

AAMJIWNAANG FIRST NATION

# Notification Report

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May 2016

**Wilson Plain Jr. – Emergency Management Planner**

**June 8, 2016**

Report of notifications received from local industries, CVECO, Ministry of the Environment and Climate Change (MOECC) and MyCNN notification system

# Notification Report

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Emergencies or Incidents reported for the month of **May, 2016**.

- 52 notifications were received
- 5 phone calls, 0 text messages, 8 emails and 21 “MyCNN” notifications were received
- A total of 2 CVECO Codes were issued. 19 CVECO Information Notices were issued.
- 18 Information emails were received from MOECC regarding incidents
- 10 Aamjiwnaang Notifications were issued regarding incident/information notices

Community Inquiries: 2 phone calls were received from community members regarding incidents near Aamjiwnaang.

Date	Time of Issue	Time of All Clear ?	Company	Type of Notice	Description Received	ANS or FB ?
May 1	7:10 am	6:09 pm	Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil at 602 Christina street south has been issued for unit start up.	
May 2	9:48 am	6:00 pm	Suncor	CVECO Information Notice	An Information has been issued for Suncor at 1900 St Clair Parkway. On site fire training today. Training to be completed by 1600 hours today.	
May 3	11:46 am		Unknown	MOECC Information Email >>> (SAC)	<p><b>MOECC Reference Number:</b> 7166-A9LK83</p> <p><b>Date and Time:</b> May 3, 2016, time of occurrence is unknown</p> <p><b>Company Name (if known) and Location of Incident:</b> Unknown company, occurred at 1025 Degurse Drive, Sarnia</p> <p><b>What has occurred?</b> Undetermined substance suspected to be liquid Betaine Solution by undetermined source spilled to gravel and ditch.</p> <p><b>What Action is being taken?</b> City of Sarnia and Canslow Environmental are on site performing the clean-up.</p> <p><b>Other agencies involved (if known):</b> MOECC Sarnia District Office, City of Sarnia</p> <p><b>Updates Expected:</b> No</p>	FB
May 3	12:16 pm		Suncor	Email Notification	As part of our regular inspection and maintenance program, we will be conducting an aerial inspection of our main flare tip. It is expected this will take place in the next few days, possibly as early as this afternoon (Tuesday, May 3). We have secured the necessary approvals and permissions from Transport Canada as we will be using an unmanned aircraft (drone) for this work. You can expect to see a drone in the vicinity of our main flare for approximately 2-3 hours.	FB

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					Please let me know if you have any questions, Jennifer Johnson Senior Advisor, Communications & Stakeholder Relations	
May 4	3:18 pm	6:17 pm	Shell	MOECC Information Email >>> (SAC)  CVECO Information Notice  Email from Shell >>>	<p><b>MOECC Reference Number:</b> 3844-A9MQAC  <b>Date and Time:</b> 2015/05/04, 15:05  <b>Company Name (if known) and Location of Incident:</b>            Shell Canada  <b>What has occurred?</b>            Startup of Boiler, venting steam and may cause some associated noise.  <b>What Action is being taken?</b> None  <b>Other agencies involved (if known):</b> N/A  <b>Updates Expected:</b> NO</p> <p>An Information has been issued for shell XJF737 for unit start up start time was 1505</p> <p>Please be advised Shell Manufacturing Centre in Corunna is restarting equipment this afternoon (May 4). This is a planned activity that will result in steam venting this evening and potential for noise to be heard offsite. The Ministry of Environment has been notified. We will keep the CAER line updated at 1-855-4SARNIA.            Community members who have questions can call me directly at 519-330-4723.            Kristina Zimmer            Shell Sarnia Manufacturing Centre</p>	<b>ANS /FB</b>
May 4	8:41 pm		Suncor	MOECC Information Email >>>	<p><b>MOECC Reference Number:</b> 8404-A9N25H  <b>Date and Time:</b> 04May2016 @ 20:10  <b>Company Name (if known) and Location of Incident:</b>            Suncor Energy Products Inc            1900 River Road, Sarnia  <b>What has occurred?</b>            -Flaring increase for 24 - 36 hrs starting at approx. 20:10 on 04May2016  <b>What Action is being taken?</b>  <b>Other agencies involved (if known):</b>  <b>Updates Expected:</b> No</p>	
May 5	3:23 pm	7:34 am May 9	Enbridge	CVECO Information Notice	An Information has been issued for Enbridge Pipelines at 1010 Plank Road in Sarnia for routine maintenance work to be conducted, with the potential for petroleum odors. This is scheduled for Friday, the sixth of May beginning at eight in the morning.	
May 6	6:59 am	4:06 pm May 7	Shell	CVECO Information Notice >>>	An Information has been issued for shell XJF737 for boiler start up of the at 0732 possibly loud noise steam venting Please be advised Shell Manufacturing Centre in Corunna is restarting equipment today (May 6). This	<b>ANS</b>

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				Email from Shell >>>	<p>is a planned activity that will result in steam venting this evening and potential for noise to be heard offsite. The Ministry of Environment has been notified. We will keep the CAER line updated at 1-855-4SARNIA.</p> <p>Community members who have questions can call me directly at 519-330-4723.</p> <p>Kristina Zimmer Shell Sarnia Manufacturing Centre (8:19 am)</p>	
May 6	4:47 pm		Unknown	MOECC Update Email >>>	<p><b>Update Information E-Mail – Odour Complaint in area of Tashmoo Ave and LaSalle Line</b></p> <p><b>MOECC Reference Number:</b> 4007-A9DFV3  <b>Date and Time Incident Occurred:</b> April 26, 2016 @ 7:45 am  <b>Date and Time Incident Reported to MOECC:</b> April 26, 2016 @ 7:48 am  <b>Company Name (if known) and Location of Incident:</b>          The source of the odour could not be confirmed. The odour was observed in the vicinity of Tashmoo Ave. and LaSalle Line.  <b>What has occurred?</b>          A resident called the Ministry’s Spills Action Centre to report a pungent odour.  <b>What Action is being taken?</b>          An Environmental Officer was dispatched to attempt to confirm the presence and source of the odours. The officer checked the wind direction and noted it was from the North at the time of the complaint. The officer inspected the area at approximately 8:56 am on April 26, 2016. The officer detected an odour that was moderate in strength further up-wind along Churchill Line. The officer contacted a company in the vicinity to determine if there were any operational issues or process upsets that may have caused the odour. The facility was in the process of performing plant maintenance shut-down activities and committed to increase their inspections and monitoring around the facility for odours. The company also adjusted shut-down activities that may have been contributing to the odour. The officer detected a second odour in the vicinity of Churchill Line that was moderate in strength and more widespread. The officer contacted a second company to determine if there were any operational issues or process upsets that may have caused the odour. The company was not experiencing any operational issues and advised they would conduct a check of their facility for any potential odours. The company was not able to identify any sources of odourous emissions. Ministry staff attended the area of the resident at approximately 9:38 am and did not observe odours at that time.          The officer checked the air monitoring station at the Aamjiwnaang Health Centre at Tashmoo Ave. and</p>	FB

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					<p>LaSalle Line and the Sarnia-Lambton Environmental Association (SLEA) air monitors. There was no detections of contaminants from the SLEA air monitors. There were some elevated levels of sulphur dioxide from approximately 7:30 am to 12:00 pm on April 26, 2016 at the Aamjiwnaang station. The levels were below ministry's Ambient Air Quality Standards for sulphur dioxide.</p> <p><b>Other agencies involved (if known):</b> No other agencies are involved.</p> <p><b>Updates Expected:</b> No further updates expected.</p>	
May 6	5:59 pm		Quala	<p>MOECC Update Email &gt;&gt;&gt;</p>	<p><b>Update Information E-Mail – Canadian Tank Cleaning Spill of Betaine to Ground</b></p> <p><b>MOECC Reference Number:</b> 7166-A9LK83  <b>Date and Time Incident Occurred:</b> Unknown  <b>Date and Time Incident Reported to MOECC:</b> May 3, 2016 @ 10:40 am  <b>Company Name (if known) and Location of Incident:</b>            On Canadian Tank Cleaning Property – Unknown truck source, 1025 Degurse Drive, Sarnia</p> <p><b>What has occurred?</b>            The company called the Spills Action Centre (SAC) to report a spill of approximately 110 to 190 litres of Betaine solution (a product used in animal feed) from a tanker truck to the ground and to a nearby ditch.</p> <p><b>What Action is being taken?</b>            The City of Sarnia and a clean-up contractor attended the site to contain and clean up the spilled material. Due to the spill occurring at Aamjiwnaang First Nation, SAC notified Environment and Climate Change Canada.</p> <p>Ministry staff inspected the site at approximately 12:25 pm on May 3, 2016. At the time of the inspection, ministry staff observed booms in the ditch and noted that the material was contained within the ditch. The truck that was responsible for the spill was no longer at the site. Ministry staff observed the clean-up contractor with a vacuum truck removing the spilled material from the ditch. Ministry staff instructed the contractor to keep the ministry informed of clean-up progress by providing updates to SAC.</p> <p>The company subsequently arranged for removal of impacted soil from the ditch and placement into a bin on May 4, 2016 for further testing, so that disposal requirements could be confirmed.</p> <p>Ministry staff inspected the site again on May 5, 2016 and observed some residual product that required removal. The company was made aware of the need to remove this residual product and ministry staff will continue to monitor clean-up activities until complete.</p>	FB

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					<p><b>Other agencies involved (if known):</b> City of Sarnia, Environment and Climate Change Canada</p> <p><b>Updates Expected:</b> No further updates.</p>	
May 6	5:55 pm	7:12 pm	CN	CVECO Code 5	Code 5 was issued for CN RAIL 699 Mcgregor Side Road for Vapour Release of Hydrogen Sulfide.	<b>ANS</b>
May 7	8:12 pm	9:39 pm May 14	Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil at 602 Christina street South for loud noise, due to unit shutdown.	
May 8	12:15 pm		Imperial Oil	<p>News Release</p> <p>MOECC Information Email &gt;&gt;&gt; (SAC)</p>	<p>Imperial's main boiler is being taken out of service today. As a result, the plume from the site's main boiler stack may be darker than normal. Personnel are taking steps to minimize emissions during the boiler outage. Imperial does not expect emissions from the outage to exceed government guidelines. Testing conducted during past unplanned boiler outages indicates emissions have not exceeded health related air quality standards. Supplemental testing is being carried out during the outage to ensure emissions remain within government guidelines. The Ministry of Environment and Climate Change and the community have been notified. It is currently anticipated this will have no impact on supply of refined products. Members of the public who would like more information can call Imperial's 24-hour plant operations line at 519-339-5666. Media should contact Imperial community affairs at 519 339-4015.</p> <p><b>MOECC Reference Number:</b> 6540-A9RLX8 <b>Date and Time:</b> (May 8th, 1215 hrs, (May 8th @ 1211 hrs reported to MOECC) <b>Company Name (if known) and Location of Incident:</b> Imperial Oil, 602 Christina St S, Sarnia</p> <p><b>What has occurred?</b> There will be an unplanned outage of the CO Boiler. The stack will be experiencing elevated opacity. No particulate fallout expected. Caller confirms that they will be monitor downwind. The outage is due to a water leak on the CO Boiler</p> <p><b>What Action is being taken?</b> The length of repair is not known until the CO Boiler has been shutdown. Caller will update SAC by 1900 hrs. CVECO Code 8 (darker than normal CO boiler stack) has been issued.</p> <p><b>Other agencies involved (if known):</b> (Aamjiwnaang First Nation)</p> <p><b>Updates Expected:</b> (YES)</p>	<b>FB</b>

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May 8	4:28 pm		Styrolution	MOECC Information Email >>> (SAC)	<p><b>MOECC Reference Number:</b> 0658-A9RQWY  <b>Date and Time:</b> May 8, 2016, 11:35  <b>Company Name (if known) and Location of Incident:</b> INEOS Styrolution, 872 Tashmoo Avenue, Sarnia  <b>What has occurred?</b>  Ethylbenzene liquid release within equipment air system for less than 1 minute.  <b>What Action is being taken?</b>  Air system was shut down and liquid was removed from system.  <b>Other agencies involved (if known):</b>  MOECC Sarnia District Office  <b>Updates Expected:</b>  No</p>	FB
May 9	2:13 pm	4:14 pm	Suncor	CVECO Information Notice	<p>An Information has been issued for Suncor XJF738 for on-site fire training. As a result there may be movement of fire trucks, as well as use of the high pressure fire water. The start time was 12:33 hours, and will be complete by 16:00 hours.</p>	
May 10	12:28 pm		Styrolution	MOECC Information Email >>> (SAC)	<p><b>MOECC Reference Number:</b> 8276-A9TLKD  <b>Date and Time:</b> 10/09/2016  <b>Company Name (if known) and Location of Incident:</b> Styrolution Canada- 872 Tashmoo Ave, Sarnia  <b>What has occurred?</b>  Company has been and is continuing to perform air monitoring within the surrounding community and will decommission a Crude Ethyl Benzene Tank today. No off site impacts are expected.  <b>What Action is being taken?</b> Continued monitoring.  <b>Other agencies involved (if known):</b>  n/a  <b>Updates Expected:</b>  Yes- Contact District Office</p>	FB
May 10	5:23 PM	11:38 am May 11	Enbridge	CVECO Information Notice	<p>An information has been issued for Enbridge at 101 plank road for routine maintenance with the potential for petroleum odors. Work is scheduled to start Wednesday May 11 at 06:00 hours.</p>	
May 11	1:06 pm		CN	MOECC Information Email >>>	<p><b>Initial Notification E-Mail – Hydrogen Sulphide Vapours from Rail Tank Car – CN Rail Yard May 11, 2016</b>  <b>MOECC Reference Number:</b> 6337-A9PUYC  <b>Date and Time of Incident:</b> May 6, 2016 @ 5:44 pm  <b>Date and Time Reported to MOECC:</b> May 6, 2016 @ 6:59 pm  <b>Company Name (if known) and Location of Incident:</b>  CN Rail Yard, 699 McGregor Side Road, Sarnia  <b>What has occurred?</b>  The Ministry of Health and Long Term Care’s Emergency Management called the ministry’s Spills</p>	FB

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					<p>Action Centre (SAC) to request additional information on a spill of hydrogen sulphide from a CN rail car. A tank car filled with molten sulphur was leaking hydrogen sulphide due to an improper gasket seal. There was no spill to the ground. Sarnia Police and Sarnia Fire Rescue Services attended the site.</p> <p><b>What Action is being taken?</b> SAC contacted CN Rail for additional details on the incident and dispatched the ministry's Environmental Response Person. At the time of the ministry's site inspection at 8:15 pm, the issue had been resolved, no odours could be detected downwind and the rail car had been moved from the area. CN Rail updated SAC to report that the gasket on the rail car had been repaired and the rail car was released for transport.</p> <p><b>Other agencies involved (if known):</b> Sarnia Police and Sarnia Fire Rescue Services CANUTEC Ministry of Health and Long Term Care</p> <p><b>Updates Expected:</b> No further updates.</p>	
May 12	9:13 am	12:43 pm	Shell	<p>Email Notification</p> <p>CVECO Information Notice</p>	<p>Please be advised Shell Manufacturing Centre in Corunna will be <u>testing</u> its internal alarm system at 12:30pm Thursday, May 12. The alarm may be heard offsite, but it is only a test. If you have any questions, please call me at 519-330-4723.</p> <p>Thanks, Kristina Zimmer External Relations Advisor Shell Sarnia Manufacturing Centre</p> <p>An Information has been issued for shell XJF737 for internal plant alarm testing. Sounds may be heard from within plant. Start time is 1230 hours</p>	FB/ANS
May 14	2:50 am	3:15 am	Bioamber	<p>CVECO Information Notice</p>	<p>An Information has been issued for Bio Amber for process work water entered into storm sewer drain, approximately 20 cubic metres. Spills action centre and City of Sarnia notified by Bio Amber. Occurred at approximately 2030 hours. Information code issued at the request of Cal Gardner.</p>	
May 14	1:34 pm	5:03 pm May 15	Shell	<p>CVECO Information Notice</p> <p>MOECC Information Email &gt;&gt;&gt; (SAC)</p>	<p>An Information has been issued for shell XJF737 at 150 saint clair parkway, corunna for regen.unit start up on the cr3</p> <p><b>MOECC Reference Number:</b> 5600-A9XMWK <b>Date and Time:</b> 2016/05/13 12:58 <b>Company Name (if known) and Location of Incident:</b> Shell Canada - 150 St.Clair Pkwy, St.Clair, ON <b>What has occurred?</b></p>	FB

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					<p>Start up on the CR3 reactor after maintenance was completed. No additional flaring, emissions or noise expected during start-up.</p> <p><b>What Action is being taken?</b> MOE to be updated when start-up complete.</p> <p><b>Other agencies involved (if known):</b> None</p> <p><b>Updates Expected:</b> No</p>	
May 16	11:25 am		Shell	Information Email >>>	<p>Shell Manufacturing Centre in Corunna plans to clean equipment at the refinery. The work is scheduled to begin Tuesday, May 17 and last approximately two days. Shell is taking measures to mitigate potential for odours outside of the facility during this activity. Perimeter air monitoring will also be implemented during the course of this work.</p> <p>Please contact Kristina Zimmer, Shell External Relations at 519-481-1135 or kristina.zimmer@shell.com for additional information.</p>	FB
May 16	12:05 pm		Styrolution	MOECC Information Email >>> (SAC)	<p><b>MOECC Reference Number:</b> 6376-A9ZL3X</p> <p><b>Date and Time:</b> 2016/05/15 19:10</p> <p><b>Company Name (if known) and Location of Incident:</b> INEOS Styrolutions, 872 Tashmoo Ave, Sarnia</p> <p><b>What has occurred?</b> ~30L of Polyethylbenzene Havies (PEB Heavies) spilled to cement pad while doing maintenance.</p> <p><b>What Action is being taken?</b> 2016/05/15 spill was contained and cleaned. Sarnia MOECC office briefed.</p> <p><b>Other agencies involved (if known):</b></p> <p><b>Updates Expected:</b> no</p>	FB
May 16	2:38 pm		Styrolution	MOECC Update Information Email >>>	<p><b>Update Information E-Mail – INEOS Styrolution Ethylbenzene Spill</b></p> <p><b>MOECC Reference Number:</b> 0658-A9RQWY</p> <p><b>Date and Time Incident Occurred:</b> May 8, 2016 @ 11:35 am</p> <p><b>Date and Time Reported to MOECC:</b> May 8, 2016 @ 3:32 pm</p> <p><b>Company Name (if known) and Location of Incident:</b> INEOS Styrolution, 872 Tashmoo Avenue, Sarnia</p> <p><b>What has occurred?</b> The company called the Ministry's Spills Action Centre to report a spill of liquid ethylbenzene within a piece of equipment for less than a one-minute period.</p> <p><b>What Action is being taken?</b> The company identified the leak and stopped the spill. The material remained on the company's site and the company hired a contractor to clean up the spill. Ministry staff contacted the company for further details on May 9, 2016. The ministry required the company to submit a report to the ministry with a root cause analysis of the spill and actions taken to prevent a re-occurrence.</p> <p><b>Other agencies involved (if known):</b> None</p> <p><b>Updates Expected:</b> No further updates.</p>	FB

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May 16	3:42 pm	1:56 pm May 17	Shell	Email Notification  CVECO Information Notice	Shell Manufacturing Centre in Corunna is repairing process equipment at its refinery today (May 16). As a result, there will be elevated flaring during the afternoon and evening. We will keep the CAER industry line updated at 1-855-4SARNIA or 1-855-472-7642. Please feel free to give me a call at 519-330-4723 with any questions. Thanks, Kristina Kristina Zimmer Shell Sarnia Manufacturing Centre Email: <a href="mailto:kristina.zimmer@shell.com">kristina.zimmer@shell.com</a>  An information only has been issued for Shell Canada at 150 saint clair parkway for possible high flare and colour change. (4:12 pm)	ANS /FB
May 16	4:17 pm		Enbridge	CVECO Information Notice	An information has been issued for Enbridge Pipelines at 1010 Plank road for routine maintenance work with the potential for petroleum odors.	
May 17	6:35 pm	3:26 pm May 19	Shell	CVECO Information Notice	An Information has been issued for shell XJF737 for cleaning refinery equipment in corunna. Additional lighting may be noticeable and there is potential for increased noise. The start time was 1615 hours	ANS
May 18	7:58 am		Arlanxeo	Information Notice	Medical emergency on site. Code 8 issued	
May 18	4:02 pm	6:34 am May 31	Suncor	Email Notification	I wanted to let you know that the Suncor Sarnia refinery is currently in the process of re-starting units following regular maintenance activities. During this time there is the potential for intermittent periods of visible flaring as well as a possible increase in noise levels. As always, we will make every effort to minimize the need for flaring. We have also shared this information via the CAER Industry Update Line: 1-855-472-7642. Jennifer Johnson Senior Advisor, Communications & Stakeholder Relations Refining and Marketing Suncor Energy, Sarnia Refinery	ANS /FB
May 18	11:29 pm		Suncor	MOECC Information Email >>> (SAC)	<b>MOECC Reference Number:</b> 1413-AA44SV <b>Date and Time:</b> May 18th 22:10 <b>Company Name (if known) and Location of Incident:</b> Suncor Sarnia - 1900 River Rd <b>What has occurred?</b> Noise complaint from resident	FB

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					<p><b>What Action is being taken?</b> SAC contacted company <b>Other agencies involved (if known):</b> n/a <b>Updates Expected:</b> No</p>	
May 23	9:37 am		Styrolution	MOECC Information Email >>> (SAC)	<p><b>MOECC Reference Number:</b> 8167-AAHF3 <b>Date and Time:</b> 2016/05/23 at 0835 <b>Company Name (if known) and Location of Incident:</b> INEOS Styrolution Canada at 872 Tashmoo Avenue, Sarnia <b>What has occurred?</b> 5 L of styrene to cement pad <b>What Action is being taken?</b> The spill is being cleaned up. <b>Other agencies involved (if known):</b> no <b>Updates Expected:</b> NO</p>	FB
May 24	1:53 pm		Shell	MOECC Update Email	<p><b>Update Information E-Mail – Shell Canada - Report of Odour and Shelter in Place Advisory</b></p> <p><b>MOECC Reference Number:</b> 6424-A9ES9G <b>Date and Time Incident Occurred:</b> April 27, 2016 @ 4:19 pm <b>Date and Time Incident Reported to MOECC:</b> April 27, 2016 @ 4:40 pm <b>Company Name (if known) and Location of Incident:</b> Shell Canada Products, 150 St. Clair Parkway, Corunna <b>What has occurred?</b> The Ministry's Spills Action Centre received a call from Shell Canada reporting that they had received a call from a resident, living in the Corunna area, expressing concern about experiencing physical symptoms associated with an odour. Shell informed the ministry's Spills Action Centre that an odour had been confirmed on-site at their facility. The company was attempting to determine the source of the odour. The winds were from the north, northeast at the time of the complaint. <b>What Action is being taken?</b> Shell reported to the ministry that their staff and a third party consultant conducted air quality monitoring and measured benzene in the community south of their fenceline at a concentration of approximately 0.50 ppm. The Deputy Fire Chief issued a CVECO code 6 for traffic control and shelter in place in Corunna at approximately 6:23 pm. The ministry initiated notifications to Aamjiwnaang First Nation, Health Canada, Environment Canada, and Michigan State Police as per standard procedure for spills to air. The ministry also dispatched the Environmental Response Person for the Sarnia District Office, and continued to gather information on the incident. The shelter in place was subsequently lifted at approximately 8:15 pm. Ministry staff inspected the site at approximately 8:15 pm and discussed the details of the incident with the company. The ministry identified two</p>	FB

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					<p>potential sources related to the reported emissions. These two areas were being examined in more detail by the company and the ministry. The company continued air sampling throughout the night. The ministry's regional air monitoring van was dispatched and arrived in the area at approximately 1:00 am on April 28, 2016. Two air samples were taken at upwind locations, and five air samples were taken at downwind locations. Benzene was detected in one of the upwind samples at .018 ppm. In the downwind samples, benzene was detected in a sample at a concentration of .024 ppm, and .019 ppm in another sample. Based on these results, the ministry required the company to collect additional air samples.</p> <p>In assessing these air monitoring results, the ministry considered Emergency Screening Values (ESVs) as a way to determine the health risk of short-term exposures. These values were created by the ministry to assist first responders (Fire officials) during emergency events such as fires or spills. The ESVs are used by first responders to assess contaminants in air and to inform decisions as they relate to:</p> <ul style="list-style-type: none"><li>Ø Evacuations;</li><li>Ø Shelters-in-place; and</li><li>Ø Returning to the area.</li></ul> <p>The maximum concentrations measured by both the ministry and the company, and at the Aamjiwnaang First Nation air monitoring station, from April 27, 2016 to May 3, 2016, were all well below the ministry's Emergency Screening Values of 52 ppm for 1 hour, and 4.5 ppm for 8 hours.</p> <p>The ministry also assessed the results against guideline values used for the protection of the public in the event of short term repeated exposures. With the exception of benzene, the maximum concentrations of all contaminants measured on April 27 to April 29 were below these guidelines. Although benzene exceeded the guideline of 0.18 ppm on April 27, a review of available toxicity information indicates that an adverse health effect at this concentration is not likely in short-term repeated exposures.</p> <p>The ministry has made Lambton Public Health aware of the above findings.</p> <p>Despite the findings from the air monitoring, the ministry is aware of several individuals reporting that they were affected by emissions at the time the incident initially occurred and ministry staff are continuing to follow-up on those complaints. Ministry staff are also following up to ensure that the company takes the necessary actions to determine the source and cause of the odours, including measures to prevent a re-occurrence. Ministry staff</p>	
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					<p>will be reviewing the results of additional air monitoring, reviewing additional information provided by the company, assessing potential human health concerns to determine the appropriate follow-up compliance actions.</p> <p><b>Other agencies involved (if known):</b> Health Canada, Environment Canada, Michigan State Police, Ministry of Health and Long Term Care Emergency Operations, Office of Fire Marshal and Emergency Management Response, Lambton Public Health</p> <p><b>Updates Expected:</b> No further updates expected at this time.</p>	
May 24	1:57 pm		Unknown	MOECC Update Email	<p><b>Update Information E-Mail – Regional Air Monitoring and Elevated Benzene Levels</b></p> <p><b>MOECC Reference Number:</b> 1408-A9GSVV <b>Date and Time Incident Occurred:</b> April 29, 2016 @ 1:36 pm <b>Date and Time Incident Reported to MOECC:</b> April 29, 2016 @ 5:07 pm <b>Company Name (if known) and Location of Incident:</b> Ministry air sampling in the vicinity of Tashmoo Ave and Churchill Line at Aamjiwnaang Administration office.</p> <p><b>What has occurred?</b> Ministry staff were conducting air quality monitoring in and around the Aamjiwnaang First Nation community on April 29, 2016 and detected elevated levels of benzene near the administration office at Tashmoo Ave. and Churchill Line. Winds were from the north/northeast at the time of the sampling. The level of benzene detected was .050 ppm for a sample taken between 1:36 pm and 2:06 pm.</p> <p><b>What Action is being taken?</b> Ministry staff contacted the Spills Action Centre to report the elevated levels. The ministry’s Environmental Response Person was dispatched, inspected the area, and conducted an odour check at approximately 8:45 pm. Ministry staff observed a slight odour near the Aamjiwnaang First Nation administration building. Ministry staff inspected the INEOS Styrolution facility and spoke with plant employees on a possible cause of the benzene readings. The company reported that they were in the process of a maintenance shut down. The company also advised that they had noticed an odour at their site at approximately 12:00 pm on April 29, 2016 and determined that the odour was associated with water containing hydrocarbons in their on-site drainage system. The company deployed vacuum trucks to remove the water from the drains and send it for treatment. The company reported that air monitoring at their south fenceline</p>	FB

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					<p>started at approximately 8:00 am that day, which did not detect volatile organic compounds. Since the company was uncertain as to whether the odour associated with the on-site drainage system was the source of the elevated benzene levels detected by the ministry earlier in the day, ministry staff instructed the company to retain a qualified 3<sup>rd</sup> party consultant to conduct community air monitoring.</p> <p>In assessing the results of the air monitoring, the ministry considered Emergency Screening Values (ESVs). These values were created by the ministry to assist first responders (Fire officials) during emergency events such as fires or spills. The ESVs are used by first responders to assess contaminants in air and to inform decisions as they relate to:</p> <ul style="list-style-type: none"> <li>Ø Evacuations;</li> <li>Ø Shelters-in-place; and</li> <li>Ø Returning to the area.</li> </ul> <p>The maximum concentrations measured by both the ministry and the company, and at the Aamjiwnaang First Nation air monitoring station, from April 29, 2016 to May 3, 2016, were all well below the ministry's Emergency Screening Values of 52 ppm for 1 hour, and 4.5 ppm for 8 hours.</p> <p>The ministry also assessed the results against a guideline value used for the protection of the public in the event of short term repeated exposures. The maximum concentrations of all contaminants measured from April 29, 2016 to May 3, 2016 were below these guidelines.</p> <p>Ministry staff are following up to ensure that the company takes the necessary actions to determine the source of the benzene and corrective measures. Ministry staff will also be reviewing additional air monitoring data to determine the appropriate follow-up compliance actions.</p> <p><b>Other agencies involved (if known):</b> No other agencies involved.</p> <p><b>Updates Expected:</b> No further updates expected at this time.</p>	
May 24	1:59 pm		Styrolution	MOECC Update Email	<p><b>Update Information E-mail – INEOS Styrolution and Ethylbenzene Spill</b></p> <p><b>MOECC Reference Number:</b> 2721-A9H3JX  <b>Date and Time Incident Occurred:</b> April 29, 2016 @ 6:30 pm  <b>Date and Time Reported to MOECC:</b> April 29, 2016 @ 9:18 pm  <b>Company Name (if known) and Location of Incident:</b>          INEOS Styrolution Canada Ltd.</p>	FB

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				<p>872 Tashmoor Avenue, Sarnia</p> <p><b>What has occurred?</b> The Ministry's Spills Action Centre received a report from the company regarding an unknown quantity of ethylbenzene spilled onto a cement pad during maintenance. The spill was reported to be contained on-site. The company reported that it was in the process of cleaning up the spill through the use of vacuum trucks. The spilled material would be recovered for re-processing. As a precautionary measure, the company advised that it had deployed air quality monitors along its perimeter to monitor for volatile organic compounds. Winds were from the northwest at the time of the incident.</p> <p><b>What Action is being taken?</b> The Ministry's Environmental Response Person had already been dispatched to the area at approximately 8:45 pm due to a separate issue related to elevated levels of benzene having been detected by the ministry's regional air monitoring van (see MOECC Reference Number #1408-A9GSVV) around 2:00 pm the same day. Ethylbenzene was not one of the contaminants of concern identified during the ministry's monitoring as it had only been detected at low levels. The ministry's Environmental Response Person conducted a site inspection and met with representatives from INEOS Styrolution to discuss the spill and clean-up measures being undertaken. The company reported that it did not detect any elevated levels of Volatile Organic Compounds (VOCs) through the use of its perimeter air monitors. The clean-up was subsequently completed at approximately 9:30 pm.</p> <p>Although the clean-up had been completed, the ministry remained uncertain as to the source of elevated benzene levels that had been detected by the ministry earlier in the day, prior to the ethylbenzene spill. As a precautionary measure, the ministry requested that the company enhance its air quality monitoring by retaining the services of a consultant to conduct air monitoring at off-site locations. See MOECC Reference Number #1408-A9GSVV for additional information on the results of air monitoring.</p> <p>The ministry requested that the company submit a report on the cause of the spill and actions taken to prevent a re-occurrence, and is continuing to gather information to determine the appropriate follow-up compliance action.</p> <p><b>Other agencies involved (if known):</b> The ministry's Spills Action Centre conducted spill notifications to Aamjiwnaang First Nation, Health Canada, and Environment and Climate Change Canada.</p> <p><b>Updates Expected:</b> No further updates expected.</p>	
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# Notification Report

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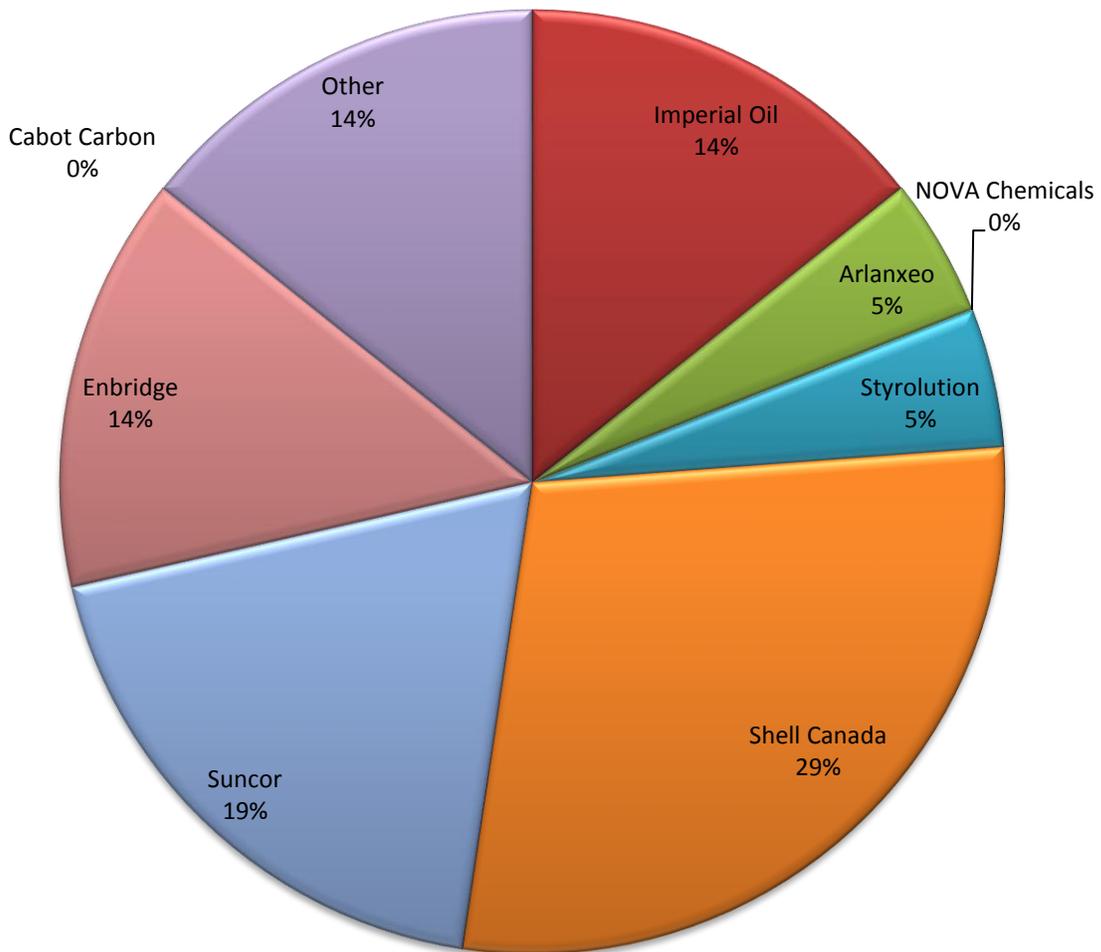
May 25	8:07 am	3:20 pm	USCG/ Enbridge	ANS/ CVECO Information Notice	An emergency exercise is taking place today in the St. Clair River from 8am until 3pm. Emergency equipment will be visible in the river and traffic may be affected. The exercise involves a mock oil spill with clean-up activities. This is an EXERCISE only.  An Information has been issued for Enbridge Pipelines VCO420 for a simulated crude oil leak into the St Clair river. This is only an exercise. The start time was 0800 hours. (9:16 am)	ANS
May 25	10:59 pm	11:32 am	Styrolution	CVECO Information Notice	An Information has been issued for INEOS Styrolutions for testing the emergency evacuation alarms. This is a test only. Start time is 1100 hours	
May 25	6:14 pm		Styrolution	MOECC Information Email >>> (SAC)	<b>MOECC Reference Number:</b> 6584-AAASDL <b>Date and Time:</b> 05/25/2016 - 16:30 <b>Company Name (if known) and Location of Incident:</b> INEOS Styrolution Canada Ltd. - 872 Tashmoo Ave. Sarnia, ON <b>What has occurred?</b> Spill of water mixed with ethylbenzene contained to cement pad at 16:30. <b>What Action is being taken?</b> MOECC Spills Action Centre and Sarnia District Office were notified. <b>Other agencies involved (if known):</b> n/a <b>Updates Expected:</b> No	FB
May 26	9:33 am	11:20 am	Imperial Oil	CVECO Information Notice	An information has been issued for Imperial Oil XJF742 at 602 Christina street south for a simulation only. Simulation of a spill at Scott road tank farm.	ANS
May 27	10:42 am	3:23 pm	Suncor	CVECO Information Notice	An Information has been issued for Suncor for fire training until 1600 hrs today	
May 31	7:56 am		Suncor	CVECO Information Notice	An Information has been issued for Suncor 1900 Saint Clair Parkway. Potential for visible flaring due to flare gas recovery system outage. Expected to return to service June 30, 2016.	ANS

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## Percentages of Incident Notifications Occurring in the Month of May 2016

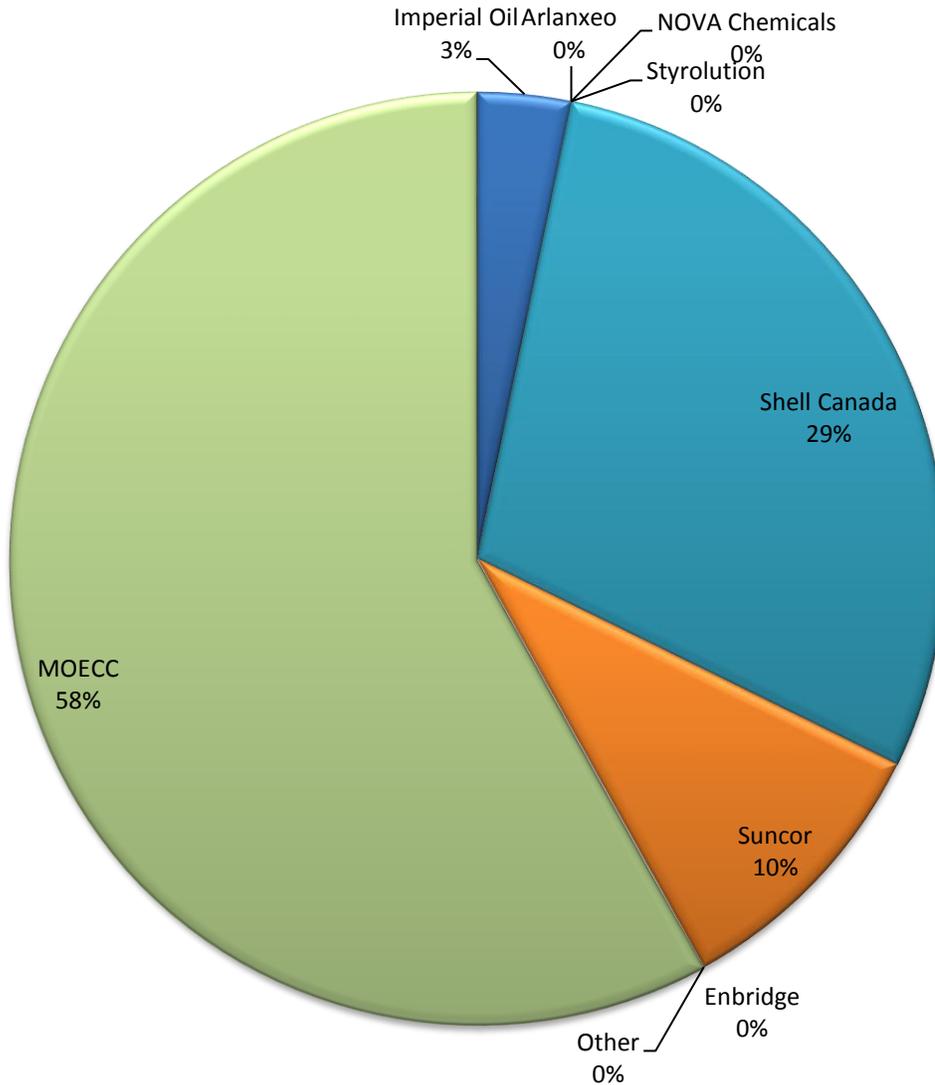


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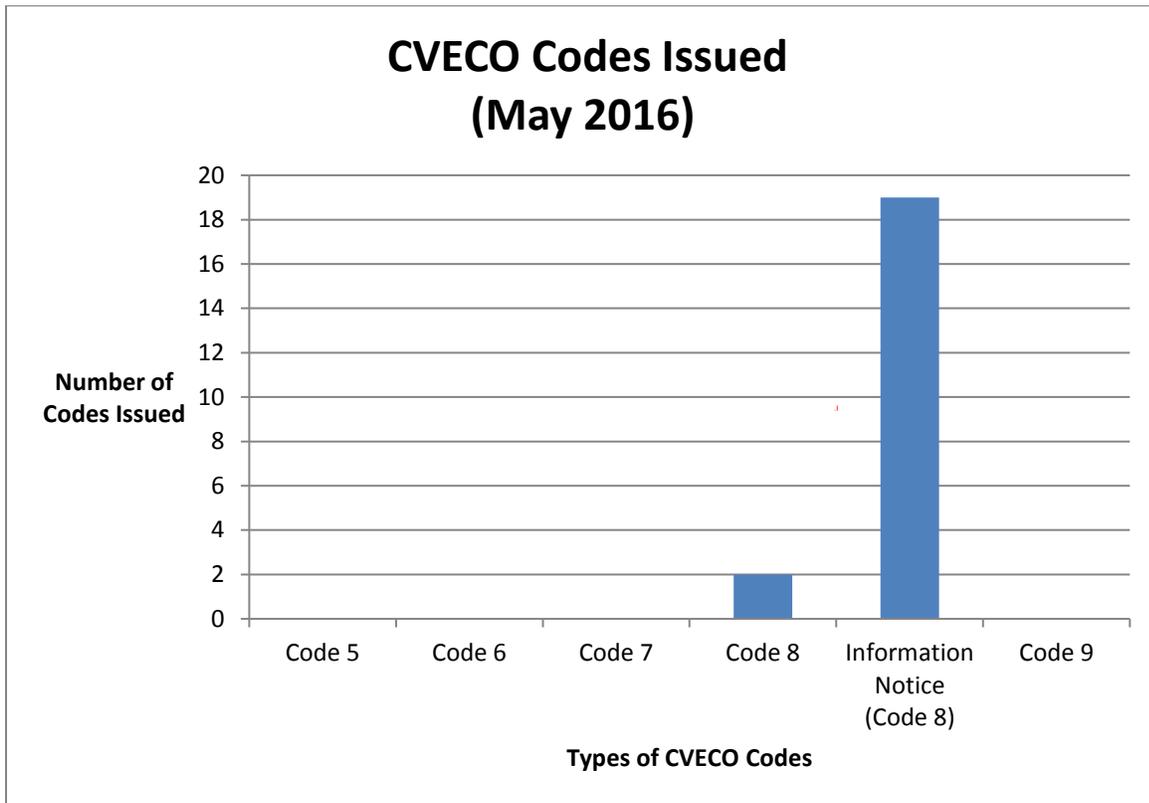
## Percentages of Proactive Notifications for the Month of May 2016



# Notification Report

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## CVECO Assistance Codes:

CODE 5- Incident outside of industry potentially requiring CVECO assistance.

CODE 6- Full traffic control requested in designated areas.

CODE 7- Bomb threat.

CODE 8- Notification by a CVECO member of an internal emergency occurrence. CVECO will take no action under this code.

Information Notice - Advice by a member of a non-emergency activity that may cause an inquiry.

CODE 9- Request for response by Municipal Fire Department.