

Status of Dam Safety Project GFCACA Board Meeting January 8, 2009



Chestnut Hills - First Colony - Heritage Landing

Greater First Colony Area Civic Association

Shellbank - Shellbank Woods



Timeline of Activities

- Early 2007 - Initial tree clearing at causeway and spillway.
- July 2007- Received notification from State Dam Safety Program
 - GFCFA Application due to state by January 23, 2008.
- August 2007 - Solicited proposals for Engineering Services.
 - 2 proposals received.
- September 2007 – Awarded contract for Engineering Services
 - Site visit on October 3 with Joe Alexander from Alexcom & Assoc. and Lake Committee.
- January 2008 - Letter sent to state requesting time extension and that VA-DCR notify James City Service Authority that they are part owner.



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Timeline of Activities

- March 2008 – Received draft documents from Alexcom & Assoc.
- February 2008 – Confirmed James City Service Authority (JCSA) owns land on causeway around lift station.
- April 2008 – Letter sent to Larry Foster (JCSA) requesting meeting on dam.
- May 2008 – Meeting held with JCSA at First Colony Club House (see attached meeting summary for details).
- July 2008 – Meeting with First Colony residents to report on status.



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Activities to be completed

- Receipt of comments from JCSA and incorporate into draft documents.
- Submission of documents requesting operation and maintenance certificate.
 - Application fee is based on hazard classification - **\$ 500 fee (low hazard)** \$1000 fee (significant hazard) – application fee approved in 2009 GFCA budget.
 - This application is reviewed by the Dam Safety Director and granted either a regular certificate (6 years) or conditional certificate (2 years).
- Based on the current deficiencies at the spillway we will be applying for a conditional operation and maintenance certificate.
 - Once approved the state sets the schedule for completion of work – we should plan on this to be no longer than 2 years from approval.
 - Minimum requirements:
 - Removal of trees on river side of spillway
 - Installation of staff gage – estimate \$500 – in approved 2009 GFCA budget.
 - Professional Engineering services for design documents to correct deficiencies at spillway, will likely require survey.
 - Construction permit application – (\$1000 low, \$2500 significant).
 - Construction contract to correct spillway – Cost unknown.



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General Summary of Dam Documents

- *As Build Report*
 - A general description on the history and condition of the dam and provides the information necessary for Classification of Dam.
 - Requires certification by a Professional Engineer.
- *Emergency Action Plan*
 - A plan that will be followed at certain flood stages.
 - Requires a GFCACA resident to be appointed as “The Dam Operator”.
- *Operation and Maintenance Application*
 - Provides a maintenance plan and schedule for the dam.
 - Basis for obtaining an operating certificate from the state.



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