

LBWID Operations Director's Report (Aug. 2010 – Oct. 2010)

Engineering/Projects

Concrete restoration for the dam (update)

- In mid-September LBWID applied for a dam alteration permit from the Virginia Division of Dam Safety.
 - The State has 60 days to make comment (or request additional information) on the application and 120 days to approve or decline the application.
 - As of 10-15-2010 Rob VanLier (Regional Dam Safety Engineer) informed LBWID that he is midway through the initial review of the application and that most likely he is going to request additional information.
 - Rob VanLier is hoping to have the formal comments prepared by 10-22-2010 (in the form of a letter).
 - The Virginia Soil and Water Board will have to approve the permit.
 - They meet every 3 months; their next meeting will be November 18, 2010. Their next meeting after that will be January 24, 2011.
- In the mean time WR&A is continuing with preparing the pre-final drawings and specifications.
- WR&A is also working with the LBWID on developing all of the documents that will be needed for the bid phase.
- As stated in the previous Operations Directors Report, In order for the actual construction phase of this project to happen during the summer months of calendar year 2011 (next year) the bid phase would have to start no later than December 1, 2010.
 - Considering that LBWID will most likely not receive the alteration permit from the Division of Dam Safety until sometime after December 1, 2010 LBWID will most likely be postponing the actual construction phase of the project until the summer of calendar year 2012.
 - LBWID does not want to engage with the bid phase process without having an approved permit for the project.

Dam hydraulic cylinder testing program (update)

- LBWID is continuing to perform the hydraulic cylinder testing sessions once a month.
 - Each test session lasts 6 hours.
 - The data from these tests will help LBWID and WR&A determine the condition of the hydraulic cylinders internal piston rings.
- The LBWID will continue conducting these tests the rest of this year and then send all collected data to WR&A for analysis.

Biennial Dam Inspection (new)

- On September 14th a team of engineers from WR&A conducted the biennial inspection of the dam.
 - They inspected the three primary aspects of the dam.
 - Structural
 - Mechanical
 - Operations
- Overall the inspection went well.
 - WR&A will work on developing the inspection report during the winter months and will submit it to the Virginia Division of Dam Safety in March of 2011.
 - One may ask why the actual inspection is done months in advance of when the inspection report has to be submitted to the State.
 - This is because the winter weather makes it harder and more dangerous to inspect the downstream face of the dam, hydraulic cylinders, and bascule gate. This is best done during the late summer when temperatures are warmer and the Lake is not frozen over.

Dam cathodic protection system inspection (new)

- On September 22nd Tom Fowler from Russell Corrosion Consultants Inc. performed the annual inspection of the dam's cathodic protection system.
 - This system helps prevent the steel components of the dam, which are exposed to the lake, from rusting.
- Over all the inspection went well and no adjustments to the system were needed.

Operations

FY-2009 Financial Audit (new)

- Jones and McIntyre PLLC completed the LBWID FY-2009 financial audit.
 - Their audit reported stated that the receipts and disbursements paid of LBWID presents fairly.
- The report for this audit is on file in the LBWID office and a copy has been sent the Northern Virginia Soil and Water Conservation Board for review.

In-house dredging program, fall dredge season (update)

- On October 4th the LBWID staff started the fall dredging season on the Holmes Run side of the Lake, the dredging equipment is staged at Beach 3.
 - LBWID is aiming to remove no less than 1,250 cubic yards of sediment from that side of the Lake.

- So far the dredging process is moving smoothly and LBWID staff anticipates being able to finish the fall dredging season around mid-November.

Dredge spoil disposal (update)

- September 8th-14th GDC Trucking Inc. trucked away the dried dredge spoils that were in the decanting basins at Beach 3 and Beach 5 to Lorton Construction Landfill.
 - All together 2,500 cubic yards of dried dredge spoils were removed from the decanting basins.
 - These dredge spoils were removed from the lake during the fall 2009 and the spring of 2010.
- The cost of this trucking project was \$23,205.00.
- LBWID would like to acknowledge our appreciation to Lorton Construction Landfill for continuing to accept our dredge spoils at no cost; this saves the LBWID and Lake Barcroft community a tremendous amount of money.
 - LBWID would also like to acknowledge Mason District Supervisor Penny Gross for helping LBWID negotiate this arrangement with Lorton Construction Landfill.

Debris Removal (update)

- During the 2010 spring/summer lake season LBWID was once again very successful in removing the debris that washes into the lake during rain events.
 - In most cases the lake was cleaned and debris free within 24 hours after a rain event.
- The total amount of debris removed so far during 2010 is as follows:
 - 306 40 gallon trash can loads (removed by hand)
 - 97 trash harvester loads (each load weighs about 2000 lbs.)
 - 2.5 barge loads (removed by hand)
 - 6 dump truck loads (collected from the beaches)

National Association of Conservation Districts tour of NVS&WCD projects around Fairfax County (update)

- On October 13th LBWID was proud to be the first stop of a County wide tour that the Northern Virginia Soil and Water Conservation District gave to a delegation from the National Association of Conservation Districts.
 - LBWID provided its conference room for a power point presentation by the NVS&WCD Board members and staff.
- The intent of the tour was to help the folks from the National Association of Conservation Districts better understand what happens in the urban/suburban conservation districts.
- LBWID Chairman Charles de Seve started the tour by welcoming everyone to Lake Barcroft and explaining what a WID is and the types of projects and programs the LBWID undertakes.

Respectfully,
Davis Grant
LBWID Operations Director