

AAMJIWNAANG FIRST NATION

# Notification Report

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April 2016

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

**May 4, 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 April, 2016.

- 48 notifications were received
- 2 phone calls, 2 text messages, 20 emails and 24 “MyCNN” notifications were received
- A total of 4 CVECO Codes were issued. 20 CVECO Information Notices were issued.
- 1 “Shelter in Place” notification to community, related to the Corunna area only
- 13 Information emails were received from MOECC regarding incidents
- 12 Aamjiwnaang Notifications were sent out

**Community Inquiries:** 3 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 ?
Apr 1	11:58 am		Shell	MOECC Information Email >>> (SAC)	MOECC Reference Number: 4464-A8LJN3 Date and Time: April 1st 13:00 hrs. Company Name (if known) and Location of Incident: Shell Canada Products, 150 St. Clair Pkwy What has occurred? Hydrotreater being shut down for maintenance. What Action is being taken? N/A Other agencies involved (if known): N/A Updates Expected: No	FB
Apr 3	10:32 pm		Terra	MOECC Information Email >>> (SAC)	MOECC Reference Number: 1784-A8P4KU Date and Time: Expected occurrence: April 4th 2016, 00:00 Reported to MOECC: April 3rd 2016, 22:20 Company Name (if known) and Location of Incident: Terra International - back end of ammonia plant What has occurred? Maintenance shutdown. What Action is being taken? Flaring for several days expected Other agencies involved (if known): n/a	FB
Apr 4	3:34 pm	3:47 pm	Styrolution Canada	CVECO Code 8	Code 8 was issued for Styrolutions at 872 Tashmoo man down Lanxess assisting	
Apr 4	4:03 pm		Suncor	MOECC Information Email >>> (SAC)	MOECC Reference Number: 1006-A8PQFJ Date and Time: April 4th, 2016, 14:25 Company Name (if known) and Location of Incident: Suncor, Vidal Street South and Sun Avenue intersection. What has occurred? Overflow of frac tank has caused 100L of benzene contaminated water to spill onto ground. No confirmed impacts to St. Clair River. What Action is being taken? Clean up ongoing. Other agencies involved (if known): MOE. Updates Expected: No.	FB

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Apr 6	10:24 am		Unknown	MOECC Information Email>>>	<p><b>Initial Notification E-Mail – Particulate Fall out Complaints – Corunna</b></p> <p><b>MOECC Reference Number:</b> 4168-A8JTK8  <b>Date and Time of Incident:</b> March 30, 2016 @ 5:16 pm  <b>Date and Time Reported to MOECC:</b> March 30, 2016 @ 5:34 pm  <b>Company Name (if known) and Location of Incident:</b> Source unknown - Corunna area  <b>What has occurred?</b>            A resident in the Corunna area contacted the ministry to report that they had noticed a white particulate fall out. The winds were from the south at the time of the complaint. A second resident also called the ministry to report particulate fall out. A third individual called to report that while driving they observed smoke from a location south of Corunna.  <b>What Action is being taken?</b>            Ministry staff inspected the areas in which the complaints were received, including the outskirts of Corunna, at approximately 8:00 pm on March 30, 2016. Ministry staff did not observe smoke at the time or find the particulate fall out in any of the locations inspected. On March 31, 2016, the ministry became aware of a large brush fire that had occurred on March 30, 2016 in the vicinity of Harsens Island, located at the mouth of the St. Clair River, in the State of Michigan. This event may have been a potential sources of the suspected ash fall out based upon the wind direction. In addition, the ministry's Sarnia District Office has recently received open air burn permit notifications from the St. Clair Township Fire Department. The ministry did not receive any reports of process unit upsets or spills to air from industries in the area.  <b>Other agencies involved (if known):</b>            No other agencies involved.  <b>Updates Expected:</b> No further updates.</p>	FB
Apr 7	4:42 pm		Shell	Email Notification	<p>Shell is conducting maintenance on a unit at the refinery. As a result, flaring will be higher than normal. We will keep the CAER line updated at 1-855-472-7642. Community members can also contact me directly at 519-330-4723.</p> <p>Thanks,            Kristina Zimmer            Shell Sarnia Manufacturing Centre</p>	
Apr 8	11:01 am	2:51 pm	Sun Canadian	CVECO Information Notice	<p>An Information has been issued for Lamsar at Sun avenue and Vidal street for a ground flare at the Sun Canadian site.</p>	ANS

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Apr 8	11:02 am		Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil for steam venting	ANS
Apr 8	5:57 pm	1:51 pm Apr 9	Shell	MOECC Information Email>>> (SAC)  CVECO Information Notice	MOECC Reference Number: 8331-A8TTA4 Date and Time: April 08/2016 @ 18:30h Company Name (if known) and Location of Incident: Shell Canada, 150 St. Clair Parkway, Corunna What has occurred? Flaring and steam throughout night. What Action is being taken? - CVECO Notification Other agencies involved (if known): NA Updates Expected: NA  An Information has been issued for Shell XJF737 at 150 Saint Clair Parkway for start - up of GHT unit, possible loud noise and high flaring. (6:03 pm)	FB
Apr 10	6:27 pm	1:21 am Apr 12	Imperial oil	CVECO Information Notice	An Information has been issued for Imperial Oil at 602 Christina Street South for steam venting.	
Apr 12	10:58 am		Suncor	MOECC Information Email >>> (SAC)	MOECC Reference Number: 3302-A8XJWP Date and Time: April 12, 2016. 10:25 hrs. Company Name (if known) and Location of Incident: Suncor Energy Inc. Suncor Refinery Extraction System, Sarnia, ON. What has occurred? Maintenance activities, possible increase of noise and flaring until May 23, 2016. What Action is being taken? N/A Other agencies involved (if known): N/A Updates Expected: N/A	FB
Apr 12	12:48 pm		Suncor	CVECO Information Notice	An Information has been issued for Suncor for potential increased flaring and noise due to maintenance activities.	FB
Apr 13	10:35 am	8:12 pm Apr 13	Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil. High flaring due to unit shut down.	
Apr 13	10:56 am	11:44 am	Cabot Carbon	CVECO Information Notice	A simulated code 8 has been issued for Cabot Canada at 800 Tashmoo. This is a simulation only.	
Apr 13	1:26 pm		NOVA Chemicals	MOECC Information Email >>> (SAC)	MOECC Reference Number: 0734-A8YMMN Date and Time: 11:07 2016/04/13 Company Name (if known) and Location of Incident: NOVA Chemicals, 510 Moore Line, St. Clair, Ontario What has occurred? 431 second ethylene emission to air at 11:07 What Action is being taken? Equipment shutdown and isolated Other agencies involved (if known): None Updates Expected: No	FB

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Apr 14	8:21 am			MOECC Information Email	<p><b>Update Information E-Mail – Suncor Spill of Benzene Contaminated Water</b></p> <p><b>MOECC Reference Number:</b> 1006-A8PQFJ  <b>Date and Time Incident Occurred:</b> April 4, 2016 @ 2:25 pm  <b>Date and Time Incident Reported to MOECC:</b> April 4, 2016 @ 3:08 pm  <b>Company Name (if known) and Location of Incident:</b> Suncor Refinery – Vidal Street South and Sun Avenue – Soil Remediation Project Site  <b>What has occurred?</b>                      Suncor was conducting soil remediation work when a holding tank associated with the remediation project work overflowed. Approximately 100 litres of contaminated water overflowed, containing 10 to 30 parts per million of benzene and carbon filter material. The water entered a ditch nearby. The material was contained within the ditch by berms already put in place for the remediation project.  <b>What Action is being taken?</b>                      Suncor removed the water from the ditch and transferred it to their wastewater treatment plant. The carbon material was removed and placed in a bin for waste disposal. Suncor arranged for third party water monitoring downstream of the berm to confirm the impacted water was contained within the bermed area. Sample results are to be submitted to the ministry on April 5, 2016. Suncor was also monitoring air quality as part of the remediation project and found no detection of benzene. Ministry staff inspected the site at approximately 5:17 pm. Ministry staff noted that the containment berms were holding the spilled water and also noted that water was on both sides of the berm due to general wet conditions and snow melt. Ministry staff did not see impacts beyond the bermed area. Ministry staff will review the sample results to confirm containment of the spilled material.  <b>Other agencies involved (if known):</b>                      No other agencies involved.  <b>Updates Expected:</b> No further updates.</p>	FB
Apr 14	8:44 am	3:47 am Apr 15	Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil for high flaring due to unit start up	ANS
Apr 16	7:46 am		Imperial Oil	CVECO Information Notice	An Information has been issued for XJF742 IMPERIAL OIL, ground source flare at Scott Rd. tank farm.	
Apr17	9:05 am	10::39 am	Pembina Pipelines	CVECO Code 8	A code 8 was issued for Provident Energy located at 1425 Vidal Street South in Sarnia. Possible small ethyl mercaptan leak and associated smell.	

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					<p><b>Correction issued:</b> Last Code 8 notification should have read Pembina Pipelines, NOT Provident Energy, regarding the small ethyl mercaptan leak. The notification was sent as a precaution as the smell is coming from the Petrolia Line area.</p>	
Apr 18	8:23 am		Shell	Email Notification	<p>Shell Manufacturing Centre in Corunna plans to remove decommissioned refinery equipment located in the northeast section of the refinery (within yellow area on map). The work is to begin Monday, April 25 and last for approximately two weeks. Before the equipment is removed, it will be decontaminated within tented areas. The tents are an added measure to mitigate the potential for odours. As a further precaution, increased air monitoring resources will be implemented during the course of this activity. Please contact Kristina Zimmer, Shell External Relations at (519)481-1135 or kristina.zimmer@shell.com for additional information.</p>	FB
Apr 18	11:08 am	5:40 pm	Imperial Oil	CVECO Information Notice	<p>An Information has been issued for Imperial Oil. Excessive flaring due to unit upset.</p>	ANS
Apr 19	12:25 am	7:33 pm	CN	CVECO Information Notice	<p>An Information has been issued for 699 McGregor Sideroad for a derailment of an empty car in the yard. Information only for one wheel off the track.</p>	
Apr 20	12:56 pm	4:03 am	Imperial Oil	<p>CVECO Information Notice</p> <p>Press Release from Imperial &gt;&gt;&gt;</p> <p>MOECC Information Email &gt;&gt;&gt; (SAC)</p>	<p>Imperial Oil at 602 Christina Street South is issuing an information only regarding a spill to the river, to be noticed by sight only.</p> <p>Sarnia – Tuesday, April 19, 2016 – At approximately 11:00 p.m., Imperial Oil had an overflow of low pH water to the St. Clair river. No impact to downstream water quality is expected. Water quality is being monitored. The Ministry of Environment (Spill Action Centre) and the Canadian Coast Guard have been notified. The exact cause of the incident is under investigation. Public inquiries concerning the incident should be directed to 519-339-5666 or 1-866-288-2202.</p> <p>MOECC Reference Number: 8104-A977N7  Date and Time: April 19th 22:17  Company Name (if known) and Location of Incident: Imperial Oil - 602 Christina St S, Sarnia  What has occurred?  Dilute acid-washwater made it to St Clair River  What Action is being taken?  Stopped washing operation  Other agencies involved (if known): N/A  Updates Expected: No</p>	FB

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Apr 20	8:11 am	8:11 am	Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil for a medical assist. Issued at 0724 hrs and clear at 0758 hrs.	
Apr 20	9:55 am	9:55 am	Imperial Oil	CVECO Information Notice	An Information has been issued for imperial oil for a suspicious package located at the research facility, all clear has been issued at this time as well.	
Apr 20	11:59 am	12:50 am	Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil XJF742 for medical assist. Issued at 1149 hours.	
Apr 21	4:35 pm		Styrolution Canada	Email Notification	This message is to advise you that INEOS Styrolution Canada Ltd. will be conducting a site-wide turnaround commencing Monday, April 25, 2016 to perform maintenance activities. The Turnaround will last approximately 60 days. You may notice increased flaring and noise during our controlled shutdown and start-up. There will also be increased traffic during this time period. Regards, Michelle McKay Environmental Technologist Styrolution Canada Limited	FB
Apr 23	5:17 pm		Imperial Oil	MOECC Update Email >>>	<b>Update Information E-Mail – Imperial Oil – Acid Wash Water to St. Clair River</b> <b>MOECC Reference Number: 8104-A977N7</b> <b>Date and Time Incident Occurred: April 19, 2016 @ 10:17 pm</b> <b>Date and Time Reported to MOECC: April 19, 2016 @ 11:57 pm</b> <b>Company Name (if known) and Location of Incident: Imperial Oil – 602 Christina St., Sarnia</b> <b>What has occurred?</b> Imperial Oil contacted the ministry to report a discharge of dilute acid wash water to the St. Clair River. The amount of the discharge was not known. <b>What Actions Were Taken?</b> The company identified the cause of the spill and took corrective action to stop the discharge at approximately 10:45 pm. The company collected samples at the discharge location every 30 minutes until pH levels returned to normal. As a precaution, the ministry conducted notifications to downstream water intakes on the Canadian side and notified both Michigan State Police and Michigan DEQ, as well as the Chatham-Kent and Lambton Health Units, Aamjiwnaang First Nation, St. Clair Township, Health Canada and Environment Canada. Since the quantity of the spilled material was unknown, water treatment plants were advised to monitor pH levels at their intakes as a precautionary measure. A water quality monitor in the St. Clair River downstream of the spill did not detect fluctuations in pH levels. An	FB

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					<p>Industry water intake located downstream also did not detect fluctuations in pH levels. There were no observed changes in pH at the downstream drinking water plants. Ministry staff conducted a site inspection to assess the cause of the spill, corrective actions taken to stop the spill, and preventive measures. The ministry is requiring the company to provide additional information to the ministry to assist in assessing the incident and determining the appropriate follow-up compliance actions.</p> <p><b>Other agencies involved (if known):</b> Other agencies notified as per ministry spill notification procedures.</p> <p><b>Updates Expected:</b> No further updates.</p>	
Apr 23	2:43 am		Arlanxeo	CVECO Information Notice	<p>An Information has been issued for Arlanxeo for medical emergency in the butyl unit at 500 Kenny Street. Issued at 0209hrs and ALL CLEAR issued at 0235hrs.</p>	
Apr 25	10:03 am	12:14 pm	TODA	CVECO Information Notice	<p>An Information has been issued for TODA at 933 Vidal Street South as Sentry Fire is conducting training involving carbon dioxide, dry chemical in a twenty-four inch round container. Expect small kerosene fire, black smoke and white plume.</p>	ANS
Apr 26	1:27		Styrolution	CVECO Information Notice	<p>An Information has been issued for Ineos Styrolution at 872 Tashmoo avenue for high flaring due to unit shut down.</p>	
Apr 27	8:31 am		Shell	<p>MOECC Information Email &gt;&gt;&gt; (SAC)</p> <p>Email from Shell &gt;&gt;&gt;</p>	<p><b>MOECC Reference Number:</b> 3080-A9EFYM <b>Date and Time:</b> Expected to occur: 2016/04/27, 09:00 to 17:00 Reported to MOECC at: 2016/04/27, 07:54 <b>Company Name (if known) and Location of Incident:</b> Shell Canada Refinery <b>What has occurred?</b> From 09:00 to 17:00, there will be intermittent venting of steam and associated noise, during the start-up process. <b>What Action is being taken?</b> N/A <b>Other agencies involved (if known):</b> N/A <b>Updates Expected:</b> No</p> <p>Shell is restarting equipment at our site today. As a result, there may be increased noise. We will keep the CAER line updated at 1-855-4SARNIA. I can be reached at 519-481-1135. Thanks Kristina Zimmer Shell Sarnia Manufacturing Centre (8:57 am)</p>	FB



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Apr 27	11:04 am		Shell	Email Notification	I would like to notify you that Shell will be testing its plant alarm at 12:30pm today (Wednesday, April 27). Thanks Kristina Zimmer	ANS
Apr 27	4:56 pm	Code 6 (8:20 pm)  Code 8 (12:29 pm) Apr 29	Shell	CVECO Information Notice  CVECO Code 6  Shelter In Place (Corunna Area)	<ol style="list-style-type: none"> <li>1. Code 8 was issued for shell Canada at 150 saint Clair parkway. on site benzene reading coming from bio-reader. (4:56 pm)</li> <li>2. Called Kristina Zimmer to confirm information. Advised a meeting taking place at Shell and she would call back.(5:19 pm)</li> <li>3. Sent CVECO Information via ANS (5:30pm)</li> <li>4. K. Zimmer return phone call with update. High benzene readings in the area south of the refinery. (5:46 pm)</li> <li>5. Call received from K. Zimmer indicating CVECO Code 6 and Shelter in Place will be issued for Corunna area. (5:53 pm)</li> <li>6. Called K. Williams to update situation. (5:57 pm)</li> <li>7. Sent ANS community notification regarding Shelter in Place. (6:03 pm)</li> <li>8. CVECO issues Code 6-traffic control notification (6:05 pm)</li> <li>9. Community sirens are sounded. (6:07 pm)</li> <li>10. CVECO Shelter in Place for Corunna goes out. (6:10 pm)</li> <li>11. Information on "Shelter" posted to Planning page on Facebook. (6:11 pm)</li> <li>12. ANS message sent out with information on sirens and Shelter in Place. (6:18 pm)</li> <li>13. MyCNN issues Shelter in Place Order. Info to Corunna and south Sarnia area (6:26 pm)</li> <li>14. Email received from K. Zimmer with update. Forwarded to Chief and A/Band Administrator. (6:40 pm)</li> </ol>	ANS /FB

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					<ul style="list-style-type: none"> <li>15. Conference call with Primary Control Group Sarnia. Regarding need for control group to meet in person. Decision was not to meet at this time. (6:35 pm)</li> <li>16. ANS update message sent out to community. 6:45 pm)</li> <li>17. MOECC (SAC) email received regarding present situation. (7:18 pm)</li> <li>18. K. Zimmer advises that Code 6 will be lifted but Code 8 remains in effect. (8:14 pm)</li> <li>19. CVECO Code 6-traffic control is lifted. CVECO Code 8 still in effect (8:20)</li> <li>20. ANS Message sent out. (8:26)</li> <li>21. MyCNN notification indicating Shelter in Place has been lifted (8:40 pm)</li> <li>22. ANS message sent out with above information and possible odours may remain in the Corunna area. (8:57 pm)</li> <li>23. Information on "All Clear" posted to Facebook Planning page. (9:00 pm)</li> </ul>	
Apr 29	9:05 am	1:04 pm	TODA	CVECO Information Notice	An Information has been issued for TODA at 933 Vidal street south for fire training with sentry fire. This will involve CO2, fry chem in a fire container. Expect small kerosene fire, black smoke and white plume. Event start time is 09:00 hours.	ANS
Apr 29	10:44 am	6:53 pm	Suncor	CVECO Information Notice	An Information has been issued for Suncor Sarnia Refinery. Movement of fire trucks and equipment will be noticeable as well as the use of high pressure fire water. Training to be completed by 16:00 today.	
Apr 29	8:01 pm		Unknown	MOECC Information Email >>> (SAC)	<p>MOECC Reference Number: 1408-A9GSVV            Date and Time: -29April2016, afternoon hours.            Company Name (if known) and Location of Incident:-978 Tashmoo Avenue, Sarnia            What has occurred?            -MOECC Regional Air Quality Monitoring Van detected benzene at the Aamjiwnaang First Nations Administration Building this afternoon.</p>	FB

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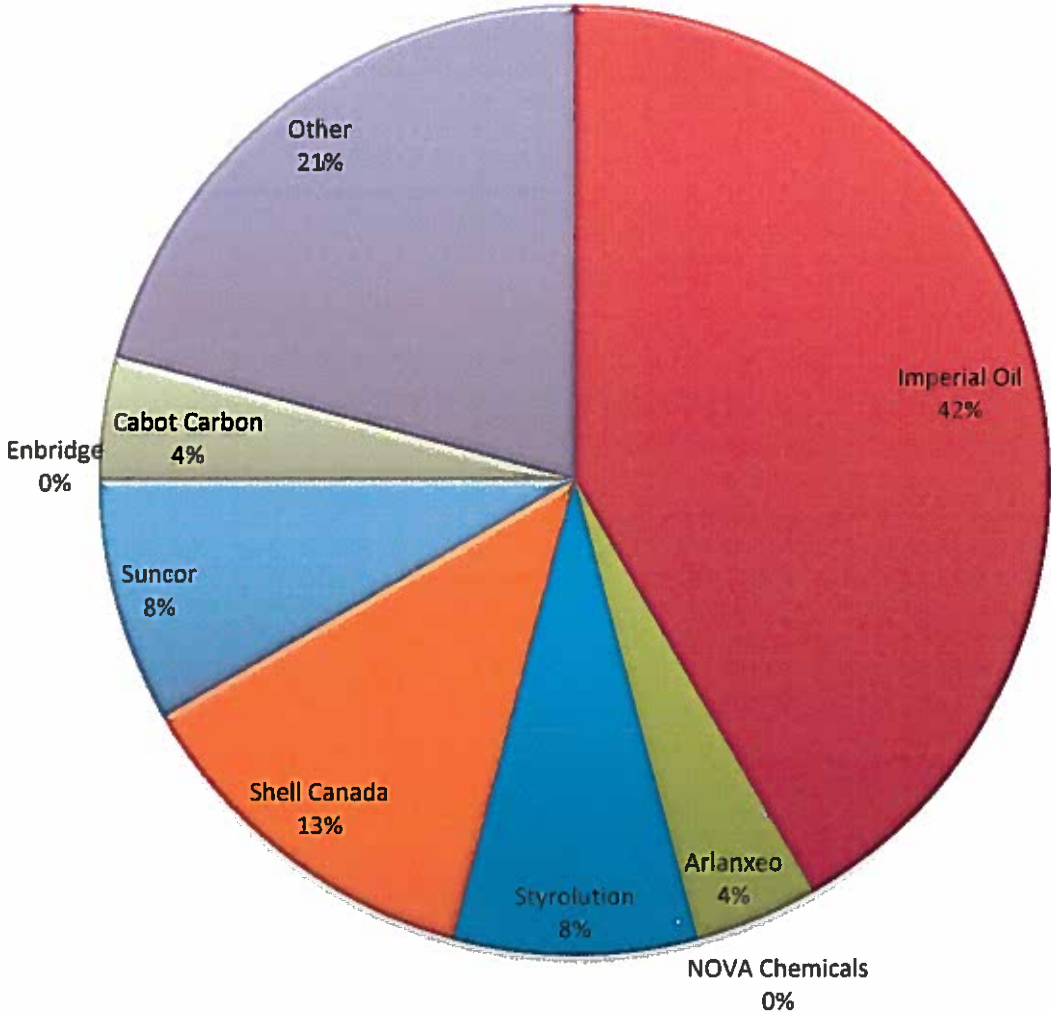
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					<p><b>What Action is being taken?</b> -Sarnia MOECC ERP is responding.  <b>Other agencies involved (if known):</b>  <b>Updates Expected:</b> Yes</p>	
Apr 29	10:49 pm		Styrolution	<p>MOECC Information Email &gt;&gt;&gt; (SAC)</p>	<p><b>MOECC Reference Number:</b> 2721-A9H3JX  <b>Date and Time:</b> 29April2016 between 18:00 &amp; 18:30  <b>Company Name (if known) and Location of Incident:</b>          Styrolution Canada Ltd.          872 Tashmoo Avenue, Sarnia  <b>What has occurred?</b>          -A spill of ethylbenzene (unknown amounts) has occurred to onsite cement pad which is contained and being cleaned.  <b>What Action is being taken?</b>          -Sarnia MOECC ERP is responding.          -CVECO code 8 issued.  <b>Other agencies involved (if known):</b>  <b>Updates Expected:</b> Yes</p>	FB

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

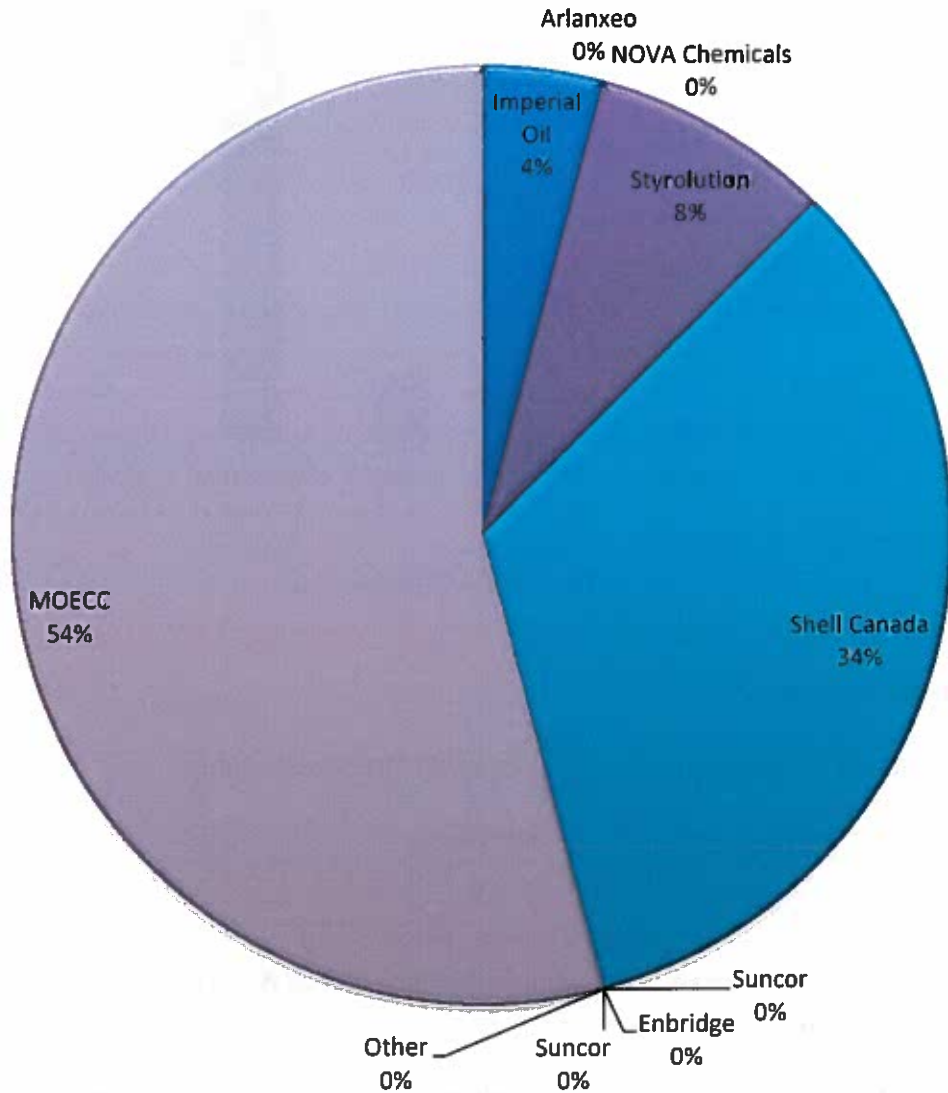


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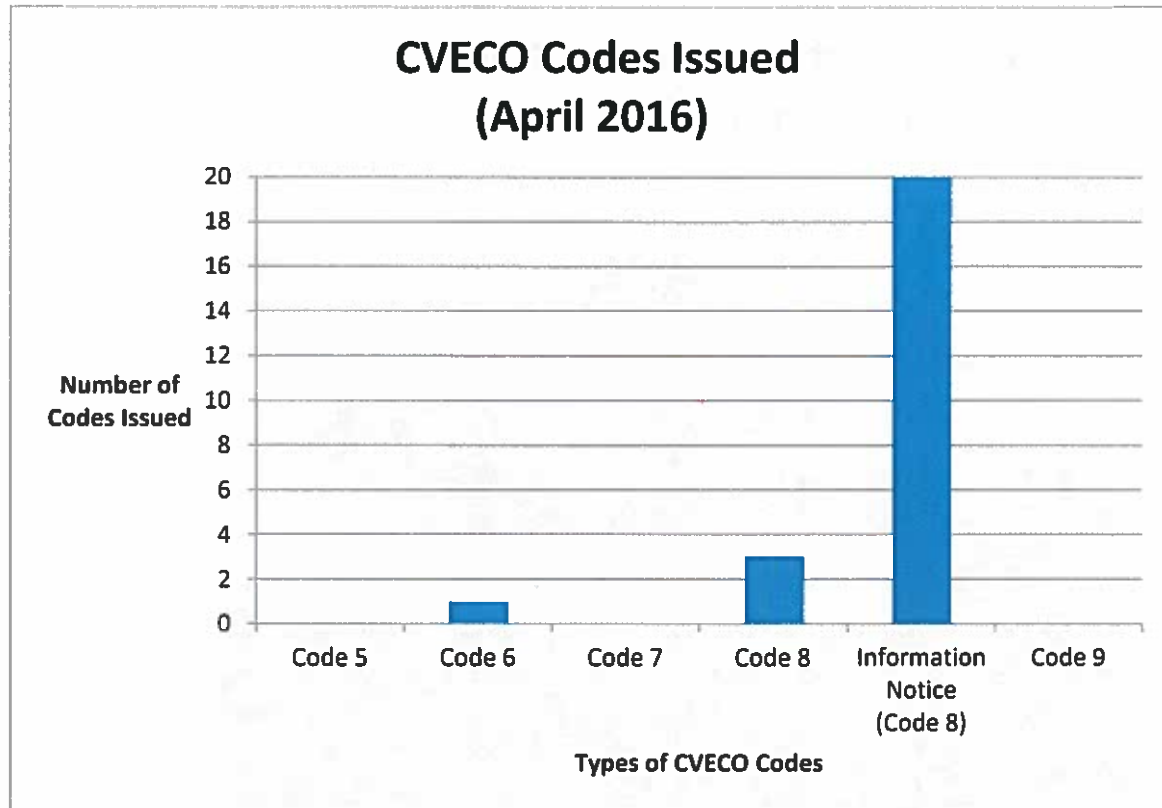
## Percentages of Proactive Notifications for the Month of April 2016



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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.