



DANBURY LOWER FERC PROJECT #9184



CONSTRUCTION AND KEY DATES

Owner.....Flambeau Hydro, LLC
 Date of Purchase.....January 23, 2001
 Date Originally Built.....1950
 Online Date.....1950
 License Effective Date.....June 1, 1987
 License Expiration Date.....September 5, 2036

STRUCTURAL DATA

Dam Type.....Concrete Gravity Dam / Earthen
 Overall Length and Height.....54' Long x 30' High
 Power Canal.....2,350' Long
 Penstock.....1 – 96" Diameter x 95' Long Steel
 Spillway Description:
 1-Spillway with Stop Log Gates.....54' x 30'
 1-Earthen Dike.....300' Long

HYDROLOGIC DATA

River.....Yellow River
 County.....Burnett County, WI
 Nearest City.....Danbury
 Drainage Area Square Miles.....240
 Reservoir Acres.....2,800
 Storage Volume Acre Feet.....5,040
 100-Year Flood CFS.....3,400 CFS
 Probable Maximum Flood CFS.....17,000 CFS
 Flood of Record.....No Data

PLANT DATA

Turbine Manufacturer.....James Leffel & Co.
 Turbine Identification:
 Unit #1.....Leffel 30" Type Z
 Turbine CFS @ 100% Gate:
 Unit #1.....283 CFS
 Generator Identification:
 Unit #1.....Ideal
 Generator Nameplate Rating KVA:
 Unit #1.....750 KVA
 Generator Horsepower:
 Unit #1.....960
 Generator Speed RPM:
 Unit #1.....300 RPM
 Generator Voltage:
 Unit #1.....2400

OPERATIONAL DATA

Normal Headwater Elevation.....927.90
 Minimum Headwater Elevation.....927.00
 Maximum Headwater Elevation.....929.00
 Normal Operating Head.....38'
 Number of Units.....1
 Maximum Generating Capacity.....600 KW
 Annual Generation.....1.7 GWH
 Maximum Turbine Discharge CFS.....283 CFS
 Hazard Rating.....Low
 Minimum Flow:
 December 1 – February 28.....50 CFS
 March 1 – November 30.....123 CFS