MEETING AGENDA

• Opening Remarks – Acting District Commander, MAJ Cornelius Batts
• Project History – Terry Durbin, Project Manager
• Construction Update – Denise Polizzano, Area Engineer
• Emergency Management – Mike McAllister, Elk County Emergency Services Director
• East Branch Lake Facilities – Autumn Rodden, East Branch Lake Resource Manager
• Questions
Dam failure averted in 1957, but risk for re-initiation of internal erosion remains.

**PROJECT HISTORY 1957 Emergency Repair**

**FLOW**

Grouted Cavity

Soil

Rock

Muddy Seepage Flowing from Rock Drain During Incident

Untreated, Jointed Bedrock in Cutoff Trench Walls

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and Taking Care of People!

US Army Corps of Engineers®
PROJECT HISTORY

• 1957 – Emergency Repair
• 1957 to 2008 – Monitor Dam
• 2008 to 2019 – Interim Risk Reduction
• 2008 to 2010 – Dam Safety Study
• 2010 to 2014 – Preconstruction, Engineering & Design
PROJECT HISTORY
Site Development Construction Contracts
2011 - 2014
PROJECT HISTORY Cutoff Wall Contract Award

- **26 Aug 2014** – Award made to Layne Christensen Company
  - Amount: $132,504,348
- **17 Sep 2014** – Notice To Proceed
  - 1740 day Period of Performance
- **04 Feb 2016** – Contractor’s Name Change to Bencor Global, Inc
Bencor Global Inc.
Frisco, TX

• Tim Myers
  Director of Operations

• Jeff Garon
  Project Manager
CONSTRUCTION UPDATE
DAM SAFETY MONITORING

• Instrumentation
  • Automated & manual readings

• Visual Inspection
  • Continued 24-hour government presence

• USACE & Contractor Emergency Action Plans

• Joint Instrumentation Monitoring Plan

• Data Management System
CONSTRUCTION UPDATE

Truck Traffic

- Amount of traffic is dependent upon construction activity.
- Road Permits & Bonds are in accordance with PennDOT and local requirements.
- Previous Activities: 331,000 tons of stone delivered
- Current Activities: Concrete deliveries to the work platform
CONSTRUCTION UPDATE

Drilling & Grouting

• Soils
• Rock

Work Platform Construction
CONSTRUCTION UPDATE

Cutoff Wall Demonstration Section
CONSTRUCTION UPDATE
CUTOFF WALL DEMONSTRATION SECTION

Hydromill
CONSTRUCTION UPDATE
CUTOFF WALL DEMONSTRATION SECTION

Desander
CONSTRUCTION UPDATE

CUTOFF WALL DEMONSTRATION SECTION

Panel Verification
CONSTRUCTION UPDATE

Critical Area Secant Construction Demonstration Section
CONSTRUCTION UPDATE

Upcoming Activities

• Complete Drilling & Grouting Operations
• Spillway Area Work Activities
• Cutoff Wall Full Production
• Critical Area Full Production
CONSTRUCTION UPDATE

Cutoff Wall Panel Layouts/Grout Hole Layouts
## Construction Update

### Cutoff Wall Contract Status Update

<table>
<thead>
<tr>
<th>DATE</th>
<th>CONTRACT % COMPLETE*</th>
<th>CONTRACT EARLY FINISH</th>
<th>CONTRACT COST</th>
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<td>0</td>
<td>23-Jun-19</td>
<td>$132,504,348</td>
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<td>22-Mar-20</td>
<td>$158,659,452</td>
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</table>

* Subject to change depending on weather, on-site conditions, geologic conditions, etc.
ECONOMIC POSITIVES

- Upgraded roads and facilities at East Branch.
- Local hiring.
- Use of Local Contractors & Suppliers.
- Housing Rentals, Hotels.
- Restaurants, grocery, gas stations, etc.
- Fuel & oil, machine parts, equipment rentals.
- Road Repairs on SR 1001 and 1004.
- East Branch Lake still contributes to flood protection, fisheries and water quality benefits while under repair.
EMERGENCY MANAGEMENT
MR. MIKE MCALLISTER, ELK COUNTY EMERGENCY MANAGER

• Future Activities:

• Swift 911 warning system ongoing registration

• Continued planning meeting with Jones, Johnsonburg, and Ridgway Emergency Managers.

• Co-ordination of County and Twp. Emergency Action Plans for Dam Failure Emergency Notification and Evacuation.

• Exercising of above Emergency Action Plans.
EMERGENCY MANAGEMENT

Text
SWIFT911
to
99538

Stay Informed!
During Emergency Situations, Important Events and More

Ensure You KNOW
Manage Your Alerts
Customize Your Information

Swift911 Public

www.swiftreach.com 1.800.794.3891

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EMERGENCY MANAGEMENT
SWIFT 911 MOBILE APP

- ANDROID
- APPLE
- WINDOWS
EAST BRANCH LAKE FACILITIES

41 Site Campground
   – Closed for Construction

Overlook Day Use Area
   – Closed for Construction

No public access across the dam.
EAST BRANCH LAKE FACILITIES

Boat Launch

- Closed for the season
- Expected to reopen in mid-April
EAST BRANCH LAKE FACILITIES

Instanter
Boat Launch
Elk State Park

• Closed for the season

• Expected to reopen in mid-April
ALTERNATIVE RECREATION OPPORTUNITIES

Kilgus Road Canoe/Kayak Launch

- Open year-round
ALTERNATIVE RECREATION OPPORTUNITIES

- KILGUS ROAD CANOE/KAYAK BOAT LAUNCH & FISHING, Wilcox, PA
- BENDIGO STATE PARK, Wilcox, PA
- TWIN LAKES RECREATION AREA, Wilcox, PA
- KINZUA BRIDGE STATE PARK, Mt. Jewett, PA
- KINZUA DAM AND ALLEGHENY RESERVOIR, Warren, PA
- TIONESTA LAKE, Tionesta, PA
- COOK FOREST STATE PARK, Cooksburg, PA
EAST BRANCH LAKE FACILITIES
Authorized Project Purposes

- FLOOD RISK REDUCTION
- LOW-FLOW AUGMENTATION
- WATER QUALITY
- FISH & WILDLIFE MANAGEMENT
- RECREATION
2017 LIMESTONE SAND TREATMENTS: SPRING AND FALL

Bendigo State Park
• Seven Mile
• Borgardy Run

Elk State Forest
• Whittaker Run

Domtar Paper Company
• County Line
• Doe Run
• East Branch

U.S. Army Corps of Engineers
• Straight Creek
INSTALLED NEW STORAGE BUILDING ROOF
RE-SEALED TOWER ROOF
POLLINATOR SEED PACKET SCHOOL PROGRAM

Help Save the Pollinators!

Northeastern Wildflower Mix

Planting Instructions: Find a small spot (1 to 5 sq. feet) with sun exposure (or indoors pots). Remove existing grass & other growth. Read the seeds evenly. Do not bury; simply press into the surface of the bare soil. Soil moist until seedlings are 4-6” high.

And...
Always wear your Lifejacket!
Welcome to
East Branch Lake :) WEAR YOUR LIFE JACKET!!
LEPIDODENDRON FOSSIL
LEPIDODENDRON FOSSIL
HEALTHY FISHERY

NO OBSERVED ADVERSE IMPACTS DUE TO LOW WATER LEVELS

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and Taking Care of People!

US Army Corps of Engineers®
60,000 LAKE TROUT FINGERLINGS STOCKED
18-OCTOBER-2017
FY18 3rd Quarter Milestones:

• Electrical Upgrades to the Campground
  ✓ Repairing excavator
  ✓ Coordinating hookup with electric company

• Campground Paving Contract
  ✓ Engineering Design / Contracting phase

• Campsite Improvements
  ✓ Jersey barriers with rock fascia to replace rotten railroad ties
  ✓ Leaf blowing
  ✓ Widow maker removal
FY18 4\textsuperscript{th} Quarter Milestones:

- Proposal to create fishing campsites on Kilgus Rd
  - NEPA, market, and logistics research phase

- Proposal to create cabin campsites
  - Market and logistics research phase

- Boat Launch Culvert Replacement
  - Engineering Design / Contracting phase

- Potable Well Upgrades
  - Engineering Design / Contracting phase

- Market research for campground improvements
  - Seeking great ideas! Please let us know in the suggestion box tonight or feel free to call or visit!
WATER MANAGEMENT
CONTACT INFORMATION

East Branch Dam Operations
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E-mail: Autumn.L.Rodden@usace.army.mil

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Media and General Inquiries
Jeff Hawk
Public Affairs, 412.395.7500
E-mail: CELRP-PA@usace.army.mil

Websites:
www.lrp.usace.army.mil/Missions/Planning,ProgramsProjectManagement/HotProjects/EastBranchDamRepair
www.facebook.com/EastBranchLakeUSACE

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QUESTIONS?