

Manufacturing East Connections

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As part of our commitment to Responsible Care, we consult with our communities through opportunities such as open houses about our facilities, operations and growth plans.

Community-focused in growth and operations

Community outreach, involvement and engagement are important to us at NOVA Chemicals.

We believe that sustainable business success involves building relationships with our stakeholders and positively contributing to the communities where we have a presence.

As part of our commitment to Responsible Care®, we consult with our communities about our facilities, operations, and growth plans in order to share information, seek input and respond to questions or concerns. We regularly create opportunities for open, meaningful dialogue with our communities, partners and near neighbours. We use this input to develop safe, supportive and sustainable approaches to the way we do business.

In June, we welcomed more than 60 community members to the first of two planned open houses this year. During the event, employees from our facilities across Manufacturing East shared information on our current operations, growth projects and future plans. If you took the time to visit us at this event, thank you for participating! More information about the next open house can be found on Page 3.

We are a proud member of the Bluewater Community Advisory Panel (BCAP) and will host this group of volunteer community members, along with industry colleagues, at our



Corunna facility in November. BCAP gives us a strong link to people who live and work in the Sarnia-Lambton region and we use this forum to communicate and engage on topics of interest and importance.

Our annual near-neighbour supper night will also take place this November and we look forward to connecting with those who reside close to our facilities. Invitations and information will be shared soon.

In addition to these communication and engagement activities, being community-focused also means actively investing in the well-being of our communities. We lend a hand to organizations dedicated to making a difference and improving quality of life. From our robust United Way campaign, to partnering with Aamjiwnaang First Nation to clean up the St. Clair River shoreline, our leaders and employees engage in the health and safety of our community year-round.

Tom Thompson
Regional Manufacturing Director

In our community

Taking Care in Sarnia-Lambton through the United Way

United Way is NOVA Chemicals' charity of choice and the principal way our company takes care of community service needs in North America. Our partnership with United Way stems from our collective interest to go beyond temporary fixes to create lasting change that improves lives and lifts up entire communities.

Last year in Manufacturing East, we had our most successful campaign to date and raised over \$257,000! As part of our 2016 campaign kick-off, 18 of our employees went out into the community and participated in the Day of Caring® Program — giving back by painting, gardening, renovating and helping others.

The Day of Caring gives people the opportunity to complete a meaningful project for a local not-for-profit or individual in need in Sarnia-Lambton. This is a great way to become more engaged and make a difference in our community on the ground level, and volunteers gain first-hand knowledge of how United Way dollars are making positive impacts on the lives of those in need, right here in Lambton County.



As part of our 2016 campaign kick-off, 18 of our employees volunteered for the United Way Day of Caring Program — helping to make a difference in our community.

Keeping shorelines clean by working together

Taking care in our communities and collaborating with others are activities that come naturally to NOVA Chemicals employees. Recently in Manufacturing East, we had the opportunity to do both when we took part in the Great Canadian Shoreline Clean-Up.

The Great Canadian Shoreline Clean-Up is a national program aimed at raising awareness and changing attitudes about shoreline litter. Litter is bad for waterways and dangerous to wildlife and people. Clean-ups inspire outdoor activity and community involvement while creating positive change and awareness of the trash we produce.

NOVA Chemicals was proud to work with Aamjiwnaang First Nation this year. Our collective efforts removed 11 bags of garbage and nine bags of recycling from the beautiful St. Clair River shoreline.

Whether discarded deliberately or accidentally, all shoreline litter is the result of human activities. We encourage you to do your part to keep our shorelines clean and safe!



Together with Aamjiwnaang First Nation, we collected 11 bags of garbage and nine bags of recycling off of the St. Clair River shoreline this year.

Update on NOVA 2020 Growth Projects

We are currently working on several permit applications that support our growth plans. If you are interested in more information, or if you have questions or suggestions, please contact us (see page 4 for contact details). Please visit our web site for an overview of potential future growth projects in this region: www.novachem.com/pages/sarnia-lambton/sarnia-news.aspx.

Sewage Works Permits

Water is important to our operations, and our management programs focus on minimizing our impact on this valuable resource. We currently collect rainfall from both non-process and process areas in our facilities and discharge that rainfall in two ways:

Rainfall collected from non-process areas

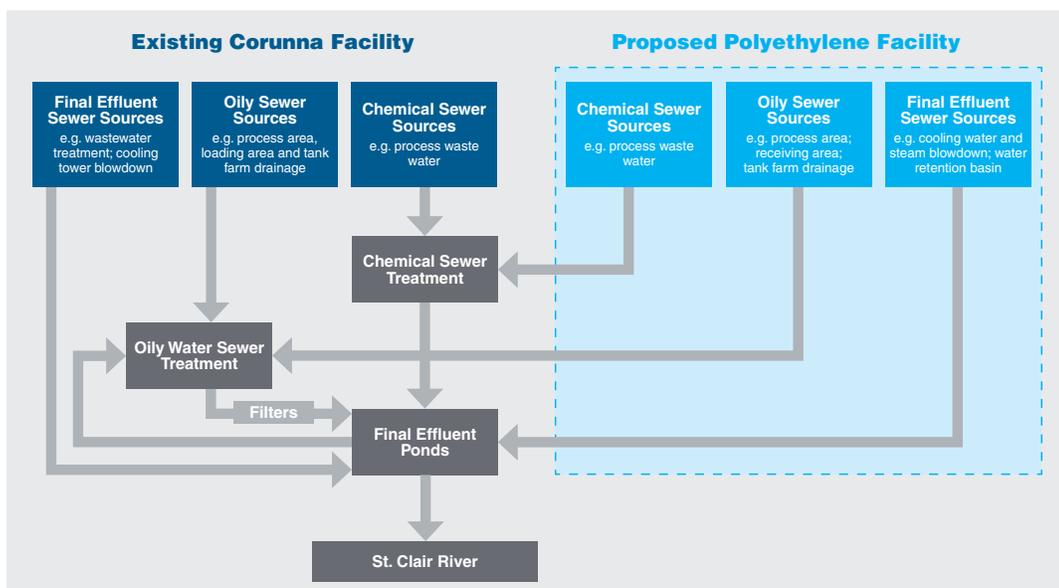
This is rainfall collected from areas of our facility where there is no potential for process-related releases. These include rail yards, building roof tops, naturalized land, undeveloped land, roadways and parking lots. Rainfall is collected by the stormwater drainage system and directed to a stormwater management pond before release to a local municipal drain — the Allingham Drain.

We are currently developing plans to build a new stormwater management pond and make enhancements to the Allingham Drain. This work is required to accommodate rainfall collected from non-process areas of the proposed new polyethylene facility.

Rainfall collected from process areas

This is rainfall collected from our facility that may have come in contact with process equipment or production, and is presumed to require treatment. This water goes through extensive testing on-site through our wastewater collection and treatment system. Testing and treatment are done to meet regulatory obligations and strict environmental standards before water is discharged off-site and back to the St. Clair River.

Any process wastewater that will come from the proposed polyethylene facility will also go through the existing wastewater collection and treatment system at the Corunna Site. Our existing Corunna Site wastewater treatment facilities have sufficient capacity to handle the increased flows and contaminant loads from the proposed polyethylene facility. All existing Municipal-Industrial Strategy for Abatement (MISA) limits will continue to be met as will existing permit effluent criteria.



This chart provides an overview of the waste water collection and treatment system for our existing Corunna facility, and the planned enhancements / tie-ins to the system if our proposed polyethylene facility goes ahead.

An opportunity to connect

Community outreach is important to NOVA Chemicals. We make concerted efforts to understand and respond to feedback and seek input about our plans and operations through public consultation and communication. We use this input to develop solid, practical and meaningful approaches to the way we do business. We value your opinion!

We welcomed more than 60 community members to our most recent open house in June. During the event, employees from

our facilities across Manufacturing East shared information on our current operations, growth projects and future plans.

As part of our commitment to staying connected with you, we will host another open house this fall. Event information can be found on our website at <http://www.novachem.com/Pages/sarnia-lambton/sarnia-news.aspx> and we encourage you to join us!

Our Sustainability Report highlights our commitment to responsible operations

Our work at NOVA Chemicals results in plastic products that take care of food, water and other goods vital to life. To enable these products, we must first take care of the people, places, materials and processes that make them possible. We take care with respect to our operations, communities, products and the environment. Taking Care is a way to think and a way to work. It's our particular approach for putting Responsible Care into practice.

At NOVA Chemicals, we believe we can help shape a world where the products vital to health and happiness are even better tomorrow than they are today. We are dedicated to being a leader in innovation that enables our customers to deliver products that make everyday life healthier, easier and safer. This starts with creating plastics solutions that are consistent and reliable; that perform as they are meant to perform and that adhere to the highest quality standards. This is the

foundation of our commitment to behave responsibly, while creating opportunities for our employees, delivering value to our stakeholders and taking care of our planet.

In our 2015 Sustainability Report, we discuss how NOVA Chemicals is addressing environmental and societal considerations through our value chain. We see the report as a commitment to transparency and accountability, a demonstration of our current performance and an ongoing tool in a continual improvement process.

Learn more and read our full report online at www.novachemicals.com. Click on Responsible Care & Sustainability.



PERT manual now available

In accordance with National Energy Board (NEB) Order MO-006-2016, NOVA Chemicals' Manufacturing East Pipeline Emergency Response Team (PERT) Manual is now available online for public viewing.

This manual covers emergency response plans applicable to all of our pipelines, including those regulated by the NEB. For access and more information, please visit <http://www.novachem.com/Pages/company/pipeline-operations.aspx>.



Am I Ready?

Before I start or restart any task, am I...

- Knowledgeable of the risks and competent to perform the task?
- Physically and mentally prepared to begin the task?
- Responsive to changing conditions?

Connections is published by NOVA Chemicals Corporation

If you have any questions, suggestions or concerns, please contact:

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For more information, please see these websites:

- www.novachem.com/pages/sarnia-lambton/sarnia-lambton.aspx
- Chemistry Industry Association of Canada: www.canadianchemistry.ca
- American Chemistry Council: www.americanchemistry.com

