

The meeting was recessed to hold an executive session to discuss pending litigation.

Next Meeting

The next meeting of the Management Committee was scheduled for Wednesday, November 10, 2011 at 1 Maple Glen Lane, Leicester.

Adjournment

A motion was made, seconded and voted unanimously to adjourn the meeting. The meeting adjourned at 9:05 P.M..

A True Copy Attest:

Richard D. Johnston
District Clerk