

MVLWB Permits

From: Tyree Mullaney <tyree@mvlwb.com>
Sent: Monday, November 18, 2013 10:11 AM
To: 'Permits'
Subject: FW: re: October 7, 2013 Incident and Arsenic Emission at Site During Roaster Complex Demolition

MV2012L8-0010

Reports and Studies – Other

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From: kevin o'reilly [mailto:kor@theedge.ca]
Sent: November 15, 2013 3:41 PM
To: kevin o'reilly
Cc: Adrian.Paradis@aandc-aadnc.gc.ca; Erika_Nyyssonen@gov.nt.ca; tyree@mvlwb.com; gordon.hamre@gmail.com; tslack@ykdene.com; reganalyst@nsma.net; Morag.McPherson@dfo-mpo.gc.ca; kkronstal@yellowknife.ca; Jane.Amphlett@aandc-aadnc.gc.ca; Tara.Kramers@aandc-aadnc.gc.ca; Aileen_Stevens@gov.nt.ca
Subject: Re: re: October 7, 2013 Incident and Arsenic Emission at Site During Roaster Complex Demolition

No one from the Giant Team has bothered to respond to my e-mail sent almost four weeks ago. Is roaster deconstruction still under way? When will it be finished for the season? When will air quality monitoring end for the season?

Kevin O'Reilly
Alternatives North

----- Original Message -----

From: kevin o'reilly <kor@theedge.ca>
Date: Sunday, October 27, 2013 16:37
Subject: re: October 7, 2013 Incident and Arsenic Emission at Site During Roaster Complex Demolition
To: Adrian.Paradis@aandc-aadnc.gc.ca, Erika_Nyyssonen@gov.nt.ca
Cc: tyree@mvlwb.com, gordon.hamre@gmail.com, tslack@ykdene.com, reganalyst@nsma.net, Morag.McPherson@dfo-mpo.gc.ca, kkronstal@yellowknife.ca, Jane.Amphlett@aandc-aadnc.gc.ca, Tara.Kramers@aandc-aadnc.gc.ca, Aileen_Stevens@gov.nt.ca

Adrian/Erika

In the last two weekly air quality monitoring program reports there has been some coverage of an incident that happened on site where a silo was taken down on October 7, 2013 resulting in an arsenic emission. I have some questions that I am hoping you can answer.

1. When will the roaster complex work be completed for the season, if it has not already? What measures are underway to properly winterize the site?
2. The October 7 incident resulted in arsenic emissions that exceeded the Ontario 24 hour standard of 0.3 ug/cubic metre for two stations around the roaster complex. Both stations were apparently close to the highway with one showing an exceedance of more than 10 times the Ontario standard.

The PM10 data for station 1 shows it was upwind of the silo at 4:15 pm when visible dust was noted, station 3 was downwind when visible dust was noticed at 4:45 pm, station 4 was downwind of the silo but no visible was reported (PM10 appears to have peaked about 5:15 pm), station 5 was downwind and visible dust was reported at 4:15 pm but no wind direction or upwind/downwind reading was available for 4:30 pm (PM10 peaked at 4:15 pm at 49 ug/cubic metre, 15 minute average).

PM10 data for the N'dilo community station peaked between 2-5 pm on October 7 (the highest maximum level for the reporting period Oct. 6-12). Arsenic was above detect level for the N'dilo station on October 7 as well (no other stations had anything above detect level for the reporting period).

Why was visible dust seen upwind of the silo and not downwind during this incident and some downwind stations did not report any visible dust? Is the same observer responsible for recording whether dust is visible or not? Why was there no wind direction available for station 5 right after the incident (this station appears to have been the one closest to the incident)?

Is it safe to assume that some of the arsenic emitted during this incident actually made it to N'dilo?

What was the source of the dust and arsenic? Was the silo properly decontaminated before it was demolished?

3. The AECOM report dated October 12, 2013 states that the prime contractor conducted air dispersion modelling of the October 7th incident and that no human health safety concerns were identified for anyone using the highway. Please provide a copy of this report.

4. What was learned and has there been any more detailed analysis of the monitoring results from the three networks to see what actually happened in terms of air quality and environmental impacts? Are there any photos of this incident? If so, please provide them. Will AANDC be reviewing its risk-based action levels as a result of this incident?

Thanks.

Kevin O'Reilly
Alternatives North

----- Original Message -----

From: Tara Kramers <Tara.Kramers@aandc-aadnc.gc.ca>

Date: Friday, October 25, 2013 11:18

Subject: Weekly summary for the Giant Mine AQM program - Oct 13-19th, 2013

To: Nahum Lee <Nahum.Lee@aandc-aadnc.gc.ca>

Cc: Lisa Colas <Lisa.Colas@aandc-aadnc.gc.ca>

> Please find attached the weekly summary for the Giant Mine AQM program for the week ending October 19, 2013.

> In summary:

> There were no exceedances of the established criteria for airborne particulate matter measured at any of the fenceline locations during the week ending October 19, 2013;

> There were no exceedances of the established criteria for airborne particulate matter measured at any of the community monitoring stations locations during the week ending October 19, 2013;

> Laboratory results indicated there were no exceedances of the established criteria for airborne trace metal and arsenic concentrations measured at any of the community monitoring stations from sampling conducted on October 1, 4, and 7, 2013. A detectable arsenic concentration was measured at NDL on October 7, 2013;

> Laboratory results indicated there were no exceedances of the established criteria for asbestos measured at any of the community monitoring stations from sampling conducted on October 1 and 4, 2013;

> The AQM program operated as specified during the week ending October 19, 2013. However ten hours of PM2.5 and PM10 data from the YCC station on October 17 was lost as a result of the generator and heater failing. The TSP sample collected from NAPS on October 7, 2013 was deemed invalid as the sampler ran past the maximum allowable time period.

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> Regards,

> Tara Kramers

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Tara Kramers

> *Giant Mine Remediation Project*

> *Ph. (867-)669-2431*

> *Fax. (867)669-2439*

> Tara.Kramers@aandc-aadnc.gc.ca