

**B. J. (BERNIE) OSIOWY, B. SC. – CIVIL  
HYDRO POWER DEVELOPMENT CONSULTANT**

**PROFESSIONAL EDUCATION**

University of Saskatchewan, B.Sc., Civil Engineering, 1963 – Thesis – Servo Control Systems

Post Graduate Studies: 1964 - M. Sc. Program (NRC Grant) Soil Mechanics and Foundation Engineering.

**MEMBERSHIP IN PROFESSIONAL SOCIETIES:**

- Association of Professional Engineers and Geoscientists – Manitoba (APEGM) Retired
- Engineering Institute of Canada – Past
- Canadian Geotechnical Society – Past
- American Society of Civil Engineers – Past
- Association of Professional Engineers – British Columbia – Past

**LANGUAGE:**

English

**EXPERTISE AND SPECIAL SKILLS:**

Over 45 years engineering experience in successfully managing and providing strong leadership in all aspects of planning, designing, constructing, commissioning and post construction performance evaluation of hydraulic generating stations.

In the past 20 years participated in negotiating two Aboriginal First Nations Comprehensive Compensation and Mitigation Agreements as well as contributing to Environmental studies associated with three potential hydro development projects (Wuskwatim, Keeyask and Conawapa) including First Nations consultation.

Ability to manage and participate on multi-disciplinary and multi-cultural teams.

## **ACHIEVEMENT RECORD**

**December 2009** – Retired after over 45 years of successful practice in the discipline of hydro-electric generation development. Added 1 600 megawatts of new generation to the Manitoba Hydro system.

**1981 to December 2009** – Section and Department Manager- Hydro Power Planning - Power Supply Business Unit

- Responsible for conducting fully integrated conceptual engineering, development and design studies for river basin engineering, in pursuit of full optimization of all potential hydraulic resources within that basin.
- The aforementioned studies addressed all aspects of river reach development including environmental impact, aboriginal participations, mitigation, economics, socio-economics, generation expansion sequences and all other pertinent issues.
- Development options advanced to the stage of “commencement of final design” include 200 megawatt Wuskwatim G.S., (20 metre head) (now under construction), 1 290 megawatt Conawapa G.S. (28 metre head), 600 megawatt Keeyask G.S. (20 metre head)

### **1992 – 1995**

Co-authored with Split Lake Cree member (V. Spence) a 5 volume report titled “Post Project Environmental Review” which documented the history of the Split Lake Cree in the Nelson and Churchill River basins as well as the physical impact of all hydro developments in the Split Lake Cree traditional land use areas and included suggestions for future environmental studies and relationship building.

### **1992 – 2009**

Provincially appointed member on the Split Lake Resource Management Board created under the 1992 Split Lake Comprehensive Implementation Agreement.

### **1978 – 1980**

Manitoba Hydro – Generation Projects Division Resident Engineer/Manager – Long Spruce

Generating Station – Nelson River

**Successfully completed construction and commissioning of a 10 Unit, 1 000 megawatt hydro-electric development ahead of schedule and within budget.**

### **1973 – 1976**

(a) Resident Engineer, - Long Spruce Generating Station

Responsible for management activities such as planning, organizing, coordinating, scheduling and cost control, and commissioning associated with major hydro-electric development.

(b) Resident Engineer – Kettle Generating Station – Nelson River

**Successfully completed construction and commissioning of a 12 Unit, 1 200 megawatt hydro-electric development project.**

**1967 – 1973**

Crippen Acres Engineering Ltd., Winnipeg, Manitoba Design. Consultants to Manitoba Hydro

(a) Senior Liaison Engineer – Kettle Generating Station - Responsible for resolving construction, design and contract problems associated with site construction and commissioning of the Kettle Generating Station for all engineering disciplines.

(b) Geotechnical Design Engineer – Kettle Generating Station  
Responsible for resolution of all geotechnical design, construction and contract problems with the site construction of the Kettle Generating Station.

**1964 – 1967**

G.E. Crippen & Associated Ltd. , Vancouver, B.C. Engineering Consultants

(a) Senior Soils and Explorations Engineer – Kettle Generating Station (Manitoba Hydro)

Responsible for organizing, reviewing, and recommending design parameters for the geotechnical aspects of the Kettle Generating Station based on extensive drilling and sub-surface investigations.

(b) Materials and Exploration Engineer, Mica Creek (B.C. Hydro)

Responsible for organizing and reviewing the quantities, sources and suitability of materials to be used in the construction of the Mica Creek Earth Dam.

(c) Resident Explorations Engineer – Nipawain Development (Sask. Power Corp.)

Responsible for all facets of sub-surface and materials investigation, including the final Geotechnical report for proposed 250 megawatt hydro-electric generation station on the Saskatchewan River.

**PUBLICATIONS:**

During my 47 year career, in excess of thirty-five major engineering reports and publications have been written or have been prepared under my direction.

**CONTACT INFORMATION:**

Mr. B.J. Osiowy

