

## City of London - Application for Appointment to City of London Community Advisory Committees

### Application

Committee you are interested in serving on: **Environmental Stewardship and Action Community Advisory Committee**

If applying for the Accessibility Community Advisory Committee, please select:

If applying for the Ecological Community Advisory Committee, a professional designation, education or experience in related fields is a requirement based on the technical nature of the committee work. Please indicate your area(s) of expertise:

If you selected 'Other', please specify:

### Contact Information

Name: **Danita Allick**

City: **London**

Province: **ON**

Postal Code: **N6K2T7**

### Experience and Qualifications

If you have experience on a London Advisory Committee, please provide dates and details. (max. 250 characters): **N/A**

What do you hope to contribute or learn as part of a Community Advisory Committee? (max. 250 characters): **I am a current masters graduate student at the University of Waterloo in Environment and Business and I was hoping to combine that recent experience with my professional engineering background to help and serve on this committee. I am hoping to learn how the process works, how community members can serve the community to make the City of London a better place.**

How will you support the work of a Community Advisory Committee? (max. 250 characters): **I bring with me professional and technical expertise with over a decade of industrial project development experience. I bring with me a willingness to work with my fellow committee members to help the City of London. I bring with me recent, current sustainability and environmental experience as a current graduate student in a reputable professional environmental program.**

Please describe additional experience, training, or community involvement that will help you in your role as a Community Advisory Committee Member. (max. 250 characters): **I have served the community in a number of volunteer positions. I was a board member and Treasurer of the Lawrence House Centre of the Arts in Sarnia. I am a member of the London chapter of the Congress of Black Women. I am a voting alumni member of the University of Toronto Engineering Faculty Council.**

### Confirmations

I declare the following: **I am a resident of London. ; I am at least 18 years old.; I am not a City employee or Council member.; I understand that the commitment may be up to 4 hours per month to attend meetings and prepare.; I understand that my application and any attachments will be included on a public agenda that is published on the City website.**

To help inform our outreach activities, please tell us how you heard about this opportunity: (optional): **Social media**

Submitted on: **2/23/2022 9:48:42 AM**

# DANITA ALLICK, P. ENG

- ✓ Sustainability
- ✓ Optimization
- ✓ Facilities Planning
- ✓ Project Management
- ✓ Economics
- ✓ Risk-Management
- ✓ Chemical Engineering
- ✓ Continuous Improvement
- ✓ Process Design

## PROFESSIONAL EXPERIENCE

**Process Design Engineer | Nova Chemicals** March 2020 - Present

- ✓ Developed capital and expense projects from the idea phase through to the completion of the design phase
- ✓ Performed hazard analysis and developed project business cases in order to ensure a safe and reliable operation
- ✓ Equipment sizing using process design software (Aspen Suite, FluidFlow, iPRSM, etc.)

**Business and Energy Analyst | Imperial Oil** December 2019 - March 2020

- ✓ Completed mass- (feed, products, waste) and energy- (fuel, electricity, steam) balances for the olefins plant
- ✓ Performed variable and fixed cost analysis to determine sources of profitability and loss
- ✓ Reported and presented results to senior management to aid with decision-making

**Economist | Imperial Oil** August 2018 - November 2019

- ✓ Developed work process for newly established economist role for the Chemical plant to maximize profitability
- ✓ Performed off-line model testing of the integrated Ontario-Region PIMS model to validate economic signals
- ✓ Performed weekly PIMS and ROMeO model runs with updated price-sets
- ✓ Performed sensitivity analysis for various constraints and generated economic value for improvement projects

**Senior Process Engineer | Imperial Oil** June 2016 - July 2018

- ✓ Promoted to senior process engineer specializing in olefins production, amine and caustic treating & distillation
- ✓ Developed, maintained and operated the plant's ROMeO optimization model
- ✓ Provided and performed quality reviews of emissions data for regulatory reporting
- ✓ Supported the annual business plan process with unit reliability and production forecasting

**Process Engineer | Imperial Oil** September 2014 - May 2016

- ✓ Provided operations support for gas cracking furnaces and oily water separation at the chemical plant
- ✓ Monitored furnace run length and adjusted key process variables in order to minimize lost ethylene production
- ✓ Record-high furnace reliability, ethylene production and profit during tenure
- ✓ Increased responsibilities to include feed and product supply management as an NGL feed coordinator

**Junior Process Designer | Imperial Oil** March 2013 - August 2014

- ✓ Provided chemical design engineering support for a major capital project (~100M\$)
- ✓ Focused on heat exchanger sizing, PSV sizing, and hydraulics using process design software (Pro-II, HTRI, etc.)
- ✓ Acted as embedded engineer and performed process quality control at third-party engineering office

**Project Manager - Development | Imperial Oil** January 2012 - February 2013

- ✓ Led development of business unit budget item summaries to project design scopes for capital projects up to 4M\$
- ✓ Led contractor engineering specialists to properly scope and develop high-margin or risk reduction projects
- ✓ Authored several design bases in order to accurately provide a +/- 10% estimate for project appropriation

## EDUCATION & CERTIFICATION

<b>2024</b> <i>University of Waterloo</i> Master of Environment & Business (Part-time, Remote)	<b>2015</b> PEO Registered Professional Engineer	<b>2011</b> <i>University of Toronto</i> Bachelor of Applied Science with Honours Chemical Engineering	<b>2007</b> <i>University of Toronto</i> Honours Bachelor of Science Biochemistry
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