

## DAM SAFETY REVIEW | RATTLING BROOK HYDROELECTRIC DEVELOPMENT

Newfoundland Power



### Description of Services Provided:

The Rattling Brook (RBK) development, constructed in 1958, is located in central Newfoundland near the community of Grand Falls-Windsor. The development has a two (2) unit powerhouse, operated with a head of 100 metres and a total install generation capacity of fifteen (15) megawatts (MW). RBK development has a forebay reservoir and main storage reservoir formed by Amy's Lake and Rattling Lake dams.

#### Meco was retained to perform the following deliverables:

- Document Review and Dam Classification
- Site Inspection, Topographic Survey & Staff Interviews
- Design and Construction Review
  - Freeboard adequacy
  - Spillway Capacity
  - Stability analysis for each dam
- Public Safety and Security Around Dams