

Discovery Report Appendix L

Dams and Floodplain Structures

Lake Ontario – St. Lawrence Watershed

HUC 04150309

July 2016



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 available in “Appendix L Dams and Floodplain structures.xls”.

*No dams are located within the Headwaters of the St. Lawrence River Watershed. The dams shown below are the high and medium hazard potential located within the counties included in the study area.

Jefferson County

Beebee Island Main Dam

- 1/19/2012: Annual Certification Form
 - 8/9/2011: EAP
 - 8/1/1995: Visual Inspection
 - 12/1991: Before the United States of America Federal Energy Regulatory Commission Application for New License for Major Modified Project
 - 4/1990: Relicensing Progress Report with Site Plan
 - 8/1989: BeeBee Island Project Licensed Project No 2538 Supplement to Data for Initial Stage of Consultation Document
 - 7/10/1987: Stage I pre-filing information packet "Data for Initial Stage Consultation"
 - 4/27/1960: Engineering calculations
 - 7/19/1948: Map of BeeBee Island (blueprint)
 - 10/8/1947: Application for the construction of a Dam including blueprints
 - 3/17/1925: Report of a Structure Impounding Water née NYS Dept of State Engineer and Surveyor
 - 9/1915: Map showing bottom of Black River from 1100 feet above Beebee Island
- #### Seawalls South Channel Dam
- 1/19/2012: Annual Certification Form
 - 1/22/1998: visual inspection
 - 5/21/1986: maps and drawings for black river project
 - 4/3/1985: Dam drawings
 - 7/20/1981: Permit for Article 15 Protection of Water for reconstructing spillway
 - 7/15/1981: Hydraulic and Structural information for proposed spilling capacity
 - 6/9/1981: General Plan, , elevation and section details drawings
 - 1981: Attachment to DEC Permit Application Supplement D-1 Stability Summary
 - 10/1977: Subsurface Investigation Report Seawalls Development Project Niagara Mohawk Power Corp. Watertown, NY
 - 1924: Dam report drawings
 - No date: Preliminary Rehabilitation drawings - general plan, cofferdams, location, and sections, elevation, dam intake, sluice, dam sections, flashboards, and ladder details

Upper North Channel Dam

- 1/19/2012: Annual Certification 4/3/1985: Existing dam drawings

- 8/1/1995: visual inspection
- 5/21/1986: engineering maps and drawings
- 9/30/1985: Stage 1-B Archaeological Investigation North Branch Hydroelectric Project City of Watertown Jefferson County NY
- 6/28/1979: H&H calculations
- 12/1977: Design Criteria for Rehabilitation of Seawalls Development Black River with stability analysis 7/28/1977: Location of Core Borings drawings
- 11/16/1921: Specifications for Repairs to present dam at Watertown, NY for International Paper Company Job 29-15 and 29-16
- No date: Preliminary general site plans

Bear Creek Dam

- 2/1/2010: dam safety annual certification form
- 8/11/2009: visual inspection
- 1/8/1992: Evaluation, Analysis, and Recommendations Ambursen Dam on Bear Creek Town of Ellisburg, Jefferson County NY with drawings
- 10/29/1990: K.E. Project No 9008 Evaluation and Study Ambursen Dam on bear Creek Town of Ellisburg, Jefferson County NY 2 volumes
- 5/21/1922: Application for construction of a Dam and location sketches and as-built drawings

Watertown Municipal Power Dam

- 2/10/2012: FERC lowered dam to Low hazard potential classification
- 7/6/2011: Annual Dam Certification
- 7/14/2008: visual inspection
- 1/8/1999: Survey Map of Parcels "A" "B" and "C" lands annexed to the City of Watertown NY
- 5/16/1997: Fish Bypass Facility Plan Sections and details and one line diagram site drawings
- 3/20/1996: Survey Map of the PARCEL of land to be annexed to the City of Watertown Ridge Road (Huntington Street)
- 5/3/1989: Land Ownership Map Along Black River
- No Date: Exhibit A: Project Description, Exhibit G: Maps of the Project

Felts Mills Dam

- No files available

Village Power House Dam

- 7/16/2008: visual inspection
- 8/9/2001: visual inspection
- 8/13/1991: Supplemental Data for Dam Stabilization Program
- 10/24/1990: As Built drawing for dam stabilization tension rods
- 7/1987: Application for permit and engineering report. Includes supporting data and calculations
- 9/1986: Engineering Report including H&H calculations, Spillway cross-sections, structure stability, ice load, flashboard pin failure

- 7/15/1985: Teresa Hydro Recommended Flashboards 8/8/1986: foundation Improvement blueprints
- 9/15/1984: Permit with amendments Article 15 Protection of Water
- 9/6/1982: Before the Federal Energy Regulatory Commission Application for Exception of Small Hydroelectric Power Project from licensing. With detail plan and project boundary
- 3/2/1982: Before the Federal Energy Regulatory Commission Application for Exception of Small Hydroelectric Power Project from licensing. With detail plan and project boundary

Beebee Island Diversion Dam

- 1/19/2012: Annual Certification
- 8/10/2009: Visual inspection
- 8/3/1948: Application for the construction of a Dam
- 7/24/1948: Rating Curve and blue prints for the black water river
- 7/24/1948: Proposed changes to Old Stone Dam blue prints
- 12/1991: Application for New License for Major Modified Project

Herrings Dam

- 1/19/2012: Annual Certification
- 7/23/2002: Visual observations
- 1984/1985: NWS reports and news articles
- 5/31/1923: Soil/sand test results
- 3/15/1923: Blueprints for spillway section with ice pressure, spillway section with Maximum Flood
- No date: General plan and details of dam, intake and powerhouse plan and sections drawings

Black River Power Dam

- 1/19/2012: Annual Certification
- 2012: EAP
- 1/5/1990: drawings for general plan, and lower forebay, powerhouse, and tailrace plan and sections
- 6/27/1989: Black River Project Licensed Project No 2569 Supplement to Data for Initial Stage of Consultation Document
- 5/21/1986: Engineering maps and drawings for Black River Project
- 5/22/1979: H&H papers
- 3/13/1979: Stability analysis calculations
- 1/26/1979: Permit for Proposed Bulkhead Replacement in Black River
- 7/21/1919: site information, drainage area, maximum flood, spill capacity, stability calculations and descriptions

Kamargo Dam

- 1/19/2012: Annual certification form
- 1/19/2012 Annual Certification letter
- 7/23/2002: Visual observations

- 11/5/1990 General plans and details of dam head gates, plan and sections
- 11/5/1990: General Plan and Details of dam and head gate, and head gate spillway and tailrace plan and sections drawings
- 7/14/1989: Black River Hydroelectric Project letter and report "Supplement to Data for Initial Stage of Consultation Document"
- 6/27/1989 Black River Project Licensed Project No 2569 Supplement to data for initial stage of consultation document Niagara Mohawk Power Corporation
- 3/12/1985: As-Built changes drawings
- 12/31/1984: Permit for Hydro Development. Includes Stability Analysis, Rock bolts, spillway check with HEC-2
- 10/1984: As-Built drawings
- 3/30/1984: Water surface profile from HEC2
- 3/30/1984: Application for Amendment of License by Niagara Mohawk Power Corporation Black River Project License No 2569.
- 10/1920: Engineering calculations
- 4/7/1920: blueprints for proposed structures, spillway, plan, sections, and details.
- No date - Preliminary drawing for general plan, location map and section, dam rehabilitation sections and details

Deferiet Dam

- 1/19/2012: Annual Certification
- 7/23/2002: Visual observations
- 4/24/1992: Replacement of Intake Structure report including environmental assessment and stability analysis and site drawings
- 6/14/1991: Filed with FERC
- 5/21/1986: engineering maps and drawings
- 10/21/1985: Before the FERC Application for a preliminary permit by the Deferiet Corporation for the Shamppion Hydroelectric Power Plant. Including site schematics and flow-duration curve
- 8/7/1913: Engineering calculations
- 7/29/1913: Testing Laboratory Results
- 6/25/1913: Specifications for Diversion Dam across Black River at Deferiet NY St Regis Paper Company. Including blueprints.
- No date: General plan and details of dam drawings

Dexter South Channel Dam

- 9/23/2012: EAP
- 7/16/2008: Visual inspection
- 6/6/1985: Before the Federal Emergency Regulatory Commission Application for Amendment of Exception from Licensing with drawings
- 1/8/1985: Before the Federal Emergency Regulatory Commission Application for Amendment of Exception from Licensing with drawings

Philadelphia Dam

- No files available

St. Lawrence County

No high or medium hazard potential dam structures

