AAMJIWNAANG FIRST NATION

Notification Report

January 2016

Wilson Plain Jr. – Emergency Management Planner February 1, 2016

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

January 2016

Wilson Plain Jr. – Emergency Management Planner

Emergencies or Incidents reported for the month of January, 2016.

- > 43 notifications were received
- > 0 phone calls, 0 text messages, 21 emails and 22 "MyCNN" notifications were received
- > A total of 8 CVECO Codes were issued. 14 CVECO Information Notices were issued.
- > 17 Information emails were received from MOECC regarding incidents
- > 8 Aamjiwnaang Notifications were sent out

<u>Community Inquiries:</u> No phone calls were received from community members regarding incidents near Aamjiwnaang.

Date	Time of Issue	Time of All Clear?	Company	Type of Notice	Description Received	ANS or FB ?
Jan 1	5:01 am		Shell	CVECO Information Notice MOECC Information Email >>>	An Information has been issued for Shell Canada at 150 St Clair Parkway. Information only for wells alarm horn and lights flashing. Fault alarm at the wells. MOECC Reference Number: 2421-ASUDGW Date and Time: January 4 2016 - 03:58 Company Name (if known) and Location of Incident: Shell Canada - 150 St Clair Parkway What has occurred? Alarms malfunctioned at 03:58 What Action is being taken? Shell is working on stopping the alarms Other agencies involved (if known): No Updates Expected: No	
Jan 4	4:10 pm	2:52 pm Jan 7	Shell	MOECC Information Email >>>	MOECC Reference Number: 3033-A5USCK Date and Time: 04/01/2016 Company Name (if known) and Location of Incident: Shell Canada-150 St. Clair Parkway What has occurred? Due to mechanical issues there will be a larger than normal flare for the next three days as a unit is taken down for repairs. What Action is being taken? MOECC will monitor over the next few days. Other agencies involved (if known):	FB

January 2016

				Shell Email >>>	N/A Updates Expected: Yes- Contact the Local Sarnia DO. Shell has notified the Ministry of Environment about a planned shutdown this afternoon (Monday, Jan 4) of a process unit at the refinery. The shutdown will allow for repairs to be made to our equipment. As a result, higher than normal flaring is expected over the next 72 hours and there may be noise heard offsite. We will keep the CAER line updated at 1-855-45ARNIA (472-7642). I can be reached directly at 519-330-4723. Thank you, Kristina Zimmer Shell Sarnia Manufacturing Centre	
				CVECO Information Notice	An Information has been issued for XJF737 Shell at 150 Saint Clair Parkway for high flare and loud noise due to unit shut down at the isomacs.	
Jan 4	5:18 pm	5:45 am Jan 5	Imperial Oil	CVECO Information Notice	An Information has been issued for XJF742 at Imperial Oil. High flare due to unit upset.	
Jan 7	8:23 am		Shell	MOECC Information Email >>>	Update Information E-Mail – Shell Canada - Large Flare For Next Three Days - January 6, 2016 MOECC Reference Number: 3033-A5USCK Date and Time Incident Occurred: January 4, 2016 Date and Time Incident Reported to MOECC: January 4, 2016 @ 3:45 pm. Company Name (if known) and Location of Incident: Shell Canada-150 St. Clair Parkway What has occurred? Shell contacted the Spills Action Centre on January 4, 2016 to report mechanical issues with the start- up of a unit. The unit was subsequently shut down and Shell reported there would be a larger than normal flare for the next three days while they completed the repairs. Shell reported that the unit was repaired on January 6, 2016 and they would begin the start-up of the unit. The company expects that flaring will continue during the start-up for the next 24 hours. What Action is being taken? The company shut down the unit to complete equipment repairs. The company subsequently completed the repairs and has begun the start-up of the unit. Other agencies involved (if known): No other agencies are involved. Updates Expected: No further updates are expected.	FB

January 2016

Jan 7	1:59 pm	1:12 am Jan 10	Shell	CVECO Information Notice MOECC Information Email >>>	An Information has been issued for Shell Canada at 150 Saint Clair Parkway. Unplanned Unit shut down. Possible high flare and loud noise. MOECC Reference Number: 2663- ASXPVV Date and Time: January 6, 2016, @ 13:30 PM Company Name (If known) and Location of Incident: Shell Canada, 150 St.Clair Parkway, Corunna, County of Lambton What has occurred? Above normal flare due to shut down What Action is being taken? CVECO Notification issued Other agencies involved (If known): N/A Updates Expected: Yes- Contact the Local Sarnia DO.	ANS FB
Jan 7	11:54 pm	12:04 am Jan 8	NOVA St. Clair	CVECO Information Notice	An Information has been issued for nova saint clair at 285 albert street corunna for false alarm on site.	
Jan 10	4 :10 pm		Imperial Oil	MOECC Information Email >>>	MOECC Reference Number: 6682-A62RSG Date and Time: 2016/01/10 at 15:05 2016/01/10 at 15:16 Company Name (if known) and Location of Incident: Imperial Oil at 602 Christina St. South, Sarnia What has occurred? 3 minute plume of sulfurous gases What Action is being taken? Notifications made - no EO attending site Other agencies involved (if known): Environment Canada Updates Expected: no	FB
Jan 10	5:00 pm	1:26 pm Jan 11	Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil at 602 Christina street South. High flaring due to unit start up.	
Jan 11	2:01 pm		NOVA St Clair	CVCEO Code 8	Code 8 was issued for Nova Saint Clair at 285 Albert Street. Issued for site alarm sounded.	
Jan 12	5:22 am		NOVA St Clair	CVECO Code 8	Code 8 was issued for Nova St Clair VCZ562 for an alarm sounding. Before	

January 2016

				page could be sent out, they issued an all clear. False Alarm.	
			CVECO Information Notice	An Information has been issued for Shell Canada at 150 Saint Clair Parkway. Unit shut down at Isomax.	
Jan 12	11:51 pm	Shell	MOECC Information Email >>>	MOECC Reference Number: 0265-A657LD Date and Time: 13/01/2016 @ 0100h Company Name (if known) and Location of Incident: Shell Canada- 150 St. Clair Pky Corunna What has occurred? A unit is being taken down for repairs therefore a larger than normal flare will be present. What Action is being taken? The company will monitor and will update SAC MOECC with any issues as well as when the unit is back online and the flare is back to normal. Other agencies involved (if known): n/a Updates Expected: Yes. Refer to the District Office for more details.	
Jan 13	11:29 am	Unknown	MOECC Information Email >>>	MOECC Reference Number: 5786-A65LUB Date and Time: DATE & TIME OF INCIDENT - 2016/01/13 at 10:55 DATE & TIME INCIDENT REPORTED TO MOECC - 2016/01/13 at 11:03 Company Name (if known) and Location of Incident: Intersection of South Vidal St and St.Andrew St. What has occurred? Citizen filed odour complaint when driving by. What Action is being taken? Local DO notified Other agencies involved (if known): Updates Expected: No	
Jan 14	6:08 am	CN	CVECO Code 5	Code 5 was issued by CN police for isobutane vapor leak at 431 russel st. Dangerous goods has been advised. MOECC Reference Number: 1373-A66GC7 Date and Time: January 14 2016, 06:10	ANS
			Information Email >>>	Company Name (if known) and Location of Incident: CN Rail, 431 Russell St, Sarnia What has occurred?	

January 2016

				CVECO	Leak of isobutane air from a leaking valve on a rail car from 06:10 to 07:25 What Action is being taken? Leaking valve tightened and the spill has been stopped. Area made safe at 07:25 Other agencies involved (if known): Sarnia FD/PD Updates Expected: No Code 8 was issued for XJF737 Shell Canada,	
Jan 14	9:10 am	8:19 am Jan 15	Shell	Code 8 Email from Shell >>> MOECC Information Email >>>	This morning Shell personnel detected a sheen on Talfourd Creek. Boom was immediately deployed and vacuum trucks are on site this morning to recover all hydrocarbon. There is no sign of the sheen reaching the creek's outfall near the St. Clair River. A CVECO code 8 was issued and all regulatory agencies have been notified. Kristina Zimmer MOECC Reference Number: 1214-A66JAM Date and Time: 2016/01/14 @ 8:15 2016/01/14 @ 8:52 Company Name (if known) and Location of Incident: Shell Sarnia - 150 St. Clair Pky, St. Clair, Township What has occurred? Oily sheen found on Talfur Creek What Action is being taken? Sarnia DO notified and will be heading to site Other agencies involved (if known): N/A Updates Expected: YES	ANS
Jan 15	8:04 am	3:31 pm	Enbridge	CVECO Information Notice	An Information has been issued for Enbridge Pipelines at Lasalle Road and Highway 40 with the potential for petroleum odors.	ANS
Jan 15	1:32 pm		Imperial Oil	MOECC Information Email	Update Information E-mail – Imperial Oil Unit Shut down MOECC Reference Number: 6682-A62RSG Date and Time Incident Occurred: January 10, 2016 @ 3:05 pm Date and Time Incident Reported to MOECC: January 10, 2016 @ 3:16 pm Company Name (if known) and Location of Incident:	FB

January 2016

				Imperial Oil at 602 Christina St. South, Sarnia What has occurred? The ministry's Spills Action Centre received a call	
				from Imperial Oil to report an unplanned shut down of a unit. The company reported sulphur dioxide emissions occurred until the unit was restarted at	
				approximately 6:47 pm. Neither the ministry nor the company received any complaints during the incident. Ministry staff discussed the incident with the company on January 11, 2016, and are gathering more details on the incident, including the cause of the unplanned shut down and the results of air modelling. What Action is being taken? The ministry's Spills Action Centre notified Aamjiwnaang First Nation, Environment Canada, Health Canada, and the Lambton Health Unit. The company repaired and restarted the unit. Other agencies involved (if known):	
				The ministry contacted the Lambton Health Unit, Environment Canada and Health Canada. Updates Expected:	
Jan 15	5:02 pm	Shell	MOECC Information Email >>>	Update Information E-Mail — Oily Sheen on Talfourd Creek MOECC Reference Number: 1214-A66JAM Date and Time Incident Occurred: January 14, 2016 @ 8:15 am Date and Time Incident Reported to MOECC: January 14, 2016 @ 8:52 am Company Name (if known) and Location of Incident: Shell Sarnia - 150 St. Clair Parkway, Corunna What has occurred? Shell Canada contacted the ministry's Spills Action Centre to report an oily sheen near their outfall on Talfourd Creek. The company confirmed that the sheen did not move beyond their permanent booms in Talfourd Creek and did not reach the St. Clair River. Ministry staff confirmed there was no sheen beyond the company's permanent booms and the discharge from the outfall had been stopped. What Action is being taken? The ministry's Spills Action Centre contacted the ministry's Sarnia District Office and an Environmental Officer inspected the area at approximately 10:20 am on January 14, 2016. At the time of the inspection, there was no discharge from the company's outfall. The officer did observe a sheen in Talfourd Creek beyond the first of two permanent booms near the company's outfall and also observed temporary booms deployed by the company near the St. Clair River as a	FB

January 2016

				precaution. The company informed the ministry that the outfall water was diverted into their containment pond on their site and the sheen was removed from Talfourd Creek with a vacuum truck. As a precautionary measure, the Spills Action Centre contacted area water treatment plants, including Walpole Island First Nation, Wallaceburg and the Lambton Area Water Supply. Notifications were also made to Aamjiwnaang First Nation, Health Canada, Environment Canada, Michigan State Police, Michigan Department of Environmental Quality, private water users, the Health Units of Chatham-Kent and Lambton, St. Clair Township and City of Sarnia Police. The company sampled Talfourd Creek upstream and downstream of their outfall. The samples are being analyzed and will be shared with the ministry. The company is reviewing the incident and will be providing additional details to the ministry on the cause for the discharge of the sheen and preventive measures. Other agencies involved (if known):	
				No other agencies directly involved. Updates Expected: No further updates expected.	
Jan 15	5:05 pm	Unkno	MOECC Information Email >>>	Update Information E-mail — Odour Complaint near Vidal St. S. and Andrew MOECC Reference Number: 5786-A65LUB Date & Time Incident Occurred: January 13, 2016 @ 10:55 am Date & Time Incident Reported to MOECC: January 13, 2016 @ 11:03 am Company Name (if known) and Location of Incident: Intersection of South Vidal St. and St. Andrew St. in Sarnia. What has occurred? A member of the public called the Spills Action Centre to report a strong kerosene odour while driving through the intersection of Vidal St. South and Andrew St. in Sarnia. The winds were from the west and southwest and ministry staff observed that the wind direction was shifting at the time of the complaint. What Action is being taken? The ministry's Spills Action Centre notified the ministry's Sarnia District Office at approximately 11:08 am and an Environmental Officer initiated a field response. The area where the odour was reported to have been detected was checked at approximately 11:30 am. The officer noted intermittent natural gas odours. The officer contacted a nearby industrial facility to determine if there were any issues or activities that could be causing the odours. The company checked their	FB

January 2016

					operations and checked for odours at their property. The company also noted a natural gas odour in the area. They reported no unusual equipment issues or activities that would cause this odour. The officer contacted Union Gas regarding the odours. The Union Gas representative noted that there were several calls of natural gas odours from the same area. A Union Gas representative was dispatched to inspect the area. The ministry could not confirm the source of the odour. Other agencies involved (if known): No other agencies involved. Updates Expected: No further updates.	
Jan 17	12:19 pm		NOVA Moore	MOECC Information Email >>>	MOECC Reference Number: 0187-A69MMQ Date and Time: 2016/01/17 @ 08:25 Company Name (if known) and Location of Incident: Nova Chemicals - 510 Moore Line St Clair Township What has occurred? Nova Chemicals reports a 1 minute 25 second release of ethylene. Release was due to a transmitter failure causing a valve to open. No complaints received. Issue resolved. No quantity information available at this time. What Action is being taken? Issue resolved. Other agencies involved (if known): None Updates Expected: No	FB
Jan 20	7 :57 am	5:12 pm	Enbridge	CVECO Information Notice	An Information has been issued for Enbridge at 1010 Plank and 225 Lasalle. Routine maintenance with potential for petroleum odors. Work is scheduled to commence at 0800 today.	ANS
Jan 20	10:28 pm	6:05 am Jan 21	CN	CVECO Code 8	Code 8 was issued for CN Rail at 431 Russell street south.	
Jan 21	8:26 am	3:44 am Jan 23	Shell	CVECO Information Notice	An Information has been issued for shell at 150 st clair parkway. second stage start up isomax	
Jan 21	8:27 am	4:53 pm	Enbridge	CVECO Information Notice	An Information has been issued for Enbridge	
Jan 21	9:48 am	11:27 am	CN	CVECO Code 8	Code 8 was issued for cn rail at 284 st Andrew st. 2 railcars derailed. No leaks, no exposure.	ANS

January 2016

Jan 22	10:42 am	Shell	MOECC Information Email >>>	Update Information E-Mail – Shell Canada – Larger than Normal Flare January 22, 2016 MOECC Reference Number: 0265-A657LD Date and Time Incident Occurred: Correction from original notification - January 12, 2016 Date and Time Incident Reported to MOECC: January 12, 2016 at 11:45 pm Company Name (if known) and Location of Incident: Shell Canada- 150 St. Clair Pky., Corunna What has occurred? The company called the Ministry's Spills Action Centre on January 12, 2016 to report malfunctioning equipment within a unit and reported that larger than normal flaring would occur. The company confirmed that the flare was mainly burning hydrogen gas. What Action is being taken? The company shut down the unit for repairs. The company reported to the ministry on January 22, 2016 at 3:18 am that the equipment was repaired and the unit would be starting up on January 22, 2016. The flaring was expected to decrease throughout the day. Other agencies involved (if known): No other agencies involved. Updates Expected: No further updates expected.	FB
Jan 23	9:12 am	Lanxess	Email	Please be advised that the emergency sirens at the LANXESS Butyl Unit located north of Highway 40 have been upgraded to improve the audibility of the alarms. This will provide improvements for the safety of the employees at LANXESS as well as improve the safety of our surrounding neighbours in the unlikely event of an emergency. The first test of these sirens will occur at 12:30 on Monday January 25th, 2016 to coincide with the testing of emergency sirens in Chemical Valley. These sirens are expected to have a higher decibel level and a different tone than the previous sirens used in the Butyl Unit so our neighbours may notice a change in sound during that test. We have contacted Blackburn News as well to inform them in the event that anyone in the public contacts them regarding the change.	

January 2016

Jan 25	2:38 pm	3:19 am	Suncor	MOECC Information Email >>> CVECO Information Notice >>>	Please communicate this change to those interested parties who need this information. We will also be communicating via the CAER hotline on Monday. If you have any further questions or concerns, please feel free to contact me. Take Care, Tim Knapp MOECC Reference Number: 8127-6HQNS Date and Time: Jan 25th at 1415 Company Name (if known) and Location of Incident: Suncor Refinery located at 1900 River Rd, Sarnia What has occurred? Accidental release of elevated SO2 What Action is being taken? CVECO Code 8 is being issued and they are trying to start up operations again. Other agencies involved (if known): Sarnia DO Updates Expected: No An Information has been issued for XJF738 Suncor at 1900 Saint Clair Parkway. Unit upset in the Sulphur Train resulting in the possibility of increased flaring and noise. Further to the CVECO notification shared earlier, at approximately 3 pm, the Suncor Sarnia refinery experienced a temporary disruption. As a result, there may be an increase in visible flaring as unit start-up activities continue. We have provided notification to the Ministry of the Environment and Climate change. Air monitoring has not indicated any impact on air quality. Let me know if you have any questions, Jennifer Johnson Senior Advisor, Communications & Stakeholder Relations Refining and Marketing Suncor Energy, Sarnia Refinery	FB
Jan 25	3:15 pm		NOVA St. Clair	CVECO Code 8	Code 8 was issued for VCZ562 Nova Saint Clair at 285 Albert Street Mooretown. Code 8 was false alarm on their site alarm and was cleared the same time it was issued.	

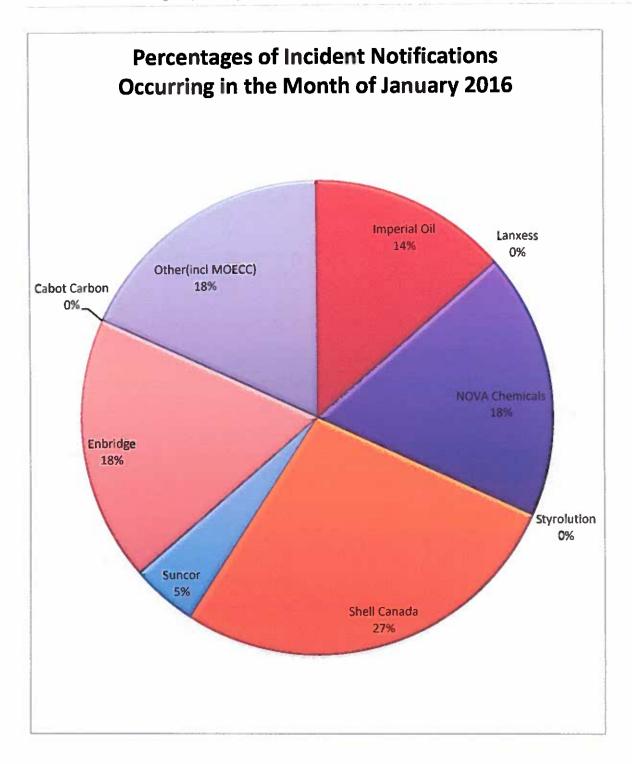
January 2016

Jan 26	8:55 am	3:37 pm	Enbridge	CVECO Information Notice	An Information has been issued for Enbridge Pipeline VCO420 at 1010 plank road. Routine maintenance with potential for odors.	ANS
Jan 26	6:06 pm		Suncor (Update)	MOECC Information Email >>>	Update Information E-mail – Suncor Refinery – Unit Shut-Down and Increased Flaring - January 26, 2016 MOECC Reference Number: 8127-A6HQNS Date and Time Incident Occurred: January 25, 2016 at 14:15 Date and Time Reported to MOECC: January 25, 2016 at 14:19 Company Name (if known) and Location of Incident: Suncor Refinery -1900 River Rd, Sarnia What has occurred? The company called the Ministry's Spills Action Centre on January 25, 2016 to report a unit shutdown which would result in increased flaring. What Action is being taken? The company informed the ministry's Spills Action Centre that they had issued a CVECO Code 8 as a notification to CVECO members that they were going to be experiencing increased flaring in response to an unplanned unit shut-down. The company advised that it was in the process of starting up operations again. Staff from the ministry's Sarnia District Office inspected the area at approximately 3:25 pm on January 25, 2016. At the time of the inspection, there were no sulphur odours detected surrounding the site. At the time of the event, winds were blowing from the south, in the direction of an industrial area. Ministry staff checked upwind and downwind ambient air quality monitoring stations and all readings were below the ministry's air standards for sulphur dioxide. The air monitoring station located on Aamjiwnaang First Nation also	FB

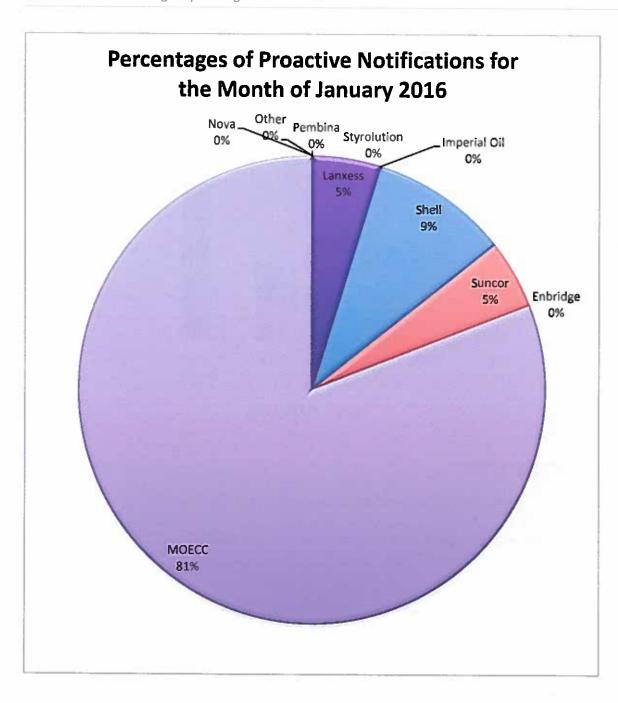
January 2016

					showed readings below the air standard for sulphur dioxide.	
					The company informed the ministry that	
					their perimeter air monitors did not detect anything abnormal.	
		A A was a distribution of			Suncor will be submitting a written report to the ministry that includes air modeling information, actions taken to minimize environmental impacts during the event, and preventive measures. Whether there is a need for additional actions will be determined after submission of the report. The company reported to the ministry on January 26, 2016 at 3:10 am that normal operations had resumed.	
					Other agencies involved (if known):	
					No other agencies involved at this time. Updates Expected:	
					No further updates.	
Jan 29	4:31 pm	4 :40 pm	Imperial Oil	CVECO Information Notice	An Information has been issued for Imperial Oil at 602 Christina street south. Preparing equipment for an outage.	
				CVECO Code 8	Code 8 was issued for CN Rail at 431 Russell street South. Train tanker on site has hydrochloric acid bubbling out of the top.	
Jan 31	6:47 pm	10:3 2 pm	CN Rail	MOECC Information Email >>>	MOECC Reference Number: 0210-A6PVZE Date and Time: January 31st at 1840 Company Name (if known) and Location of Incident: CN Railyard at 431 Russell St. South, Sarnia What has occurred? Spill of hydrochloric acid to atmosphere from top of rail car tanker.	FB
					What Action is being taken? CVECO was called. The spill was secured by 2200 and the rail car was taken to another area for cleanup. Clean up contractor is onsite cleaning the tanker. Other agencies involved (if known): Environment Canada Updates Expected: NO	

January 2016

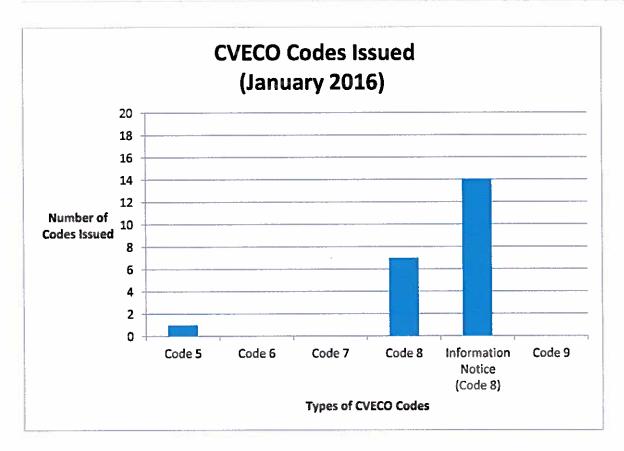


January 2016



January 2016

Wilson Plain Jr. – Emergency Management Planner



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.