

AAMJIWNAANG FIRST NATION

Notification Report

August 2018

Wilson Plain Jr. – Emergency Management Planner
September 4, 2018

Report of notifications received from local industries, CVECO, Ministry of the Environment, Conservation and Parks (MECP) including Spills Action Centre (SAC) and MyCNN notifications.

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Incidents/Notifications reported for the month of August 2018.

- 41 notifications were received
- No phone calls, no text messages, 11 emails and 30 CVECO notifications were received.
- No CVECO 'Codes' were issued. 30 CVECO 'Information Notices' were issued.
- 13 Aamjiwnaang Notifications were sent out (**ANS or FB**)

Ministry of the Environment and Climate Change (MOECC) Information/Update emails received: 9

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
Aug 1	8:32 am	9:06 am Aug 21	Imperial	CVECO Information	Imperial Oil is conducting a routine pipeline maintenance. intermittent ground flaring may be observed at the sun junction compound at the Dow curve in Vidal St and the Pembina main facility off highway 40 between Aug 1 to Aug 27		
Aug 1	12:53 pm		Imperial	Email	On Wednesday, Aug. 1, 2018 Imperial will begin inspection and preventative maintenance of a two-kilometer stretch of pipeline in Sarnia. Community members may notice the use of a temporary ground flare in the area near Sun Avenue and Vidal Street South and another flare at Pembina Main Facility on Hwy. 40. This will be used for a short duration (approximately two days) during the overall work period of approximately four weeks. We will make every effort to minimize any flaring, and precautionary air monitoring will be conducted. Imperial personnel expect to have the inspection and preventative maintenance completed by Aug. 27, 2018. For more information, please contact Kristina Zimmer at 519-339-4015 or email Kristina.Zimmer@esso.ca.		FB
Aug 5	8:42 pm		Suncor	MECP (SAC) Information Email>>>	MECP Reference Number: 1532-B3D279 Date/Time Incident Occurred: August 5, 2018 at 14:00 Date/Time Incident Reported to MECP: Aug 5, 2018 at 20:08 Company name (if known): Suncor Energy Inc. Location of Incident: 1900 River Road, Sarnia Company description of incident and actual/expected duration: Cooling water exceeded total chlorine residual limits of Ministry approval Company description of actual/expected adverse effect: Increased chlorine residual in cooling water Actions being taken by the facility to respond: company adjusted chemical rates and were back within limits after testing at 16:30. Agencies/Parties responding: Suncor		
Aug 5	9:44 pm		Suncor	Email from J. Johnson	I wanted to let you know that we have been in contact with the Ministry of the Environment's Spills Action Centre as we detected slightly elevated levels of total residual chlorine in our cooling system this afternoon. As part of our routine testing of the system, we found levels that were slightly above the regulated limit of .01 milligrams per litre. Chlorination helps control the growth of bacteria in our cooling system to help ensure the reliability of our equipment. We immediately reduced the amount of chlorine and re-testing a short time later showed that levels were back within the limit. We do not expect these levels would have posed any issues for recreational users of the St. Clair River. Please let me know if you have any questions.		

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Aug 7	11:08 am		Pembina	CVECO Information	Pembina Pipeline is issuing an information only for the month of August. Potential for high flaring on the east side of highway 40.		ANS
Aug 8	4:55 am		NOVA Moore	MECP (SAC) Information Email>>>	<p>MECP Reference Number: 5816-B3FBX5</p> <p>Date/Time Incident Occurred: 08/08/18 03:44</p> <p>Date/Time Incident Reported to MECP: 08/08/18 04:27</p> <p>Company name (if known): NOVA Chemicals</p> <p>Location of Incident: Mooretown Facility</p> <p>Company description of incident and actual/expected duration: Ethylene release for 37 seconds to atmosphere.</p> <p>Company description of actual/expected adverse effect: no adverse effects at this time.</p> <p>Actions being taken by the facility to respond: System is down, looking for cause of the downed unit.</p> <p>Agencies/Parties responding: n/a</p>		
Aug 8	9:47 am		NOVA St Clair	MECP (SAC) Information Email>>>	<p>MECP Reference Number: 2313-B3FHGY</p> <p>Date/Time Incident Occurred: 2018/08/08, 08:45</p> <p>Date/Time Incident Reported to MECP: 2018/08/08, 09:11</p> <p>Company name (if known): NOVA Chemicals Corp.</p> <p>Location of Incident: St. Clair River, Corunna</p> <p>Company description of incident and actual/expected duration: Release of small plastic pellets, now contained.</p> <p>Company description of actual/expected adverse effect: Small white plastic pellets floating on surface water.</p> <p>Actions being taken by the facility to respond: Clean-up and containment under way.</p> <p>Agencies/Parties responding: N/A</p>		FB
Aug 8	10:46 am		NOVA St Clair	Email from M. Lawrence	<p>Sharing that we are currently investigating the source of polyethylene pellets that were observed on the surface of the St. Clair River adjacent to NOVA Chemicals St. Clair River Site outfall, earlier this morning.</p> <p>Cleanup has been initiated, and a CVECO information only has been issued as we continue to investigate.</p> <p>There is no impact to drinking water.</p> <p>I'll follow up with you soon as more details emerge.</p>		
Aug 8	11:08 am	8:15 am Aug 9	NOVA St Clair	CVECO Information	NOVA SAINT CLAIR SITE LOCATED AT 285 ALBERT STREET IN CORUNNA IS ISSUING AN INFORMATION ONLY FOR A SMALL AMOUNT OF POLYETHYLENE PELLETS THAT HAS BEEN OBSERVED NEAR THEIR OUTLET FLOW FROM THE SAINT CLAIR RIVER SITE. CLEAN UP ACTIVITIES AND INVESTIGATION ARE IN PROGRESS.		
Aug 8	5:55 pm		NOVA St Clair	Email from M. Lawrence	<p>As a means of update on today's incident at our St. Clair River Site, our investigation is continuing but our current understanding of the event is that during this morning's heavy rainfall and thunderstorm, a small amount of polyethylene pellets left our site containment systems and were released into the St. Clair River.</p> <p>As per our regulatory requirements, we contacted the Ontario Ministry of the Environment and Climate Change's Spills Action Centre. We issued an information only notification to CVECO for polyethylene pellets observed near the St. Clair River Site outfall.</p> <p>The release was contained quickly and cleanup was initiated immediately. Cleanup efforts included booms, skimmers and the use of a vacuum truck. We also worked with a third-party contractor to observe and clean areas where pellets in the vicinity were found.</p> <p>The pellets released were food-grade plastic, opaque, and less than 1 cm in diameter. There was no impact to drinking water. We communicated information for community on the CAER Industry Update Line. We also communicated directly with the</p>		

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					<p>St. Clair Township Fire Department, municipality of Chatham-Kent, Aamjiwnaang First Nation, Walpole Island First Nation, and local area media.</p> <p>Cleanup efforts are nearing completion, yet our incident response management and investigation continues to further understand how to mitigate similar situations in the future.</p> <p>In collaboration with the Canadian Plastics Industry Association, NOVA Chemicals has been a long-standing partner in Operation Clean Sweep (OCS) since the early 1990s. Plastic pellets don't belong in the environment and this program helps us practice better pellet stewardship across our industry. The goal of OCS is to help resin pellet handlers implement systematic housekeeping and pellet containment practices to work towards achieving zero pellet loss. Throughout our involvement, the fundamental product stewardship and environmental principles of OSC have been fully adopted into our Responsible Care™ standards and procedures.</p> <p>As a founding member of Responsible Care®, NOVA Chemicals is deeply committed to the safety of our people, processes, communities and environment. Regulatory compliance, effective incident management and continuous improvement are key priorities.</p> <p>Should you have any questions, please don't hesitate to connect with me.</p>		
Aug 8	10:15 pm	5:40 pm Aug 12	CF Industries	CVECO Information	CF industries at 161 Bickford Line issuing an information for shutting down the nitric unit and performing maintenance. There may be a slight odour.		
Aug 9	9:26 am	9:26 am	NOVA Moore	CVECO Information	Nova Moore has issued a Code 8 and an all clear simultaneously for a fire alarm that was tripped accidentally		
Aug 9	10:08 am	4:20 pm Aug 10	NOVA Moore	CVECO Information	Nova Moore working on site alarm system. Public may see flashing lights and hear the site alarm		ANS
Aug 9	12:34 pm	5:39 pm Aug 12	CF Industries	CVECO Information	Information only issued for CF Industries - 181 Bickford Line, Sombra, for planned shutdown of the Urea Unit. Loud noise and slight odour may be experienced.		
Aug 10	8:35 am	2:53 pm Aug 10	Plains Midstream	CVECO Information	Plains Midstream at 1182 Plank Road issuing an information for possible odour due to maintenance activities.		
Aug 10	4:45 pm		Shell Canada	Email from B. Bird	<p>Wanted to give each of you a quick note going into the weekend:</p> <p>At the Chemical Plant (Located along La Salle Line) we will be performing planned maintenance on 2 vessels which will require trucks to come to site and load nitrogen. To accomplish this safely, the trailer must be vented while loading, resulting in a small plume over the loading area which maybe visible from La Salle while the trucks are being filled. The cloud is condensed water as a result of the cold temperature that the nitrogen is transported at and is part of the normal process for nitrogen loading. Nitrogen is used because it doesn't reacted with metals or other materials in the vessels and is naturally occurring in the atmosphere. We are expecting 4 deliveries in total occurring in the late afternoon/early evening on Monday (Aug 13) as well as the early morning on Tuesday (Aug 14). All safety precautions and standard regulatory protocols are being followed as this is a controlled process and no SAC or CVECO has been issued at this time as there is no loud noise or flaring associated with this process.</p> <p>If you have any concerns, please feel free to contact the site directly via the community hotline at 519-481-1245.</p>		

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Aug 16	8:39 am	4:03 pm	NOVA Chemicals	CVECO Information	Nova Corunna advised of Information as excessive flaring from the ground. Further to Nova Corunna's Information excessive flaring from the ground. flare at Pearson Compound, Churchill/Hwy 40. Portable flare being used for "pig" traps via pipeline		
Aug 16	2:33 pm	11:15 pm	Shell Canada	CVECO Information	Shell Canada has issued an information for number 3 boiler start up, possible loud noise		
Aug 16	3:05 pm		Shell Canada	MECP (SAC) Information Email>>>	MECP Reference Number: 2500-B3PNU5 Date/Time Incident Occurred: 13:45, Aug. 16, 2018 Date/Time Incident Reported to MECP: 13:45, Aug. 16, 2018 Company name (if known): Shell Canada Location of Incident: 150 St. Clair Parkway, Corunna Company description of incident and actual/expected duration: Start-up Company description of actual/expected adverse effect: No emissions anticipated Actions being taken by the facility to respond: N/A Agencies/Parties responding: N/A		
Aug 18	11:42 pm		CF Industries	CVECO Information	CF Industries at 161 Bickford Line, Courtright is starting up the urea unit. may experience loud noise and a slight odour.		
Aug 20	2:48 pm	3:09 pm	Imperial	CVECO Information	Information only issued for Imperial Oil - XJF 742, 602 Christina Street South, Sarnia, for a medical assist at the research building.		
Aug 21	10:20		Shell Canada	MECP (SAC) Information Email>>>	MECP Reference Number: 2415-B3UJ68 Date/Time Incident Occurred: 2018/08/21 09:30 Date/Time Incident Reported to MECP: 2018/08/21 09:45 Company name (if known): Shell Canada Energy Location of Incident: 150 St. Clair Pkway. Corunna. Company description of incident and actual/expected duration: Process shut down, duration unknown. Company description of actual/expected adverse effect: Increased flaring and noise. Actions being taken by the facility to respond: Notified MECP SAC and Sarnia District Office. Agencies/Parties responding: n/a		
Aug 21	10:23 am		Shell Canada	Email from B. Bird	At approx.9:30am this morning we had a unit upset that has resulted in flaring at the refinery. Site personnel are currently working to limited disruptions to our normal operations. There will be flaring over the next 12-24 hrs. with limited potential for noise as we are taking measures to limit the impacts to our neighbors. The byproduct associated with the flaring of hydrogen is mostly water as we work to bring he unit back on line. All safety precautions and standard regulatory protocols are being followed as this is a controlled flaring event as we work on the unit on site and will update SAC and CVECO as needed throughout the process. If you have any concerns, please feel free to contact the site directly via the community hotline at 519-481-1245.		FB
Aug 21	10:30 am	6:38 pm Aug 22	Shell Canada	CVECO Information	Shell information for unit upset possible higher flaring and noise		ANS
Aug 22	8:26 am	9:50 am	Imperial	CVECO Information	Imperial Oil advised of increased flaring due to unit upset.		
Aug 22	2:30 pm		NOVA St Clair	Email	Sharing that this afternoon we will be conducting tests on the flare system at St. Clair River Site. Intermittent		

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					periods of elevated flaring are expected. A message has been posted to the CAER Industry Update Line.		
Aug 23	3:47 am	3:52 pm	CF Industries	CVECO Information	Information only issued for CF Industries at 161 Bickford Line. Courtright nitrogen complex operating units are starting up. Venting and flaring are possible.		
Aug 23	11:40 am	1:05 pm	Imperial	CVECO Information	Imperial Oil is issuing an information only. High flaring for approximately one hour.		ANS
Aug 24	11:22 am		NOVA Corunna	MECP (SAC) Information Email>>>	<p>MECP Reference Number: 4717-B3XKEM Date/Time Incident Occurred: 2018 08 24 @ 10:45hrs Date/Time Incident Reported to MECP: 2018 08 24 10:50hrs Company name (if known): NOVA Chemicals Location of Incident: 785 Petrolia Line, Corunna, Sarnia Company description of incident and actual/expected duration: observation of brine water in discharge from excavation on site Company description of actual/expected adverse effect: some dead fish in Allingham Creek Actions being taken by the facility to respond: discharge pumps have been shut off, and crews are investigating to see if any off site impacts and source of brine leak Agencies/Parties responding: MECP Sarnia District Office has been notified and will be heading to site to assess.</p>		
Aug 24	1:13 pm		NOVA Corunna	Email from M. Lawrence	<p>Sharing that NOVA Chemicals is currently investigating an incident that took place at the construction site of our new polyethylene facility. The community may notice additional vehicle traffic in the area of our Corunna Site and the future Rokeby Site beginning Friday, August 24. Updates will be shared as additional information becomes available, regulatory notifications have taken place and a message for community has been posted to the CAER Industry Update Line.</p>		
Aug 24	3:08 pm	5:14 pm	Enbridge Pipelines	CVECO Information	Enbridge Pipelines is issuing an information only for routine maintenance at 1010 Plank Road, Sarnia, Ontario. There is a possibility of petroleum odours. Work is scheduled to conclude at 1900hrs on August 24/2018.		
Aug 24	5:08 pm		NOVA Corunna	Email from M. Lawrence	<p>Further to our email earlier today, sharing that NOVA Chemicals is currently investigating an incident that took place at the construction site of its new polyethylene facility in Corunna, Ontario. Our investigation is continuing but our current understanding of the event is that on the morning of Friday, August 24, we discovered that a pipeline had been struck by an excavator which resulted in brine being released to an onsite trench. No excavation work took place on August 24 so we believe that the strike occurred on August 23. Once identified, the brine pipeline was quickly isolated and the flow of brine to the trench was stopped. We contacted the Ontario Ministry of the Environment, Conservation and Parks' Spills Action Centre, the National Energy Board and the municipality. Information was also shared on the CAER Industry Update line because of increased vehicle traffic in and around the Corunna Site and construction site. We also communicated with St. Clair Township Fire Department, Aamjiwnaang First Nation Safety and Emergency Response and Environment Canada. Water quality sampling is ongoing and remediation is underway to remove the brine from the trench via vacuum truck. The scope of the environmental impact is being investigated but we are unaware of any offsite impact at this time.</p>		

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					<p>There were no injuries associated with the event. Our incident response management and investigation continues so that we can further understand how to prevent and mitigate similar situations in the future. As a founding member of Responsible Care®, NOVA Chemicals is deeply committed to the safety of our employees, contractors, neighbours and communities in which we live and operate. Regulatory compliance, effective incident management and continuous improvement are key priorities.</p>		
Aug 25	12:09 pm	1:36 pm	Imperial	CVECO Information	Imperial Oil advised of High Flaring due to unit upset		
Aug 27	7:55 am		Shell Canada	MECP (SAC) Information Email>>>	<p>MECP Reference Number: 6568-B42FR6 Date/Time Incident Occurred: 2018 08 27 @ 08:00hrs Date/Time Incident Reported to MECP: 2018 08 27 07:42hrs Company name (if known): Shell Canada - Lambton Facility Location of Incident: 150 St Clair Parkway, Corunna Company description of incident and actual/expected duration: Planned maintenance of BTX Unit and estimates 2-week event Company description of actual/expected adverse effect: possible flaring and noise Actions being taken by the facility to respond: CVECO Info Bulletin issued by facility Agencies/Parties responding:</p>		ANS
Aug 27	7:59 am	6:44 am Aug 29	Shell Canada	CVECO Information	SHELL XJF737 HAS UNIT START UP WITH FLARING AND LOUD NOISE		ANS
Aug 28	8:21 am	4:27 pm	Enbridge Pipelines	CVECO Information	Enbridge conducting planned maintenance at it's Suncor Metering facility at 350 Lasalle Line. Potential for petroleum odours.		
Aug 28	4:00 pm	6:41 am Aug 29	Shell Canada	CVECO Information	Shell Canada is issuing an information only. Power failure at the chemical plant.		ANS
Aug 28	4:06 pm		Shell Canada	MECP (SAC) Information Email>>>	<p>MECP Reference Number: 5880-B43R8X Date/Time Incident Occurred: 2018/08/28- 15:30 Date/Time Incident Reported to MECP: 2018/08/28- 16:00 Company name (if known): Shell Canada Location of Incident: 150 St. Clair Parkway, Corunna Company description of incident and actual/expected duration: Power loss due to electrical failure, process upset. Company description of actual/expected adverse effect: No adverse impacts, no release of emissions, no increased flaring. Actions being taken by the facility to respond: Investigation ongoing, further updates. Agencies/Parties responding: N/A</p>		FB
Aug 29	???	5:03 am	INEOS Styrolution	CVECO Information	All clear issued for INEOS Styrolution unit upset and flaring.		
Aug 29	4:43 pm	1:28 pm Sept 2	Plains Midstream	CVECO Information	Plains Midstream at 1182 Plank Rd has a unit start-up-Maintenance activities-Potential for flaring, noise and offsite odours.		
Aug 29	7:55 pm	3:31 am Aug 30	CF Industries	CVECO Information	Information only issued by CF Industries - CYA389, 161 Bickford Line, Sombra, for a planned shutdown of their nitric acid unit. There is a possibility of a slight odour or loud noise.		
Aug 29	10:52 pm		Shell Canada	MECP (SAC) Information Email>>>	<p>MECP Reference Number: 1335-B454KD Date/Time Incident Occurred: 08/29/2018 - 20:00 Date/Time Incident Reported to MECP: 08/29/2018 - 22:10 Company name (if known): Shell Canada Location of Incident: 150 St. Clair Parkway</p>		

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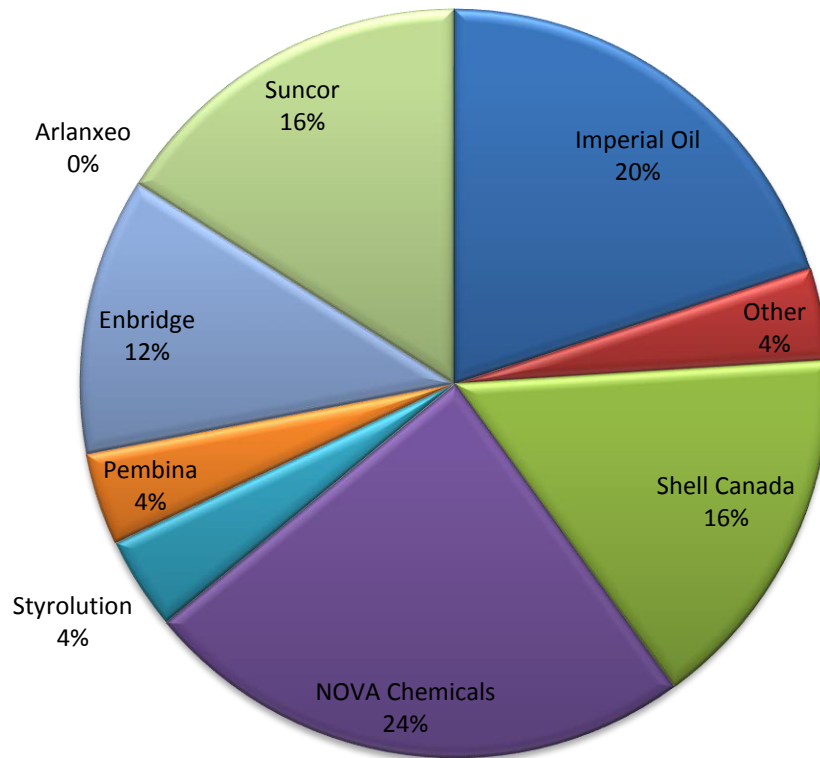
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					<p>Company description of incident and actual/expected duration: Shell is discharging effluent water from a diversion pond to Telfer Creek.</p> <p>Company description of actual/expected adverse effect: No adverse impacts expected at this time.</p> <p>Actions being taken by the facility to respond: Sampling of effluent discharge</p> <p>Agencies/Parties responding: None at this time</p>		
Aug 30			Shell Canada	Email from B. Bird	<p>As a result of a faulty transformer that resulted in the power outage at part of the Chemical Plant on August 28th we have been able to isolate the unit and bring part of the Chem. back into service. Over the next 5-7 days we will be venting excess steam until all units are back up and running at optimum levels again.</p> <p>Noise levels will vary as a result of the access steam being produced as site personnel work to limited disruptions to our normal operations. All safety precautions and standard regulatory protocols are being followed as this is a controlled event as we work on the unit and reinstall the electrical transformer.</p> <p>SAC and CVECO will be updated as needed throughout the process.</p> <p>If you have any concerns please feel free to contact the site directly via the community hotline at 519-481-1245.</p>		FB
Aug 30	8:47 pm	12:44 am Aug 31	CF Industries	CVECO Information	CF Industries Nitrogen Complex unit is starting up. There may be venting and flaring during this time.		
Aug 31	1:11 pm		Suncor	Email from J. Johnson	<p>Sorry for the short notice, but I wanted to give you the heads up that there will be drone capturing footage of the St. Clair River in the vicinity of our docks this afternoon. This is scheduled to begin at approximately 2pm and last for about 30 minutes.</p> <p>The footage is intended to support efforts by Bio-industrial Innovation Canada in showcasing Sarnia-Lambton as a prime location for bio-industrial companies. We have worked with the drone operator/film crew to ensure the footage is gathered safely and is respectful of privacy concerns.</p> <p>I wanted to you be aware in case you received questions from community members.</p>		

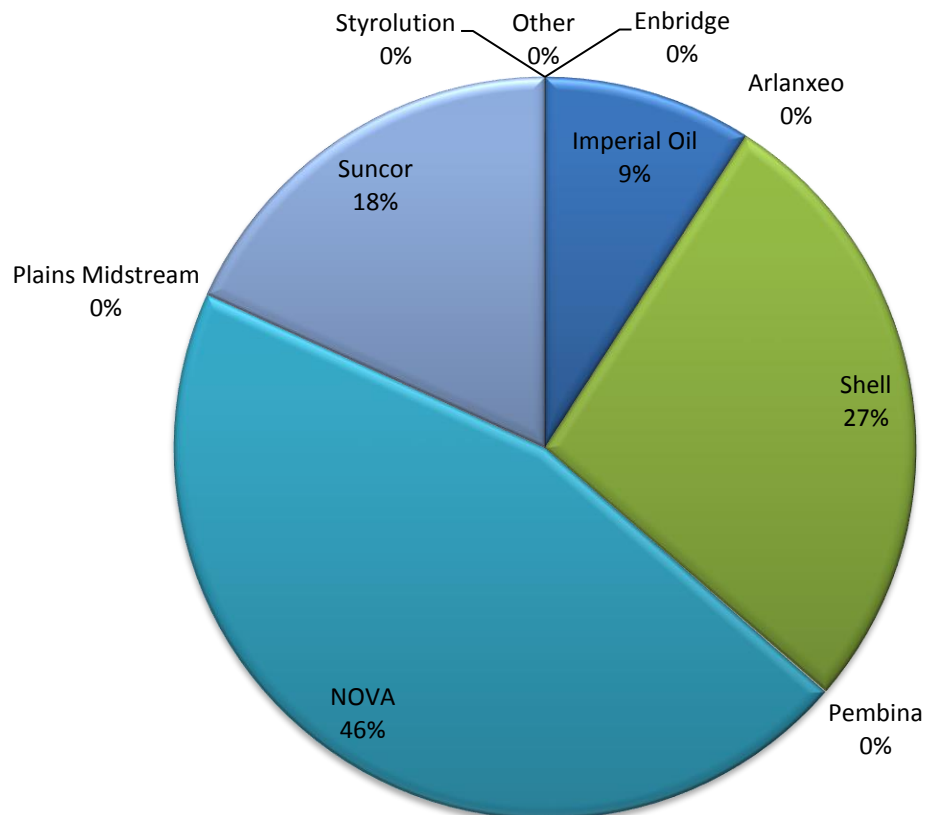
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Incident Notifications for the Month of August 2018

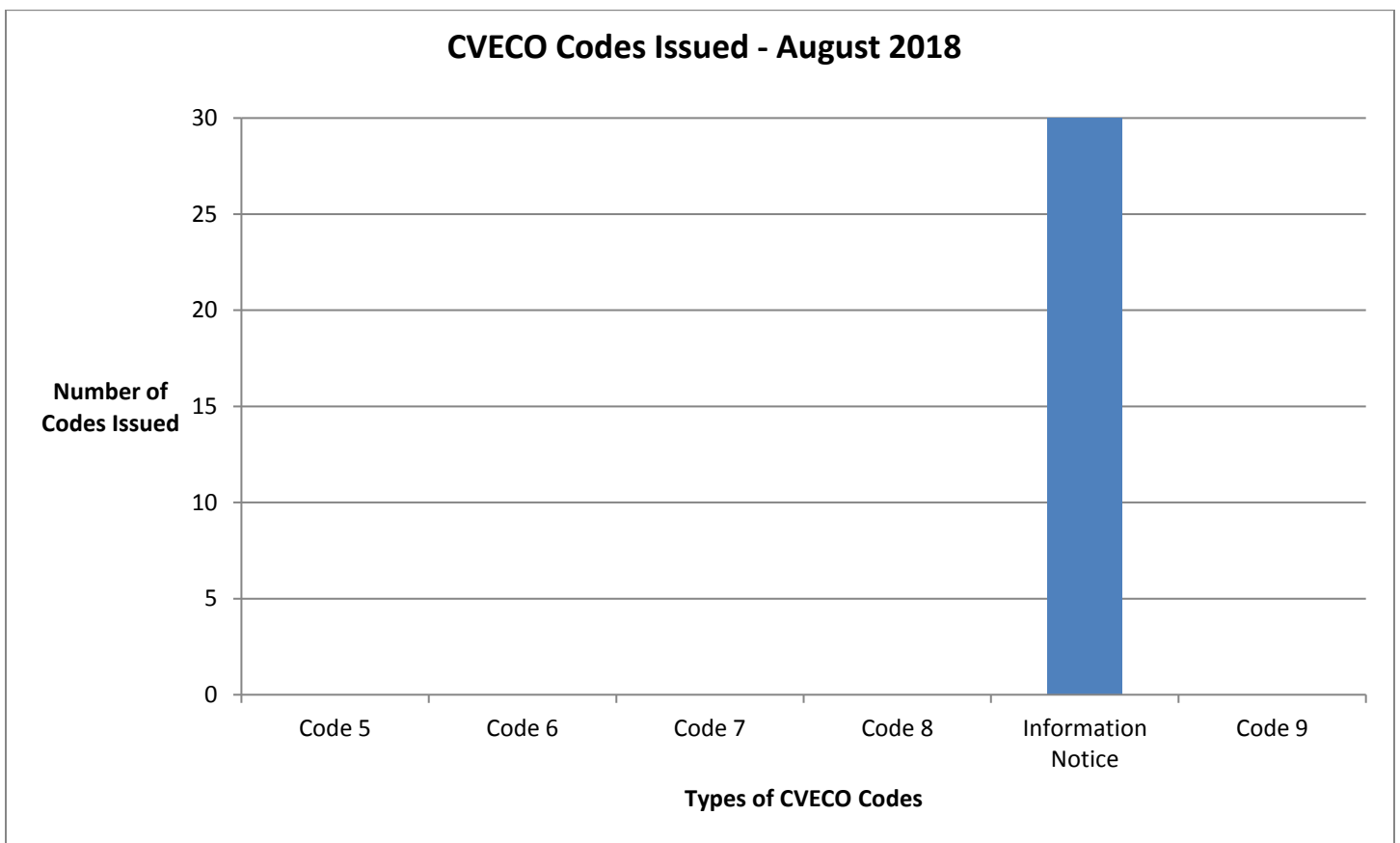


Proactive Notifications for the Month of August 2018



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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)