

**COOK LEGACY CASE STUDY**

**Rainbow Dam Powerhouse**

<b>Industry</b>	Fire Protection
<b>Problems</b>	Site specific requirements and National Fire Protection Association standards at a hydroelectric powerhouse
<b>Solutions</b>	Cook Legacy designed and built simple, low-maintenance drum screens that met the requirements.
<b>Result</b>	Fire protection standards were met while avoiding more complicated straining screens.

Automatic Fire Systems approached Cook Legacy with a problem: design an intake screen to meet site specific requirements and National Fire Protection Association (NFPA) standards for the Rainbow Dam Powerhouse in Montana. Cook Legacy engineered a pair of drum-type screens to meet NFPA standards for the site. Cook Legacy screens meet NFPA 20 requirements for suction screening for fire pump installations. Cook Legacy's screens provided a simple, low-maintenance solution versus the straining screens typically used in fire pump applications. As screen requirements for NFPA continue to come into focus, Cook Legacy will engineer water solutions for these applications.

