

AAMJIWNAANG FIRST NATION

# Notification Report

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December 2017

**Wilson Plain Jr. – Emergency Management Planner**  
January 10, 2018

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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Incidents reported for the month of December 2017.

- 69 notifications were received
- 2 phone calls, 1 text message, 9 emails and 30 CVECO notifications were received
- 1 CVECO 'Code' was issued. 29 CVECO 'Information Notices' were issued.
- 21 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
Dec 1	8:36 am		Shell Canada	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 3432-ATMHKU  <b>Date and Time that the incident occurred:</b> 2017/12/01, 08:15  <b>Date and Time reported to the MOECC:</b> 2017/12/01, 08:15  <b>Company name (if known) and location of incident:</b>                      Shell Manufacturing Centre                      150 St. Clair Parkway, Corunna  <b>What has occurred?</b>                      Vapour recovery unit will be down for 2-3 hours for quarterly maintenance. May expect some diesel/gasoline vapours to atmosphere during this time.  <b>What action is being taken?</b> None  <b>Other agencies involved (if known):</b> None  <b>Updates expected:</b> No</p>		FB
Dec 1	9:15 am	5:52 am Dec 3	Shell Canada	Text Message - K. Zimmer	Shell will be restarting equipment at its Corunna refinery today. Elevated flaring and potential noise are expected (CVECO Notification still in progress)		
Dec 3	2:10 pm	2:41 pm	Plains Midstream	CVECO Information	Information only issued by XNZ 861 - Plains Mainstream Canada, 1182 Plank Road, Sarnia. Heavy flaring may be seen due to plant upset (unit start up).		
Dec 3	2:39 pm		Plains Midstream	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 5474-ATPQA2  <b>Date and Time that the incident occurred:</b> 2017/12/03 13:53  <b>Date and Time reported to the MOECC:</b> 2017/12/03 @ 13:59  <b>Company name (if known) and location of incident:</b>                      Plains Midstream Canada - 1182 Plank Road, Sarnia  <b>What has occurred?</b> Increased flaring of propane  <b>What action is being taken?</b> Flaring ended as of 14:05  <b>Other agencies involved (if known):</b> N/A  <b>Updates expected:</b> No</p>		
Dec 3	11:05 pm	1:44 am Dec 4	Suncor	CVECO Information	Suncor is experiencing a unit upset. May cause increased flaring.		
Dec 3	11:05 pm		Suncor	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 7445-ATQ6CA  <b>Date and Time that the incident occurred:</b> 22:30  <b>Date and Time reported to the MOECC:</b> 22:41  <b>Company name (if known) and location of incident:</b>                      Suncor Energy - 1900 River Road, Sarnia  <b>What has occurred?</b> There is increased flaring as of 22:30  <b>What action is being taken?</b>                      Suncor staff are correcting the issue  <b>Other agencies involved (if known):</b> N/A  <b>Updates expected:</b> NO</p>		
Dec 4	3:02 pm		Imperial Oil	MOECC Update Information Email>>>	<p><b>Update Information E-mail for Aamjiwnaang First Nation - Imperial Oil – Response to Alarm</b>  <b>MOECC Reference Number:</b> 6834-ATLQU9  <b>Date and Time that the incident occurred:</b> November 30, 2017 @ 2:25 pm</p>		FB

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				<p><b>Date and Time reported to the MOECC:</b> November 30, 2017 @ 2:28 pm</p> <p><b>Company name (if known) and location of incident:</b> Imperial Oil, 602 Christina St S, Sarnia</p> <p><b>What has occurred?</b></p> <ul style="list-style-type: none"> <li>On November 30, 2017, the company called the Spills Action Centre to report a possible vapour release involving hydrogen sulphide due to an activated personal alarm on a worker. Winds were from the west/southwest at the time of the alarm.</li> </ul> <p><b>What action is being taken?</b></p> <ul style="list-style-type: none"> <li>Due to the concern over a potential hydrogen sulphide release, the company issued a shelter in place at Imperial Oil for on- site staff.</li> <li>The company conducted downwind air quality monitoring in the community and found no detection of hydrogen sulphide.</li> <li>Imperial Oil issued a press release to inform the public of the event.</li> <li>Ministry staff were on the company's site at the time of the incident and were included in the shelter in place.</li> <li>The company provided an update to the ministry on their air quality monitoring results, which did not detect hydrogen sulphide around their units.</li> <li>At 3:09 pm the company reported an all clear as there was no indication of any on-going release.</li> <li>A media report on December 1, 2017 noted that a sulphur like odour within the Imperial Oil site was discovered and found to be a rail car as the cause. According to the media report, the issue with the rail car was resolved and their community air quality monitoring did not detect any off site impacts.</li> <li>Ministry staff followed up with the company on December 1, 2017 with regard to the possible cause for the worker's alarm being triggered and were informed that a rail car containing sulphur was the suspected source and a valve on the rail car was tightened to mitigate the issue.</li> </ul> <p><b>Other agencies involved (if known):</b> No other agencies involved.</p> <p><b>Updates expected:</b> No further updates expected.</p>		
Dec 4	3:06 pm	Shell Canada	MOECC Update Information Email>>>	<p><b>Update Information E-mail for Aamjiwnaang First Nation</b> Shell Canada – Increased Flaring and Noise <b>MOECC Reference Number:</b> 3654-ATLQQA</p> <p><b>Date and Time that the incident occurred:</b> November 30, 2017 @ 2:20 pm</p> <p><b>Date and Time reported to the MOECC:</b> November 30, 2017 @ 2:22 pm</p> <p><b>Company name (if known) and location of incident:</b> Shell Canada – 150 St. Clair Parkway, Corunna</p> <p><b>What has occurred?</b></p> <ul style="list-style-type: none"> <li>This update is for an event that happened on November 30, 2017. Shell reported a unit malfunction at 2:20 pm resulting in a higher than normal flare and increased noise associated with the flaring. There were no reports of any spills to air. The company advised that it was continuing to assess the event.</li> </ul> <p><b>What action is being taken?</b></p> <ul style="list-style-type: none"> <li>At 2:51 pm the company informed the ministry that all gases were being directed to flare and there were no releases to atmosphere. The company was arranging for third party air monitoring to be conducted as a precautionary measure.</li> </ul>		FB

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				<ul style="list-style-type: none"> <li>• At 3:21 pm Shell informed the ministry that one of the units had been down since 2:30 pm and they had been flaring acid gas since, and the facility was in the process of shutting down two other units.</li> <li>• As a precautionary measure the ministry's after-hours Environmental Response Person (ERP) was dispatched to confirm the status of the company's operations and to conduct a perimeter check for odours.</li> <li>• Upon arriving in the vicinity of the Shell refinery at 4:56 pm, the ERP conducted a check for odours and conducted air quality monitoring for volatile organic compounds and sulphur dioxide at multiple downwind locations. No odours could be detected and no contaminants could be detected.</li> <li>• At 5:30 pm the ERP met with company representatives who confirmed that there were no uncontrolled emissions coming from the facility, and no contaminants were being detected on the air monitors. The company also advised that they would continue to conduct air monitoring throughout the event until back to normal operations. A consultant had been retained to conduct off-site sampling.</li> <li>• On December 1, 2017 the company informed the ministry that they would be starting up two of the units today and anticipate steady state operations by 9:00 pm. In the meantime, there will be intermittent increased flaring and possible noise from the steam used for the flare. With respect to acid gas flaring, the company advise that that type of flaring had ceased at 4:00 am on December 1, 2017.</li> </ul> <p><b>Other agencies involved (if known):</b></p> <ul style="list-style-type: none"> <li>• SAC notified Health Canada, Environment and Climate Change Canada, and Aamjiwnaang First Nation.</li> </ul> <p><b>Updates expected:</b> No further updates expected.</p>		
Dec 5	8:27 am	Imperial Oil	MOECC Update Information Email>>>	<p><b>Update Information E-mail for Aamjiwnaang First Nation - Imperial Oil - Odour Complaints Received</b>  <b>MOECC Reference Number:</b> 4325-ATBNPL  <b>Date and Time that the incident occurred:</b> November 21, 2017 at 11:55 am  <b>Date and Time reported to the MOECC:</b> November 21, 2017 at 12:30 pm  <b>Company name (if known) and location of incident:</b> Imperial Oil Limited, 602 Christina Street South, Sarnia  <b>What has occurred?</b>  This update is for an event that happened on November 21, 2017. Imperial Oil (IOL) contacted the Spills Action Centre to report they received three odour complaints from the public. The ministry's Sarnia District Office had previously received a call from the public at 11:55 am to report odours also suspected to be from Imperial Oil. The wind was from the southwest at the time.  <b>What action is being taken?</b>  At the time of the IOL call, ministry staff were in the area to follow up on the initial complaint. Ministry staff met with the resident who said the odours were gone. There was no odour at that time when ministry staff were at the resident's location. At 1:07 pm ministry staff were at Imperial Oil's site. The company was investigating the odour complaints they received earlier. Ministry staff met with company staff, requested air quality monitoring information and confirmed that third party monitoring had started by the company. There were no process upsets or issues that IOL was aware of. Ministry staff also checked for odours in the area and no odours could be detected.</p>		FB

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Dec 5	8:31 am	Plains Midstream	MOECC Update Information Email>>>	<p>Update Information E-mail for Aamjiwnaang First Nation – Plains Midstream and Propane Odour in Sarnia  <b>MOECC Reference Number:</b> 5113-AT5LM5  <b>Date and Time that the incident occurred:</b> November 15, 2017 @ 10:30 am  <b>Date and Time reported to the MOECC:</b> November 15, 2017 @ 11:00 am  <b>Company name (if known) and location of incident:</b> Plains Midstream – 1182 Plank Rd., Sarnia  <b>What has occurred?</b>                      This update is for an event that occurred on November 15, 2017. The Sarnia Police dispatch called the ministry's Spills Action Centre to report residential complaints of a strong propane odour. The Spills Action Centre notified the ministry's Sarnia District Office of the issue and staff conducted a field response.  <b>What action is being taken?</b>                      The Sarnia Fire Department inspected the area and conducted air monitoring to determine the source of the odour. The Fire Department was not able to determine the source of the odour at the time of the inspection. Plains Midstream called the Spills Action Centre at approximately 11:25 am to report an odour complaint and a spill of approximately 2 tablespoons of methyl mercaptan while unloading the product from a tanker truck. Methyl mercaptan is used as an odourant for propane and has a strong odour at low concentrations. Ministry staff responded to the incident and inspected the area of the odour complaints at approximately 11:45 am. No odours were detected at the time of the inspection. Ministry staff inspected the Plains Midstream site and gathered additional information on the spilled material. The company confirmed there was a small amount of methyl mercaptan in the loading line to the tank, which spilled into a bucket. The company disposed of the methyl mercaptan in a storage tank and used a deodorant to address the odour.  <b>Other agencies involved (if known):</b>                      The Sarnia Police Services and Fire Department were involved.  <b>Updates expected:</b> No further updates expected.</p>		FB	
Dec 5	5:55 pm	Plains Midstream	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 8663-ATRUGC  <b>Date and Time that the incident occurred:</b> 12/05/2017-17:15  <b>Date and Time reported to the MOECC:</b> 12/05/2017-17:34  <b>Company name (if known) and location of incident:</b>                      Plains Midstream Canada- 1182 Plank Road</p>			

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Dec 5	6:02 pm	2:55 pm Dec 7	Plains Midstream	CVECO Information	Information issued for Plains Midstream XNZ861, for brine pond odour.		
Dec 6	7:56 pm		Shell Canada	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 5560-ATT2UG</p> <p><b>Date and Time that the incident occurred:</b> 2017/12/06 19:00</p> <p><b>Date and Time reported to the MOECC:</b> 2017/12/06 19:42</p> <p><b>Company name (if known) and location of incident:</b> Shell Canada - 150 St. Clair Parkway, Sarnia</p> <p><b>What has occurred?</b> Increased Flaring</p> <p><b>What action is being taken?</b> Investigating, monitoring and start-up</p> <p><b>Other agencies involved (if known):</b> N/A</p> <p><b>Updates expected:</b> No</p>		
Dec 7	11:46 am	12:41 pm	Imperial Oil	CVECO Information	Imperial Oil advised of High Flaring		<b>ANS</b>
Dec 8	10:20 am	11:18 am	Plains Midstream	CVECO Information	Plains midstream at 1182 Plank Rd issuing an information for routine maintenance that may result it a hydrocarbon odour.		
Dec 8	11:05 am	11:56 am	NOVA Moore	CVECO Information	Nova Moore at 510 Moore line conducting ER training (evacuation drill) on site. Alarms sounding and emergency lights will be activated. This will start at approximately 11:00.		
Dec 8	4:40 pm	5:52 pm Dec 13	Enbridge Pipelines	CVECO Information	Enbridge Pipelines at 1010 Plank Road issuing an information for routine maintenance. There may be a possibility of petroleum odours.		
Dec 8	4:57 pm	9:45 pm Dec 9	Suncor	CVECO Information	Information issued for Suncor Energy at 1900 Saint Clair Parkway for unit upset resulting in possible increased flaring and noise.		
Dec 9	5:26 pm		Suncor	Phone call from J. Johnson	Jennifer Johnson called to advise that the CVECO Information indicates high flaring but there may not be any. It was issued as a precaution.		
Dec 8	5:23 pm		Suncor	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 5071-ATUT82</p> <p><b>Date and Time that the incident occurred:</b> Dec 8th 2017 16:30</p> <p><b>Date and Time reported to the MOECC:</b> Dec 8th 2017 16:30</p> <p><b>Company name (if known) and location of incident:</b> Suncor Sarnia</p> <p><b>What has occurred?</b> Plant startup, possible flaring</p> <p><b>What action is being taken?</b> Fenceline monitoring</p> <p><b>Other agencies involved (if known):</b> N/A</p> <p><b>Updates expected:</b> No</p>		
Dec 9	8:46 pm	1:26 am Dec 10	CF Industries	CVECO Information	CF INDUSTRIES AT 161 BICKFORD LINE IN COURTRIGHT IS ISSUING AN INFORMATION ONLY FOR NITRIC ACID UNIT START UP.		
Dec 10	4:57 am	6:51 am	CF Industries	CVECO Information	CF INDUSTRIES AT 161 BICKFORD LINE IS ISSUING AN INFORMATION ONLY FOR NITRIC ACID UNIT SHUTDOWN		
Dec 12	3:45 pm		Shell Canada	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 1753-ATYRZK</p> <p><b>Date and Time that the incident occurred:</b> 2017/12/12 12:30</p> <p><b>Date and Time reported to the MOECC:</b> 2017/12/12 15:28</p> <p><b>Company name (if known) and location of incident:</b> Shell Canada 150 St. Clair Parkway, St. Clair</p> <p><b>What has occurred?</b> Unit startup at plant from 12:30 and ongoing, flaring during startup</p>		

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					<b>What action is being taken?</b> Information recorded by SAC <b>Other agencies involved (if known):</b> <b>Updates expected:</b> NO		
Dec 12	9:07 pm	11:33 am Dec 17	Shell Canada	CVECO Information	INFORMATION ONLY FOR SHELL CANADA XJF737 FOR UNIT START UP AT CHEM PLANT POSSIBLE HIGH FLARE.		
Dec 12	9:12 pm	11:34 am Dec 17	Shell Canada	CVECO Information	SHELL ISSUING INFORMATION ONLY FOR UNIT START UP AT UDEX POSSIBLE HIGH FLARE AND LOUD NOISE.		
Dec 13	12:55 pm		Shell Canada	MOECC (SAC) Information Email>>>	<b>MOECC Reference Number:</b> 5360-ATZNEC <b>Date and Time that the incident occurred:</b> 11:30h, Dec 13/17 <b>Date and Time reported to the MOECC:</b> 12:23h, Dec 13, 2017 <b>Company name (if known) and location of incident:</b> Shell Canada, 150 St. Clair Parkway, Sarnia <b>What has occurred?</b> Flaring occurred today from 11:30 to 11:40. <b>What action is being taken?</b> Flaring has stopped. <b>Other agencies involved (if known):</b> No other agencies involved. <b>Updates expected:</b> No		FB
Dec 13	12:57 pm	12:57 pm	NOVA Moore	CVECO <b>Code 8</b>	Code 8 was issued for Nova Moore site vcw479 at 510 Moore line. All clear was issued at the same time. All is in order at this time. (provide details)		
Dec 13	6:58 pm	12:50 pm Dec 25	Shell Canada	CVECO Information	Shell Canada at 150 Saint Clair Parkway has issued an information only for unit upset CR3 ISO MAX. Possible noise and high flaring.		
Dec 13	7:07 pm		Shell Canada	MOECC (SAC) Information Email>>>	<b>MOECC Reference Number:</b> 8102-ATZVTD <b>Date and Time that the incident occurred:</b> 2017/12/13 @ 18:40 <b>Date and Time reported to the MOECC:</b> 2017/12/13 @ 18:42 <b>Company name (if known) and location of incident:</b> Shell Canada - 150 St. Clair Parkway, St. Clair <b>What has occurred?</b> Increased Flaring Gas Vapours <b>What action is being taken?</b> Monitoring <b>Other agencies involved (if known):</b> N/A <b>Updates expected:</b> No		
Dec 13	8:19 pm		Shell Canada	Phone call from B. Bird	Bryant Bird from Shell called to advise of current situation at Shell. ISO MAX unit has an upset which may result in higher than normal flaring and possible higher noise		
Dec 14	2:48 pm		Suncor	MOECC (SAC) Information Email>>>	<b>MOECC Reference Number:</b> 4855-AU2QX8 <b>Date and Time that the incident occurred:</b> December 14, 2017 at 14:33 - 17:33 <b>Date and Time reported to the MOECC:</b> December 14, 2017 at 14:33 <b>Company name (if known) and location of incident:</b> Suncor Sarnia Refinery, 1900 River Road, City of Sarnia <b>What has occurred?</b> Partial shutdown of plant 2 and start up <b>What action is being taken?</b> none <b>Other agencies involved (if known):</b> MOECC <b>Updates expected:</b> NO		FB
Dec 14	3:27 pm	12:08 am Dec 15	Suncor	CVECO Information	Unit Upset at Suncor Refinery. As a result, there may be possibility of increased flaring and noise during the upset.		ANS
Dec 15	703 pm		INEOS Styrolution	MOECC (SAC) Information Email>>>	<b>MOECC Reference Number:</b> 4151-AU3SRT <b>Date and Time that the incident occurred:</b> 2017/12/14 18:00 <b>Date and Time reported to the MOECC:</b> 2017/12/15 12:35 <b>Company name (if known) and location of incident:</b> INEOS Styrolution Canada Ltd - 872 Tashmoo Ave, Sarnia <b>What has occurred?</b>		

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					Undergoing planned maintenance activities, elevated benzene readings were recorded, but now below allowable limits. <b>What action is being taken?</b> MOECC priority field response, air monitoring <b>Other agencies involved (if known):</b> N/A <b>Updates expected:</b> No		
Dec 16	11:22 pm	1:12 am Dec 17	CF Industries	CVECO Information	INFORMATION issued for CF Industries at Courtright for smokey stack.		
Dec 17	3:12 am	4:57 am	CF Industries	CVECO Information	INFORMATION FOR CF INDUSTRIES FO UNIT SHUT DOWN. POSSIBLE SMOKEY STACK.		
Dec 17	8:14 am	10:14 am	CF Industries	CVECO Information	CF Industries will be starting up the Nitric Acid Unit may experience a smokey stack.		
Dec 18	8:45 am	1:00 pm	Enbridge Pipelines	CVECO Information	Enbridge at 1010 Plank Road issued an information only. Scheduled maintenance that may cause petroleum odours. This should be completed by two o'clock today.		
Dec 18	9:56 am	11:40 am	Plains Midstream	CVECO Information	Plains Midstream at 1182 Plank Road issuing an information only for routine maintenance and a hydro carbon odour may be noticeable.		
Dec 18	11:15 am	11:08 pm	NOVA Corunna	CVECO Information	Nova Chemicals at 785 Petrolia Line issuing an information only for high flaring due to unit upset.		ANS
Dec 18	11:47 am		NOVA Corunna	MOECC (SAC) Information Email>>>	<b>MOECC Reference Number:</b> 3233-AU6LY8 <b>Date and Time that the incident occurred:</b> 2017/12/18 10:58 <b>Date and Time reported to the MOECC:</b> 2017/12/18 11:09 <b>Company name (if known) and location of incident:</b> Nova Chemicals - 785 Petrolia Line, St. Clair <b>What has occurred?</b> Increased flaring <b>What action is being taken?</b> Investigating <b>Other agencies involved (if known):</b> N/A <b>Updates expected:</b> No		FB
Dec 18	11:49 am	3:18 am Dec 19	Shell Canada	CVECO Information	Shell Canada issuing and information only for NHT shut down. Winds are out of the south at 12 kilometers an hour <b>UPDATE:</b> Update, NHT start up at Shell Canada. Winds are out of the southwest at 20 kilometers an hour		ANS
Dec 20	2:09 am		Shell Canada	Email from B. Bird	I wanted to send each of you a quick update in regards to the compressor failure and subsequent shut down of Process Unit II last week (Wednesday December 13). We have since changed out the compressor and will begin our start-up procedure today (Wednesday December 20th ) which means that there is going to be visible flaring at the refinery site. The flaring is expected to be relatively clean as we start-up and re-pressurize various equipment pieces and pipelines as well as run through safety protocols to get the unit back up and running again. The start-up process is expected to take approx. 3-4 days so flaring is likely to occur until Sunday. Odors should be at a minimum as it is mostly cleaner burning light hydro carbons that are being flared off and there's a limited need for steam so the noise should be limited to just the flaring itself. We will be issuing a CEVCO Code 8 notification but wanted to give you the heads up that this is occurring at the plant should you receive any concerns or inquires. I'm currently heading to BC in order to spend sometime with my family for the holidays, however; you can still call 226-779-2550 and either I or Stephen Velthuisen will help address your concerns as needed.		



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					I also wanted to take this opportunity to thank each of you for making time to talk face to face and welcoming me to the community.		
Dec 20	9:20 am	12:52 pm	CF Industries	CVECO Information	CF INDUSTRIES COURTRIGHT NITROGEN COMPLEX WILL BE HAVING A PLANNED STARTUP OF THE NITRIC ACID UNIT. SMOKEY STACK AND LOUD NOISE MAY BE EXPERIENCED. WIND NORTH WEST 14 KILOMETERS PER HOUR.		
Dec 20	9:20 am		Imperial	Email Notification from K. Zimmer	Imperial's Sarnia Manufacturing Site has planned maintenance scheduled for Wednesday, December 20th. As a result, elevated flaring is expected throughout the day and evening. The CAER Industry Update Line can also be accessed for information at 1-855-4SARNIA.		FB
Dec 20	11:30 am	10:56 pm	Imperial	CVECO Information	imperial oil issued an information only for high flaring for planned maintenance work		ANS
Dec 20	7:48 pm	8:59 pm	CF Industries	CVECO Information	CF Industries issued information for unit start up smokey stack and loud noise		
Dec 20	8:23 pm		Shell Canada	CVECO Information	Shell issued information for unit start up. high flaring and loud noise.		
Dec 21	2:15 pm		Imperial	Email from K. Zimmer	Imperial plans to restart equipment at its Sarnia Manufacturing Site today (Thursday, December 21st). As a result, elevated flaring is expected for a period of up to 24-hours. The CAER Industry Update Line can also be accessed for information at 1-855-4SARNIA.		FB
Dec 22	10:09 am	12:49 pm Dec 24	Imperial	CVECO Information	IMPERIAL OIL ISSUING AND INFORMATION ONLY FOR HIGH FLARE DUE TO UNIT START UP		ANS
Dec 22	2:19 pm		Shell Canada	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 8330-AUAQ8M</p> <p><b>Date and Time that the incident occurred:</b> 2017/12/22 15:00</p> <p><b>Date and Time reported to the MOECC:</b> 2017/12/22 13:56</p> <p><b>Company name (if known) and location of incident:</b> Shell Canada - 150 St. Clair Parkway, St. Clair</p> <p><b>What has occurred?</b> Planned Maintenance</p> <p><b>What action is being taken?</b> Spills Action Centre Notified</p> <p><b>Other agencies involved (if known):</b> N/A</p> <p><b>Updates expected:</b> No</p>		
Dec 22	2:27 pm	1:02 pm Dec 23	Shell Canada	CVECO Information	Shell Canada issuing an information only for planned unit shut down at the BTX.		
Dec 22	3:09 pm		Imperial	Email from K. Zimmer	Imperial continues the process of restarting equipment at its Sarnia Manufacturing Site. There will be elevated flaring today (Friday, December 22) and it's expected to last for several hours. The CAER Industry Update Line can also be accessed for information at 1-855-4SARNIA.		
Dec 26	12:49 pm		NOVA Corunna	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 6543-AUE8GB</p> <p><b>Date and Time that the incident occurred:</b> 2017/12/25 23:25</p> <p><b>Date and Time reported to the MOECC:</b> 2017/12/26 00:30</p> <p><b>Company name (if known) and location of incident:</b> Nova Chemicals, 785 Petrolia Line, St. Clair</p> <p><b>What has occurred?</b> Larger than normal flare</p> <p><b>What action is being taken?</b> Back to normal operations</p> <p><b>Other agencies involved (if known):</b></p> <p><b>Updates expected:</b> No</p>		
Dec 27	9:14 am		Imperial	Email from K. Zimmer	Imperial plans to restart process equipment at its Sarnia site today (December 27). This is a planned startup following maintenance. Community members will notice periods of elevated flaring for up to several days. Flaring is a regulated and environmentally approved measure to safely burn off excess product or materials used at our facility. Additional		

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					steam will be noticeable and helps reduce smoke in the flares. Imperial's 24-hour operations line is available at 519-339-5666. Information can also be accessed through the CAER Industry Update Line at 1-855-4SARNIA.		
Dec 27	9:56 am		NOVA St Clair	MOECC Initial Information Email>>>	<p><b>Initial Information E-mail for Aamjiwnaang First Nation –</b>            Nova Chemicals – Spill of Heat Transfer Fluid  <b>MOECC Reference Number:</b> 4828-AU3RGU  <b>Date and Time Incident Occurred:</b> December 15/17 1:00am  <b>Date and Time Reported to MOECC:</b> December 15/17 10:58am  <b>Company Name:</b>            Nova Chemicals (St. Clair site), 285 Albert St., St. Clair Township  <b>What has Occurred?</b>            This notification is for an event that occurred on December 15, 2017. Nova Chemicals (St. Clair site) called the ministry's Sarnia District Office to report a leak of heat transfer fluid to the ground. The material entered a drain and froze in a catch basin on the company's site. The company reported that the sewer continued to discharge while the material was in the catch basin. The quantity of the material spilled is unknown.  <b>What action is being taken?</b>            Ministry staff inspected the St. Clair River near the company's discharge outfall at 12:30 pm on December 15, 2017. Ministry staff did not see any impacts or a sheen on the water. Ministry staff inspected the Nova site and collected samples of the company's discharge. Ministry staff observed the frozen material in the area of the leak and the drain that flows into the company's sewer. Ministry staff requested additional information on the heat transfer fluid, volume of fluid spilled, and the results of the company's samples taken from locations in their sewer and the discharge. The company isolated the area of the spill in their sewer and removed the frozen material.            Ministry staff are awaiting the results of sampling to determine if there may have been a discharge off-site and whether follow-up compliance action is required.  <b>Other agencies involved (if known):</b> No other agencies  <b>Updates Expected:</b> No further updates expected.</p>		FB
Dec 27	9:58 am		Shell Canada	MOECC Update Information Email>>>	<p><b>Update Information E-mail for Aamjiwnaang First Nation -</b>            Shell Corunna - Increased Flaring  <b>MOECC Reference Number:</b> 1535-ATK3LU  <b>Date and Time that the incident occurred:</b> November 28, 2017 at 8:20 pm  <b>Date and Time reported to the MOECC:</b> November 28, 2017 at 8:21 pm  <b>Company name (if known) and location of incident:</b>            Shell Corunna at 150 St Clair Parkway, St Clair  <b>What has occurred?</b>            This update is for an event that occurred on November 28, 2017. Shell Canada called the ministry's Spills Action Centre to report increased flaring at their site due to an unplanned shutdown of a unit, and later reported that a safety valve released propane and butane, which went to the flare. A resident called the Spills Action Centre at approximately 8:50 pm to report fire department vehicles arriving at the company's site. Winds were from the west at the time of the flaring.  <b>What action is being taken?</b>            The company worked on the unit to safely shut it down and called the fire department as a precaution. Ministry staff contacted Aamjiwnaang First Nation, Environment Canada and Health Canada due to a possible spill to air. The company later confirmed that the released hydrocarbons were managed</p>		FB

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					<p>through the flare and that there were no hydrocarbon vapours released to air. Ministry staff followed up with the company on November 29, 2017 for additional details of the shutdown. The company will be sending a report to the ministry on the root cause of the shutdown and actions taken to prevent it from happening again.</p> <p><b>Other agencies involved (if known):</b> No other agencies involved.</p> <p><b>Updates expected:</b> No further updates expected.</p>		
Dec 27	9:59 am	Unknown	MOECC Update Information Email>>>	<p><b>Update Information E-mail for Aamjiwnaang First Nation – Gasoline Odour Complaint</b> <b>MOECC Reference Number:</b> 5785-ATF5AH <b>Date and Time that the incident occurred:</b> November 24, 2017 at 8:30 pm <b>Date and Time reported to the MOECC:</b> November 24, 2017 at 9:47 pm <b>Company name (if known) and location of incident:</b> Odour complaint location: Vidal Street, near Chippewa Crescent <b>What has occurred?</b> This update is for an odour complaint on November 24, 2017. The ministry's Spills Action Centre received a gasoline odour complaint from a resident of Aamjiwnaang First Nation. Wind direction was from the south at the time of the call. <b>What action is being taken?</b> The ministry's Spills Action Centre (SAC) contacted two companies in the area to notify them that the ministry had received an odour complaint. The first company confirmed no unusual upsets or issues at their site and had their staff check for odours around the area. The second company also checked for odours around their facility and did not detect odours from their site. Ministry staff inspected the area at approximately 11:51 pm on November 24, 2017. Ministry staff detected a slight odour at the northwest area of one of the company's sites. Ministry staff contacted the company regarding the odour. The company conducted air quality monitoring, alongside ministry staff, in line with the wind direction from their site and the location of the complaint. There was no detection of hydrogen sulphide, sulphur dioxide or volatile organic compounds, including benzene, The company indicated that they would continue to monitor for odours throughout the night and contact SAC if any readings were detected. The ministry did not receive any notifications from the company regarding detection of contaminants or odours. Ministry staff followed up with the resident with the results of the inspection and air monitoring. <b>Other agencies involved (if known):</b> No other agencies involved. <b>Updates expected:</b> No further updates expected.</p>		FB	
Dec 27	10:02 am	INEOS Styrolution	MOECC Update Information Email>>>	<p><b>Update Information E-mail for Aamjiwnaang First Nation - INEOS Styrolution - Elevated Benzene Levels Detected</b> <b>MOECC Reference Number:</b> 4151-AU3SRT <b>Date and Time that the incident occurred:</b> 2017/12/14 @ 6:00 pm <b>Date and Time reported to the MOECC:</b> 2017/12/15 @ 12:35 pm <b>Company name (if known) and location of incident:</b> INEOS Styrolution Canada Ltd - 872 Tashmoo Ave, Sarnia <b>What has occurred?</b> This update is for an event that occurred on December 14, 2017. INEOS Styrolution called the ministry's Sarnia District Office at 12:35 pm on December 15, 2017 to report elevated</p>		FB	

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					<p>emissions from an above ground storage tank containing benzene. The company was conducting maintenance on the tank after draining the tank contents. The company determined that weather conditions were not suitable to continue with the maintenance work. The company decided to refill the tank to re-establish the floating roof and minimize emissions to air.</p> <p><b>What action is being taken?</b></p> <p>During the tank maintenance work, the company retained a consultant to conduct air quality monitoring. During this monitoring, elevated levels of benzene were detected in samples taken beyond the company’s fence line at approximately 6:00 pm on December 14, 2017 and again at 6:00 am on December 15, 2017.</p> <p>Due to the elevated levels detected, the company slowed the filling rate of the tank. The consultant continued to conduct 5 minute samples in the community every 12 hours. Sampling results showed that the levels of benzene had gone down to .034 ppm. The company adjusted the filling rate of the tank a second time to further reduce the benzene emissions. Ministry staff directed the company to increase the air quality sampling to every 6 hours during the filling of the tank.</p> <p>To enhance air monitoring in the area, the ministry’s regional air monitoring van was deployed to conduct air monitoring on December 15, 2017. The air monitoring van arrived in the area at approximately 4:00 pm and an Environmental Response Person from ministry’s Sarnia District Office assisted with the air monitoring. Ministry staff took 30-minute air quality samples upwind and downwind of the tank.</p> <p>To ensure the company’s activities were closely monitored over the weekend, the ministry dispatched the ministry’s after-hours Environmental Response Person on December 16, 2017. The Environmental Response Person inspected the area at 12:30 pm, set up air sampling canisters for one hour air quality samples downwind and upwind of the tank, and gathered additional information from the company regarding the status of the tank filling and air monitoring results. The company reported that the fill rate of the tank could not be slowed further. Ministry staff requested additional information from the company on the flow rates for the tank.</p> <p>Ministry staff contacted the company at approximately 3:30 am on December 18, 2017 for an update on the tank filling and air monitoring results. The company reported they were continuing with filling the tank, monitoring air quality around the tank using hand held devices, and had also secured two fixed monitoring devices downwind and upwind of the tank. There had been no detection of benzene with these monitors. Ministry staff will be following up with the company on opportunities to minimize emissions to air when such maintenance activities are planned in the future.</p> <p><b>Summary of Air Monitoring Results</b></p> <p>Air monitoring was conducted by the company’s consultant from December 14, 2017 to December 18, 2017. The results ranged from 0.0074 ppm to 0.219 ppm. Ministry air monitoring was conducted from approximately 4:00 pm to 7:00 pm on December 15, 2017. The results ranged from 0.001 ppm to 0.017 ppm. The winds were from the southwest at the time of the sampling and changed to west and then east and northeast over the weekend (December 16 and 17, 2017). The Aamjiwnaang air monitoring station did not show elevated levels of benzene.</p>		
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					<p>The measured values do not correspond to a ministry standard as they were taken over a short period of time. The consultant's samples were based on a 5 minute duration. The ministry's samples were based on a 30 minute duration. Although they do not correspond to a ministry standard, the ministry does have Emergency Screening Values for benzene based on 1 hour and 8 hour exposure periods. It is 52 ppm for 1 hour exposure and 4.5 ppm for 8 hour exposure.</p> <p><b>Other agencies involved (if known):</b> No other agencies involved.</p> <p><b>Updates expected:</b> No further updates.</p>		
Dec 27	10:10 am	NOVA Corunna	MOECC Update Information Email>>>	<p><b>Update Information E-mail for Aamjiwnaang First Nation – NOVA Chemicals - Hydrogen Sulphide Level Alarms</b>  <b>MOECC Reference number:</b> 2843-ASX2HW  <b>Date and Time that the incident occurred:</b> November 8, 2017 @ 4:35 pm  <b>Date and Time reported to the MOECC:</b> Ministry staff contacted the company on November 8, 2017 at 5:05 pm  <b>Company name and location of incident:</b>  NOVA Chemicals, 785 Petrolia Line, Corunna, St. Clair Township</p> <p><b>What has occurred?</b>  This update is for an event that happened on November 8, 2017. At approximately 4:35 pm, a hydrogen sulphide monitor at a unit at the NOVA Chemicals' site in Corunna, detected elevated levels hydrogen sulphide. The company was flushing out a sewer when the elevated levels of hydrogen sulphide were detected. This procedure was during the company's start-up of their operations after a scheduled maintenance shutdown. This triggered an alarm to be activated at approximately 4:37 pm, which according to the company's site procedure, required staff at the site to be evacuated and the company's emergency operations centre to be enacted. Nova issued an all clear for the site at 5:50 pm.</p> <p><b>What action is being taken?</b>  Once the monitors detected the hydrogen sulphide, the company stopped the procedure and the level dropped below the monitors alarm threshold at approximately 4:40 pm. Ministry staff contacted the company at 5:05 pm on November 8, 2017 to enquire if there was an incident ongoing at the facility. The company representative advised that an alarm had been activated at the site and that no additional information was yet available. The company representative was in the process of gathering details in regard to the alarm. The ministry's Spills Action Centre (SAC) attempted to contact the company for additional details. At 7:00 pm the company informed SAC that the incident was resolved as of 5:50 pm. The company reported that they conducted fence line monitoring throughout the event, and that no readings of hydrogen sulphide were observed.</p> <p>The ministry's Spills Action Centre notified Aamjiwnaang First Nation, Environment and Climate Change Canada, and Health Canada. The ministry's after-hours Environmental Response Person (ERP) was dispatched to inspect the area. After having attended another incident, the ministry's ERP attended the Nova Chemicals site at approximately 10:40 pm to gather details on the cause for the alarm and the site evacuation. In a report submitted to the ministry on November 9, 2017, that included air monitoring records, the company advised that fence line monitoring for hydrogen sulphide, throughout the event, did not result in a detection of hydrogen sulphide. Ministry staff conducted a follow-up site inspection at approximately 3:00 pm of November 9, 2017, to gather</p>		FB	

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					<p>additional details on the cause for the alarm, the site evacuation, and to confirm the status of current operations. The ministry also conducted air quality monitoring around the Nova site from 3:00 pm to 7:00 pm on November 9, 2017, using the ministry's regional air monitoring van. The air quality monitoring was conducted both upwind and downwind of the Nova site for total reduced sulphur compounds, which included hydrogen sulphide. The monitoring showed low level detections of total reduced sulphur compounds, in both the upwind and downwind samples. The results confirmed that there were no concerns with hydrogen sulphide emissions from the site on November 9, 2017 as the company continued with its plant start-up procedures. On November 9, 2017, the company submitted a report to the ministry regarding the root cause of the incident and their rationale for the event to be considered a non-reportable spill.</p> <p>Ministry staff reviewed the information related to the event on November 8, 2017 at 4:35 pm and determined that the incident should have been reported to the ministry forthwith, as required under the Environmental Protection Act. The company was subsequently informed of the ministry's determination.</p> <p><b>Other agencies involved:</b> No other agencies involved.  <b>Further Updates Expected:</b> No further updates</p>		
Dec 27	10:38 am	5:06 pm Dec 28	Imperial	CVECO Information	Imperial Oil advised of High Flaring		
Dec 27	5:03 pm		Imperial	Email from K. Zimmer	<p>Earlier today (December 27), Imperial began the process of restarting equipment at its Sarnia site. As we communicated this morning, this is a planned start-up following maintenance and we expect periods of elevated flaring for up to several days. Flaring is a regulated and environmentally approved measure to safely burn off excess product or materials used at our facility. Additional steam will be noticeable and helps reduce smoke in the flares. We appreciate the patience of the community as we work to safely restart our equipment and return the plant to normal operations. Imperial's 24-hour operations line is available at 519-339-5666. Information can also be accessed through the CAER Industry Update Line at 1-855-4SARNIA.</p>		
Dec 27	8:24 pm		Imperial	Email from K. Zimmer	<p>Imperial is managing an equipment outage at its Sarnia site this evening (December 27). As a result, there is high flaring, and the community will also notice additional steam generation. Air monitoring by both Imperial and a third-party company is being initiated. The Ministry of Environment and Climate Change has been notified, and the information has been communicated to CVECO.</p> <p>Earlier this morning, Imperial restarted equipment at the refinery following planned maintenance. Tonight's outage is a separate issue.</p> <p>Safety is our top priority as we work to bring our equipment back online and return the plant to normal operations. Imperial's 24-hour operations line is available at 519-339-5666. Information can also be accessed through the CAER Industry Update Line at 1-855-4SARNIA. I can be contacted at 519-312-2551.</p>		
Dec 27	9:23 pm		Imperial	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 0672-AUG4K7  <b>Date and Time that the incident occurred:</b> 12/27/2017-09:20  <b>Date and Time reported to the MOECC:</b> 12/27/2017-09:20  <b>Company name (if known) and location of incident:</b>                      Imperial Oil- 602 Christina St. S.</p>		

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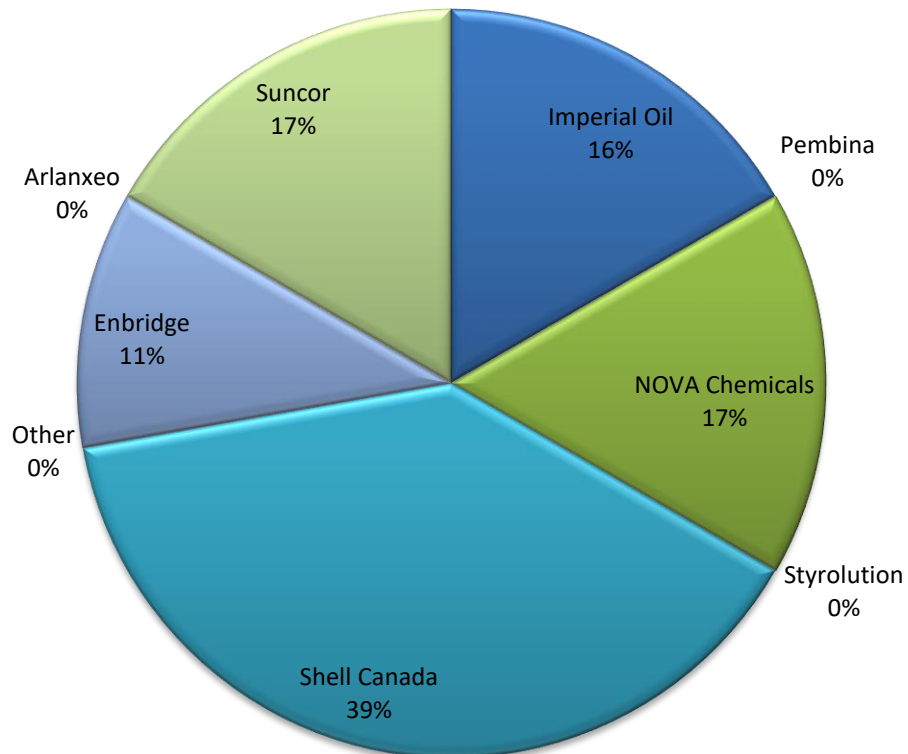
					<p><b>What has occurred?</b> Unit upset, maintenance ongoing, increased flaring, increased emission opacity</p> <p><b>What action is being taken?</b> Samples being taken, maintenance ongoing.</p> <p><b>Other agencies involved (if known):</b> N/A</p> <p><b>Updates expected:</b> Yes</p>		
Dec 27	11:28 pm		Imperial	Information Bulletin	<p><b>Imperial Sarnia Coker Restarting</b> (Tuesday, December 27, 2017) – The Coker unit at Imperial’s Sarnia Manufacturing Site is in the process of restarting following an internal operating issue at the site the evening of December 23, 2107. As a result, the plume from the site’s main boiler stack may occasionally be darker than normal. Personnel are taking steps to minimize emissions during the restart process. Imperial does not expect emissions during restart to exceed government guidelines. The Ministry of Environment and Climate Change and the community have been notified. Members of the public who would like more information can call Imperial's 24-hour plant operations line at 519-339-5666.</p>		
Dec 28	10:41 am		Imperial	Information Bulletin	<p>Imperial continues the process of safely returning its Sarnia Manufacturing Site to normal operations following an unplanned equipment outage last night. Elevated flaring and additional steam venting are noticeable. Air monitoring by both Imperial and a third-party company began shortly after the outage, and we are continuing this today as a precaution. At this time, there have been no levels detected through air monitoring. We appreciate the patience of the community as we continue to bring our equipment online. Imperial’s 24-hour operations line is available at 519-339-5666. Information can also be accessed through the CAER Industry Update Line at 1-855-4SARNIA.</p>		
Dec 30	12:55 pm	2:38 am Dec 31	Plains Midstream	CVECO Information	Plains Midstream has unit start up that may cause increase in flaring		
Dec 30	2:54 pm		Shell Canada	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 2560-AUJPSK <b>Date and Time that the incident occurred:</b> December 30, 2017 <b>Date and Time reported to the MOECC:</b> Dec 30, 2017 13:34 <b>Company name (if known) and location of incident:</b> Shell Canada, 150 St. Clair Parkway, St.Clair Township.</p> <p><b>What has occurred?</b> SAC received a complaint for higher than normal flare from site.</p> <p><b>What action is being taken?</b> MOECC Sarnia ERP response requested to site.</p> <p><b>Other agencies involved (if known):</b> NA</p> <p><b>Updates expected:</b> NO</p>		
Dec 30	4:04 pm		Plains Midstream	MOECC (SAC) Information Email>>>	<p><b>MOECC Reference Number:</b> 6344-AUJRW R <b>Date and Time that the incident occurred:</b> December 30, 2017, @ 13:59 <b>Date and Time reported to the MOECC:</b> December 30, 2017 @ 15:23 <b>Company name (if known) and location of incident:</b> Plains Midstream Canada, 1182 Planck Road, Sarnia</p> <p><b>What has occurred?</b> Increased flaring due to start-up, that lasted for 10 minutes.</p> <p><b>What action is being taken?</b> Start-up complete.</p> <p><b>Other agencies involved (if known):</b> NA</p> <p><b>Updates expected:</b> NO</p>		

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Dec 30	4:09 pm		Shell Canada	CVECO Information	Shell issued an information for unit start up high flaring and loud noise		
Dec 30	4:17 pm		Shell Canada	MOECC (SAC) Information Email>>>	<b>MOECC Reference Number:</b> 2724-AUJSD8 <b>Date and Time that the incident occurred:</b> 12/30/2017-16:00 <b>Date and Time reported to the MOECC:</b> 12/30/2017-15:45 <b>Company name (if known) and location of incident:</b> Shell Canada Lambton Facility <b>What has occurred?</b> Process Start-up <b>What action is being taken?</b> Process Start-up <b>Other agencies involved (if known):</b> No <b>Updates expected:</b> No		

### Incident Notifications for the Month of December 2017

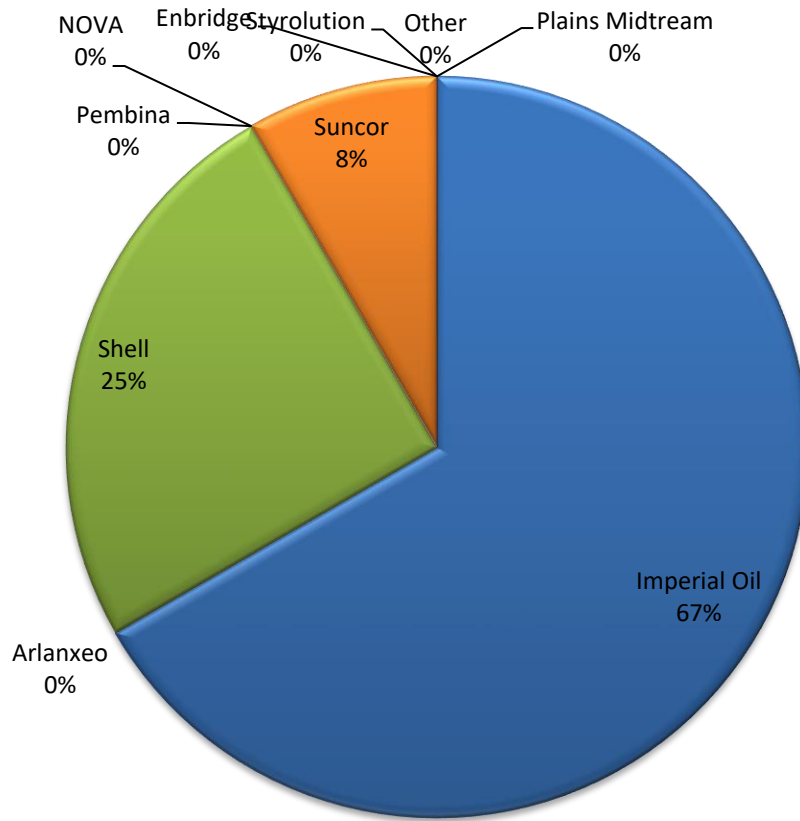




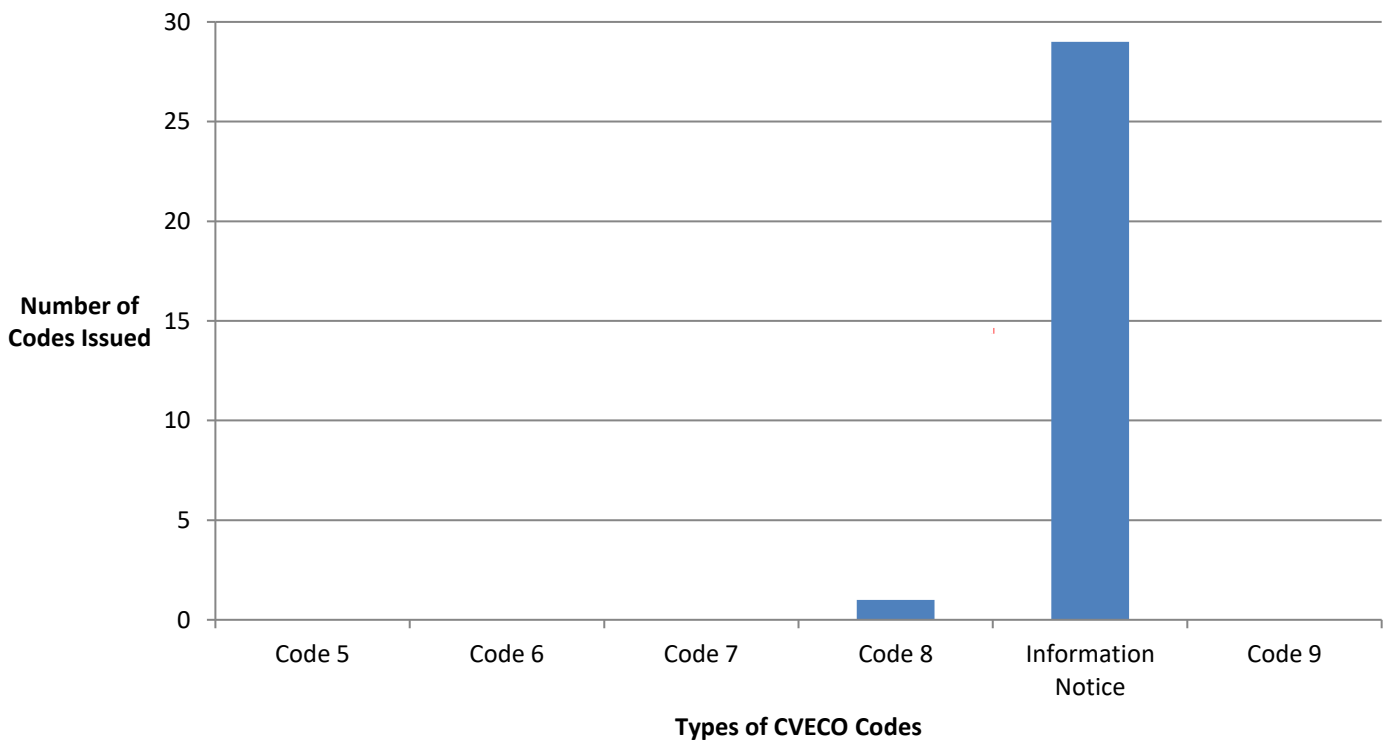
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## Proactive Notifications for the Month of December 2017



## CVECO Codes Issued - December 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)