



# Iowa Falls State ID #1304

## CONSTRUCTION AND KEY DATES

Owner..... Iowa Hydro, LLC  
 Date of Purchase..... 2006  
 Date Originally Built..... 1926  
 Online Date..... 1926  
 License Effective Date... Outside FERC Jurisdiction

## HYDROLOGIC DATA

River..... Iowa River  
 County..... Hardin, IA  
 Nearest City..... Iowa Falls, IA  
 Drainage Area Square Miles..... 679  
 Reservoir Acres..... 365  
 Storage Volume Acre Feet 4751

## OPERATIONAL DATA

Normal Headwater Elevation.....  
 Minimum Headwater Elevation.....  
 Maximum Headwater Elevation.....  
 Normal Operating Head..... 25 ft.  
 Number of Units..... 1  
 Maximum Generating Capacity..... 540  
 Annual Generation..... 1579 KW  
 Maximum Turbine Discharge CFS..... 402  
 Spillway Capacity CFS..... No Data  
 Hazard Rating..... Low  
 Run-Of-River Minimum Flow..... None

## STRUCTURAL DATA

Dam Type..... Concrete Buttress  
 Overall Length and Height..... 225 ft. long x 26 ft. high  
 Spillway Description.....  
     75 ft. Concrete Buttress spillway  
     3 – 26 ft. wide Tainter Gates

## PLANT DATA

Turbine Manufacturer..... James Leffel and Co  
 Turbine Identification:  
     Unit #1..... 42 B  
 Turbine CFS @ 100% Gate:  
     Unit #1..... 402  
 Generator Identification:  
     Unit #1..... Allis-Chalmers  
 Generator Nameplate Rating KVA:  
     Unit #1..... 675  
 Generator Horsepower:  
     Unit #1..... 897  
 Generator Speed RPM:  
     Unit #1..... 257  
 Generator Voltage:  
     Unit #1..... 2300