

Appendix F-2

Mock scenario report



AGNICO EAGLE

On August 4, 2018 the AEM Environment Department conducted a mock spill event at the Itivia refueling station/tank farm with AEM emergency response (ERT) members, Orbit Garant Environmental/health and safety AEM warehouse staff, AEM Site Service/HTO vice president and AEM community relations personnel., Spill Training contractor, Nunatta Environmental was on site to assist and provide advice/training, The Rankin Inlet Fire Chief also attended the event as an observer.

An AEM ENV Tech documented the spill response actions and acted as the “Control Room” responder, Rankin Inlet dispatch and the ENV Tech/ENV Coordinator on site.

The mock scenario involved a broken fuel line fitting at the onshore receiving manifold during refueling (from offshore ship) of the fuel storage tanks at Itivia.

14:12 – Spill occurs (4000 L of leaking fuel towards the shoreline) Dave Loder spotted fuel leaking from the broken fitting/line



14:13 – ERT responder calls the vessel to stop transfer of fuel ASAP and relays the message of a leaking fitting to the Captain.

14:18 - Confirmation from the Captain that the transfer has stopped. During that time, AEM Site Service blocked the access to the area and called “CODE 1” to Rankin Inlet dispatch and requested to have environmental personnel contact ERT responder on the radio.

14:19- ERT responder asks ENV Coordinator to contact the coast guard

14:20 – ERT responder requested heavy equipment from construction/site services to dig a trench (no operators in area)

14:25 – Fire Marshall from Rankin Inlet arrived (did not participate but was ready with staff if assistance needed assistance)

14:25- AEM Warehouse staff from Itivia and started deploying booms along coast from emergency sea-can/ ERT responder supported.

14:38- Additional AEM Environment Dep't staff were travelling on the road to Meliadine site when the "CODE 1" was called (came to Itivia to provide support) and helped deploy absorbent booms and rags as ERT responder instructed.

15:50 – full ERT team arrived for assistance- First ERT responder (Commander) instructed immediate deployment of marine curtain (water was too rough 80 km/hr winds- did not want to put anyone's safety at risk; deployed on shore)



16:00 – More absorbent booms are placed in front of the marine barrier to collect spill and prevent it from going under marine barrier- no operators present for heavy equipment; ERT and environment staff attempted to make a trench – did not succeed due to bed rock



16:04 – Absorbent padding was placed on top of spill where visible product was observed behind marine barrier (wind blowing toward shore)





17:25 – ERT, ENV and Agnico staff declare the spill has been contained and absorbed; called off the “CODE 1” and spill report prepared with follow up investigation of event.

Summary:

Nunatta - guided and assisted AEM staff (total 14 on site) to implement the correct procedures and equipment handling to successfully participate in the mock spill training event (fuel leak/water); the ERT commander did a great job of delegating responsibilities with everyone; all communication was satisfactory during the event. Heavy equipment (excavator) would be required as the area is underlain by bedrock – shovels and picks were not effective to dig a collection trench. It took 23 minutes for the spill to go from the pipe connection to the marine barrier- it would in a realistic scenario take ERT a minimum of 1 hour (It took 1.5hr) to get from Meliadine to Rankin Inlet (includes time to prepare) and Environment Dep’t staff members could mobilize within 50 minutes. In order to provide additional line of defense to capture fugitive oil/fuel spills the overburden on the inter-tidal zone should be removed so that loose absorbent can be spread. Nunatta advised that we contact Department of Fisheries and Oceans and ask if we can remove some rock along the beach in case of an emergency (this is fish habitat). A collection trench or sump would reduce the speed of any spill.

AEM and Nunatta Comments/Recommendations

- Buoys that can be attached to the maritime barrier or the fuel line were not blown up- these should be blown up prior to refueling season
- Sea-cans that contain Emergency environmental spill response should be placed together (one is placed on top of hill- these sea-cans should be placed as close to the shore manifold as possible)
- Shore line where fuel line connects should be cleaned of all obstructions to prevent injury to staff and damaging the containment booms
- Life jackets or mustang suits must be worn while working near the water and/or on boats
- It’s required that AEM warehouse staff working at Itivia area review the OPEP and Emergency Response Plan with ENV Tech prior to barge/fuel transfer season (both rotations)
- AEM observed that the OPEP and Spill Contingency plan was located in the Itivia warehouse office
- Follow up with DFO; if strip of overburden can be removed from inter-tidal zone to facilitate spill response and pro spill prevention measures
- Order more shackles
- OPEP should include the local municipality emergency numbers (I included this document in the PDF)
- AEM and ERT members will conduct annual training with Environment Dep’t staff.
- Lighter anchors (20 pound range) for the boat (ordered); currently have 60 pound anchors

Annual Mock Spill Attendee List



4 m³ - water truck

Fill out this form, attach the minutes and handouts

DATE: 2018-08-04

Topic: Mock Spill event - Itivia refueling area


Safety Concerns: High winds

[illegible]

Emergency Contact Numbers

Last update: Jan 15, 2017 Version D

Radio: Channel 1; call “CODE 1, CODE 1, CODE 1”



Agnico-Eagle Mines (AEM) Meliadine Project
25 km north-north-west of Rankin Inlet
 63.027400 (N), - 92.171700 (W) (Helipad)

Meliadine Site Telephone Number:
 Rankin Office: (Ext:3199)

819-759-3555
 867-645-2920

Onsite Health Care Professional: 3911

Medical Emergency		
Rankin Inlet Health Center	Monday - Friday 8h30 to 17h00	(867) 645-8300
Head Nurse: Gracy Dcunha	AFTER HOURS EMERGENCY	(867) 645-6700
Rankin Inlet Ambulance Service (Fire Dept.)	Emergency	(867) 645-2525
Rankin Inlet Search and Rescue		(867) 645-3300
Poison Control Centre	Emergencies	(867) 979-7350
(Qikiqtani General Hospital, Iqaluit)	General inquiries	(867) 979-7300
Law Enforcement, Rescue, Wildlife		
RCMP in Rankin Inlet (Death on camp or for Search & Rescue)		(867) 645-1111
(0123 = General Information, 1111 for emergency, 24H)		(867) 645-0123
Workers' Safety and Compensation Commission (WSCC)		(800) 661-0792 Hot Line
Mine Inspector: Lex Lovatt		(867) 920-3849
Coroner		(867) 975-7292
Conservation & Wildlife officer in Rankin Inlet		(867) 975-1063 cell
Officer Johanne Coutut Autut		(867) 645-8084
		(867) 645-8085
Hazmat & Spills		
CANUTEC		(613) 996-6666
Spills Hotline	Phone	(867) 920-8130
Agnico-Eagle Mines (AEM)		
Program Manager: Martin Plante martin.plante@agnico-eagle.com	Office	(819) 759-3555 ext: 8058
		(819) 856-1873 Cell
Others		
Health & Safety Superintendent: Dominic Richard dominic.richard@agnicoeagle.com		(819) 856-4104 Cell
Environment Superintendent: Nancy Harvey nancy.harvey@agnicoeagle.com		(819) 856-4385 Cell
Human Resources Superintendent : Sandra Marseille sandra.marseille@agnicoeagle.com		(819) 860-3723 Cell
FM Radio Frequencies		
Channel 1 – CAMP (Emergency call Channel)		Rx & Tx: 167.43000
Channel 2 – CONSTRUCTION		Rx & Tx: 163.32000
Channel 3 – EXPLORATION		Rx: 163.57500 Tx: 168.70500
Channel 8 – ROAD Meliadine		Rx: 162.54000 Tx: 165.57000
Channel 9 – ROAD Rankin		Rx: 162.66000 Tx: 167.64000
Channel 10 – UG OPERATION		
Channel 11 – UG Spare		