

## DAM SAFETY MANAGEMENT SYSTEM AND GAP ANALYSIS

NB Power (New Brunswick Power)



**Énergie NB Power**

### Description of Services Provided:

According to the CDA Guidelines, a DSMS “provides a framework for dam safety activities, decisions, and supporting processes.” In 2015 Meco developed a Dam Safety Management System (DSMS) for NB Power (New Brunswick Power Corporation) to assist them in managing the dams at their seven hydroelectric facilities and four water storage locations. This included a five year plan with budget estimates to bring all of the facilities in line with current practice.

Meco worked closely with NB Power to develop the Policy for Dam Safety Management which was adopted by both Management and Operations departments as a guide for the Dam Safety Program. Meco then prepared a DSMS which described all the necessary inspections, public safety around dams risk assessment, communications, emergency planning, document retention and supporting processes, as outlined in the CDA Guideline. Finally, the Gap Analysis was performed to identify any shortfalls and develop a five year plan with specific actions and budget estimates leading to a comprehensive safety system. The work was prioritized using a risk based approach in partnership with NB Power, to suit their risk tolerance.

### The project had four main components:

- Development of a Policy Statement for New Brunswick Power that is consistent with industry standards and best practice.
- Preparation of a Dam Safety Management System for New Brunswick Power that will enable it to achieve the intent of the Policy.
- Perform a Gap Analysis between current practice and the Dam Safety Management System.
- Preparation of a five year budget to facilitate the closing of the “gaps”.