



# Tracy Casavant

**MANAGING DIRECTOR  
NISP® CANADA & CIRCULAR ECONOMY**



## about

A member of Light House's Executive Management Team, Tracy heads up Light House's circular economy activities. She has a powerful vision of achieving economic advantage at the same time as increasing environmental and community performance. Her technical expertise includes industrial symbiosis, where her leadership led to the launching of the National Industrial Symbiosis Program (NISP®) in Canada. She is an expert on sustainable industrial / employment lands and infrastructure development, delivering projects nationally and internationally.



## expertise

- Industrial Ecology
- Circular Economy
- Environmental Planning
- Sustainable Business
- Planning and development of new eco-business parks
- Developing strategies to transform business districts into eco-business districts



## contact

E: [tracy@lhsbc.com](mailto:tracy@lhsbc.com)  
T: 778.773.0332



## education

### **Master of Environmental Studies**

Dalhousie University – Halifax, NS

### **Bachelor of Applied Science, Chem Eng Hons**

University of British Columbia – Vancouver, BC



## professional experience

### Light House Sustainable Building Centre Society

2011-present

Managing Dir, NISP® Canada & Circular Economy 2017-present

Sr Technical Advisor, Eco-Industrial Services Sep 2015- Oct 2017

Maternity Leave Aug 2014 to Aug 2015

Executive Director Oct 2011 to Aug 2015

### Part-Time Instructor, Industrial Ecology BCIT

Environmental Engineering Technology Program

2010 to present

### President & CEO, Eco-Industrial Solutions Ltd.

2001 – 2011

### Pollution Prevention Analyst, Environment Canada

2000-2001 (6 months)

### Contaminated Sites Project Coordinator, GeoViro

Engineering Ltd. 1995-1998



## project highlights

**National Industrial Symbiosis Program (NISP®) Canada [2017-2019]** Led the delivery of the first North American pilot of the international NISP® model in Metro Vancouver and Greater Edmonton. Structured the pilot project. Responsible for securing and managing \$1M in grant funding from eight different government agencies across three levels of government. Managed a team of 7 staff working on the pilot. The pilot engaged more than 350 businesses and identified \$6.3M CAD in economic benefit to business, 250,000 tonnes of landfill diversion, and 24,000 tonnes CO<sub>2</sub>e of greenhouse gas emission reduction. As a result of the pilot, NISP® Canada efforts are continuing in the pilot regions, and launching in several other regions in Canada. (Light House)

**Gresham Vista Business Park Eco-Industrial Lessons Learned [2016]** The project involved a 'forensic' analysis of the Port's Gresham Vista Business park industrial development, intended to be the Port's pilot of eco-industrial park development. The project included a review of the policy framework, interviews with operational businesses as well as the design and development sector and public sector staff at the Port, City of Gresham, and Portland Metro. The final report included the presentation of lessons learned, including options for increasing eco-industrial performance and industrial symbiosis activity in this and future industrial developments in the region (Light House)

**EcoNewton Road Map, Surrey, BC [2015].** Developed an action plan to transform the West Newton Industrial Area into an eco-business zone. Project included baseline characterization and consultation with businesses and regulators, including stakeholder workshop. (Light House)

**False Creek Flats Green Enterprise Zone Implementation Strategy [2014], Vancouver, BC.** Developed a strategy to transform the False Creek Flats into a green enterprise zone. Project included stakeholder workshops, baseline characterization, and development of implementation recommendations. (Light House, with One Earth and Strathcona Business Improvement Association)

**Eco-Business Zone Guide, Toronto & Region Conservation Authority, ON [2013].** Oversaw and provided significant technical input into the development of a comprehensive guide to develop employment lands as eco-business zones. The guide covered subdivision (including infrastructure), parcel, and building planning and development, and included primer sections on eco-business zones, sustainable infrastructure, and the integrated design process. (Light House)

**Watson Island Sustainable Marine Terminal Master Plan, Prince Rupert, BC [2013]** Led a multi-disciplinary team to develop a concept plan and business plan to de-develop the former Skeena Cellulose pulp mill site into a sustainable marine terminal. Oversaw planning; engineering and landscape design; remediation, demolition, and deconstruction planning; consultation; proforma analysis, and business planning. (Light House)

**TaigaNova Eco-Industrial Park Development Management, Fort McMurray, AB [2006 – 2011]** Managed the development process for this \$90M project from planning through to construction, ensuring that sustainability objectives are met. The project included master planning, rezoning & subdivision planning, preparation of a business plan, creation of a marketing strategy, and managing the infrastructure design to ensure sustainability features were included when economically feasible. (Eco-Industrial Solutions Ltd.)

**Pearson Eco-Business Network Strategy, Greater Toronto Area, ON [2010]** Managed the development of the strategy to create North America's largest eco-business zone, 12,000 ha around Pearson International Airport. This project included a comprehensive business resource baseline; identification of eco-business opportunities; recommendations for municipal policy changes; the development of a governance model; and the creating of a marketing & communications strategy.

### Other Project Experience

- Zone C Development Permit Guidelines, Delta, BC
- Innovista Eco-Industrial Park Concept Plan, Hinton, AB
- Concept & Business Plans for Egyptian Eco-Industrial Park
- City of Edmonton Eco-Industrial Approach Policies and Training, AB
- Feasibility Study for Green Wastewater Treatment Plant, Brazeau County, AB
- Kaizer Meadow Eco-Industrial Park Business Plan, Chester, NS
- City of Spruce Grove Eco-Industrial Plan, AB
- EIN Strategy for City of Greater Sudbury
- Solar Aquatics Pre-Feasibility, Vancouver, BC
- Performance Indicators for Eco-Industrial Parks and Sustainable Industries, Industry Canada