

Discovery Report Appendix L

Dams and Floodplain Structures

Lake Ontario – Oak Orchard-Twelvemile Watershed

HUC 04130001

July 2016



FEMA

Federal Emergency Management Agency
Department of Homeland Security
26 Federal Plaza
New York, NY

Appendix L: Dams and Floodplain Structures

The following files are available in hard copy at NYSDEC Central Office. Files noted as “CEDR” refer to the NYSDEC archival system in which the files/reports are stored. The information detailed below is also published as a separate accompanying attachment to this report as “Appendix L Dams and Floodplain structures.xls”.

Genesee County

Oatka Creek Dam:

- 8/9/2012: Visual Inspection
- 2/1/2012: Annual Certification Form
- 4/16/2003: Letter from Genesee County OEM regarding Joint Flood Mitigation Study for the Tonawanda and Oatka Creek watersheds.
- 1998: Serious flooding noted. GFLRPC was working on data gathering.
- 8/27/1985: Boring logs and plan of bridge area showing location
- 3/20/1934: Plan Drawings
- 3/20/1934: NYS Dept of Public Works Davison of Engineering Application for the Construction or Reconstruction as a Dam.

Byron Pond Dam:

- 8/9/2012 visual inspection
- 2/26/1925: Report of a Structure Impounding Water by the State of NY Dept of State Engineer and Surveyor. Report includes sketches.

U S Gypsum Reservoir Dam:

- 8/27/2012: visual inspection
- 1/11/2012 Dam Safety Cert Form. Annual EAP completed EAP completed
- 8/1/2011 with inundation maps
- 1/11/2005 certified as built drawings for pond inlet
- 11/2002: Engineering Report for US Gypsum Company Reservoir Assessment. H&H, Drilling & Soil Borings, scope & inspection program

Leroy Reservoir Dam:

- 8/9/2012: Visual Inspection
- 1/26/1960: General Plan, Sections & Details drawings
- 1/25/1960: Application for the Construction or Reconstruction of a Dam
- 1/21/1960: plans for the reconstruction and/or alterations made to the dam
- 11/1959: Proposal, contract and specifications for construction on Dam, Spillway, and Reservoir Improvements
- 7/1931: Proposed Improvement drawings to Gravity Water Supply
- Note in the file that original dam #305 should be in the large filing cabinet but was not found.

Horseshoe Lake Dam:

- 1/9/2013: Emergency Action Plan for Horseshoe Lake Dam 5462 Horseshoe Lake Road, Stafford NY with inundation maps.
- 1/1/2013: Inspection and Maintenance Plan for Horseshoe Lake Dam. With contract drawings and details on the dam
- 11/30/2012: Applied (and not complete) permit for Freshwater Wetlands
- 8/9/2012: Visual Inspection report 4/4/2012: EAP submitted and reviewed by NYSDEC
- 7/17/1992 received by DEC: AS BUILT
- May 18, 1992 grading plan, plan profile and details, and details and specifications
- 5/8/1991: Proposed Modification to Existing Dam for Horseshoe Lake Town of Stafford County of Genesee with Discharge calculations
- 6/28/1991: As-Built grading plan, As Built plan profile and details, As Built Details and Specifications
- 5/25/1982: H&H Analysis
- 10/27/1952: Plans and Prints

Monroe County

Cobbs Hill Reservoir Dam:

- 10/2010 EAP for Cobbs Hill Reservoir Dam
- 2/3/2011: Annual Certification Form
- 7/2001: Visual Inspection

Court Street Dam:

- 6/6/2012: routine visual inspection
- 4/26/2005: Updated Safety Plan for project and NYSDOT bridge replacement project
- 5/21/2004: Concept drawings for plastic intake screens
- 9/28/1999: NYS Canal Corporation Rochester Gas and Electric Court Street Dam Automation System drawings
- 4/14/1999: Permit for Rehabilitation of Dam Structure
- 1999: Monthly construction reports 3/10/1994: Rehabilitation of the Court Street Dam Across the Genesee River - Phase II
- 12/1998: NYS Thruway Authority NYS Canal Corporation Buffalo Division plans for Rehabilitation of Court Street Dam Phase III across the Genesee River at Erie Canal MP 414.70
- 1994: Permit for operation and maintenance of a 3.3MW run-of-river hydroelectric generating facility at the Court Street Dam on the Genesee River
- 6/1992: Project Drawings
- 2/8/1991: general design drawings and project location
- 8/1990: Operation report
- 2/1989: Inundation mapping reports

- 9/1980: Phase I Inspection Report National Dam Safety Program CEDR'd

Highland Park Reservoir Dam:

- 2/3/2011: Annual Certification form 6/2011 Visual Inspection
- 1/25/2011 "As-Built"
- 12/2011 Piezometer readings 3/4/2010 EAP

English Road Detention Facility Dam:

- 6/6/2012: visual inspection
- 1/28/2011: Dam Safety Annual Certification Form
- 12/31/1979: Permit to construct dam for flood control
- 9/28/1977: Soils and Foundation review
- 8/5/1977: Drawings and Spillway Channel Protection and Auxiliary Spillway information
- 7/1977: Service spillway and auxiliary spillway DEC hand calculations

Larkin Creek Dam:

- 6/6/2012: visual inspection
- 1/28/2011: Dam Safety Annual Certification Form
- 11/1975: Plan View of Earth Dam and Spillway drawings
- 7/15/1975: DEC hand calculations of Review of Original Plans
- 6/30/1975: Larkin Creek Stormwater Detention Facility Soils Report
- 6/1975: Topographic Plan St Andrews Drive Detention Basin drawings
- 4/7/1975: Preliminary Engineering Report for the Larkin Creek Watershed Retention Basin Number One St. Andrews Drive

Maiden Lane Detention Pond Dam:

- 6/20/2012: visual inspection
- 1/31/2011: Annual Certification Form
- 10/6/1983: Hydrograph worksheets
- 4/1980: West Tributary Detention Facility Round Pond Watershed Geotechnical Report

Round Pond Creek Dam:

- 6/6/2012: visual inspection
- 1/28/2011: Dam Safety Annual Certification Form
- 6/4/1976: Round Pond Creek DEC hand calculations for spillway
- 5/1976: Emergency Spillway Design Stormwater Detention Basin No 1
- 1/1976: Deschel Drive Stormwater Retention Pond Soils Report
- 11/1975: Preliminary Land Acquisition Map

Lock 33 Dam Erie Canal:

- 8/30/2012: EAP
- 6/6/2012: routine visual inspection

- 12/3/1985: Application for FERC license to construct and operate a 360 Kw hydroelectric facility.
- 1/21/1985: Before the FERC Application for License for Minor Water Power Project for the Lock 33 Hydroelectric Power Plant

Willow Pond Dam:

- 7/11/2013: application permit denied
- 5/28/2013 also denied but included set of drawing for "Willow Pond Dam Outfall Modifications, Town of Penfield, Town Engineer Geoff Benway, Monroe County" , Engineering Report " Willow Pond Dam Outfall Modifications, Towns of Perinton and Penfield, Monroe County, Permit Application Package"
- April 2013 consultant to send H&H and more detailed maps.
- 1/25/2013 annual certification form, EAP completed
- 1/17/2013 Town of Penfield Field Inspection Report
- 10/2011 Willow Pond Dam Hydrological and Hydraulic Analysis with Dam Break inundation maps and CD of H&H data
- April 2011: Inspection and Maintenance Plan for Willow Pond Dam
- August 18, 2010 Emergency Action Plan
- 12/9/2003 Grading and Erosion control plan maps, general plan, and detention pond plan maps (as built)
- 11/2003: Joint Application for Permit for the Modification of Willow Pond - H&H, Hole and Test Pit
- Jan 2001: Engineering Report Expansion of Willow Pond
- January 2001: Engineering Report: Expansion of Willow Pond Towns of Perinton and Penfield Monroe County NY
- August 1972: Willow Pond Detention Pond Plan.

Southern Hills Detention Pond Dam:

- 12/12/2012: EAP
- 7/27/2012: routine visual inspection
- 1/22/2012: Annual certification form
- 8/8/1985: Southern Hills Subdivision Stormwater Management Report, including design plans 8/20/1985: Southern Hills Subdivision Stormwater Management Report; design, supplement, including joint application for permit,
- 8/2/1985: Southern Hills Subdivision Stormwater Management Report Design Supplement

Lock 32 Dam Erie Canal:

- 8/30/2012: EAP and comments from DEC
- 6/6/2012: visual inspection
- 11/6/1985: Fallon Hydros Inc's application for FERC application
- 3/1985: Before the FERC Application for License for Minor Water Power Project for the Lock 32 Hydroelectric Power Project

- 10/21/1980: Phase I Inspection reports
- No date: Plan view of Dam at Lock E-32 on the Barge Canal Town of Pittsford

Southeast Reservoir Dam:

- 2/2013: EAP for Southeast Reservoir Dam (Denise Reservoir)
- 1/11/2012: Annual Certification Form
- 8/19/2011: EAP
- 3/2007: Dam Record Drawings
- 10/1968: Report on Preliminary Soil Engineering Investigation Proposed 100 MG Southeast Reservoirs Pittsford, NY

Rush Reservoir Dam:

- 9/1/2012: EAP
- 10/24/2012: Permit for modification of current dam inlet and outlet structures, install floating cover and make improvements to the existing liner
- 8/2012: Basis of Design Rush Reservoir Liner and Floating Cover Project
- 5/2012: Report for Seepage and Stability Evaluation of Southwest Embankment CEDR'd 6/30/2011: routine visual inspection
- 2011: Topographic Survey for Rush Reservoir and profile of stormwater system
- 12/18/1991: Rush reservoir Rehabilitation Report of reservoir Deficiencies CEDR'd

Brookville Subdivision Dam:

- 8/17/2010 visual inspection
- 11/17/1990: Brookville Subdivision Detention Facility Record Map
- 8/24/1990 Field Compaction tests & soil analysis
- 8/15/1988: Application for permit, profiles, plat map, drawings and H&H study
- 6/23/1988: Hydrological study for Brookville Subdivision Webster, NY

Niagara County

Burt Dam:

- 9/12/2012: routine visual inspection
- 1/27/2012: Dam Safety Annual Certification Form
- 5/1993: FERC Second Consultant's Inspection Safety Report CEDR'd
- 8/20/1990: Permit for installation of anchors on bulkheads, spillway and powerhouse structures of the dam.
- 1991: AS BUILT post-tensioned anchors general arrangement
- 7/12/1989: First Consultant's safety Inspection Report
- 1988/1989: Operations Report for FERC
- 12/1987: Stability Analysis report CEDR'd
- 11/9/1987: Permit for dam rehabilitation
- 10/2/1987: General arrangement showing new civil work drawing
- 9/30/1987: Erosion Control Plan
- 5/21/1987: Burt Dam Linear Park Corridor Recreational Plan

- 5/28/1987: Site plan
- 5/1987: Appendix I Burt Dam Dam break Simulation and Inundation Analysis CEDR'd
- 11/8/1985: DEC Stability Analysis calcs, 9/11/1983: Before the FERC Application for Exception of Small Hydroelectric Power Project form Licensing the Burt Dam Hydroelectric Project
- 3/19/1924: drawings

Newfane Dam:

- No files available

Niagara Cnty Fed Of Cnsrvtn Clubs Dam:

- No files available

Orleans County

Albion Waste Gate & Weir Dam:

- 8/19/2011 EAP
- 6/10/2009 Visual inspection
- 3/24/2009 Structure Inspection Report NYS Canal Corporation

Otter Creek Dam:

- 6/24/2009 - visual inspection
- 1915 - Blueprints of proposed storage dam

Oak Orchard Creek Dam:

- 3/7/2011 - Joint Application for Waterport Trash Racks and Supporting Steel Replacement Project
- 6/29/2011 visual inspection
- 5/16/2011 Spillway Calculations
- 2010 Annual Certification Form
- 7/12/1995 - Drawing for existing site plan, proposed site plan, Spillway Rehabilitation elevation, sections and details
- 7/10/1995 Specification for the Rehabilitation of the spillway at Waterport Hydro Plant Town of Carlton Orleans County NY Niagara Mohawk Power Corporation
- 3/30/1920 Plans for Intake bulkhead and waste weir
- 12/3/1917 test on Sand and Gravel
- 10/8/1917 Calculations and drawings for proposed construction
- 9/10/1917 Application to erect dam

Holley Power Plant Dam:

- 6/29/2011 visual inspection
- Note in file that dam could not be located and is believed to not exist
- 9/20/1914 Dam Report

Glenwood Lake Dam:

- 2010 annual certification form
- 7/21/2011 - visual inspection 6/30/1988 - Embankment rehabilitation calculations (HEC 1)
- 1998 EAP
- 2/7/1989 - AS BUILT for replacement of spillway structure
- 1988 - Stability Analysis summary for replacing the existing spillway with a concrete stop log structure at Glenwood Hydro development
- 1913 Dam Report

Medina Aqueduct Dam:

- 9/10/2008 - visual inspection
- 4/10/1987 - AS BUILT drawings general plan, elevation, sections and details for Intake Structure Replacement
- 2/17/1987 - Stability Analysis Summary Report
- 10/29/1992 - Design Report and drawings for Floodgate Replacement
- 8/26/1980 - General Plan Elevation and Section Dam, Intake and powerhouse drawings for floodgate structure replacement

Shelby Center Dam:

- 6/19/2012 - visual inspection
- 1916 and 1918 Dam Report

Village Of Lyndonville Dam:

- 1/17/2013 EAP review
- 6/19/2012 - visual inspection
- 2010 annual certification
- 6/28/1948 - Application for the construction or reconstruction of a dam
- 6/1948 Plans, Specifications and Drawings