

Center Hill Dam Safety



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Center Hill Dam Safety - 25 Sep 2018

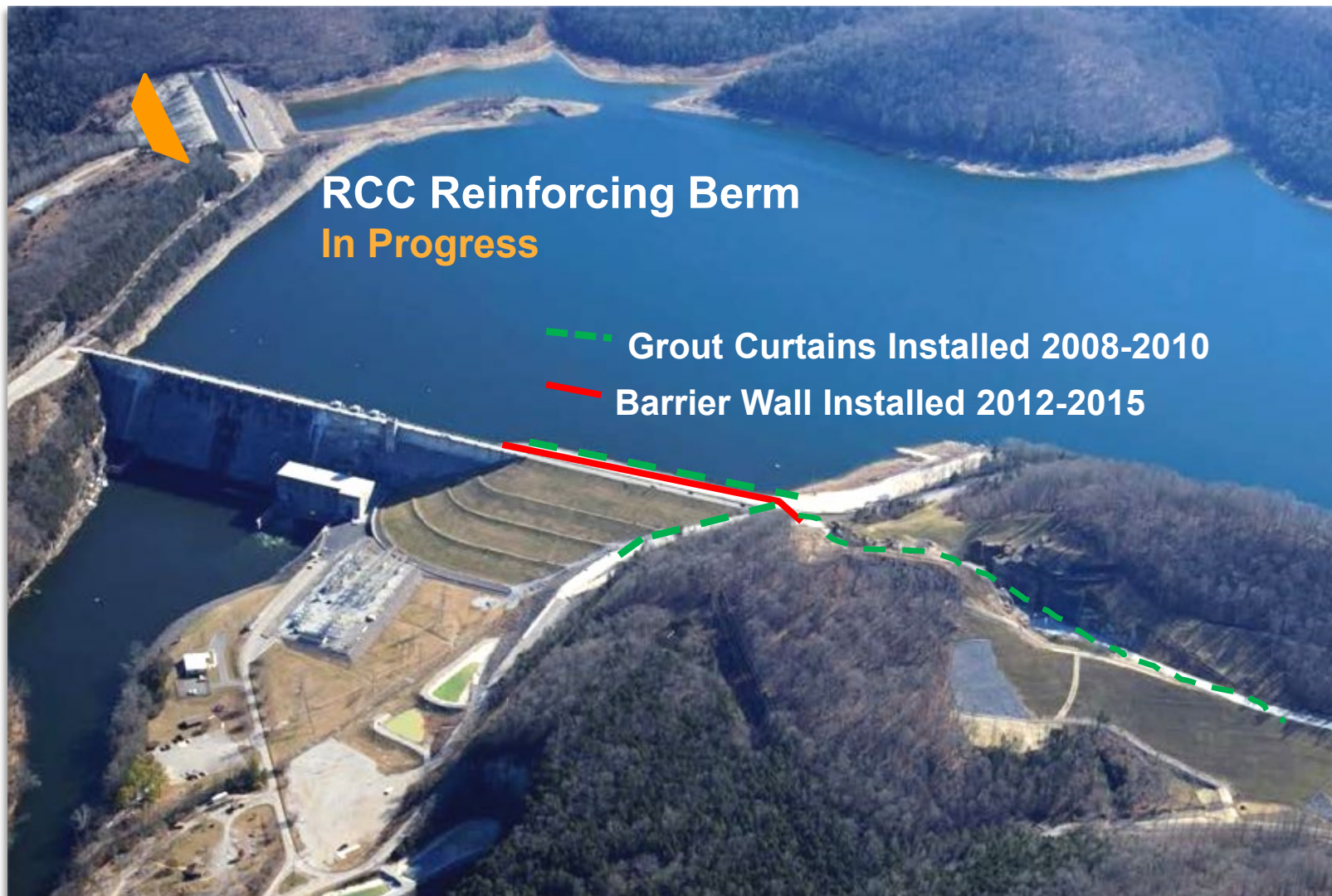


US Army Corps
of Engineers



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MAIN & SADDLE DAM INTERNAL EROSION, OVERTOPPING RISK



RCC Reinforcing Berm
In Progress

Grout Curtains Installed 2008-2010

Barrier Wall Installed 2012-2015





2 July – Foundation Rock Cleaning



2018/07/02 07:33

26 July – Begin Conventional Concrete Mat



Aug 15, 2018 at 4:48:32 PM
Silver Point

15 Aug- Foundation Concrete Mat (looking at left abutment)

5



6 Sep- Foundation Concrete Mat (looking at right abutment)

DAM SAFETY MODIFICATION STUDY

PREMATURE FUSE PLUG OPERATION DUE TO GATE INOPERABILITY



Saddle Dam
Fuse Plug

Main Dam
Spillway Gates

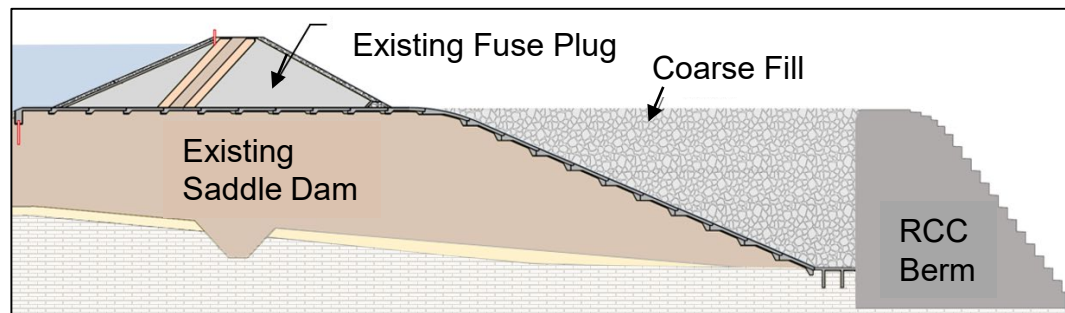


FUTURE WITHOUT ACTION CONDITION (FWAC)

- future condition with actions a conscientious dam owner would normally take
- baseline against which Risk Management Plans are measured

FWAC addresses remaining risk issues:

- Saddle Dam failure (RCC Berm in construction)
- Gate Operability
 - Loss of power
 - Backup generator
 - New electric feeder lines & switchgears
 - Pendant control



Gate Operability Items recently funded with 1% O&M hold back funds

- Comprehensive Gate Rehab contract awarded September 2018
- Electrical lines, Remote Operation to be completed by 1 June 2019



PATH TO NORMAL LAKE LEVELS

- Complete Gate Electrical Rehab and Pendant Control (June 2019)
- Complete RCC Berm and conduct Post Implementation Evaluation
- HQ Dam Safety and Division Dam Safety Officer approval (concurrent with RCC Berm completion)

Realize full Hydropower & Rec benefits



DISCUSSION



Center Hill Dam Safety - 26 Sep 2018

