



# Hide-A-Way Hills Club Annual Meeting 2015

August 16, 2015

# Management Committee

- Jim Krygier (Chair)
  - Rich Rudawsky
  - Paul Heimberger
  - Chas Cross
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- Each member serves a 3 year term
  - Public Meetings – 2<sup>nd</sup> & 4<sup>th</sup> Tuesdays @ 7PM

# LOFS DAM FACTS

- Earthen Dam
- 1,100 Linear Feet Long
- 48.5 Feet in Height
- Principal Spillway – Gate Valve
- Normal Pool is 815.5 feet above Sea Level
- Dam Crest is 823 feet above Sea Level
- Upstream (Lake) Slope is 3:1
- Downstream (Security) Slope is 5:1

# LOFS Dam History

- 1965 - Construction
- 1966 - Dam Erosion Remediation
- 1993 - Dam Maintenance Projects: Install Rip Rap, Repair Outlet Basin, Re-seal Emergency Spillway
- 2013 - Observe Dam Slippage

# 2013 LOFS Timeline

- October 2013 – Observe Horizontal Crack (Slip) on LOFS, Notify ODNR
- October 24 – Inspection with 2LMN, ODNR, HAH Staff
- November 2013 – Inject Calcium Bentonite into Slips, Maintain LOFS 5 feet below Normal Pool per ODNR Directive
- December 2013 – 2LMN Diagnostic Trench

# 2014 LOFS Timeline – 1

- January 2014 – Approve Contract Proposal from 2LMN to Analyze Diagnostic Trench
- February 2014 - Approve Contract with 2LMN w/ DLZ as Subcontractor for Amount of \$43,562 for 5 Test Borings and Remediation Analysis
- Maintain LOFS at 5 feet below Normal Pool (Elevation 815 feet above Sea Level)

# 2014 LOFS Timeline - 2

- March 1-4 – 5 Borings performed by DLZ – Depth 30-40 feet
- March 18 – Trenches (2LMN) Excavated and Analyzed
- April 11 – Received Preliminary Report from DLZ indicating Concern with Global Stability
- April 29 – Receive 2LMN Proposal for Hydraulic & Hydrologic report \$9,600; Inundation Analysis \$4,200 – Both Required by ODNR
- May 23 – Authorize Sonar Survey LOFS Dam – Canter Surveying \$2,500



## 2014 LOFS Timeline - 3

- May 8 – Receive Request Letter from ODNR requiring Dam Monitoring
- July 1 – Dam Inspection by Terracon (new geotech consultant)
- July 3 – ODNR Project Deadlines letter
- August 1 - Receive Joint 2LMN and Terracon (as subcontractor) Proposal - \$106,700; Board Approves Contract



## 2014 LOFS Timeline – 4

- August 12 – Test Borings Resume; Install Inclinometers
- October – Submit Concept Plan to ODNR
- November- Receive ODNR Concept Plan Review
- December – Request Recover Lake Level

# 2015 LOFS TIMELINE

- January – Submit Response to ODNR Review; Lake Level Request Denied
- February – ODNR Approves Remediation Concept & Response
- March - Additional Borings Completed; Piezometers Installed; Clay Borrow Analysis Done
- April – 2nd Request LOFS Normal Lake Level
- May – Request Denied; 2LMN modifies Inundation Map for H&H study; Submit Dam Reclassification Request

## 2015 LOFS Timeline - 2

- June – Authorize 2LMN Contract for Army Corps Wetlands Permit - \$9500
- July/August – Complete Detailed Dam Design w/ Geotech Analysis
- September – Submit Detailed Dam Design to ODNR; Complete Revised Cost Projections
- October/November – ODNR APPROVAL!!!
- Develop Finance Plan

# 2016 SCHEDULE

- January/February - Construction Bids and Award
- Finalize Finance Plan; Member Review and Approval
- Construction Begins ASAP – Weather Dependent