

AAMJIWNAANG FIRST NATION

Notification Report

November 2017

Wilson Plain Jr. – Emergency Management Planner

December 1, 2017

Report of notifications received from local industries, CVECO, Ministry of the Environment and Climate Change (MOECC) including Spills Action Centre (SAC) and MyCNN notifications.

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Emergencies or Incidents reported for the month of November 2017.

- 75 notifications were received
- 1 phone call, 5 text messages, 13 emails and 32 CVECO notifications were received
- 9 CVECO 'Codes' were issued (1 Simulation Code). 23 CVECO 'Information Notices' were issued.
- 37 Aamjiwnaang Notifications were sent out (**ANS or FB**)

Ministry of the Environment and Climate Change (MOECC) Information/Update emails received: 27

Community Inquiries: No inquiries were received from community members regarding incidents near Aamjiwnaang.

Date	Time of Issue	Time of All Clear	Company	Type of Notice	Description Received	Follow-Up (if required)	ANS or FB
Nov 1	7:40 am	11:53 am	CF Industries	CVECO Information	CF INDUSTRIES LOCATED AT 161 BICKFORD LINE IN COURTRIGHT IS ISSUING AN INFORMATION ONLY FOR CONDUCTING A CRISIS-EMERGENCY RESPONSE DRILL ON SITE IN THEIR NITRGEN COMPLEX.		
Nov 1	8:23 am		Enbridge Pipelines	CVECO Information	ENBRIDGE PIPELINES LOCATED AT 1010 PLANK ROAD IN SARNIA EXTENDING THEIR COMPLETION TIME TO TWO OCLOCK IN THE AFTERNOON ON 01NOV'17 FOR THEIR ROUTINE MAINTENANCE WORK, WHICH WAS SUPPOSED TO BE DONE BY EIGHT A.M. TODAY.		
Nov 1	8:23 pm		Shell Canada	Text Message from K. Zimmer	Shell Manufacturing Centre in Corunna has notified the Ministry of Environment and Climate Change of elevated levels of hydrocarbons in the Waste Water Treatment Plant process. Sampling is being conducted, and Shell is investigating this matter. I will keep you updated as additional information becomes available.		
Nov 1	9:02 pm		Shell Canada	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 6606-ASPURZ</p> <p>Date and Time that the incident occurred: 18:10 11/01/2017</p> <p>Date and Time reported to the MOECC: 18:49 11/01/2017</p> <p>Company name (if known) and location of incident: Shell Canada, 150 St. Clair Parkway</p> <p>What has occurred? Shell's cooling water is discharging into Telfer Creek with an elevated hydrocarbon level. Shell does not anticipate any adverse impacts to the environment or human health.</p> <p>What action is being taken? Shell is investigating the incident. MOECC Response Person has been dispatched.</p> <p>Other agencies involved (if known): N/A</p> <p>Updates expected: NO</p>		
Nov 2	9:04 am	1:41 pm	Enbridge	CVECO Information	Information only at Enbridge for routine maintenance. Possibility of petroleum odours.		
Nov 2	10:15 am		Shell Canada	Text message from K. Zimmer	Update to notification issued by Shell Manufacturing Centre on Nov 1, 2017: Hydrocarbon levels are no longer detected in Shell's cooling water system. We are investigating the cause of the initial elevated levels, and we continue to closely monitor this. The Ministry of Environment and Climate Change has been notified and has attended the site.		
Nov 2	3:06 pm	8:03 pm	CN Rail	CVECO Code 8	CANADIAN NATIONAL RAILWAY AT 431 RUSSELL STREET SOUTH ISSUING A CODE 8 FOR A SMALL LEAK IN ONE OF THEIR RAIL CARS WHICH IS CARRYING MOLTEN SULPHUR. LEAK IS CONTAINED AND NO EMERGENCY SERVICES ARE REQUIRED.	SDS Sheet provided previously	ANS

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Nov 3	12:58 am		Shell Canada	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 4167-ASR6YM Date and Time that the incident occurred: 2017/11/02 @ 23:12 Date and Time reported to the MOECC: 2017/11/03 @ 00:13 Company name (if known) and location of incident: Shell Canada - 150 St. Clair Parkway What has occurred? Gasoline vapours to atmosphere between 23:12 - 23:55 What action is being taken? Unit has been restored. Other agencies involved (if known): N/A Updates expected: NO</p>		FB
Nov 5	10:42 am		NOVA Corunna	Email from M. Kreeft	<p>Beginning today, our Corunna Site will begin the process of restarting the facility after a scheduled maintenance turnaround. This is estimated to last over the next few days. Our focus is safe and reliable operations at all times, and one of our planning priorities is to minimize potential impacts to our near neighbours and community. As we bring the plant back on-line, periods of elevated flaring and some increased noise are expected. Information updates will be shared via the CAER Industry Update line as required. Please call 1-855-4SARNIA or 1-855-472-7642. The update line is a 24-hour service that features information on industry activity through pre-recorded telephone messages and is available to all area residents.</p>		FB
Nov 6	8:01 am		NOVA Corunna	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: IR 1511-ASUGPM Date and Time that the incident occurred: 11/06/2017-06:40 Date and Time reported to the MOECC: 11/06/2017-07:30 Company name (if known) and location of incident: Nova Chemicals, Corunna What has occurred? Flaring at increased capacity. What action is being taken? Flaring ceased at this capacity. Other agencies involved (if known): None Updates expected: No</p>		FB
Nov 6	8:21 am		NOVA Corunna	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 7415-ASUGZ8 Date and Time that the incident occurred: 11/07/2017 Date and Time reported to the MOECC: 11/06/2017-07:30 Company name (if known) and location of incident: NOVA Chemicals- Corunna What has occurred? Increased Flaring What action is being taken? Plant Start-Up. Other agencies involved (if known): None Updates expected: Yes, District Office</p>		FB
Nov 6	4:22 pm		Shell Canada	MOECC Update Information Email>>>	<p>Update Information Email for Aamjiwnaang First Nation – Shell Canada – Elevated Hydrocarbons in Cooling Water MOECC Reference Number: 6606-ASPURZ Date and Time that the incident occurred: Nov 1/17 6:10 pm Date and Time reported to the MOECC: Nov 1/17 6:49 pm Company name (if known) and location of incident: Shell Canada, 150 St. Clair Parkway What has occurred? This update is for an event that happened on November 1, 2017. Shell Canada contacted the ministry’s Spills Action Centre (SAC) to report that their analyzer for their cooling water discharge to Talfourd Creek identified elevated hydrocarbon levels. The company advised that they considered the spill to be a “Tier 1 Response” that is triggered after hydrocarbon levels reach 200 ppb over a 30-minute period. The analyzer reached 300 ppb. The company reported that although the hydrocarbon levels triggered a response, they were still considered low enough and therefore no environmental impacts were anticipated. The company indicated that there was no observable sheen or odour</p>		FB

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					<p>associated with the discharge. The cooling water is normally discharged to Talfourd Creek. In the event elevated levels of hydrocarbons are detected in the cooling water discharge, the company has the ability to divert the discharge to an on-site storage pond. The company reported that when the elevated hydrocarbons were detected on November 1, 2017, the on-site storage pond was full due to recent precipitation. This prevented the company from using the on-site pond for containment.</p> <p>What action is being taken? The company took samples of the discharge and investigated the cause of the elevated readings. The Spills Action Centre contacted area water treatment plants which included Walpole Island First Nation, Wallaceburg, and the Lambton Area Water Supply. Downstream private users were also notified. SAC also contacted Lambton Public Health, Michigan State Police, Health Canada, Environment and Climate Change Canada, Michigan Department of Environmental Quality, Aamjiwnaang First Nation, St. Clair Township, Sarnia Police and the ministry's Drinking Water Management Division.</p> <p>The ministry's Environmental Response Person inspected the area at approximately 7:51 pm and took samples upstream and downstream of the company's discharge in Talfourd Creek, and from the company's cooling water prior to discharge.</p> <p>Ministry staff did not observe any visible impacts to the creek, there was no visible sheen and no detectable odour. Ministry staff discussed the issue with Shell personnel to obtain additional details. The company continued to investigate the source of the hydrocarbons and found the source at approximately 12:09 am on November 2, 2017. The cooling water from the source was diverted for treatment by way of the company's wastewater treatment plant.</p> <p>Ministry staff checked the St. Clair River water quality monitoring data available through the Sarnia-Lambton Environmental Association's downstream monitoring station. There had been no detection of hydrocarbons as of 8:00 pm on November 1, 2017.</p> <p>Ministry staff instructed the company to continue to check the water quality from the station throughout the night. The company reported to SAC that they checked the water quality monitoring station at approximately 12:00 am and 4:03 am on November 2, 2017. There was no detection of hydrocarbons. The company continued to provide SAC with readings from their cooling water discharge analyzers during the night. The levels of hydrocarbons were declining and the company reported to the ministry that they were operating normally by 6:19 am on November 2, 2017.</p> <p>Ministry staff reviewed the SLEA water monitoring data at 8:00 am on November 2, 2017 and confirmed no detection of contaminants. Ministry staff attended the site again on November 2, 2017 to review the event, including spill contingency measures, and will determine if any further compliance actions are required. No impacts on downstream water intakes were anticipated based on the concentration of hydrocarbons discharged. Results from the SLEA water monitoring station downstream confirmed no detection of contaminants downstream.</p> <p>Other agencies involved (if known): No other agencies</p> <p>Updates expected: No further updates expected.</p>		
Nov 6	4:39 pm		Suncor	Email from J. Johnson	Beginning tomorrow, Tuesday, November 7, the Suncor Sarnia refinery will begin the process of re-starting units following maintenance activities.		FB

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Nov 7	11:12 am	2:37 pm	Imperial Oil	CVECO CODE 8	Code 8 issued for Imperial Oil for a spill to the ground, off site. No further details were given by industry.		ANS
Nov 7	12:17 pm		Imperial Oil	Information Bulletin	<p><u>Imperial responding to release of process water</u> (Sarnia), Tuesday, Nov. 7, 2017 – Imperial personnel are responding to a release of process water to the ground near the County ditch on Scott Rd. in Sarnia. Personnel are investigating to confirm that no process water entered the St. Clair River.</p> <p>The release of process water from a pipeline valve was identified at approximately 11 a.m. this morning. It was stopped immediately. Personnel are observing the County ditch and St. Clair River for any signs of impact. As a precaution, downstream water treatment plants are being notified. Emergency response equipment, including absorbent boom, is being deployed to the County ditch as a precaution.</p> <p>Imperial has notified Ontario’s Ministry of the Environment and Climate Change and the Spills Action Centre, along with the Chemical Valley Emergency Co-ordinating Organization. Imperial will conduct a full investigation into the cause of the release.</p> <p>Public inquiries concerning the incident should be directed to Imperial’s 24-hour plant operations line at 519-339-5666. Media can call Imperial Sarnia community affairs at 519 339-4015.</p>		FB
Nov 7	12:32 pm		Enbridge Pipelines	CVECO Information	INFORMATION ISSUED FOR ENBRIDGE PIPELINES AT 259 LASALLE, FOR ROUTINE MAINTENANCE.		
Nov 7	12:33 pm		Imperial Oil	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 5868-ASVLHQ Date and Time that the incident occurred: 2017/11/07 09:00h Date and Time reported to the MOECC: 2017/11/07 10:46h Company name (if known) and location of incident: Imperial Oil and 602 Christina St S What has occurred? Leak of process water to land and offsite to county road near ditch What action is being taken? Area is being assessed, Imperial Oil deployed booms into the county ditch as a precaution and in the process of cleanup and remediation. Other agencies involved (if known): MOECC District Office, Sarnia Police, and Fire Department Updates expected: NO</p>		FB
Nov 8	12:59 am	1:49 am	NOVA Corunna	CVECO Code 8	Code 8 was issued for Nova Corunna for fire crew responding to olefin cold side turbo expander with unknown product		ANS
Nov 8	4:52 pm	5:52 pm	NOVA Corunna	CVECO Code 8	Code 8 was issued for Nova Corunna at 7895 Petrolia line. h2s vapor leak in olefins unit	SDS Sheet provided previously	ANS
Nov 8	5:41 pm		NOVA Corunna	Email from M. Kreeft	For your awareness, EOC and emergency personnel are currently responding to a fixed monitor inside the Olefins Unit that indicated elevated H2S readings. Ongoing air monitoring along the perimeter of the unit indicated no readings. The		

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Nov 8	6:27 pm		Shell Canada	Text Message from K. Zimmer	At 6:00 p.m. November 8, Shell Manufacturing Centre in Corunna notified the Ministry of Environment and Climate Change of elevated levels of hydrocarbons in the site's cooling water system. Sampling of the creek is being conducted, and Shell is investigating the cause. I will keep you updated as information becomes available.		
Nov 8	8:28 pm	1:39 pm Nov 13	Shell Canada	CVECO Information	Shell Canada at 150 Saint Clair Parkway issuing information only for an abnormal cooling event.		
Nov 8	8:31 pm		NOVA Corunna	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 2843-ASX2HW Date and Time that the incident occurred: 08November2017 @ approx. 16:00 Date and Time reported to the MOECC: SAC attempted first contact with NOVA Chemicals at 18:32. Company name (if known) and location of incident: NOVA Chemicals, 785 Petrolia Line, Corunna, St. Clair Township What has occurred? H2S alarms near onsite tank caused evacuation of employees at NOVA facility. What action is being taken? -Sarnia MOECC ERP has been contacted to follow up with the company. Other agencies involved (if known): Updates expected: YES</p>		FB
Nov 8	8:51 pm		Shell Canada	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 7076-ASWUY7 Date and Time that the incident occurred: 16:30 11/08/2017 Date and Time reported to the MOECC: 17:57 11/08/2017 Company name (if known) and location of incident: Shell Canada - 150 St. Clair Parkway, Corunna What has occurred? Shell's cooling water is discharging into Talfourd Creek with an elevated hydrocarbon level. Shell does not anticipate any adverse impacts to the environment or human health. What action is being taken? Shell is investigating the incident. MOECC Response Person has been dispatched. Other agencies involved (if known): N/A Updates expected: NO</p>		
Nov 9	8:15 am		Shell Canada	Text Message from K. Zimmer	Update to notification issued by Shell Manufacturing Centre in Corunna on November 8, 2017 at 6:00pm: Hydrocarbon levels are no longer detected in Shell's cooling water system (as of approximately 8:00pm November 8). The Ministry of Environment and Climate Change was notified and has attended the site.		
Nov 9	???	11:11 am	Suncor	CVECO Information	Suncor issued all clear for co2 drill at 1110 hrs		
Nov 10	9:05 am		Unknown	MOECC Update Information Email>>>	<p>Update Information E-mail for Aamjiwnaang First Nation – Diesel Odour Complaint MOECC Reference Number: 4656-AS85ZD Date and Time that the incident occurred: October 16, 2017 at 10:30 pm</p>		FB

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Nov 10	9:06 am	Unknown	MOECC Update Information Email>>>	<p>Update Information E-mail for Aamjiwnaang First Nation – Odour Complaint – Unknown Source</p> <p>MOECC Reference Number: 8842-ASC2BN</p> <p>Date and Time that the incident occurred: October 20, 2017 @ 7:00 pm</p> <p>Date and Time reported to the MOECC: October 20, 2017 @ 8:15 pm</p> <p>Company name (if known) and location of incident: Odour complaint in the vicinity of Wellington St. and Russel St., Sarnia</p> <p>What has occurred? This update is for an odour complaint on October 20, 2017. The ministry's Spills Action Centre received a complaint from a resident for an odour described as sweet and sickly. The wind was from the south at approximately 9 km/hour. Another resident located further east within the City of Sarnia reported a manure odour to the Spills Action Centre at approximately 6:24 pm on October 20, 2017.</p> <p>What action is being taken? The Spills Action Centre contacted two companies in the area. Both companies checked the perimeter of their sites and found no unusual odours coming from their facilities and operations were normal. Ministry staff inspected the area at approximately 9:23 pm to determine a source of the odour. Ministry staff were not able to detect an odour that was described by the resident. Manure odours were detected at</p>		FB	

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					<p>the time of the inspection. Ministry staff checked air monitoring data from the local ambient air quality monitoring network and did not identify any unusual readings.</p> <p>Other agencies involved (if known): No other agencies involved.</p> <p>Updates expected: No further updates.</p>		
Nov 10	9:08 am		Unknown	MOECC Update Information Email>>>	<p>Update Information E-mail – Sheen on St. Clair River</p> <p>MOECC Reference Number: 6857-ASLJSG</p> <p>Date and Time that the incident occurred: October 29, 2017 @ 10:18 am.</p> <p>Date and Time reported to the MOECC: October 29, 2017 @ 10:18 am.</p> <p>Company name (if known) and location of incident: Sheen observed in the St. Clair River in the vicinity of Lasalle Line and St. Clair Parkway.</p> <p>What has occurred?</p> <p>This update is for an event that occurred on October 29, 2017. A resident called the ministry's Spills Action Centre to report a 12 metre x 18 metre sheen in the St. Clair River. Local residents were fishing at the Aamjiwnaang First Nation's boat launch and observed the sheen.</p> <p>What action is being taken?</p> <p>The ministry contacted two companies in the vicinity of the sheen to determine if the companies were experiencing any operational issues and to request that they assess their operations for spills or leaks that may have caused a sheen to be discharged to the river. The ministry's Environmental Response Person was dispatched to inspect the area. Ministry staff were in the area at approximately 1:15 pm and checked the river for a sheen both upstream and downstream of the location. Ministry staff did not observe a sheen.</p> <p>The two companies that were contacted by the ministry checked their operations and inspected the St. Clair River near their facility, as well as the boat launch location at Aamjiwnaang First Nation. The companies were not experiencing any operational issues and did not observe a sheen by their outfall. One of the companies arranged for a pollution response boat to be sent out. Using the boat, the company checked areas upstream and downstream along the river just after 11:00 am, for just over an hour. No sheens were observed.</p> <p>Ministry staff checked the data available at the Sarnia Lambton Environmental Association downstream water quality monitoring station located in the St. Clair River. The station monitors for 20 compounds that are typically associated with local refinery and chemical manufacturing processes. The monitoring station data for October 29, 2017 indicated that there were no elevated levels of contaminants detected. The presence or cause of the sheen reported to the ministry could not be confirmed.</p> <p>Other agencies involved (if known): No other agencies involved.</p> <p>Updates expected: No further updates</p>		FB
Nov 11	11:14 am	11:14 am	NOVA Moore		Nova Moore issued a code 8 and an all clear at the same time.		
Nov 11	1:21 pm		Unknown	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 0334-ASZNX6</p> <p>Date and Time that the incident occurred: Nov. 11/17 between 10:00 - 11:00</p> <p>Date and Time reported to the MOECC: Nov. 11 2017 - 12:50</p> <p>Company name (if known) and location of incident: Sarnia</p> <p>What has occurred? Vibration/noise complaint</p>		

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Nov 13	9:39 am		Imperial Oil	Email from J. Harding	<p>(Monday, Nov. 13, 2017) - Imperial is conducting a simulation exercise this morning between approximately 10 a.m. and noon at the company's Sarnia manufacturing site.</p> <p>The exercise will simulate a fire and will occur in the vicinity of Christina St. and Confederation St. on Imperial property. Imperial's site sirens will be activated during the exercise, which will involve mobilizing several response vehicles. Officials in Sarnia, Port Huron and the Chemical Valley Emergency Co-ordination Organization will be notified. The simulation is an important training activity to provide experience and knowledge to those taking part. Anyone from the public or media with inquiries concerning the simulation is encouraged to call Imperial at 519 339-4015.</p>		
Nov 13	10:08 am	10:40 am	Imperial Oil	CVECO Code 8 (Simulation)	Imperial Oil has a simulated code 8 for a fire area 1 gate 66 at Confederation and Christina. Simulation Only		
Nov 13	10:48 am		Suncor	Email from J. Johnson	<p>As part of the Suncor Sarnia refinery's ongoing activity to re-start units following a period of planned maintenance, a test of the unit's safety system will occur today, Monday, November 13. This test could occur as early as 11am. During the test, which will last for approximately 15 minutes, a water spray/mist may be visible in the vicinity of the unit. This information as also been recorded to the CAER Industry Update Line for community members to access.</p>		
Nov 13	12:28 pm	3:24 pm	Suncor	CVECO Information	Suncor Energy will be conducting onsite fire training at the Suncor Sarnia refinery as a result the public may notice movement of fire trucks and related equipment as well as the use of high pressure fire water. Training should be completed by 4pm today		
Nov 15	7:44 am		Enbridge Pipelines	CVECO Information	Information only issued by VCO 420 - Enbridge Pipelines, 1010 Plank Road, Sarnia. Routine maintenance is being conducted at its facility. Members of the public may notice petroleum odours.		
Nov 15	11:21 am		Unknown	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 5113-AT5LM5</p> <p>Date and Time that the incident occurred: 10:30 11/15/2017</p> <p>Date and Time reported to the MOECC: 11:00 11/15/2017</p> <p>Company name (if known) and location of incident: Company/Source is unknown at this time. The streets where the odours were reported are Somerset Crescent, Cardiff Drive, and Wellington Street.</p> <p>What has occurred? Sarnia PD was notified of propane odours on the above listed streets.</p> <p>What action is being taken? The Fire Department has been dispatched to investigate and locate a source. Local MOECC District Office has been briefed and are responding.</p> <p>Other agencies involved (if known): Sarnia Police Services Sarnia Fire Department Sarnia MOECC District Office</p> <p>Updates expected: NO</p>		FB
Nov 15	1:53 pm		Suncor	MOECC Initial Information Email>>>	<p>Initial Information E-mail for Aamjiwnaang First Nation – Suncor Refinery and Large Flare Complaint</p> <p>MOECC Reference Number: 3835-AS8LSF Date and Time that Incident Occurred: October 17, 2017 @ 11:30 am</p>		FB

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				<p>Date and Time reported to MOECC: October 17, 2017 @ 11:58 am</p> <p>Company Name (if known) and Location of Incident: Suncor Energy, 1900 River Rd., Sarnia</p> <p>What has occurred? This initial notification is for a complaint on October 17, 2017. The ministry's Spills Action Centre received a call from a resident reporting that when driving by the Suncor refinery around 11:30 am, they observed a large flare from a flare stack located next to the Aamjiwnaang First Nation cemetery. The concern was with respect to the size of the flare.</p> <p>What action is being taken? On October 17, 2017 at 2:00 pm, Suncor notified the ministry's Spills Action Centre that the facility had experienced flaring at their refinery site in Sarnia earlier in the day, starting at 11:12 am and ending at 11:27 am. At 2:57 pm Suncor also notified the ministry's local Sarnia District office of the flaring event, additional details of the flaring were provided at that time. The company typically provides notifications to the ministry of flaring events.</p> <p>On October 18, 2017, the company informed the ministry that the flaring event was the result of a malfunction within a unit that caused process gases to be sent to the flare. The gases were mostly hydrogen with some butane, propane, methane and ethane. The company will be providing a report to the ministry on the flaring event. The ministry will review the report and determine if additional information or other actions are required.</p> <p>Other agencies involved (if known): No other agencies.</p> <p>Updates Expected: No further updates</p> <p>Updates expected: No further updates</p>		
Nov 15	1:55 pm	Shell Canada	MOECC Update Information Email>>>	<p>Update Information E-mail for Aamjiwnaang First Nation – Shell Refinery – Noise and Vibration Complaint</p> <p>MOECC Reference Number: 7783-ASKNY6</p> <p>Date and Time that the incident occurred: October 28, 2017 at 12:52 pm</p> <p>Date and Time reported to the MOECC: October 28, 2017 at 1:52 pm</p> <p>Company name (if known) and location of incident: Shell Refinery 150 St. Clair Pkwy, St. Clair</p> <p>What has occurred? This update is for a complaint on October 28, 2017. A resident called the ministry's Spills Action Centre to report noise and vibration coming from the Shell refinery.</p> <p>What action is being taken? Ministry staff checked air monitoring stations operated by the Sarnia-Lambton Environmental Association and on Aamjiwnaang First Nation and reviewed air data collected from 7:00 am to 2:00 pm on October 28, 2017. There were no elevated readings. Ministry staff inspected the area from 3:44 pm until 5:00 pm and observed flaring at the Shell refinery. Elevated noise and some vibration could be detected along LaSalle Line. There were no odours detected during the inspection. Ministry staff gathered additional information from Shell refinery staff and discussed the noise complaint. The company advised that it had experienced an unplanned shutdown of a unit and that the noise from the flare was due to hydrocarbons being burned with steam being added to help with combustion. The company adjusted the steam flow to minimize the noise. Ministry staff requested the company conduct noise monitoring and provide additional information</p>		FB

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					on the unplanned shutdown, including the noise monitoring results. Other agencies involved (if known): No other agencies involved. Updates expected: No further updates expected.		
Nov 16	8:34 am	3:49 pm	Enbridge Pipelines	CVECO Information	Enbridge Pipelines VCO420 at 1010 Plank Road, will be conducting routine maintenance. The public may notice petroleum odours.		
Nov 16	10:04 am	11:50 am	Plains Midstream	CVECO Information	Plains Midstream XNZ861 at 1182 Plank Road, conducting routine maintenance. The public may notice Hydrocarbon odours.		
Nov 16	10:16	4:30 pm	Arlanxeo	CVECO Information	INFORMATION ONLY FOR ARLANXEO, SARNIA FIRE DOING DRIVER TRAINING ON SITE		
Nov 18	2:56 pm		Suncor	CVECO Information	Suncor at 1900 st clair parkway issuing an information code for venting of c o 2 from plant 3. Possibility of increased noise during tis time.	SDS Sheet included	
Nov 18	3:10 pm		Suncor	MOECC (SAC) Information Email>>>	MOECC Reference Number: 1102-AT8QZM Date and Time that the incident occurred: 2017/11/18, 14:30 Date and Time reported to the MOECC: 2017/11/18, 14:35 Company name and location of incident: Suncor Sarnia Refinery, 1900 River Street What has occurred Venting CO2 to atm - visible white steam and possible noise. Due to power outage in the City which causes power outage supply to Plant 3. What Action is being taken None. Waiting for power to return. Updates Expected: No		
Nov 20	2:22 am		NOVA Corunna	MOECC (SAC) Information Email>>>	MOECC Reference Number: 5518-ATAA4Y Date and Time that the incident occurred: 2017/11/20 1:37 Date and Time reported to the MOECC: 2017/11/20 1:54 Company name (if known) and location of incident: Nova - 785 Petrolia Line, Corunna What has occurred? Process upset resulting in flaring What action is being taken? Reduction in pressure Other agencies involved (if known): n/a Updates expected: yes		FB
Nov 20	6:22 am	12:14 pm Nov 24	NOVA Corunna	CVECO Information	Nova Corunna issuing an information for visible flaring.		ANS
Nov 20	11:01 pm	4:48 pm	Enbridge Pipelines	CVECO Information Notice	Enbridge pipeline at 1010 plank road is issuing an information for routine maintenance at the 259 LaSalle Rd address. Petroleum odours may be noted. This is expected to be concluded by 16:30 today.		ANS
Nov 20	5:19 pm		NOVA Corunna	Email from M. Kreeft	NOVA Chemicals Corunna Site is currently experiencing periods of elevated flaring as a result of a process upset. Personnel are investigating. Please remember that changing conditions associated with the re-start of the facility after our planned maintenance turnaround are possible. Information updates are also being shared via the CAER Industry Update line as required. Please call 1-855-4SARNIA or 1-855-472-7642. Please contact me at 519-402-1577 should you have any further questions. With thanks,		ANS

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					Meaghan Kreeft Communications Consultant Manufacturing East Communications NOVA Chemicals Corporation		
Nov 21	8:17 am		Enbridge Pipelines	CVECO Information Notice	Information issued by Enbridge at 1010 Plank Road for routine maintenance which may result in petroleum odours. Work is expected to conclude by 16:00		
Nov 21	1:02 pm	4:58 pm	Imperial Oil	CVECO Information Notice	Imperial Oil investigating an odor in the area		
Nov 21	1:10		INEOS Styrolution	Email from C. Burke	On Saturday, November 25, 2017 INEOS Styrolution will be conducting an onsite drill scenario, The drill will take place ~ at 10:00am. There will be an increase of onsite Emergency Response services (alarms, emergency lights etc.) during this time. The drill will be completed by 11:00am. If you have any questions or concerns please feel free to contact myself. Thank you Chad Burke		FB
Nov 21	1:22 pm		INEOS Styrolution	Email from C. Burke	On Wednesday November 29, 2017, INEOS Styrolution will be conducting testing on the deluge system on the pipe-bridges on Vidal and Tashmoo. Sarnia Police will be conducting traffic control for both Tashmoo and Vidal from 8:00 am to 12 noon. If you have any questions of concerns please feel free to contact myself Thank you Chad Burke		FB
Nov 21	1:25 pm		Imperial Oil	MOECC (SAC) Information Email>>>	MOECC Reference Number: 4325-ATBNPL Date and Time that the incident occurred: 11:55h, November 21, 2017 Date and Time reported to the MOECC: 12:38h, November 21, 2017 Company name (if known) and location of incident: Imperial Oil Limited What has occurred? Imperial Oil has received odour complaints from members of the public. What action is being taken? Imperial Oil has initiated an investigation to attempt to identify any potential odour sources. Other agencies involved (if known): The Sarnia MOECC District Office has been notified. Updates expected: Yes		FB
Nov 21	2:00 pm		NOVA Corunna	Email from M. Kreeft	Further to my email of yesterday, NOVA Chemicals Corunna Site continues to experience periods of elevated flaring and increased noise, as a result of yesterday's process upset that was caused by a compressor trip. As we bring the equipment back online today, we anticipate the flaring and noise to decrease. We thank the community for their patience during this unplanned operational interruption. During unplanned operational interruptions, one way that NOVA Chemicals shares information updates with the community and media is via the CAER Industry Update Line. The update line is a 24-hour service that features information on industry activity through pre-recorded telephone messages. The update line is available to all area residents. Please call 1-855-4SARNIA or 1-855-472-7642. As a support to you and others, I have also included some information here about flaring: Understanding Flares		FB

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				<ul style="list-style-type: none"> • Flares are important safety devices used in refineries and petrochemical facilities. They safely burn excess hydrocarbon gases which cannot be recovered or recycled. Excess hydrocarbon gases are burnt in the flare systems in an environmentally-sound manner, as an alternative to releasing the vapour directly into the atmosphere. • During flaring, excess gases are combined with steam and/or air, and burnt off in the flare system to produce water vapour and carbon dioxide. • Our flare systems must meet strict environmental controls and approvals, as well as NOVA Chemicals' process safety and Responsible Care® standards. • The use of flares is minimized to the extent that is possible. However, flaring can occur during a start-up and shut-down of our facilities for maintenance, and also during unplanned operational interruptions. • NOVA Chemicals is committed to ensuring that our operations run safely and with minimal impact on the community and the environment. We strive to minimize flaring, keeping it to the times that it is necessary for the continued safe operations of our facilities. • When you see flaring, please be assured that flares play a key role in keeping our facilities running safely. <p>As always, please contact me should you have any further questions. With thanks, Meaghan Kreeft Communications Consultant Manufacturing East Communications NOVA Chemicals Corporation</p>		
Nov 21	9:13 pm	NOVA Corunna	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 2332-ATBV5L Date and Time that the incident occurred: 2017/11/21 at 18:00 Date and Time reported to the MOECC: 2017/11/21 at 18:00 Company name (if known) and location of incident: Nova Chemicals - 785 Petrolia Line, St. Clair Township What has occurred? SAC received a complaint from a member of the public regarding a very large flare coming from Nova. What action is being taken? SAC has spoken with Nova and they have advised that the flaring is part of an earlier notification that was due to a process upset. Nova has indicated that they are hoping to be coming off of the flare soon. SAC will be updated when this occurs. SAC has spoken with the MOECC Sarnia ERP who has confirmed the flare and has spoken with Nova and will be informing them of the complaint that has been received. Other agencies involved (if known): None Updates expected: No</p>		FB
Nov 23	11:59 am	NOVA Corunna	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 6834-ATDLUW Date and Time that the incident occurred: November 23, 2017 @ 10:44 Date and Time reported to the MOECC: November 23, 2017 @ 11:04 Company name (if known) and location of incident: NOVA Chemicals, 510 Moore Line, St. Clair Township What has occurred? Ethylene gas spill to air. What action is being taken? Spill has been stopped Other agencies involved (if known): Local MOECC Office notified. Updates expected: No</p>		FB

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Nov 23	4:01 pm		Arlanxeo	CVECO Information Notice	This is being added and cancelled at the same time. Arlanxeo is issuing an information only. This is a preliminary/precautionary notification that the routine/required sample from the Saturday November eighteenth evening storm water batch discharge failed to meet MISA requirements. Sample test is being repeated to determine if cause of failure is related to solids in the water sample resulting from heavy rainfall.		
Nov 23	4:28 pm		INEOS Styrolution	Email from C. Burke	Our Incident Commander for this shift is on vacation, I was not aware of this until today. I will be scheduling this drill to his regular scheduled shift and send another email out at that time. We will be testing the audible fire alarms on site this Saturday at 10am. If do you have any questions or concerns please feel free to contact me Thank you Chad Burke, BSc, CRSP, CHSO Safety & Emergency Response Coordinator		
Nov 24	10:28 am		Unknown	MOECC (SAC) Information Email>>>	MOECC Reference Number: 5785-ATF5AH Date and Time that the incident occurred: 24November2017 @ 20:30 Date and Time reported to the MOECC: 24November2017 @ 21:47 Company name (if known) and location of incident: -Unknown source at this time -Odour complaint location: Vidal Street, near Chippewa Crescent What has occurred? -SAC received an odour complaint from resident of Aamjiwnaang First Nations of gasoline in the community. What action is being taken? -SAC has requested assistance of Sarnia MOECC ERP who is onroute to Sarnia MOECC office. -SAC has contacted nearby companies advising of complaint and seeking follow up response to determine if any issues from sites may be causing offsite odours. Other agencies involved (if known): n/a Updates expected: Yes		
Nov 25	5:45 am		NOVA Corunna	MOECC (SAC) Information Email>>>	MOECC Reference Number: 1664-ATFUCW Date and Time that the incident occurred: 2017/11/25 @ 16:51hrs Date and Time reported to the MOECC: 2017/11/25 @ 17:28hrs Company name (if known) and location of incident: NOVA Chemicals 785 Petrolia Line, Sarnia What has occurred? Heavy flaring. What action is being taken? Facility resolved the event. Other agencies involved (if known): No Updates expected: No		
Nov 26	9:33 am	11:19 am	NOVA Corunna	CVECO Information Notice	INFORMATION OF A SIMULATION ONLY AT NOVA CORUNNA SITE 785 PETROLIA LINE, MOVEMENT OF FIRE TRUCKS AND PERSONEL INVOLVED MAY BE SEEN.		
Nov 27	8:01 pm	9:53 pm	Imperial Oil	CVECO Information Notice	Imperial Oil issuing an information only for high flaring		
Nov 28	8:33 pm	4:23 am Nov 29	Shell Canada	CVECO Information Notice	SHELL XJF737 SHUTTING DOWN CHEM UNIT POSSIBLE HIGH FLARING AND LOUD NOISE		ANS

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Nov 28	8:45 pm		Shell Canada	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 1535-ATK3LU</p> <p>Date and Time that the incident occurred: 2017/11/28 20:20</p> <p>Date and Time reported to the MOECC: 2017/11/28 20:21</p> <p>Company name (if known) and location of incident: Shell Corunna at 150 St Clair Parkway, St Clair</p> <p>What has occurred? Increased flaring due to a unit shut down</p> <p>Updates expected: NO</p>		
Nov 28	8:49 pm	9:56 pm	Shell Canada	CVECO Code 8	Code 8 was issued for shell xjf737 for emergency shut down of chem plant with excessive high flaring		
Nov 28	9:29 pm		Shell Canada	Phone Call from K. Zimmer	Phone call was received from Kristina Zimmer explaining events at the Shell Chemical Plant. A unit upset caused a shutdown of the unit. Flaring was required at that point which included steam to assist the flaring. Indications were that the steam level was too high causing excessive noise. This was adjusted accordingly so noise was minimized. CVECO Code 8 issued as a precaution until the cause of the shutdown has been identified and corrective actions in place. An update will be issued.		
Nov 29	12:04 am		Shell Canada	Email Update from K. Zimmer	The all-clear was sounded at Shell's Corunna site at 9:55 p.m. November 28th following an unplanned shutdown of a process unit at the Chemical Plant on Lasalle Line. The unit outage occurred at approximately 8:20 pm. The flare at the Chemical plant was elevated and noise could be heard offsite. A CVECO Code 8 was issued, and the Ministry of Environment and Climate Change was notified. This incident resulted in a release of light hydrocarbons to atmosphere. Air monitoring was initiated, and there were no concerns with the readings. The source of the outage has been isolated, and the unit remains shutdown. Shell is working on a plan to safely restart it.		
Nov 29	9:35 am	11:43 am	NOVA Corunna	CVECO Information Notice	Information only for Nova Corunna at 785 Petrolia Line. Site evacuation drill planned for today at eleven o'clock this morning. Public may hear site alarms and see red flashing lights and people leaving the plant and gathering in parking lots due to this exercise.		ANS
Nov 29	7:21 pm	8:13 pm	Arlanxeo	ARL Notification	Fire alarm at Arlanxeo Administration building Code 9 issued. For updates call 1 8 5 5 472 7642		
Nov 29	7:24 pm	8:13 pm	Arlanxeo	CVECO Code 9	Code 9 was issued for XJF 740 Arlanxeo at 1265 Vidal St South, for smoke coming from the elevator mechanical room in the administration building.		
Nov 30	10:26 am		Shell Canada	MOECC (SAC) Information Email>>>	<p>MOECC Reference Number: 5688-ARGKU9</p> <p>Date and Time that the incident occurred: 2017/11/30, 10:00</p> <p>Date and Time reported to the MOECC: 2017/11/30, 09:57</p> <p>Company name (if known) and location of incident: Shell Canada Terminal, 150 St. Clair Parkway</p> <p>What has occurred? Gas vapours venting to the atmosphere during quarterly maintenance.</p> <p>What action is being taken? The gas vapour venting and maintenance is expected to take one hour (10:00-11:00).</p> <p>Other agencies involved (if known): No.</p> <p>Updates expected: NO</p>		FB
Nov 30	2:38 pm		Shell Canada	CVECO Information Notice	Shell is reporting an information. unit upset with high flaring and loud noise		ANS

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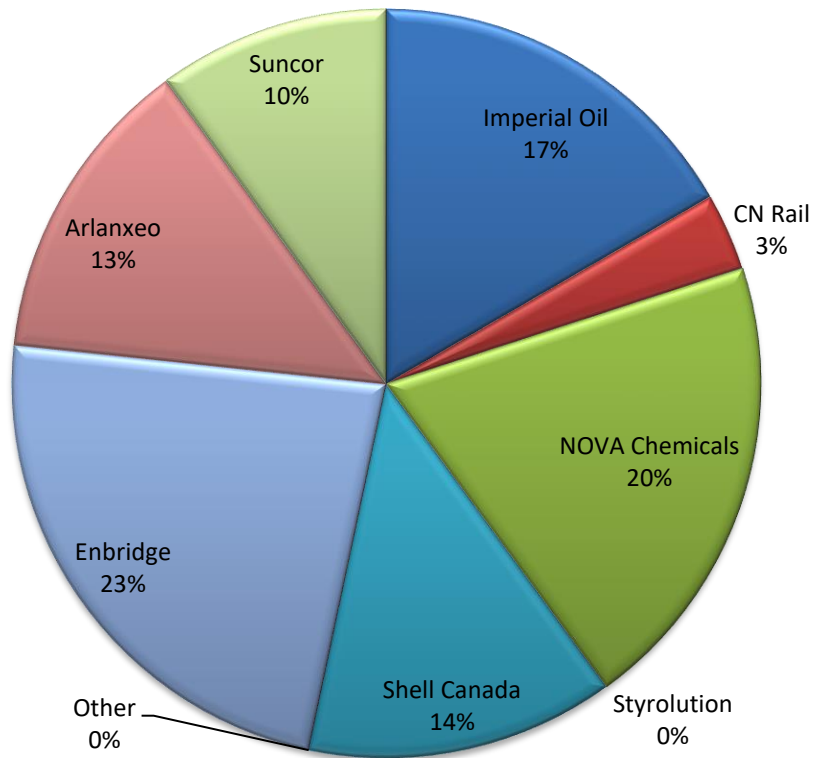
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Nov 30	2:40 pm	3:10 pm	Imperial Oil	CVECO Code 8	Imperial Oil has issued a Code 8 for a vapour release. Further information to follow. FOLLOW-UP (2:48 pm): Update to Imperial Oil Code 8 It is a release of Hydrogen sulfide (H2S) within the plant. No outside readings at this time.	H2S SDS Sheet included	ANS
Nov 30	2:42 pm		Imperial Oil	MOECC (SAC) Information Email>>>	MOECC Reference Number: 6834-ATLQU9 Date and Time that the incident occurred: 2017/11/30 14:25 Date and Time reported to the MOECC: 2017/11/30 14:28 Company name (if known) and location of incident: Imperial Oil, 602 Christina St S, Sarnia What has occurred? Facility reports alarms are ringing at facility What action is being taken? Facility is responding and investigating. Other agencies involved (if known): n/a Updates expected: Yes		FB
Nov 30	2:46 pm		Shell Canada	MOECC (SAC) Information Email>>>	MOECC Reference Number: 3654-ATLQQA Date and Time that the incident occurred: 11/30/2017 14:20 Date and Time reported to the MOECC: 11/30/2017 14:22 Company name (if known) and location of incident: Shell Canada, 150 St. Clair Pkwy, St. Clair What has occurred? -larger than normal flare accompanied by noise What action is being taken? Local MOECC notified Other agencies involved (if known): Local MOECC Updates expected: No		FB
Nov 30	3:42 pm		Imperial Oil	Information Bulletin	Imperial responded to operating issue Sarnia (Thursday, Nov. 30, 2017) - Imperial personnel have responded to an internal operating issue and an onsite sulphur-like odor. The site alarms were activated in an abundance of caution. The issue was noticed at about 2:30 p.m. this afternoon. Imperial personnel investigated and identified an issue with a rail car on our property. The issue has been resolved. Imperial undertook air quality monitoring at its fence-line in addition to third-party monitoring of air quality in the community and no offsite impact was identified. Imperial has informed city officials and notified the CVECO organization. Ontario's Ministry of the Environment and Climate Change has also been notified. There are no reports of injuries. Members of the public who would like information can call Imperial's 24-hour plant operations line at 519 339-5666. Media can call Imperial community affairs at 519 339-4015.		FB
Nov 30	7:47 pm		Shell Canada	Text Message from K. Zimmer	Shell will be restarting equipment at its Corunna refinery this evening. Steam venting is expected, which has the potential to cause noise offsite.		

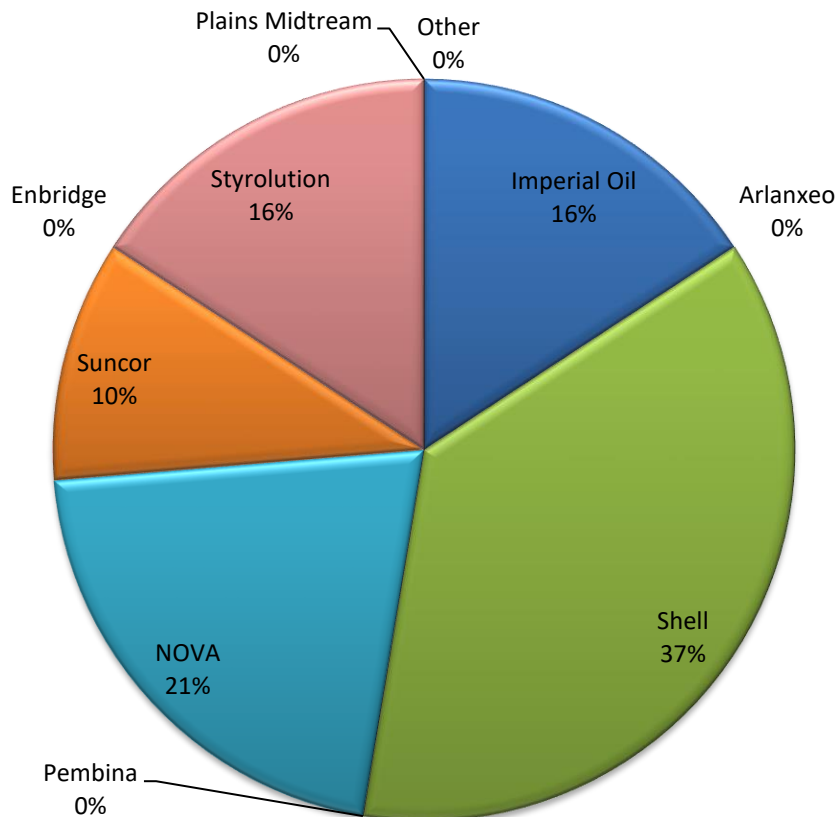
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Incident Notifications for the Month of November 2017

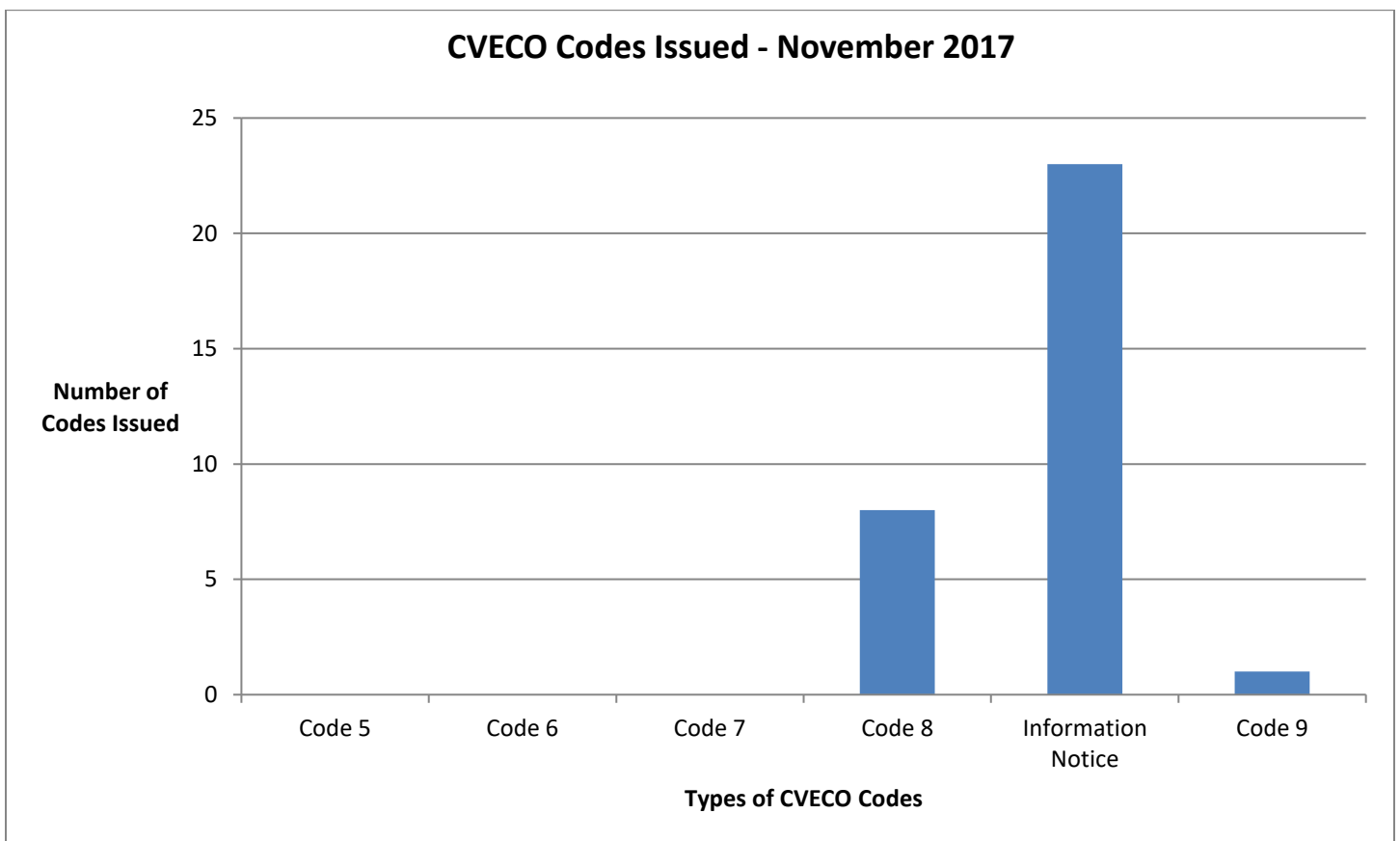


Proactive Notifications for the Month of November 2017



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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. (Includes **Code 91** and **Code 92**-Specific Fire Equipment)