



NANCY PROJECT #65.18 WI

CONSTRUCTION AND KEY DATES

Owner..... Flambeau Hydro, LLC
 Date of Purchase.....2001
 Date Originally Built.....1937
 Online Date.....April 17, 1953
 License Effective Date.....No Jurisdiction
 License Expiration Date.....No Jurisdiction

HYDROLOGIC DATA

River.....Totogatic River
 County.....Washburn County, WI
 Nearest City.....Minong
 Drainage Area Square Miles.....320
 Reservoir Acres.....1702
 Spillway Capacity CFS.....6081 CFS
 Average Flow CFS.....No Data
 Probable Maximum Flood CFS.....No Data
 Flood of Record.....No Data

OPERATIONAL DATA

Normal Headwater Elevation.....110.50
 Minimum Headwater Elevation.....110.00
 Maximum Headwater Elevation.....111.00
 Normal Operating Head.....18'
 Number of Units.....2
 Maximum Generating Capacity.....562 KW
 Annual Generation.....1.5 GWH
 Maximum Turbine Discharge CFS.....471 CFS
 Hazard Rating.....Low

STRUCTURAL DATA

Dam Type.....Concrete Gravity Dam
 Overall Length and Height.....80' x 18'
 Power Canal.....N/A
 Penstock.....2 – 9' Diameter
 Spillway Description:
 2-Gravity Spillways.....23' Long
 3-Stoplog Sections.....11'4" Long

PLANT DATA

Turbine Manufacturer.....James Leffel and Co.
 Turbine Identification:
 Unit #1.....Leffel 33" Type Z
 Unit #2.....Leffel 50" Samson

Turbine CFS @ 100% Gate:
 Unit #1.....238 CFS
 Unit #2.....233 CFS

Generator Identification:
 Unit #1.....Westinghouse
 Unit #2.....Westinghouse

Generator Nameplate Rating KVA:
 Unit #1.....312 KVA
 Unit #2.....250 KVA

Generator Horsepower:
 Unit #1.....380
 Unit #2.....360

Generator Speed RPM:
 Unit #1.....180 RPM
 Unit #2.....150 RPM

Generator Voltage:
 Unit #1.....2400
 Unit #2.....2400