



CLAM RIVER FERC PROJECT #9185

CONSTRUCTION AND KEY DATES

Owner.....Flambeau Hydro, LLC
 Date of Purchase.....2001
 Date Originally Built.....1942
 Online Date.....1944
 License Effective Date.....March 31, 1987
 License Expiration Date.....March 1, 2007

HYDROLOGIC DATA

River.....Clam River
 County.....Burnett County, WI
 Nearest City.....Danbury
 Drainage Area Square Miles.....380
 Reservoir Acres.....364
 Storage Volume Acre Feet.....3,825
 Flood of Record.....2,224 CFS
 Probable Maximum Flood CFS.....Unknown

OPERATIONAL DATA

Normal Headwater Elevation.....898.95
 Minimum Headwater Elevation.....895.45
 Maximum Headwater Elevation.....898.95
 Normal Operating Head.....35'
 Number of Units.....3
 Maximum Generating Capacity.....1,200 KW
 Annual Generation.....4.76 GWH
 Maximum Turbine Discharge CFS.....525 CFS
 Spillway Discharge Capacity CFS.....2,934 CFS
 Hazard Rating.....Low

STRUCTURAL DATA

Dam Type.....Concrete Ambursen Dam
 Overall Length and Height.....54' Long x 10' High
 Power Canal.....N/A
 Penstock.....Unit #3-Steel 30' Long x 7' Dia.
 Spillway Description:
 3-Stop Log Sections.....12'
 1-Vertical Steel Slide Gate.....12'

PLANT DATA

Turbine Manufacturer.....The James Leffel and Co.
 Turbine Identification:
 Unit #1.....Leffel 35 1/2" Type F
 Unit #2.....Leffel 35 1/2" Type F
 Unit #3.....Leffel 35 1/2" Type F
 Turbine CFS @ 100% Gate:
 Unit #1.....175 CFS
 Unit #2.....175 CFS
 Unit #3.....175 CFS
 Generator Identification:
 Unit #1.....Electric Machinery
 Unit #2.....Electric Machinery
 Unit #3.....General Electric
 Generator Nameplate Rating KVA:
 Unit #1.....500 KVA
 Unit #2.....500 KVA
 Unit #3.....500 KVA
 Generator Horsepower:
 Unit #1.....585
 Unit #2.....585
 Unit #3.....585
 Generator Speed RPM:
 Unit #1.....277 RPM
 Unit #2.....277 RPM
 Unit #3.....277 RPM
 Generator Voltage:
 Unit #1.....2400
 Unit #2.....2400
 Unit #3.....2400