Appendix G10

2017 Air Quality and Dustfall Monitoring Report

AGNICO EAGLE

MEADOWBANK GOLD PROJECT

2017 Air Quality and Dustfall Monitoring Report

In Accordance with NIRB Project Certificate No.004

Prepared by:
Agnico Eagle Mines Limited – Meadowbank Division

March, 2018

EXECUTIVE SUMMARY

The 2017 air quality and dustfall monitoring program at Meadowbank was conducted according to the Air Quality and Dustfall Monitoring Plan - Version 2 (November, 2013).

The objective of the 2017 program was to measure dustfall, NO_2, and/or suspended particulates (TSP, PM_{10}, $PM_{2.5}$) at four monitoring locations around the Meadowbank site. Locations were established in 2011 in consultation with Environment Canada.

Results obtained for the measured parameters were compared to Government of Nunavut (GN) Environmental Guidelines for Ambient Air Quality (October, 2011) for TSP, $PM_{2.5}$ and NO_2; BC Air Quality Objectives (August, 2013) for PM_{10}; and Alberta Ambient Air Quality Guidelines (August, 2013) for dustfall. The Canadian Ambient Air Quality Standards for $PM_{2.5}$ (2015) are also referenced.

No TSP samples exceeded the relevant 24-h GN standard of 120 µg/m^3, nor did annual average TSP values exceed the GN guideline of 60 µg/m^3. For PM_{10}, no samples exceeded the BC Air Quality Objective of 50 µg/m^3 for the 24-h average. For $PM_{2.5}$, no samples exceeded the GN guideline of 30 µg/m^3 or the Canadian Ambient Air Quality Standard of 28 µg/m^3 for the 24-h average.

The Alberta recreational area guideline for dustfall was exceeded in one out of 47 samples. While the applicability of these guidelines is not well defined, there are no recreational or residential users within vicinity of the minesite and exceedance of one sample is not expected to result in significant aesthetic or nuisance concerns. The industrial area guideline was not exceeded in any sample.

The GN annual average standard for NO_2 of 32 ppb was not exceeded, with annual averages of 0.79 and 1.56 ppb at DF-1 and DF-2, respectively.

Historical comparisons indicate no trends towards increasing concentrations of any measured air quality parameter.

Weather data collected onsite in 2016 are provided in Appendix A.

Estimated greenhouse gas emissions for the Meadowbank site as reported to Environment Canada's Greenhouse Gas Emissions Reporting Program in 2017 were 197,678 tonnes CO_2 equivalent, which is similar to the value obtained in 2015 and 2016 (187,280 and 184, 223 tonnes CO_2 equivalent).

A summary of incinerator stack testing results is provided. The measured concentrations of mercury were below the GN standard of 20 µg/Rm^3 in all three tests. Measured concentrations of total dioxins and furans were also below the GN standard (80 pg TEQ / Rm³ @ 11 % v/v O_2) in all three tests.

Overall, there are no apparent trends towards increasing air quality concerns at the Meadowbank site. Incinerator stack testing will be conducted again in 2018 and 2019 to confirm the source of the SVOC exceedance has been correctly identified and remediated.

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SECTION 1 • INTRODUCTION

1.1 BACKGROUND AND OBJECTIVES

Since November, 2011, Agnico Eagle Mines Ltd. has conducted outdoor dust and air quality monitoring at the Meadowbank site, near Baker Lake, Nunavut, as required under NIRB Project Certificate No. 004. Monitoring in 2017 followed the Air Quality and Dustfall Monitoring Plan - Version 2 (November, 2013). The objective of this program is to monitor ambient air quality around the mine site perimeter, with the goal of verifying compliance with relevant environmental standards.

The parameters measured in 2017, in accordance with the Project Certificate, were suspended particulates (TSP, PM_{10}, $PM_{2.5}$), NO_2 and dustfall (settleable particulate matter). As described in the Air Quality and Dustfall Monitoring Plan, dustfall was measured approximately monthly and rates were normalized to 30 days; suspended particulates were measured over 24 h on a six day cycle; and NO_2 was measured over approximately one month periods.

This report also provides a comparison of historical trends (Section 5), weather data as collected through the onsite weather station (Section 6), greenhouse gas emissions data as required by Environment Canada's Greenhouse Gas Emissions Reporting Program (GHGRP) (Section 7), and a summary of incinerator stack testing as conducted under Meadowbank's Incinerator Waste Management Plan (Agnico, 2014) (Section 8).

1.2 MONITORING LOCATIONS

Monitoring locations were determined in consultation with Environment Canada in 2011. One station was moved in 2012 due to changes in the location of the Vault haul road (see 2012 Annual Report – Air Quality and Dust Monitoring Report). UTM coordinates are provided in Table 1, and locations are shown in relation to minesite features in Figure 1.

Table 1. UTM coordinates and dates of measurement for the Meadowbank air quality and dustfall monitoring locations.

Monitoring Location	Measured Parameters	Easting	Northing
DF-1	TSP, PM_{10}, $PM_{2.5}$, NO_2, dustfall	636850	7217663
DF-2	TSP, PM_{10}, $PM_{2.5}$, NO_2, dustfall	637895	7213049
DF-3	Dustfall	639599	7213198
DF-4	Dustfall	639233	7217074

1.2.1 DF-1

Station DF-1 is located next to the explosive storage area (emulsion plant), and approximately 500 m north of the all-weather access road. PM_{10} and $PM_{2.5}$, NO_2 and dustfall were monitored at this location from January through December, 2017. TSP results were only available for January, November, and December, 2017 (see Section 4.1).

1.2.2 DF-2

Station DF-2 is located at the northern corner of South Camp Island, near the TCG contractor area. All parameters (TSP, PM_{10} and $PM_{2.5}$, NO_2 and dustfall) were monitored at this location from January through December, 2017.

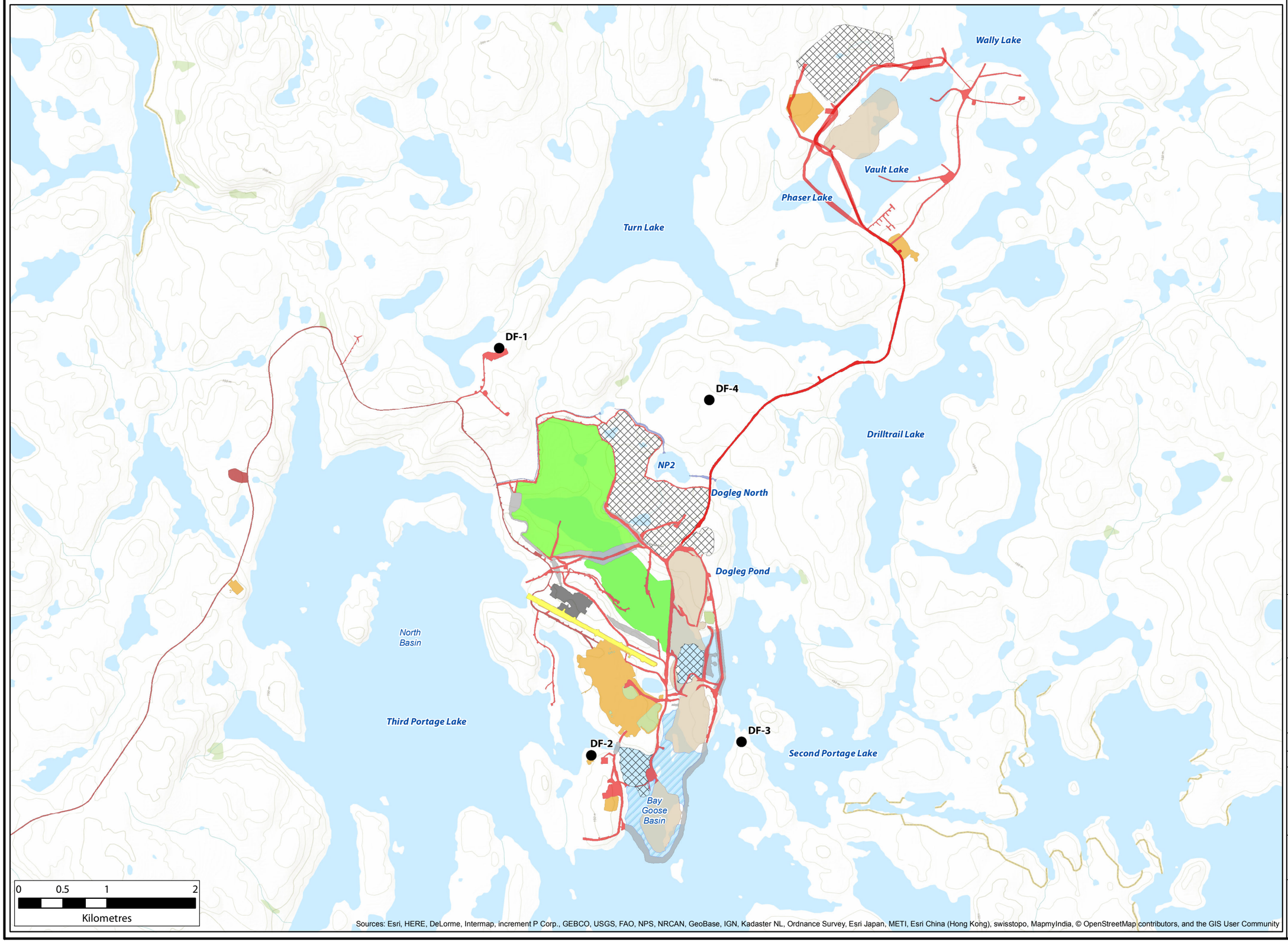
1.2.3 DF-3

Station DF-3 is approximately 1,800 m east of the East Dike. According to the Plan, dustfall only was monitored at this location from January through December, 2017.

1.2.4 DF-4

Station DF-4 is approximately 1,500 m southwest of Vault Pit. The original location of this monitoring station was chosen before the beginning of the construction of the Vault Road. Realignment of the road during construction placed the station within 10 feet of the road. Therefore, Agnico re-positioned Station DF-4 approximately 480 m to the north-west on February 29, 2012 to be representative of the originally intended location relative to the road.

According to the Plan, dustfall only was monitored at this location from January through December, 2017.



Legend

- Air Quality & Dust Monitoring Location

Mine Plan (2015)

- Quarry
- AWPAR Quarry
- Dewatered Lake
- Tailings Storage Facility
- Roads
- AWPAR
- Dikes
- Diversion Ditch
- Stockpiles
- Pits
- Facility
- Airstrip
- Waste Dump

Air Quality & Dust Monitoring Locations

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PROJECT: DA11-062-06

CLIENT: Agnico-Eagle Mines Ltd., Meadowbank Div.

N / W / E / S

UTM Zone 14 NAD83

DATE: MARCH 2016

SCALE: 1:40,000

DRAWN BY: LC

CHECKED BY:

FIGURE:

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SECTION 2 • REGULATORY LIMITS

Data collected from the air quality and dustfall monitoring program at Meadowbank was compared to the available Government of Nunavut Environmental Guidelines for Ambient Air Quality (October, 2011). Guidelines for the measured parameters are provided in Table 2.

Table 2. Government of Nunavut Environmental Guidelines for Ambient Air Quality (October, 2011) for the parameters of concern at Meadowbank. All values are for data normalized to standard conditions of 25°C and 101.3 kPa.

Parameter	Time Frame	Guideline	
		µg/m^3	ppb
Fine Particulate Matter ($PM_{2.5}$)	24-h average	30	
Total Suspended Particulate (TSP)	24-h average	120	
	Annual geometric mean	60	
Nitrogen Dioxide (NO_2)	1-h average	400	213
	24-h average	200	106
	Annual arithmetic mean	60	32

In 2015, the Canadian Council of Ministers of the Environment adopted new Canadian Ambient Air Quality Standards for $PM_{2.5}$. Although these have not yet been incorporated into Nunavut's guidelines, the published 24-h value for $PM_{2.5}$ of 28 µg/m^3 and annual average of 10 µg/m^3 are addressed here for reference. These values represent voluntary objectives.

No GN standard is available for coarse particulate matter (PM_{10}) so results were compared to the BC Air Quality Objective (August, 2013) of 50 µg/m^3.

Likewise, no standards for dustfall are available for Nunavut. Results of the dustfall analysis were compared to the Alberta Environment Department recreational area guideline for total dustfall (August, 2013) of 0.53 mg/cm^2/30d and commercial/industrial guideline of 1.58 mg/cm^2/30d, to provide context.

For all parameters and locations, trends over time were assessed.

SECTION 3 • MONITORING METHODS

3.1 TSP, PM_{10}, $PM_{2.5}$

In 2017, Agnico Eagle field staff sampled suspended particulates (TSP, PM_{10}, $PM_{2.5}$) at the two locations previously described for 24-h periods every six days using Partisol Plus Model 2025 Sequential Air Samplers (TSP) and Partisol Plus Model 2025-D Dichotomous Sequential Air Samplers ($PM_{2.5}$ and PM_{coarse}). Partisol samplers draw in a stream of ambient air at a controlled flow rate, and particulates are collected on a pre-weighed filter supplied by an accredited laboratory. The exposed filter is then shipped back to the laboratory and re-weighed to measure the total accumulated particulates. Calculations for TSP, PM_{10} and $PM_{2.5}$ were performed according to the Partisol operating manual, as follows.

TSP is calculated as:

$$TSP = M_{TSP}/V$$

Where: TSP = mass concentration of particulates (µg/m^3)

M_{TSP} = final mass of TSP filter – initial mass of filter (µg/filter)

V = volume of air drawn in during the sampling period (~24 m^3)

Since the dichotomous unit splits the intake air stream to determine $PM_{2.5}$ and PM_{coarse} ($PM_{10\text{-}2.5}$), the volume of air is different for each filter. Calculations are performed as follows:

$PM_{2.5}$ is calculated as:

$$PM_{2.5} = M_{2.5}/V_{2.5}$$

Where: $PM_{2.5}$ = mass concentration of particulates (µg/m^3)

$M_{2.5}$ = final mass of $PM_{2.5}$ filter – initial mass of filter (µg/filter)

$V_{2.5}$ = volume of air drawn through the $PM_{2.5}$ filter during the sampling period (~21.7 m^3)

And PM_{coarse} is calculated as:

$$PM_{coarse} = M_{coarse}/V_{total} – PM_{2.5}(V_{coarse}/V_{total})$$

Where: PM_{coarse} = mass concentration of particulates (µg/m^3)

M_{coarse} = final mass of PM_{coarse} filter – initial mass of filter (µg/filter)

V_{total} = total volume of air drawn into unit during sampling (~24m^3)

V_{coarse} = volume of air drawn through the PM_{coarse} filter during the sampling period (~2.4 m^3)

Concentration of PM_{10} is then calculated as PM_{coarse} + $PM_{2.5}$.

For comparison to Government of Nunavut Ambient Air Quality Guidelines (2011), concentrations of particulates need to be calculated using air volumes normalized to 25°C and 101.3kPA (standard

temperature and pressure; STP). Standardized volumes were calculated from average temperature and pressure recorded by the Partisol unit during the sampling period, whenever possible. These values were only available for January 7 – March 8 for the dichotomous unit at DF-1, but were recorded for all dates sampled with the TSP unit at that site. At DF-2, standardized volumes were available for all sampling dates. Actual sampled volumes were used in calculations for those dates. Estimates of suspended particulate concentrations using non-standardized volumes are expected to be slightly conservative (higher than actual), since air temperatures are almost always colder than 25°C.

In addition, the air sampling unit is housed in an insulated container because winter temperatures inhibit operation. This is standard practice in northern climates. Since the unit's ambient temperature sensor is warmer than actual air temperature for much of the year, intake volumes are inflated compared to calculated volumes, resulting in conservative estimates of particulate concentrations.

3.2 DUSTFALL

Dustfall was collected at approximately 2 m height in open vessels containing a purified liquid matrix over one month periods (approximately) at each of the four locations. Particles are deposited and retained in the liquid, which was then analyzed for total and fixed (non-combustible) dustfall. Calculated dustfall rates were normalized to 30 days (mg/cm^2/30 days). Dustfall collection vessels were provided by and analyzed by an accredited laboratory (Maxxam Analytics).

3.3 NO_2

Concentrations of NO_2 by volume (ppb) were analyzed over one month periods (approximately 30 days) using a passive sampling device provided by Maxxam Analytics. No monitoring was proposed for other gaseous pollutants because of low concentrations predicted in pre-construction dispersion modelling (Cumberland, 2005).

The annual average NO_2 concentration by volume was calculated from the monthly data for comparison against the relevant standard.

SECTION 4 • 2017 MONITORING RESULTS

Laboratory certificates for all analytical results are provided in Appendix B.

4.1 TSP, PM_{10}, $PM_{2.5}$

Sampling dates and 24-h average concentrations of TSP, PM_{10} and $PM_{2.5}$ are shown in Figures 2 – 4.

TSP samples at DF-1 were not available from January 31 through November 3, due to unit malfunction. Remote troubleshooting with the manufacturer and service provider showed that a reoccurring electronic issue was at fault. After looking for spare parts and possible repair options, the manufacturing company (Thermo) advised that spare parts were no longer available for the model present at MBK. Therefore a new unit was ordered as replacement. Troubleshooting, ordering and shipping delays meant the new unit was not installed and functioning until November. $PM_{2.5}$ and PM_{10} samples were available throughout the year, except occasional dates, due to instrument maintenance or malfunction (unavailable March 15, 21, May 26, June 1). For DF-2, $PM_{2.5}$ and PM_{10} samples were available for all dates except June 1 through July 1 due to instrument error. Similarly, TSP samples were unavailable June 1 – July 1, and September 23 - October 29.

Additionally, in 9 out of 14 samples at DF-1 and 7 out of 44 samples at DF-2, TSP results were lower than PM_{10} results. A similar frequency of exceedances has been observed in previous years. While not technically possible since PM_{10} is a subset of TSP, this has been observed by others with the same Partisol samplers over a similar range of concentrations (e.g. Doris North - Rescan, 2009). This may be occurring as a result of two compounding sources of reduced precision in PM_{10} measurements. Firstly, PM_{10} is calculated as PM_{coarse} + $PM_{2.5}$ (i.e. two filters), increasing the potential sources of error compared to analysis of a single filter. Further, measured concentrations of $PM_{2.5}$ are generally very low, and frequently less than 5x the method detection limit, especially at DF-1 (43 out of 56 samples). Since all results were lower than the GN standard, they are not handled separately in the dataset.

As in previous years, TSP concentrations were low, with two out of 67 samples exceeding the GN 24-h standard of 120 µg/m^3 on April 1 and 7 at DF-2 (324 and 146 µg/m^3, respectively). These maximums continue to be within the historically recorded high value of 459 µg/m^3.

The annual geometric mean concentrations of TSP at DF-1 and DF-2 were 2.1 and 10.5 µg/m^3, respectively. These estimates are well below the annual GN guideline of 60 µg/m^3, and are similar to values observed in previous years (8 and 12 µg/m^3 in 2012, 4.6 and 14.0 µg/m^3 in 2013, and 6.5 and 12.8 µg/m^3 in 2014, 5.1 and 9.8 µg/m^3 in 2015, 3.8 and 6.4 µg/m^3 in 2016).

As in previous years, the highest PM_{10} concentrations were generally observed between May and November. No samples exceeded the BC Air Quality Objective of 50 µg/m^3 for 24-h average PM_{10}.

No samples exceeded the GN guideline of 30 µg/m^3 for 24-h average $PM_{2.5}$, or the Canadian Ambient Air Quality Standard of 28 µg/m^3. Annual average concentrations of $PM_{2.5}$ were 0.6 (n = 56) and 2.6 µg/m^3 (n = 53) at DF-1 and DF-2, respectively, which are well below the Canadian Ambient Air Quality Standard for annual average $PM_{2.5}$ of 10 µg/m^3.

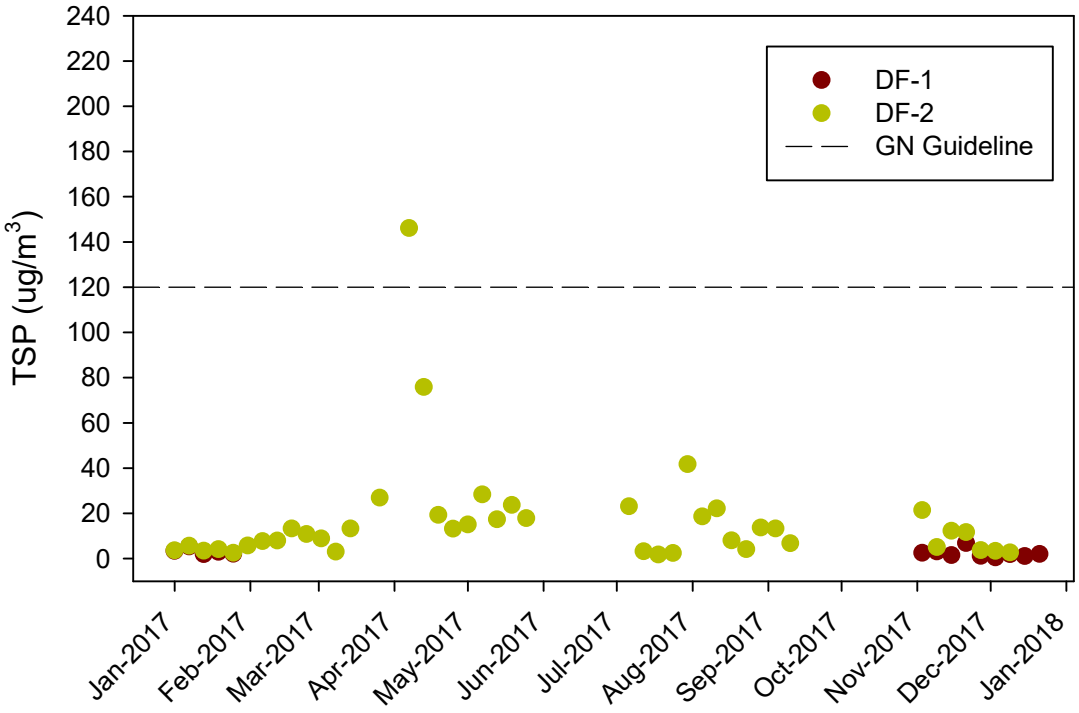

Figure 2. 24-h average concentrations of total suspended particulates (TSP) at Meadowbank stations DF-1 and DF-2. Dashed line indicates the 24-hr average GN guideline for ambient air quality.

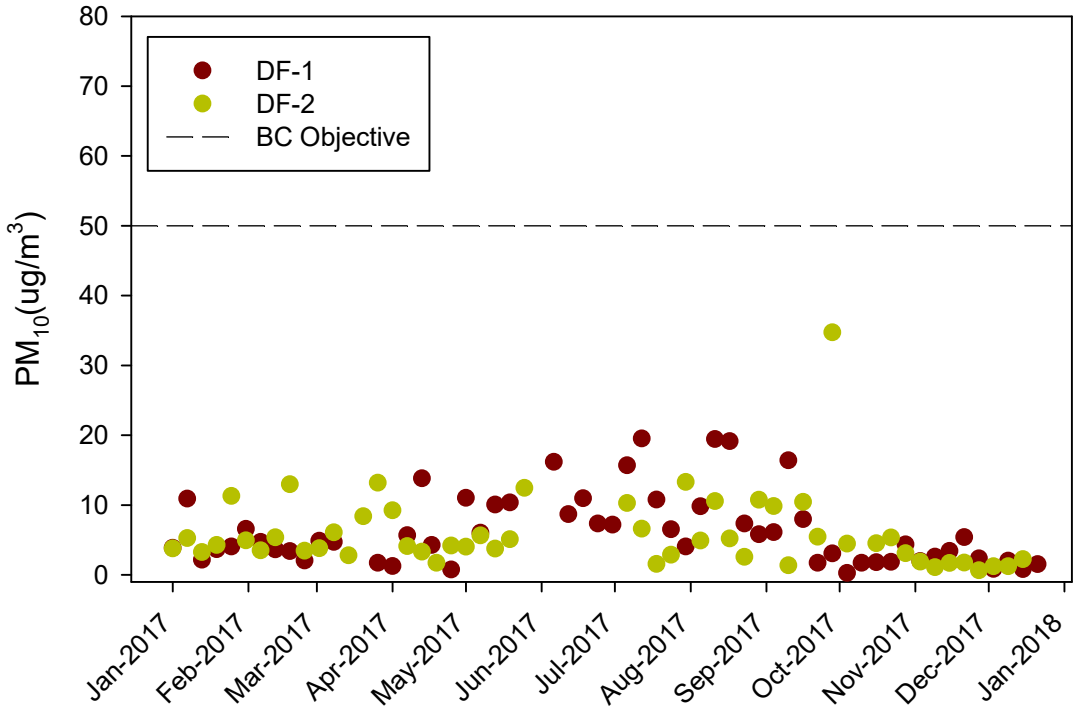

Figure 3. 24-h average concentration of airborne particulate matter less than 10 microns (PM_{10}) at Meadowbank stations DF-1 and DF-2. Dashed line indicates the BC Air Quality Objective for this parameter.

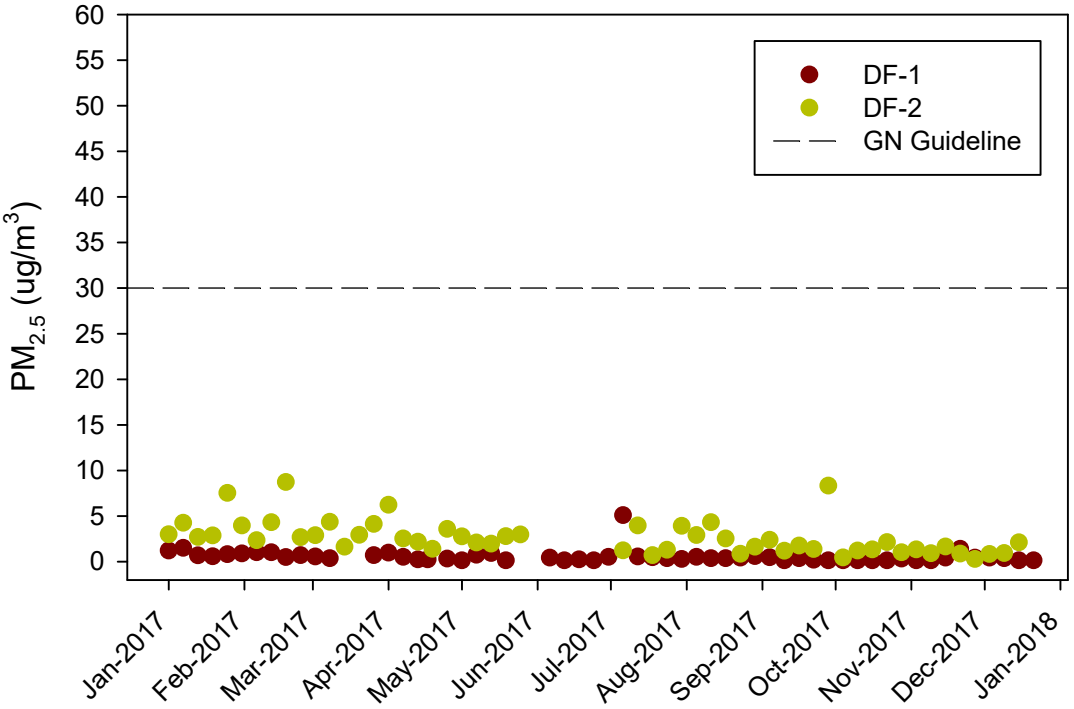

Figure 4. 24-h average concentration of airborne particulate matter less than 2.5 microns ($PM_{2.5}$) at Meadowbank stations DF-1 and DF-2. Dashed line indicates the 24-hr average GN guideline for ambient air quality.

4.2 DUSTFALL

Results of the 2017 dustfall sampling program (30-day normalized rates of total and fixed dustfall) are provided in Figure 5 and 6. Fixed dustfall accounted for nearly all of total dustfall in most samples (average 75%). Samples are plotted by the collection start date. To provide context, the Alberta Environment Department's recreational/residential and industrial/commercial area dustfall guidelines of 0.53 mg/cm^2/30 days and 1.58 mg/cm^2/30 days are indicated for total dustfall. These guidelines are based on aesthetic or nuisance concerns, and are to be used for airshed planning and management, as a general performance indicator, and to assess local concerns.

The recreational/residential area guideline was exceeded in 3 out of 44 samples, which is similar to previous years (1 exceedance in 2015 & 2016, 5 in 2014, 11 in 2013, 10 in 2012). The industrial/commercial area guideline, which is most applicable to these minesite locations, was not exceeded. While the use of these guidelines is not well defined, there are no recreational or residential users within vicinity of the minesite and exceedance of three samples is not expected to result in significant aesthetic or nuisance concerns.

No significant trends by location are apparent. Relatively low dustfall values overall may reflect continued efforts to manage dust on site roads through use of dust suppressants (calcium chloride application) and water trucks.

Where results were greater than the detection limit (1 mg), fixed (non-combustible) dustfall always represented more than 28% of total dustfall, and more commonly more than 80% (median = 82%).

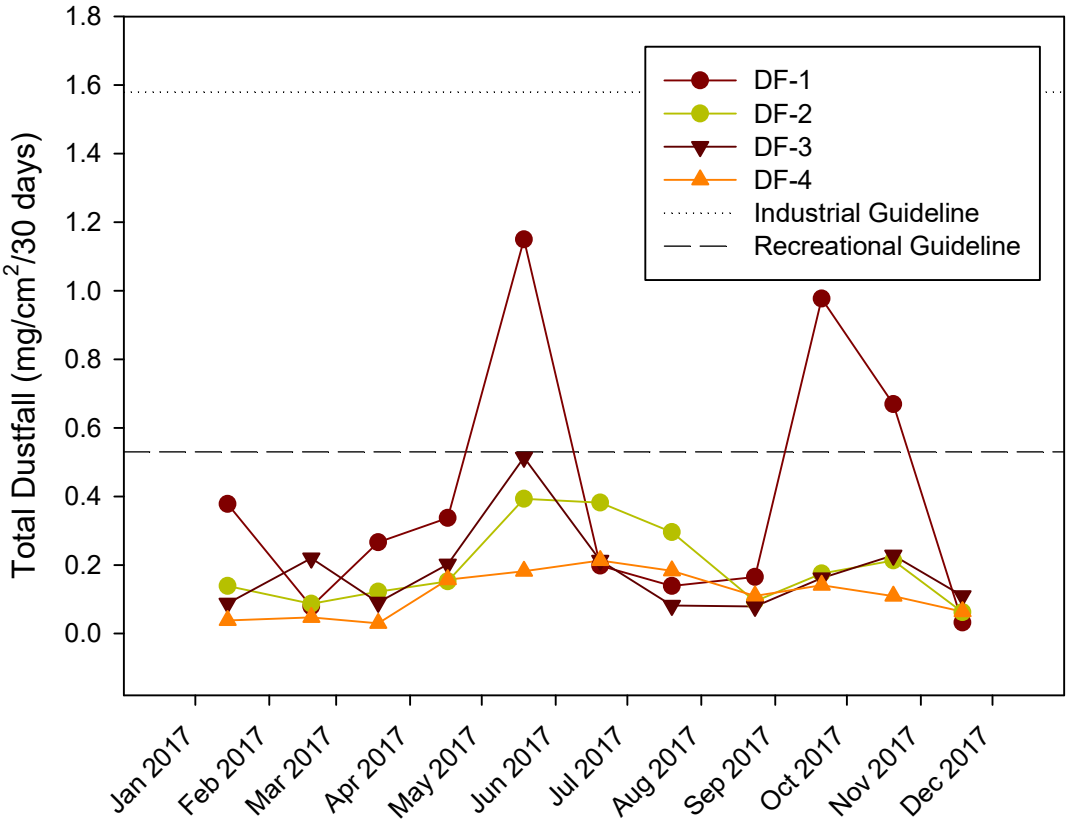

Figure 5. Total 30-day-normalized dustfall at DF-1 – 4 at the Meadowbank site. Points represent start date of sample collection. Dashed line indicates the Alberta Environment Department's recreational area guideline of 0.53 mg/cm^2/30d, and the dotted line indicates the industrial area guideline of 1.58 mg/cm^2/30d.

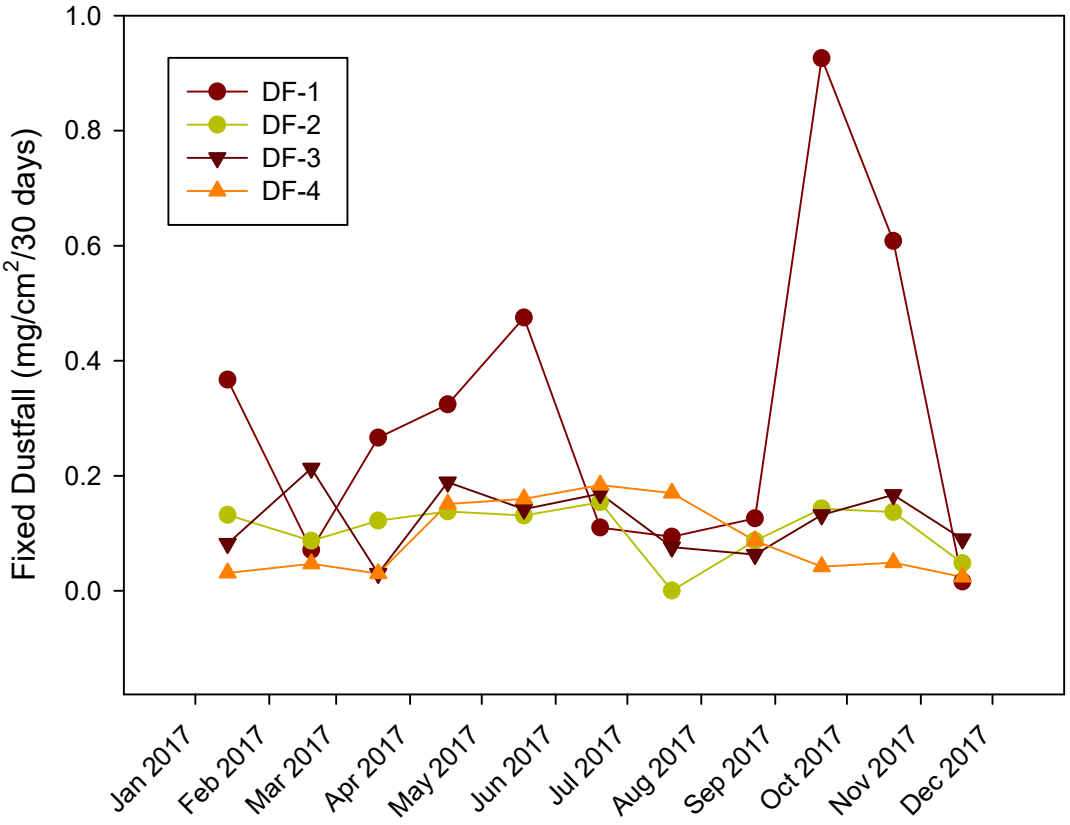

Figure 6. Fixed (non-combustible) 30-day-normalized dustfall at DF-1 – 4 at the Meadowbank site. Points represent start date of sample collection.

4.3 NO_2

Monthly-average NO_2 trends in 2017 are provided in Figure 7. Samples are referred to by the collection start date. Concentrations of NO_2 vary between non-detect (<0.1) and 3.2 ppb. This maximum is similar to those observed previously (2.4, 3.3, 3.3, 5.3, and 6.8 ppb observed in 2016, 2015, 2014, 2013 and 2012, respectively). At most time points, concentrations continue to be slightly lower at DF-1 than DF-2. This is likely because DF-1 is further from the main camp area and there is generally less vehicular activity in the vicinity. No clear trends towards increasing or decreasing concentrations over time are evident.

Annual arithmetic mean concentrations were calculated for each station from the monthly-average values. The annual mean concentrations of NO_2 were 0.79 and 1.56 ppb for DF-1 and DF-2, respectively (January 14, 2017 – December 20, 2017). These are both well below the Government of Nunavut Ambient Air Quality Standard of 32 ppb for the annual average.

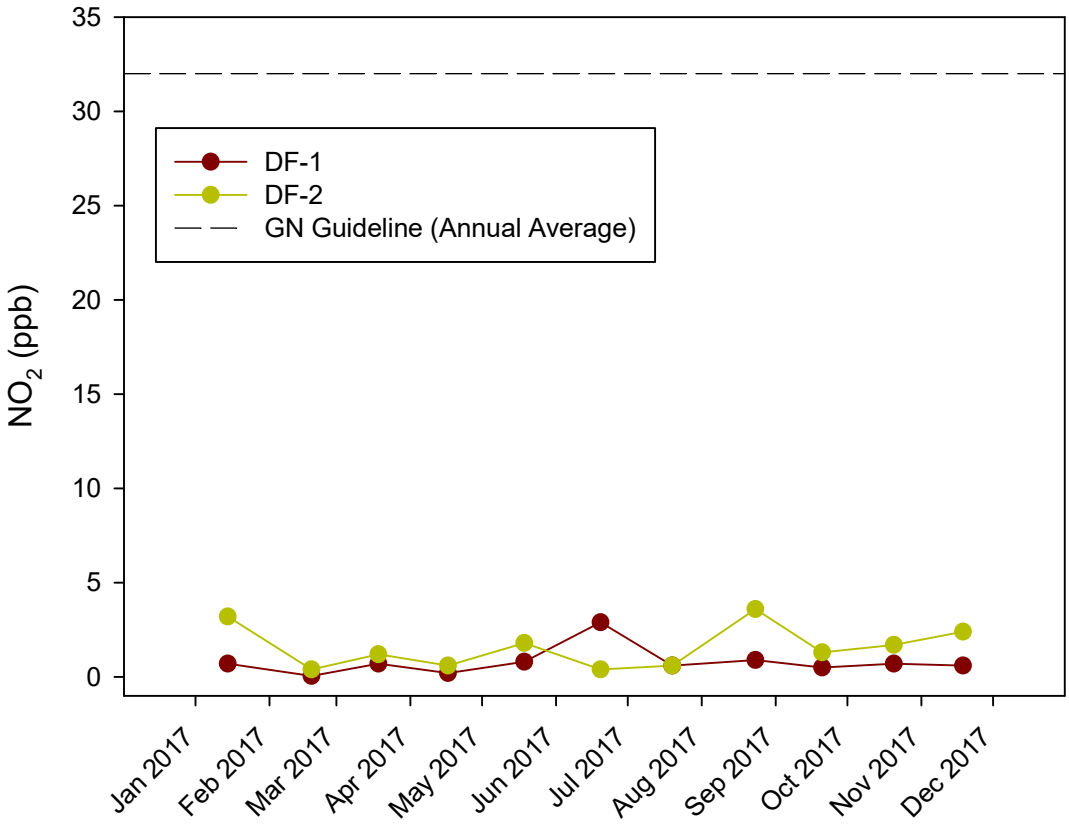

Figure 7. Monthly average concentration of NO_2 at DF-1 and DF-2. Points represent start date of sample collection. Dashed line indicates GN standard for the annual average.

4.4 QA/QC

QA/QC procedures in 2017 included the use of an accredited lab for sample preparation and analysis, and sample collection by appropriate personnel (trained by a professional air quality specialist).

Agnico Eagle technicians are now trained to calibrate and maintain Partisol instruments on site, and travel blanks were used as part of 10 of 11 particulate sample submissions. Eight laboratory records indicated contamination of travel blanks up to 14 µg/filter (MDL = 3 µg/filter). Detections in travel blanks are relatively common, with 2, 3, and 6 contaminated blanks occurring in 2016, 2015 and 2014, respectively, up to 11 ug/filter. In the majority of cases, blanks marginally exceeded the detection limit (e.g. 4 or 5 ug/filter) and never exceeded 5x the MDL. Detections in laboratory blanks only occurred in two sample reports. Since there were few exceedances of regulatory guidelines, the data was not handled separately.

SECTION 5 • HISTORICAL COMPARISON

5.1 TSP, PM_{10}, $PM_{2.5}$

In order to understand trends of suspended particulate concentrations at the Meadowbank site over time, measured values of TSP, PM_{10}, and $PM_{2.5}$ at DF-1 and DF-2 were plotted since monitoring began in 2012 (Figures 8, 9, 10). These results indicate that concentrations of suspended particulates are relatively stable and have not been increasing over time.

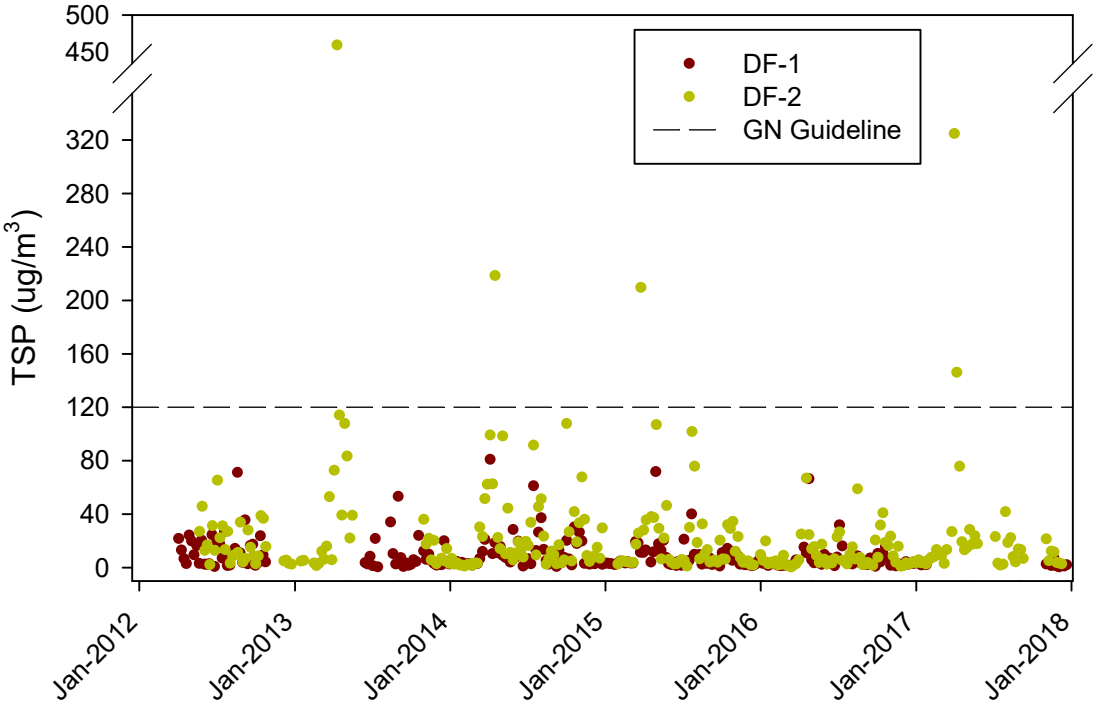

Figure 8. 24-h average concentrations of total suspended particulates (TSP) at Meadowbank stations DF-1 and DF-2. Dashed line indicates the 24-hr average GN guideline for ambient air quality.

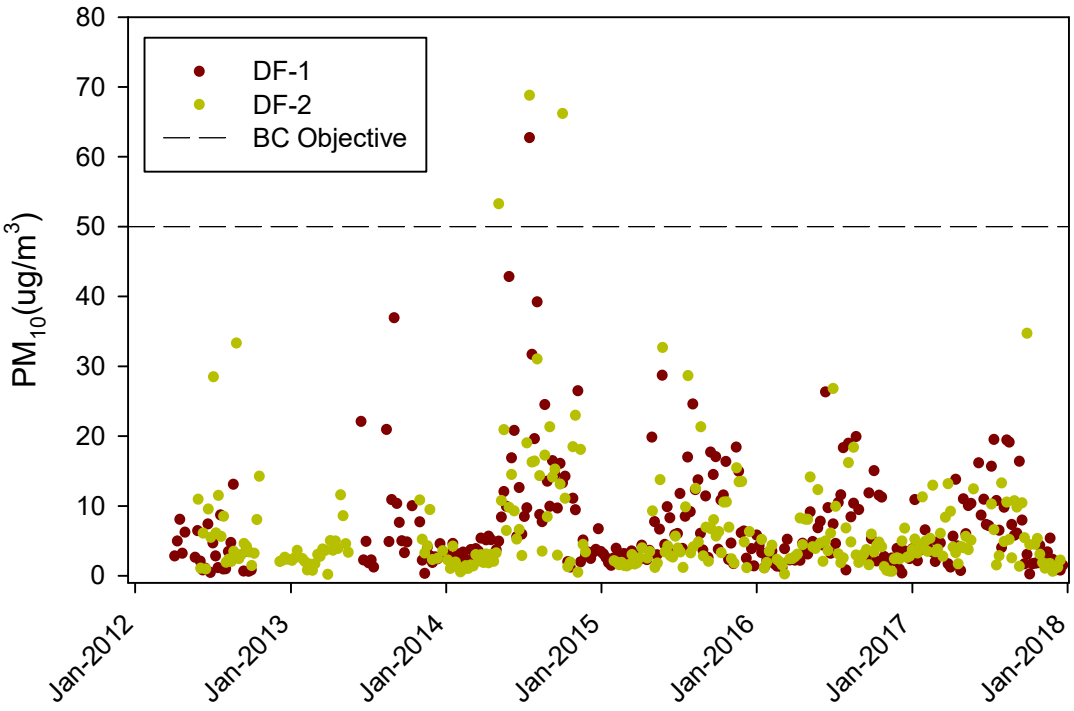

Figure 9. 24-h average concentration of airborne particulate matter less than 10 microns (PM_{10}) at Meadowbank stations DF-1 and DF-2. Dashed line indicates the BC Air Quality Objective for this parameter.

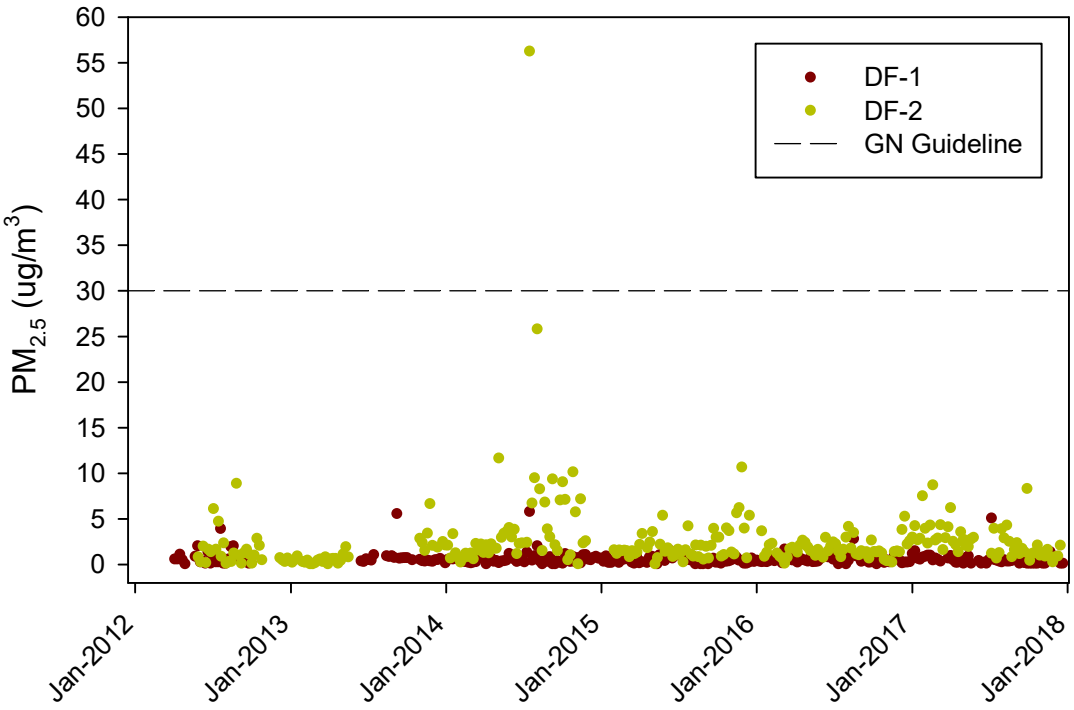

Figure 10. 24-h average concentration of airborne particulate matter less than 10 microns (PM_{10}) at Meadowbank stations DF-1 and DF-2. Dashed line indicates the 24-hr average GN guideline for ambient air quality.

5.2 DUSTFALL

In order to understand trends in generation of deposited particulate matter at the Meadowbank site over time, measured values of dustfall at DF-1, DF-2, DF-3, and DF-4 were plotted since monitoring began in 2012 (Figures 11 and 12). These results indicate that rates of dustfall have not been increasing over time.

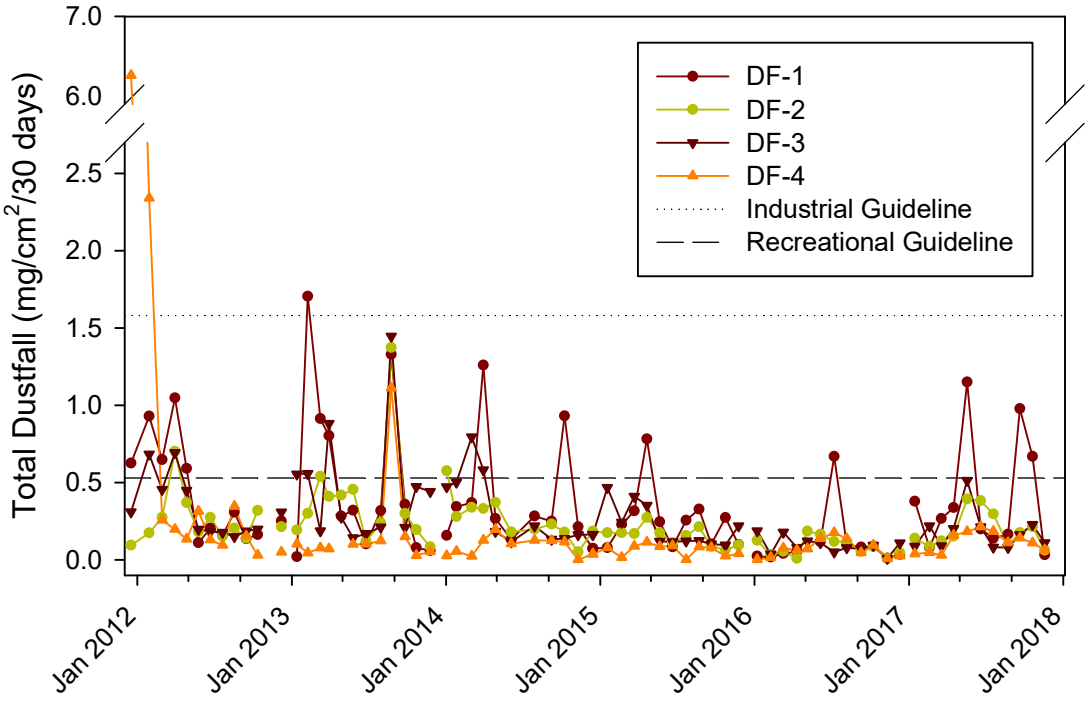

Figure 11. Total 30-day-normalized dustfall at DF-1 – 4 at the Meadowbank site. Points represent start date of sample collection. Dashed line indicates the Alberta Environment Department's recreational area guideline of 0.53 mg/cm^2/30d, and the dotted line indicates the industrial area guideline of 1.58 mg/cm^2/30d.

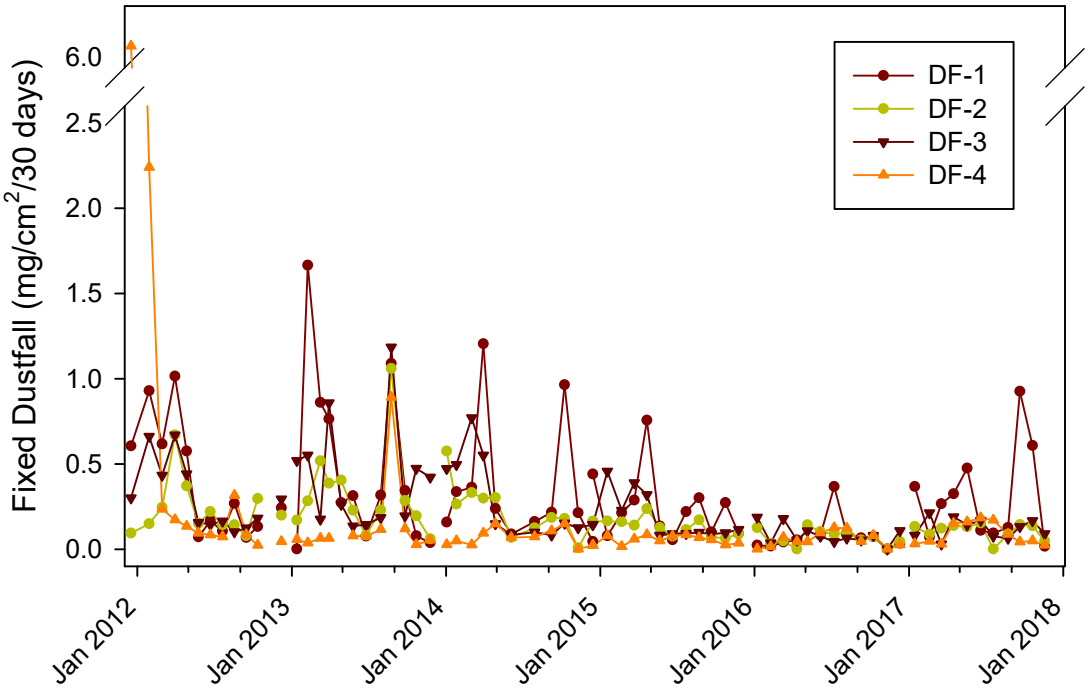

Figure 12. Fixed (non-combustible) 30-day-normalized dustfall at DF-1 – 4 at the Meadowbank site. Points represent start date of sample collection.

5.3 NO_2

In order to understand trends in generation of gaseous pollutants at the Meadowbank site over time, measured values of NO_2 at DF-1 and DF-2 were plotted since monitoring began in 2012 (Figure 13). These results indicate that concentrations of NO2 in the area have remained very low, and are not increasing over time.

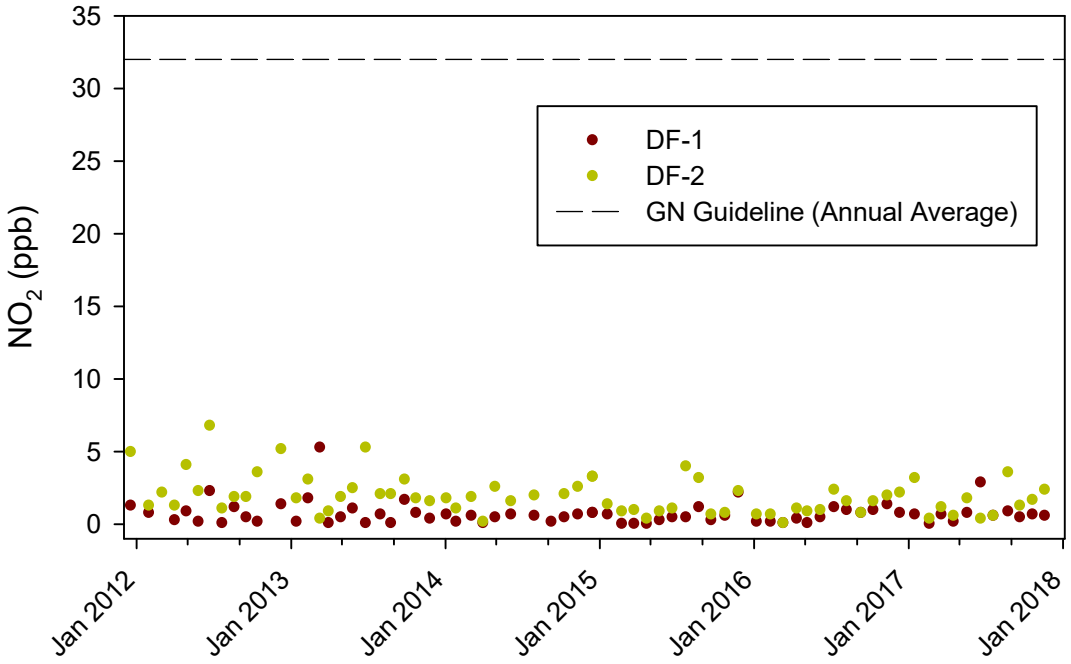

Figure 13. Monthly average concentration of NO_2 at DF-1 and DF-2. Points represent start date of sample collection. Dashed line indicates GN standard for the annual average.

SECTION 6 • WEATHER DATA

Weather data for the dustfall and air quality monitoring periods was collected using the mine site's permanent weather station. Daily averages for wind speed, wind direction and temperature were available from this station.

Daily averages for wind speed, wind direction and temperature are provided in Appendix A.

SECTION 7 • GREENHOUSE GAS EMISSIONS

Agnico is required by Environment Canada's Greenhouse Gas Emissions Reporting Program (GHGRP) to track greenhouse gas emissions based on annual fuel consumption, composition and the US EPA's AP-42 emission factors.

Estimated greenhouse gas emissions for the Meadowbank site as reported to Environment Canada's Greenhouse Gas Emissions Reporting Program in 2017 were 197,678 tonnes CO_2 equivalent. This is similar to the value observed in past years with 184,223 tonnes in 2016, 187,280 tonnes in 2015, 179,889 tonnes in 2014, 195,686 tonnes in 2013, and 202,201 tonnes CO_2 equivalent in 2012.

SECTION 8 • INCINERATOR STACK TESTING

Incinerator stack testing is conducted under Agnico Eagle's Incinerator Waste Management Plan (AEM, 2014), and results are summarized here. As determined in consultation with Environment Canada, incinerator stack testing is undertaken every two years, and annually for five years following an exceedance of EC/GN criteria. In 2014, stack testing was conducted from July 11th to July 13th by Exova Canada Inc. Results indicated that the average (of 3 tests) measured mercury level (64.09 µg / Rm³ @ 11 % v/v O_2) exceeded the GN standard (20 µg / Rm³ @ 11 % v/v O_2). Laboratory re-analysis confirmed these results. An investigation with Meadowbank's Site Services Department was performed to determine the potential sources. Although Meadowbank has an alkaline battery recycling program, the investigation revealed that there could still be a significant volume of batteries disposed of with regular solid waste destined for the onsite incinerator. This would seem to be the most likely source. In addition, the incinerator may have been overloaded on the day of testing which would result in some incomplete combustion but this would not be considered as a major contributing factor. The dioxin and furans results in 2014 (53.6 pg TEQ / Rm³ @ 11 % v/v O2) were well below the GN standard (80 pg TEQ / Rm³ @ 11 % v/v O_2).

Following these tests, Agnico Eagle implemented a comprehensive site wide information campaign to reinforce the requirements of the recycling program. This included regular meetings with individual departments as well as placing information on the Agnico Eagle intranet site.

Stack testing was performed again in 2015 to determine whether the mercury exceedance was ongoing. Testing was performed by Exova Canada Inc. from June 19 – 21, 2015. Concentrations of mercury (<0.22 µg/ Rm³ @ 11 % v/v O_2) were below the GN standard of 20 µg/ Rm³ @ 11 % v/v O_2, suggesting that efforts to reduce improper disposal of batteries were effective. Concentrations of dioxins and furans (21.0 pg TEQ / Rm³ @ 11 % v/v O_2) also met the GN standard (80 pg TEQ / Rm³ @ 11 % v/v O_2).

Stack testing was conducted again in 2016 to confirm these results. Tests were performed by Consulair staff from June 30 – July 3, 2016. Concentrations of mercury (<0.46 µg/Rm³ @ 11 % v/v O_2) were again below the GN standard of 20 µg/ Rm³ @ 11 % v/v O_2 in all three tests. Concentrations of dioxins and furans exceeded the standard (80 pg TEQ / Rm³ @ 11 % v/v O_2) in one of three tests, by 12.5%. The average of the three tests did not exceed the standard (33 pg TEQ / Rm³ @ 11 % v/v O_2).

Stack testing was again conducted in 2017. Tests were performed by Consulair staff from December 2 – 4, 2017. Concentrations of mercury (average of 3.80 µg/Rm³ @ 11 % v/v O_2) were again below the GN standard of 20 µg/ Rm³ @ 11% v/v O_2 in all three tests, with a maximum concentration of 10 µg/Rm³ @ 11 % v/v O_2. Concentrations of dioxins and furans were below the standard (80 pg TEQ / Rm³ @ 11 % v/v O_2) in all three tests, with a maximum concentration of 47 pg TEQ / Rm³ @ 11 % v/v O_2. The average of the three tests was 22 pg TEQ / Rm³ @ 11 % v/v O_2.

SECTION 9 • MONITORING SUMMARY

9.1 COMPARISON TO REGULATORY GUIDELINES

9.1.1 Suspended Particulates (TSP, PM_{10}, $PM_{2.5}$)

Two out of 67 samples of TSP exceeded the 24-h GN guideline of 120 µg/m^3 (DF-2, April 1 and 7, 2017). No samples of $PM_{2.5}$ or PM_{10} exceeded the relevant air quality criteria.

9.1.2 Dustfall Guideline

The Alberta Environment Department's recreational area dustfall guideline was exceeded in three out of 47 samples. No samples exceeded the industrial area guideline.

9.1.3 NO_2

The annual mean concentrations of NO_2 were more than 25x lower than the GN guideline of 32 ppb for the annual average.

9.1.4 Incinerator Emissions

Results from stack testing in 2017 indicated that all measured mercury concentrations were below the GN standard (20 µg / Rm^3 @ 11 % v/v O_2), and all measured total dioxin and furans concentrations were below the GN standard (80 pg TEQ / Rm^3 @ 11 % v/v O_2).

9.2 TEMPORAL AND SPATIAL TRENDS

For TSP, minimum concentrations generally occurred in winter (December – March), as in previous years. Few sample results were available for DF-1, but historically, concentrations of suspended particulates have been higher at DF-2, which is closer to the main site.

Dustfall at all stations was generally low throughout the year with few notable trends, though concentrations tended to be highest at DF-1, which is similar to previous years.

Concentrations of NO_2 were slightly lower at DF-1 compared to DF-2, likely because DF-1 is more remote. No clear trends over the year were observed.

SECTION 10 • ACTIONS

The following actions were identified for 2017, and Agnico's response to each is indicated:

- Agnico Eagle will complete additional incinerator stack testing to confirm that concentrations of dioxins and furans do not exceed regulatory limits.
    - Completed; no exceedances.

Actions identified for 2018 are:

- After being made aware of parts availability and services for units at the Meadowbank site, Agnico has started a replacement program to ensure consistency with the air sampling program. One unit was replaced in 2017, and 1 unit will be replaced, even if still in working order, yearly until all units have been replaced in 2020. This should ensure unnecessary gaps in sampling related to equipment issues are reduced to a minimum by having old units available for parts if needed and ensure sampling units meet rigorous standards.

SECTION 11 • REFERENCES

AEM, 2014. Meadowbank Gold Project Incinerator Waste Management Plan – Version 5. July, 2014.

AEM, 2012. 2011 Dust and Air Quality Monitoring Report. Meadowbank Gold Project. Prepared for Nunavut Impact Review Board.

Cumberland Resources Ltd. 2005. Meadowbank Gold Project Air Quality Impact Assessment Report.

Golder Associates Ltd. (Golder) 2008. Technical Memorandum. Addendum Report: Air Quality Monitoring Meadowbank Gold Project. Prepared for Agnico-Eagle Mines Ltd. May 16, 2008.

Rescan Environmental Services Ltd. (Rescan) 2009. Doris North Gold Mine Project: Air Quality Compliance Report for Section 4 Item 30 of the Project Certificate. Prepared for Hope Bay Mining Ltd. November, 2009.

Appendix A

Weather Data

Table -Apx 1. Daily temperature, wind speed and wind direction in 2017 at the Meadowbank site.

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
1/01/17	-32.2	-37.4	-22.5	3.19	358
1/02/17	-20.3	-22.6	-18.9	8.51	333
1/03/17	-21.7	-24.4	-19.3	6.74	318
1/04/17	-23.7	-25.6	-22.7	6.40	340
1/05/17	-25.1	-28.1	-22.8	3.02	193
1/06/17	-25.9	-32.0	-17.8	5.39	303
1/07/17	-31.8	-34.6	-28.0	4.71	305
1/08/17	-36.1	-39.7	-29.3	4.90	296
1/09/17	-37.6	-40.1	-35.6	4.42	313
1/10/17	-35.4	-38.4	-34.1	4.14	338
1/11/17	-37.4	-40.9	-34.1	2.39	300
1/12/17	-38.9	-40.8	-37.1	2.40	35
1/13/17	-38.5	-39.6	-37.5	5.16	308
1/14/17	-38.6	-40.0	-36.6	1.24	180
1/15/17	-34.3	-39.8	-31.0	1.97	290
1/16/17	-35.1	-38.1	-32.2	3.56	334
1/17/17	-27.4	-37.9	-19.7	6.37	131
1/18/17	-21.7	-29.9	-17.0	6.70	9
1/19/17	-28.0	-32.5	-22.9	3.36	65
1/20/17	-20.0	-22.9	-17.2	6.58	85
1/21/17	-18.3	-19.1	-16.9	10.59	104
1/22/17	-14.4	-18.3	-11.6	10.68	137
1/23/17	-20.4	-27.8	-11.2	7.39	318
1/24/17	-24.9	-27.8	-22.2	3.67	74
1/25/17	-20.9	-23.0	-19.8	5.14	137
1/26/17	-21.3	-25.6	-18.2	2.22	254
1/27/17	-19.3	-21.1	-18.2	2.17	5
1/28/17	-21.5	-28.8	-18.3	2.37	319
1/29/17	-29.1	-34.1	-24.4	5.42	317
1/30/17	-32.4	-33.7	-30.5	4.69	316
1/31/17	-33.6	-34.8	-32.2	6.40	312
2/01/17	-33.3	-35.1	-30.6	10.14	329
2/02/17	-32.2	-33.9	-27.6	9.61	327
2/03/17	-25.1	-27.9	-22.5	8.24	315
2/04/17	-23.7	-26.0	-22.5	8.69	321
2/05/17	-25.8	-29.0	-22.4	4.77	342
2/06/17	-28.2	-32.9	-24.9	5.57	322

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
2/07/17	-30.3	-33.5	-25.9	4.98	292
2/08/17	-29.4	-37.5	-25.3	3.98	260
2/09/17	-37.4	-38.9	-34.3	3.54	307
2/10/17	-38.9	-40.8	-35.8	0.99	203
2/11/17	-38.6	-40.8	-36.2	2.81	290
2/12/17	-38.8	-42.3	-33.9	1.92	137
2/13/17	-32.4	-37.8	-28.2	5.07	87
2/14/17	-31.5	-35.3	-29.3	4.57	26
2/15/17	-34.5	-38.5	-28.7	2.62	52
2/16/17	-26.1	-30.9	-19.9	11.45	123
2/17/17	-17.72	-20.06	-16.56	12.05	127.5
2/18/17	-18.41	-19.4	-16.82	8.49	106.9
2/19/17	-18.97	-20.61	-17.5	6.88	125.2
2/20/17	-19.54	-20.88	-17.91	2.351	98.2
2/21/17	-22.89	-27.24	-17.84	3.504	59.18
2/22/17	-22.84	-26.56	-19.67	4.691	41.46
2/23/17	-24.87	-27.44	-21.83	2.363	321
2/24/17	-22.94	-26.15	-18.65	0.935	214.2
2/25/17	-25.2	-29.13	-21.28	1.696	257.4
2/26/17	-29.8	-31.4	-28.0	3.73	329
2/27/17	-34.4	-39.0	-30.6	7.07	340
2/28/17	-38.4	-41.6	-35.4	4.98	316
3/01/17	-37.4	-40.0	-34.3	2.29	289
3/02/17	-37.6	-40.4	-34.9	2.04	264
3/03/17	-37.3	-40.4	-33.6	1.52	213
3/04/17	-34.7	-38.9	-29.7	3.78	155
3/05/17	-27.8	-34.2	-22.0	8.45	131
3/06/17	-32.0	-36.9	-25.3	2.83	198
3/07/17	-30.2	-33.5	-26.6	1.94	168
3/08/17	-35.1	-37.5	-32.1	3.78	321
3/09/17	-39.2	-40.4	-36.8	12.44	336
3/10/17	-36.5	-40.8	-33.3	8.07	312
3/11/17	-34.02	-36.71	-30.82	4.089	300.4
3/12/17	-28.95	-34.95	-23.86	2.753	281.7
3/13/17	-23.99	-28.18	-20.74	4.736	282.9
3/14/17	-22.61	-25.88	-19.68	3.442	256.5
3/15/17	-20.52	-25.07	-17.1	4.112	165.9
3/16/17	-23.46	-27.64	-20.47	4.636	357.7

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
3/17/17	-18.34	-21.29	-12.84	11.2	184.3
3/18/17	-24.91	-28.99	-19.93	12.65	291.7
3/19/17	-27.02	-31.84	-22.77	3.84	208.1
3/20/17	-27.35	-34.81	-21.42	7.593	340.8
3/21/17	-31.42	-35.08	-28.52	11.68	318.6
3/22/17	-28.28	-31.97	-24.4	4.464	272.1
3/23/17	-27.57	-32.65	-21.55	2.512	272.5
3/24/17	-29.15	-31.57	-26.89	7.214	303
3/25/17	-26.91	-30.68	-22.5	3.001	284
3/26/17	-22.6	-29.9	-15.4	4.80	144
3/27/17	-23.1	-27.1	-19.7	2.13	296
3/28/17	-22.0	-28.9	-17.3	3.55	136
3/29/17	-15.3	-19.7	-12.9	2.72	68
3/30/17	-18.1	-22.0	-13.7	5.39	31
3/31/17	-20.8	-25.5	-17.6	6.05	73
4/01/17	-22.9	-28.1	-18.5	4.67	115
4/02/17	-15.1	-19.5	-12.2	11.06	127
4/03/17	-11.3	-14.1	-8.7	9.11	133
4/04/17	-12.4	-18.5	-8.9	4.28	328
4/05/17	-14.2	-20.2	-10.3	3.33	272
4/06/17	-18.3	-25.5	-14.7	4.46	305
4/07/17	-20.1	-27.2	-13.7	6.82	107
4/08/17	-14.6	-21.2	-10.5	7.98	29
4/09/17	-21.8	-25.4	-18.7	9.22	310
4/10/17	-20.0	-24.3	-16.8	10.30	284
4/11/17	-17.4	-19.9	-15.4	11.96	308
4/12/17	-21.3	-24.5	-19.1	11.74	321
4/13/17	-23.0	-27.9	-18.6	3.82	287
4/14/17	-24.1	-28.7	-20.3	6.11	287
4/15/17	-21.5	-25.0	-18.5	7.06	315
4/16/17	-21.5	-25.5	-18.3	2.47	282
4/17/17	-19.9	-25.6	-14.9	2.93	127
4/18/17	-20.7	-22.0	-19.2	7.61	353
4/19/17	-20.0	-25.9	-15.0	3.17	254
4/20/17	-16.0	-20.9	-12.1	3.51	255
4/21/17	-16.2	-20.2	-13.2	2.19	120
4/22/17	-20.6	-24.7	-16.3	7.72	329
4/23/17	-21.1	-26.0	-19.3	5.72	322

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
4/24/17	-21.3	-28.5	-16.6	5.98	338
4/25/17	-20.2	-22.6	-16.9	4.85	289
4/26/17	-19.7	-22.8	-16.3	5.51	171
4/27/17	-14.4	-19.9	-8.3	5.28	218
4/28/17	-14.9	-22.2	-8.9	4.15	182
4/29/17	-17.9	-21.6	-14.7	7.76	317
4/30/17	-18.9	-24.4	-14.4	2.82	295
5/01/17	-18.4	-23.4	-14.9	5.20	339
5/02/17	-16.7	-19.5	-14.1	5.89	304
5/03/17	-17.6	-22.8	-13.6	6.10	312
5/04/17	-16.9	-20.1	-13.5	7.36	298
5/05/17	-18.0	-22.8	-13.9	2.10	303
5/06/17	-15.9	-19.1	-11.0	1.76	289
5/07/17	-15.6	-23.5	-10.2	1.32	151
5/08/17	-13.4	-21.0	-8.1	4.22	117
5/09/17	-8.5	-13.7	-5.3	10.50	132
5/10/17	-3.5	-6.9	-1.2	4.04	116
5/14/17	-3.3	-4.8	-0.9	5.22	344
5/15/17	-5.5	-9.9	-3.6	5.01	358
5/16/17	-9.5	-11.6	-6.4	6.95	336
5/17/17	-9.2	-12.7	-5.3	6.72	326
5/18/17	-6.9	-11.4	-1.7	3.56	298
5/19/17	-3.7	-11.4	1.8	2.24	174
5/20/17	0.5	-4.6	4.2	3.92	233
5/21/17	0.2	-2.8	3.5	3.91	33
5/22/17	0.4	-1.9	2.6	4.44	123
5/23/17	-0.6	-2.4	0.8	7.78	150
5/24/17	1.0	-1.3	2.8	7.25	127
5/25/17	1.3	0.6	2.3	6.34	97
5/26/17	1.5	0.6	2.4	7.19	102
5/27/17	2.0	-0.1	4.3	5.62	99
5/28/17	2.5	1.2	3.9	2.99	66
5/29/17	3.5	2.2	6.1	1.92	30
5/30/17	2.5	1.4	3.6	1.94	6
5/31/17	3.3	1.1	6.9	5.13	353

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
6/01/17	3.6	0.9	6.2	3.79	346
6/02/17	5.4	2.8	8.5	2.15	82
6/03/17	5.7	1.5	10.2	6.02	115
6/04/17	3.4	-0.1	7.2	7.12	130
6/05/17	2.2	0.4	5.4	6.20	167
6/06/17	5.3	1.9	8.8	3.05	29
6/07/17	3.2	1.2	5.7	11.02	77
6/08/17	3.0	1.4	6.4	10.69	345
6/09/17	3.3	0.2	7.2	5.73	334
6/10/17	4.0	1.8	7.2	4.85	348
6/11/17	5.3	-0.9	9.8	1.62	221
6/12/17	6.6	2.8	10.8	3.57	110
6/13/17	5.114	1.082	10.18	3.966	207
6/14/17	6.78	0.84	11.31	5.793	170.6
6/15/17	6.013	1.634	13.07	6.379	229
6/16/17	7.322	0.236	13.2	3.755	255.1
6/17/17	10.37	3.311	15.36	3.048	221.3
6/17/17	10.4	3.3	15.4	3.05	221
6/18/17	9.2	4.4	13.3	4.55	189
6/19/17	10.7	5.4	17.3	4.42	188
6/20/17	7.0	3.2	9.7	6.00	292
6/21/17	5.2	1.6	9.8	4.80	314
6/22/17	5.3	1.2	9.1	5.20	6
6/23/17	7.7	3.8	11.3	6.25	337
6/24/17	8.0	2.0	14.2	5.67	339
6/25/17	8.9	4.7	14.3	4.89	310
6/26/17	7.8	3.8	11.3	3.26	264
6/27/17	12.0	8.5	15.9	4.18	52
6/28/17	12.7	9.0	16.6	3.21	127
6/29/17	15.3	8.5	20.5	2.10	251
6/30/17	16.6	10.1	21.2	1.95	196
7/01/17	17.6	10.2	22.9	1.50	193
7/02/17	18.4	11.2	24.2	1.77	213
7/03/17	19.1	11.6	23.7	1.96	218
7/04/17	19.6	12.9	24.9	2.01	128
7/05/17	20.3	16.2	24.7	3.10	107
7/06/17	17.4	13.1	20.7	6.65	20
7/07/17	15.1	10.5	20.3	6.83	311

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
7/08/17	13.2	9.8	17.3	6.87	340
7/09/17	12.0	8.1	15.2	7.49	331
7/10/17	12.84	7.541	18.02	8.99	339.1
7/11/17	15.3	9.76	20.04	3.486	354.9
7/12/17	15.68	11.99	19.23	4.475	324.3
7/13/17	14.19	8.61	19.91	4.012	280.8
7/14/17	8.97	4.73	14.01	5.034	336.1
7/15/17	10.61	7.204	14.42	7.859	305.8
7/16/17	14.55	9.96	20.65	6.892	269.7
7/17/17	10.45	6.317	15.88	3.235	357.9
7/18/17	6.2	3.8	9.6	8.21	322
7/19/17	5.7	3.6	8.0	8.56	304
7/20/17	5.4	3.5	7.6	9.12	312
7/21/17	6.3	3.2	10.6	6.77	324
7/22/17	13.7	7.4	21.1	3.05	304
7/23/17	17.3	9.3	24.1	3.06	188
7/24/17	11.8	7.8	17.5	5.79	274
7/25/17	12.9	6.7	18.8	4.92	257
7/26/17	12.9	11.0	14.9	5.67	297
7/27/17	10.7	8.1	12.9	5.81	307
7/28/17	9.1	6.7	11.5	6.29	304
7/29/17	8.9	6.4	11.4	2.60	12
7/30/17	9.52	6.395	12.8	5.784	342.1
7/31/17	12.19	7.934	16.67	5.83	256.1
8/01/17	9.4	7.529	12.66	5.86	343.6
8/02/17	9.77	4.392	14.14	3.353	334.5
8/03/17	12.0	8.0	16.4	2.297	315.9
8/04/17	14.45	9.42	19.5	1.955	26.32
8/05/17	15.99	10.36	20.65	2.852	174.3
8/06/17	16.85	13.27	22.72	2.412	155.9
8/07/17	9.63	6.996	15.07	10.02	297.3
8/08/17	9.62	6.865	13.54	11.2	311.5
8/09/17	9.53	5.676	14.27	5.915	328.1
8/10/17	12.3	7.543	17.61	5.505	233.9
8/11/17	8.66	4.189	14.55	3.785	318.8
8/12/17	15.01	10.23	20.72	3.718	157.9
8/13/17	15.68	11.72	21.26	5.737	133.9
8/14/17	16.5	12.66	22.33	6.776	157

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
8/15/17	18.64	14.14	26.49	2.789	209.8
8/16/17	13.94	10.9	15.79	4.554	13.95
8/17/17	11.09	8.88	13.54	5.202	102.8
8/18/17	10.9	8.74	13.13	5.213	125.1
8/19/17	10.66	7.007	14.01	3.616	109.4
8/20/17	10.88	9.22	13.74	6.166	114.1
8/21/17	11.1	8.47	15.34	7.283	103
8/22/17	11.11	5.946	16.13	3.222	61.21
8/23/17	12.26	7.141	17.34	2.367	303.4
8/24/17	13.95	8.81	19.03	3.102	230.7
8/25/17	15.18	8.74	22.47	4.387	158.9
8/26/17	16.77	11.99	22.06	6.071	160.9
8/27/17	15.04	12.39	19.23	6.973	153.2
8/28/17	9.14	4.73	12.59	7.644	293.1
8/29/17	4.171	2.5	7.004	7.115	346.1
8/30/17	3.982	1.757	7.008	7.054	319.5
8/31/17	9.56	2.703	16.94	3.577	199.5
9/01/17	12.07	9.28	16.68	5.348	174.9
9/02/17	11.05	7.664	13.34	5.879	48.48
9/03/17	6.5	2.4	10.6	8.47	26
9/04/17	6.1	1.4	11.5	7.98	8
9/05/17	5.5	1.1	11.0	5.11	341
9/06/17	6.2	4.1	8.5	4.76	326
9/07/17	6.4	4.3	9.6	3.32	113
9/08/17	8.9	6.3	11.2	6.83	173
9/09/17	13.5	10.0	20.9	8.03	204
9/10/17	2.9	0.0	11.2	9.21	322
9/11/17	2.6	-0.9	5.5	4.00	109
9/12/17	4.9	3.2	7.6	7.87	34
9/13/17	3.8	0.2	7.7	5.29	16
9/14/17	4.1	0.5	8.5	1.87	94
9/15/17	3.7	1.8	6.4	3.75	306
9/16/17	5.2	0.2	9.1	5.00	232
9/17/17	7.3	5.3	10.4	3.51	306
9/18/17	8.8	4.9	15.3	6.43	171
9/19/17	6.0	4.2	9.4	5.15	153
9/20/17	6.2	3.0	10.2	2.69	152
9/21/17	6.0	4.9	7.4	3.14	115

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
9/22/17	3.2	0.6	5.5	4.22	55
9/23/17	2.3	-1.7	4.7	4.23	3
9/24/17	-1.2	-3.5	0.8	3.26	322
9/25/17	1.6	-1.9	4.9	2.28	297
9/26/17	2.9	-0.4	5.7	4.20	142
9/27/17	5.9	4.1	9.0	5.94	153
9/28/17	3.7	-0.4	5.7	6.47	185
9/29/17	-0.4	-1.5	0.6	5.63	298
9/30/17	2.1	-0.5	5.5	9.43	221
10/01/17	-2.6	-4.4	-0.3	6.78	24
10/02/17	-0.5	-3.6	3.5	8.24	138
10/03/17	-0.1	-2.3	3.9	8.75	291
10/04/17	-3.3	-5.4	-0.9	12.35	294
10/05/17	-4.6	-6.2	-3.2	15.23	302
10/06/17	-4.3	-6.7	-2.1	11.22	318
10/07/17	-6.2	-7.7	-4.6	3.41	21
10/08/17	-5.0	-8.4	-1.6	4.33	66
10/09/17	-6.1	-7.5	-4.8	5.31	26
10/10/17	-7.5	-9.54	-5.308	4.464	357.9
10/11/17	-8.0	-10.01	-5.375	4.717	319.4
10/12/17	-5.5	-6.863	-4.429	4.656	230.3
10/13/17	-3.3	-5.375	-1.464	3.166	196
10/14/17	-8.4	-10.1	-3.9	8.15	348
10/15/17	-10.9	-12.9	-9.4	7.39	333
10/16/17	-12.4	-14.3	-10.1	3.36	118
10/17/17	-11.0	-13.7	-8.7	1.47	293
10/18/17	-9.5	-12.4	-8.3	2.57	125
10/19/17	-5.1	-9.1	-2.9	6.33	148
10/20/17	-7.1	-8.9	-5.2	5.02	169
10/21/17	-3.4	-6.7	-1.3	10.44	152
10/22/17	-0.9	-2.1	0.4	10.10	134
10/23/17	-2.2	-4.7	0.3	6.50	323
10/24/17	-7.4	-10.6	-4.6	16.76	323
10/25/17	-14.2	-15.7	-10.4	6.83	307
10/26/17	-15.8	-19.4	-13.4	1.43	318
10/27/17	-16.0	-20.1	-13.3	2.73	79
10/28/17	-20.5	-23.5	-16.0	2.61	343
10/29/17	-19.5	-23.9	-15.0	1.45	35

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
10/30/17	-16.7	-18.5	-14.9	1.89	325
10/31/17	-17.8	-22.4	-15.1	3.03	347
11/01/17	-19.6	-22.7	-18.5	6.02	349
11/02/17	-20.1	-22.0	-18.1	8.95	312
11/03/17	-19.1	-21.0	-17.7	7.57	273
11/04/17	-16.9	-19.8	-13.9	5.20	225
11/05/17	-14.8	-16.1	-14.1	3.89	109
11/06/17	-15.1	-21.4	-12.8	6.61	163
11/07/17	-24.3	-26.8	-21.4	6.55	315
11/08/17	-26.1	-27.9	-24.3	7.38	323
11/09/17	-27.5	-28.7	-25.8	6.63	322
11/10/17	-27.7	-30.4	-22.9	2.99	201
11/11/17	-19.4	-23.0	-16.8	6.26	108
11/12/17	-17.4	-24.0	-12.1	4.74	338
11/13/17	-15.2	-17.7	-13.7	3.44	331
11/14/17	-18.3	-20.3	-14.8	2.96	344
11/15/17	-22.4	-26.4	-19.0	5.44	306
11/16/17	-23.9	-26.8	-20.7	4.66	274
11/17/17	-21.6	-24.5	-19.6	4.89	195
11/18/17	-13.3	-20.2	-6.3	9.35	98
11/19/17	-6.3	-7.3	-5.6	9.56	80
11/20/17	-8.4	-11.8	-6.3	7.37	45
11/21/17	-7.9	-11.2	-4.3	6.85	5
11/22/17	-13.1	-17.9	-9.7	14.37	317
11/23/17	-19.4	-20.2	-17.7	13.59	304
11/24/17	-16.8	-19.3	-13.7	6.89	325
11/25/17	-12.4	-14.4	-11.2	3.08	12
11/26/17	-15.0	-20.1	-11.6	5.51	296
11/27/17	-18.6	-22.2	-14.4	4.44	292
11/28/17	-17.5	-20.0	-13.9	5.18	289
11/29/17	-19.1	-23.2	-16.4	4.98	282
11/30/17	-17.7	-20.6	-15.9	3.17	264
12/01/17	-17.1	-20.3	-15.6	1.41	232
12/02/17	-21.2	-27.0	-17.6	1.44	209
12/03/17	-23.3	-27.9	-18.3	2.14	63
12/04/17	-21.9	-24.7	-18.5	4.92	323
12/05/17	-21.9	-26.3	-17.9	4.70	321
12/06/17	-17.1	-18.3	-15.7	2.74	339

Date	Average Temperature (°C)	Minimum Temperature (°C)	Maximum Temperature (°C)	Average Wind Speed (m/s)	Average Wind Direction (deg.)
12/07/17	-18.4	-21.8	-16.8	3.89	152
12/08/17	-21.9	-26.2	-19.1	7.24	333
12/09/17	-22.3	-23.9	-20.1	9.55	315
12/10/17	-25.9	-28.0	-21.3	7.83	309
12/11/17	-26.9	-29.4	-23.3	4.81	308
12/12/17	-27.5	-30.4	-23.6	8.69	305
12/13/17	-29.4	-30.6	-27.0	2.05	289
12/14/17	-24.3	-27.9	-20.5	2.97	310
12/15/17	-26.0	-31.2	-20.7	2.39	337
12/16/17	-29.4	-31.6	-26.4	1.02	329
12/17/17	-28.6	-31.8	-26.3	0.28	277
12/18/17	-27.4	-30.4	-25.5	0.03	112
12/19/17	-28.2	-31.0	-26.7	0.09	328
12/20/17	-31.5	-33.8	-29.3	2.06	291
12/21/17	-33.6	-34.7	-29.7	3.27	290
12/22/17	-34.2	-35.4	-33.0	1.50	87
12/23/17	-34.9	-37.4	-32.6	5.47	343
12/24/17	-36.0	-37.6	-34.1	8.28	347
12/25/17	-33.1	-35.2	-31.0	8.38	342
12/26/17	-34.5	-35.8	-31.4	4.13	319
12/27/17	-33.9	-35.8	-30.2	0.88	75
12/28/17	-31.7	-34.7	-29.4	1.81	325
12/29/17	-34.1	-36.4	-32.1	1.27	261
12/30/17	-28.3	-36.0	-22.5	5.21	277
12/31/17	-28.0	-32.0	-23.7	8.23	310

Appendix B

2017 Laboratory Certificates

Maxxam
A Bureau Veritas Group Company

Success Through Science®

Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: FEB/MAR 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/04/07
Report #: R2367274
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B722807
Received: 2017/03/29, 14:23

Sample Matrix: Filter
Samples Received: 29

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	29	N/A	2017/04/07	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Levi Manchak
Project Manager
07 Apr 2017 15:25:08

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B722807
Report Date: 2017/04/07

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		QU3978	QU3979	QU3980	QU3981	QU3982		
Sampling Date		2017/02/18	2017/02/24	2017/03/02	2017/03/08	2017/03/14		
	UNITS	PM2.5 RP16055	PM2.5 RP85916	PM2.5 RP16046	PM2.5 RP9906	PM2.5 RP15522	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	11	16	13	9	14	3	8598832
RDL = Reportable Detection Limit								

Maxxam ID		QU3983	QU3984	QU3985	QU3986	QU3987		
Sampling Date		2017/02/18	2017/02/24	2017/03/02	2017/03/08	2017/03/14		
	UNITS	PM2.5 RP16048	PM2.5 RP89946	PM2.5 RP90013	PM2.5 RP54430	PM2.5 RP1126	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	193	60	68	108	10	3	8598832
RDL = Reportable Detection Limit								

Maxxam ID		QU3993	QU3994	QU3995	QU3996	QU3997		
Sampling Date		2017/02/18	2017/02/24	2017/03/02	2017/03/08	2017/03/14		
	UNITS	PM10 RP17880	PM10 RP27477	PM10 RP22018	PM10 RP 1104	PM10 RP16058	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	73	35	115	123	17	3	8598832
RDL = Reportable Detection Limit								

Maxxam ID		QU3998	QU3999	QU4000	QU4001	QU4002		
Sampling Date		2017/02/18	2017/02/24	2017/03/02	2017/03/08	2017/03/14		
	UNITS	PM10 RP16505	PM10 RP84087	PM10 RP14316	PM10 RP20697	PM10 RP25519	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	125	26	31	59	9	3	8598832
RDL = Reportable Detection Limit								

Maxxam ID		QU4008	QU4009	QU4010	QU4011	QU4012	QU4013		
Sampling Date		2017/02/12	2017/02/18	2017/02/24	2017/03/02	2017/03/08	2017/03/14		
	UNITS	TSP RP28677	TSP RP10078	TSP RP15485	TSP RP925	TSP RP10332	TSP RP1094	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	203	325	269	229	83	318	3	8598832
RDL = Reportable Detection Limit									

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Maxxam Job #: B722807
Report Date: 2017/04/07

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		QU4014	QU4018	QU4019		
Sampling Date		2017/03/20				
	UNITS	**TSP RP17876**	**TRAVEL BLANK 17823**	**LAB BLANK**	**RDL**	**QC Batch**
PM2.5/10						
Particulate Matter	ug/filter	82	6	<3	3	8598832
RDL = Reportable Detection Limit						

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Maxxam Job #: B722807
Report Date: 2017/04/07

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Sample QU3995 [PM10 RP22018] : Some samples received to the Lab damaged:
-small tears RP090013, RP15522, RP15485
- bigger tears RP16058, RP22018, RP14316
-very dark in color RP16048, RP28677
-with visible water stain RP01094

Results relate only to the items tested.

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Maxxam Job #: B722807
Report Date: 2017/04/07

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Linda Lin, Supervisor, Centre for Passive Sampling Technology

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Success Through Science®

Your P.O. #: 576765
Your Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/04/07
Report #: R2367014
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B722801
Received: 2017/03/29, 14:15

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/04/06	2017/04/06		PTC SOP-00180
Total & Fixed Dustfall	4	2017/04/06	2017/04/06	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/04/06	2017/04/06	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

==========

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Maxxam Job #: B722801
Report Date: 2017/04/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		QU3968	QU3969	QU3970	QU3971		
Sampling Date		2017/02/18	2017/02/18	2017/02/18	2017/02/18		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	28	28	28	28	1	8597713
Dustfall Determination							
Total Dustfall	mg	6	7	17	4	1	8597710
Total Dustfall (30 day)	mg/cm2/30day	0.079	0.087	0.220	0.047	0.001	8597711
Total Fixed Dustfall	mg	5	7	16	4	1	8597710
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.071	0.087	0.213	0.047	0.001	8597711
RDL = Reportable Detection Limit							

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B722801
Report Date: 2017/04/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B722801
Report Date: 2017/04/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8597710	IK2	Method Blank	Total Dustfall	2017/04/06	<1		mg	
			Total Fixed Dustfall	2017/04/06	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B722801
Report Date: 2017/04/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Linda Lin, Supervisor, Centre for Passive Sampling Technology

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Success Through Science®

Your P.O. #: 576765
Your Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/04/26
Report #: R2374140
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B730350
Received: 2017/04/25, 11:16

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/04/26	2017/04/26	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

==========

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B730350
Report Date: 2017/04/26

Agnico Eagle Mines Ltd.
Client Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		QX9553	QX9554	QX9555		
Sampling Date		2017/03/18 13:55	2017/03/18 12:40			
	UNITS	NO2: 1	NO2: 2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.7	1.2	0.2	0.1	8612348
RDL = Reportable Detection Limit						

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Maxxam Job #: B730350
Report Date: 2017/04/26

Agnico Eagle Mines Ltd.
Client Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B730350
Report Date: 2017/04/26

Agnico Eagle Mines Ltd.
Client Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8612348	IK2	Spiked Blank	Calculated NO2	2017/04/26		100	%	90 - 110
8612348	IK2	Method Blank	Calculated NO2	2017/04/26	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Maxxam Job #: B730350
Report Date: 2017/04/26

Agnico Eagle Mines Ltd.
Client Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/05/01
Report #: R2375625
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B730354
Received: 2017/04/25, 11:21

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/04/28	2017/04/28		PTC SOP-00180
Total & Fixed Dustfall	4	2017/04/28	2017/04/28	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/04/28	2017/04/28	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
==========

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Maxxam Job #: B730354
Report Date: 2017/05/01

Agnico Eagle Mines Ltd.
Client Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		QX9577	QX9578	QX9579	QX9580		
Sampling Date		2017/03/18	2017/03/18	2017/03/18	2017/03/18		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	29	29	29	29	1	8615443
Dustfall Determination							
Total Dustfall	mg	21	10	7	2	1	8615440
Total Dustfall (30 day)	mg/cm2/30day	0.266	0.122	0.091	0.030	0.001	8615441
Total Fixed Dustfall	mg	21	10	7	2	1	8615440
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.266	0.122	0.091	0.030	0.001	8615441
RDL = Reportable Detection Limit							

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B730354
Report Date: 2017/05/01

Agnico Eagle Mines Ltd.
Client Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B730354
Report Date: 2017/05/01

Agnico Eagle Mines Ltd.
Client Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8615440	IK2	Method Blank	Total Dustfall	2017/04/28	<1		mg	
			Total Fixed Dustfall	2017/04/28	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B730354
Report Date: 2017/05/01

Agnico Eagle Mines Ltd.
Client Project #: 2017/03/18 - 2017/04/16
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Levi Manchak, Project Manager

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Maxxam
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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: MAR/APR 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/05/03
Report #: R2377397
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B730358
Received: 2017/04/25, 11:26

Sample Matrix: Filter
Samples Received: 24

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	24	N/A	2017/05/03	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B730358
Report Date: 2017/05/03

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		QX9608	QX9609	QX9610	QX9611	QX9612		
Sampling Date		2017/03/26	2017/04/01	2017/04/07	2017/04/13	2017/04/17		
	UNITS	PM2.5 RP89459	PM2.5 RP16041	PM2.5 RP9947	PM2.5 RP15157	PM2.5 RP79489	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	15	21	11	5	5	3	8619481
RDL = Reportable Detection Limit								

Maxxam ID		QX9613	QX9614	QX9615	QX9616	QX9618		
Sampling Date		2017/03/20	2017/03/26	2017/04/01	2017/04/07	2017/03/26		
	UNITS	PM2.5 RP10346	PM2.5 RP92734	PM2.5 RP9917	PM2.5 RP15506	PM10 RP29758	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	69	92	139	56	26	3	8619481
RDL = Reportable Detection Limit								

Maxxam ID		QX9619	QX9620	QX9621	QX9622	QX9623		
Sampling Date		2017/04/01	2017/04/07	2017/04/13	2017/04/17	2017/03/20		
	UNITS	PM10 RP10081	PM10 RP15540	PM10 RP44277	PM10 RP53690	PM10 RP15277	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	9	125	326	97	151	3	8619481
RDL = Reportable Detection Limit								

Maxxam ID		QX9624	QX9625	QX9626	QX9628	QX9629	QX9630		
Sampling Date		2017/03/26	2017/04/01	2017/04/07	2017/03/26	2017/04/01	2017/04/07		
	UNITS	PM10 RP54425	PM10 RP28688	PM10 RP16052	TSP RP15236	TSP RP10304	TSP RP89982	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	235	90	45	664	8020	3590	3	8619481
RDL = Reportable Detection Limit									

Maxxam ID		QX9631	QX9635	QX9636		
Sampling Date		2017/04/13				
	UNITS	TSP RP16045	TRAVEL BLANK 82054	LAB BLANK	RDL	QC Batch
PM2.5/10						
Particulate Matter	ug/filter	1970	<3	<3	3	8619481
RDL = Reportable Detection Limit						

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Maxxam Job #: B730358
Report Date: 2017/05/03

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Sample QX9628 [TSP RP15236] : Notes on COC indicate sample damaged.

Sample QX9629 [TSP RP10304] : TSP RP10304 (QX9629) and TSP RP89982 (QX9630) received to the Lab with visible particulate on filter. SS

Results relate only to the items tested.

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Maxxam Job #: B730358
Report Date: 2017/05/03

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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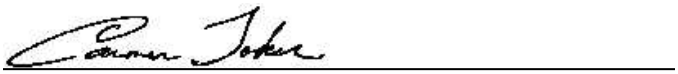

Carmen Toker, CT, Manager Air Laboratory Services

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Your P.O. #: 576765
Your Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/05/30
Report #: R2389650
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B740550
Received: 2017/05/26, 09:56

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/05/30	2017/05/30	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B740550
Report Date: 2017/05/30

Agnico Eagle Mines Ltd.
Client Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		RD2607	RD2608	RD2609		
Sampling Date		2017/04/16 17:15	2017/04/16 10:15			
	UNITS	NO2: 1	NO2: 2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.2	0.6	0.2	0.1	8645092
RDL = Reportable Detection Limit						

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Maxxam Job #: B740550
Report Date: 2017/05/30

Agnico Eagle Mines Ltd.
Client Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B740550
Report Date: 2017/05/30

Agnico Eagle Mines Ltd.
Client Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8645092	IK2	Spiked Blank	Calculated NO2	2017/05/30		107	%	90 - 110
8645092	IK2	Method Blank	Calculated NO2	2017/05/30	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B740550
Report Date: 2017/05/30

Agnico Eagle Mines Ltd.
Client Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/05/30
Report #: R2389651
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B740555
Received: 2017/05/26, 09:59

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/05/30	2017/05/30		PTC SOP-00180
Total & Fixed Dustfall	4	2017/05/30	2017/05/30	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/05/30	2017/05/30	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
==========

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Maxxam Job #: B740555
Report Date: 2017/05/30

Agnico Eagle Mines Ltd.
Client Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		RD2618	RD2619	RD2620	RD2621		
Sampling Date		2017/04/16	2017/04/16	2017/04/16	2017/04/16		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	32	32	35	35	1	8645891
Dustfall Determination							
Total Dustfall	mg	29	13	19	15	1	8645888
Total Dustfall (30 day)	mg/cm2/30day	0.337	0.152	0.202	0.157	0.001	8645889
Total Fixed Dustfall	mg	28	12	18	14	1	8645888
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.324	0.138	0.189	0.151	0.001	8645889
RDL = Reportable Detection Limit							

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B740555
Report Date: 2017/05/30

Agnico Eagle Mines Ltd.
Client Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B740555
Report Date: 2017/05/30

Agnico Eagle Mines Ltd.
Client Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8645888	IK2	Method Blank	Total Dustfall	2017/05/30	<1		mg	
			Total Fixed Dustfall	2017/05/30	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B740555
Report Date: 2017/05/30

Agnico Eagle Mines Ltd.
Client Project #: 2017/04/16 - 2017/05/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Success Through Science®

Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: MAY/JUN 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/06/19
Report #: R2399185
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B745557
Received: 2017/06/09, 09:31

Sample Matrix: Filter
Samples Received: 27

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	27	N/A	2017/06/16	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

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Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B745557
Report Date: 2017/06/19

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		RG1343	RG1344	RG1345	RG1346	RG1347		
Sampling Date		2017/04/25	2017/05/01	2017/05/07	2017/05/13	2017/04/13		
	UNITS	PM2.5 RP10325	PM2.5 RP2880	PM2.5 RP1096	PM2.5 RP884	PM2.5 RP23778	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	7	<3	16	20	51	3	8666277
RDL = Reportable Detection Limit								

Maxxam ID		RG1348	RG1349	RG1350	RG1351	RG1352		
Sampling Date		2017/04/19	2017/04/25	2017/05/01	2017/05/07	2017/05/13		
	UNITS	PM2.5 RP15156	PM2.5 RP89937	PM2.5 RP893	PM2.5 RP22665	PM2.5 RP96182	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	31	81	63	46	43	3	8666277
RDL = Reportable Detection Limit								

Maxxam ID		RG1353	RG1354	RG1355	RG1356	RG1357	RG1358		
Sampling Date		2017/04/25	2017/05/01	2017/05/07	2017/05/13	2017/04/13	2017/04/19		
	UNITS	PM10 RP1153	PM10 RP1134	PM10 RP16049	PM10 RP4238	PM10 RP83735	PM10 RP27518	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	11	261	128	221	35	22	3	8666277
RDL = Reportable Detection Limit									

Maxxam ID		RG1359	RG1360	RG1361	RG1362	RG1363	RG1364		
Sampling Date		2017/04/25	2017/05/01	2017/05/07	2017/05/13	2017/04/19	2017/04/25		
	UNITS	PM10 RP20636	PM10 RP85911	PM10 RP27516	PM10 RP90581	TSP RP90546	TSP RP10069	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	24	39	92	48	472	329	3	8666277
RDL = Reportable Detection Limit									

Maxxam ID		RG1365	RG1366	RG1381	RG1382	RG1383		
Sampling Date		2017/05/01	2017/05/07	2017/05/13				
	UNITS	TSP RP14336	TSP RP10344	TSP RP28643	TRAVEL BLANK RP15531	LAB BLANK	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	380	692	419	4	4	3	8666277
RDL = Reportable Detection Limit								

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B745557
Report Date: 2017/06/19

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B745557
Report Date: 2017/06/19

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/06/28
Report #: R2404430
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B751339
Received: 2017/06/26, 13:04

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/06/28	2017/06/28	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

==========

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B751339
Report Date: 2017/06/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		RJ4240	RJ4241	RJ4242		
Sampling Date		2017/05/18	2017/05/18			
	UNITS	NO2: EMR	NO2: FGL	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.8	1.8	<0.1	0.1	8678198
RDL = Reportable Detection Limit						

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Maxxam Job #: B751339
Report Date: 2017/06/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B751339
Report Date: 2017/06/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8678198	IK2	Spiked Blank	Calculated NO2	2017/06/28		103	%	90 - 110
8678198	IK2	Method Blank	Calculated NO2	2017/06/28	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B751339
Report Date: 2017/06/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/06/29
Report #: R2404894
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B751338
Received: 2017/06/26, 13:01

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/06/29	2017/06/29		PTC SOP-00180
Total & Fixed Dustfall	4	2017/06/29	2017/06/29	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/06/29	2017/06/29	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
==========

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B751338
Report Date: 2017/06/29

Agnico Eagle Mines Ltd.
Client Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		RJ4227	RJ4228	RJ4229	RJ4230		
Sampling Date		2017/05/18	2017/05/18	2017/05/21	2017/05/21		
	UNITS	**1**	**2**	**3**	**4**	**RDL**	**QC Batch**
Industrial							
Exposure	days	32	32	29	29	1	8679564
Dustfall Determination							
Total Dustfall	mg	100	34	41	14	1	8679561
Total Dustfall (30 day)	mg/cm2/30day	1.150	0.393	0.514	0.182	0.001	8679562
Total Fixed Dustfall	mg	41	11	11	13	1	8679561
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.475	0.131	0.142	0.160	0.001	8679562
RDL = Reportable Detection Limit							

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B751338
Report Date: 2017/06/29

Agnico Eagle Mines Ltd.
Client Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B751338
Report Date: 2017/06/29

Agnico Eagle Mines Ltd.
Client Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8679561	IK2	Method Blank	Total Dustfall	2017/06/29	<1		mg	
			Total Fixed Dustfall	2017/06/29	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B751338
Report Date: 2017/06/29

Agnico Eagle Mines Ltd.
Client Project #: 2017/05/18 - 2017/06/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/07/31
Report #: R2420704
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B761852
Received: 2017/07/26, 09:35

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/07/28	2017/07/31	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761852
Report Date: 2017/07/31

Agnico Eagle Mines Ltd.
Client Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		RP0350	RP0351	RP0352		
Sampling Date		2017/06/19 15:45	2017/06/19 13:40			
	UNITS	NO2-1	NO2-2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	2.9	0.4	0.1	0.1	8709329
RDL = Reportable Detection Limit						

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761852
Report Date: 2017/07/31

Agnico Eagle Mines Ltd.
Client Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761852
Report Date: 2017/07/31

Agnico Eagle Mines Ltd.
Client Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8709329	SS6	Spiked Blank	Calculated NO2	2017/07/28		92	%	90 - 110
8709329	SS6	Method Blank	Calculated NO2	2017/07/28	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761852
Report Date: 2017/07/31

Agnico Eagle Mines Ltd.
Client Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: MAY/JUN 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/08/01
Report #: R2421446
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B761857
Received: 2017/07/26, 09:41

Sample Matrix: Filter
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	12	N/A	2017/07/31	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B761857
Report Date: 2017/08/01

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		RP0362	RP0363	RP0370	RP0371	RP0372		
Sampling Date		2017/05/20	2017/06/07	2017/06/13	2017/06/19	2017/06/25		
	UNITS	PM2.5 RP27805	PM2.5 RP23780	PM2.5 RP10332	PM2.5 RP16505	PM2.5 RP16058	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	3	9	3	5	<3	3	8711489
RDL = Reportable Detection Limit								

Maxxam ID		RP0378	RP0379	RP0380	RP0381	RP0382		
Sampling Date		2017/05/20	2017/06/07	2017/06/13	2017/06/19	2017/06/25		
	UNITS	PM10 RP16082	PM10 RP1094	PM10 RP82055	PM10 RP16046	PM10 RP15522	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	245	379	205	258	173	3	8711489
RDL = Reportable Detection Limit								

Maxxam ID		RP0393	RP0394		
Sampling Date					
	UNITS	TRAVEL BLANK RP22020	LAB BLANK	RDL	QC Batch
PM2.5/10					
Particulate Matter	ug/filter	7	5	3	8711489
RDL = Reportable Detection Limit					

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761857
Report Date: 2017/08/01

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761857
Report Date: 2017/08/01

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Your P.O. #: 576765
Your Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/08/01
Report #: R2421862
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B761855
Received: 2017/07/26, 09:38

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/08/01	2017/08/01		PTC SOP-00180
Total & Fixed Dustfall	4	2017/08/01	2017/08/01	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/08/01	2017/08/01	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761855
Report Date: 2017/08/01

Agnico Eagle Mines Ltd.
Client Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		RP0356	RP0357	RP0358	RP0359		
Sampling Date		2017/06/19	2017/06/19	2017/06/19	2017/06/19		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	30	30	30	30	1	8713408
Dustfall Determination							
Total Dustfall	mg	16	31	17	17	1	8713405
Total Dustfall (30 day)	mg/cm2/30day	0.198	0.382	0.213	0.213	0.001	8713406
Total Fixed Dustfall	mg	9	13	14	15	1	8713405
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.110	0.154	0.169	0.184	0.001	8713406
RDL = Reportable Detection Limit							

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761855
Report Date: 2017/08/01

Agnico Eagle Mines Ltd.
Client Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761855
Report Date: 2017/08/01

Agnico Eagle Mines Ltd.
Client Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8713405	OZ	Method Blank	Total Dustfall	2017/08/01	<1		mg	
			Total Fixed Dustfall	2017/08/01	<1		mg	
8713405	OZ	RPD [RP0356-01]	Total Dustfall		3.8		%	N/A
			Total Fixed Dustfall		0		%	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B761855
Report Date: 2017/08/01

Agnico Eagle Mines Ltd.
Client Project #: 2017/06/19 - 2017/07/19
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Maxxam
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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: MAY/JUN/JUL 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/09/13
Report #: R2443124
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B775433
Received: 2017/09/05, 09:50

Sample Matrix: Filter
Samples Received: 37

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	37	N/A	2017/09/13	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

==========

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Maxxam Job #: B775433
Report Date: 2017/09/13

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		RW7071	RW7072	RW7073	RW7074	RW7075		
Sampling Date		2017/05/19	2017/05/25	2017/07/06	2017/07/12	2017/07/18		
	UNITS	PM2.5 RP880	PM2.5 RP1110	PM2.5 RP16554	PM2.5 RP15501	PM2.5 RP27804	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	58	63	26	83	15	3	8756404
RDL = Reportable Detection Limit								

Maxxam ID		RW7076	RW7077	RW7078	RW7079	RW7080	RW7084		
Sampling Date		2017/07/24	2017/07/30	2017/06/30	2017/07/06	2017/07/12	2017/07/18		
	UNITS	PM2.5 RP910	PM2.5 RP16055	PM10 RP1104	PM10 RP14316	PM10 RP79489	PM10 RP1108	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	27	83	161	266	456	248	3	8756404
RDL = Reportable Detection Limit									

Maxxam ID		RW7085	RW7086	RW7087	RW7088	RW7089		
Sampling Date		2017/07/24	2017/07/30	2017/08/05	2017/05/19	2017/05/25		
	UNITS	PM10 RP85941	PM10 RP29758	PM10 RP84367	PM10 RP4250	PM10 RP27477	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	148	91	224	60	230	3	8756404
RDL = Reportable Detection Limit								

Maxxam ID		RW7090	RW7091	RW7092	RW7093	RW7094	RW7095		
Sampling Date		2017/07/06	2017/07/12	2017/07/18	2017/07/24	2017/07/30	2017/05/19		
	UNITS	PM10 RP20697	PM10 RP27582	PM10 RP17823	PM10 RP932	PM10 RP10079	TSP RP16056	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	215	71	22	39	988	546	3	8756404
RDL = Reportable Detection Limit									

Maxxam ID		RW7096	RW7097	RW7098	RW7099	RW7100	RW7101	RW7102		
Sampling Date		2017/05/25	2017/07/06	2017/07/12	2017/07/18	2017/07/24	2017/07/30			
	UNITS	TSP RP872	TSP RP17814	TSP RP925	TSP RP25519	TSP RP89946	TSP RP9906	LAB BLANK	RDL	QC Batch
PM2.5/10										
Particulate Matter	ug/filter	427	541	74	41	55	231	<3	3	8756404
RDL = Reportable Detection Limit										

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Maxxam Job #: B775433
Report Date: 2017/09/13

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		RW7103		RW7104	RW7105	RW7106		
Sampling Date								
	UNITS	TRAVEL BLANK RP27773	QC Batch	PM2.5 RP22202	PM2.5 RP10077	PM2.5 RP15480	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	5	8756404	11	10	12	3	8756405
RDL = Reportable Detection Limit								

Maxxam ID		RW7119	RW7120	RW7121	RW7122		
Sampling Date							
	UNITS	PM2.5 RP86125	PM2.5 RP1111	PM2.5 RP28689	PM2.5 RP15488	RDL	QC Batch
PM2.5/10							
Particulate Matter	ug/filter	10	8	6	11	3	8756405
RDL = Reportable Detection Limit							

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Maxxam Job #: B775433
Report Date: 2017/09/13

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B775433
Report Date: 2017/09/13

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/09/08
Report #: R2440900
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B775724
Received: 2017/09/06, 08:58

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/09/08	2017/09/08		PTC SOP-00180
Total & Fixed Dustfall	4	2017/09/08	2017/09/08	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/09/08	2017/09/08	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
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Maxxam Job #: B775724
Report Date: 2017/09/08

Agnico Eagle Mines Ltd.
Client Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		RW9044	RW9045	RW9046	RW9047		
Sampling Date		2017/07/19	2017/07/19	2017/07/19	2017/07/19		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	35	35	35	35	1	8751887
Dustfall Determination							
Total Dustfall	mg	13	28	8	17	1	8751884
Total Dustfall (30 day)	mg/cm2/30day	0.139	0.296	0.082	0.183	0.001	8751885
Total Fixed Dustfall	mg	9	<1	7	16	1	8751884
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.094	<0.001	0.076	0.170	0.001	8751885
RDL = Reportable Detection Limit							

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Maxxam Job #: B775724
Report Date: 2017/09/08

Agnico Eagle Mines Ltd.
Client Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

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Maxxam Job #: B775724
Report Date: 2017/09/08

Agnico Eagle Mines Ltd.
Client Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8751884	IK2	Method Blank	Total Dustfall	2017/09/08	<1		mg	
			Total Fixed Dustfall	2017/09/08	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Maxxam Job #: B775724
Report Date: 2017/09/08

Agnico Eagle Mines Ltd.
Client Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/09/07
Report #: R2440307
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B775427
Received: 2017/09/05, 09:43

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/09/06	2017/09/07	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B775427
Report Date: 2017/09/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		RW7059	RW7060	RW7061		
Sampling Date		2017/07/19 16:21	2017/07/19 17:45			
	UNITS	NO2-1	NO2-2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.6	0.6	0.1	0.1	8748862
RDL = Reportable Detection Limit						

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Maxxam Job #: B775427
Report Date: 2017/09/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

GENERAL COMMENTS

Results relate only to the items tested.

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Maxxam Job #: B775427
Report Date: 2017/09/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8748862	IK2	Spiked Blank	Calculated NO2	2017/09/06		101	%	90 - 110
8748862	IK2	Method Blank	Calculated NO2	2017/09/06	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Maxxam Job #: B775427
Report Date: 2017/09/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/07/19 - 2017/08/23
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

VALIDATION SIGNATURE PAGE

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Your P.O. #: 576765
Your Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/10/03
Report #: R2453857
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B783728
Received: 2017/09/27, 10:47

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/09/29	2017/10/03	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B783728
Report Date: 2017/10/03

Agnico Eagle Mines Ltd.
Client Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		SB2927	SB2928	SB2929		
Sampling Date		2017/08/23 11:10	2017/08/23 11:35			
	UNITS	NO2-1	NO2-2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.9	3.6	<0.1	0.1	8775246
RDL = Reportable Detection Limit						

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Maxxam Job #: B783728
Report Date: 2017/10/03

Agnico Eagle Mines Ltd.
Client Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B783728
Report Date: 2017/10/03

Agnico Eagle Mines Ltd.
Client Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8775246	SS6	Spiked Blank	Calculated NO2	2017/09/29		97	%	90 - 110
8775246	SS6	Method Blank	Calculated NO2	2017/09/29	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Maxxam Job #: B783728
Report Date: 2017/10/03

Agnico Eagle Mines Ltd.
Client Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

VALIDATION SIGNATURE PAGE

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Your P.O. #: 576765
Your Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/10/03
Report #: R2453849
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B783735
Received: 2017/09/27, 10:52

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/10/03	2017/10/03		PTC SOP-00180
Total & Fixed Dustfall	4	2017/10/03	2017/10/03	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/10/03	2017/10/03	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

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Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
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Maxxam Job #: B783735
Report Date: 2017/10/03

Agnico Eagle Mines Ltd.
Client Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		SB2951	SB2952	SB2953	SB2954		
Sampling Date		2017/08/23 11:10	2017/08/23 11:35	2017/08/23 10:00	2017/08/23 10:20		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	28	28	28	28	1	8780215
Dustfall Determination							
Total Dustfall	mg	13	7	6	8	1	8780212
Total Dustfall (30 day)	mg/cm2/30day	0.165	0.094	0.079	0.110	0.001	8780213
Total Fixed Dustfall	mg	10	7	5	7	1	8780212
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.126	0.087	0.063	0.087	0.001	8780213
RDL = Reportable Detection Limit							

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Maxxam Job #: B783735
Report Date: 2017/10/03

Agnico Eagle Mines Ltd.
Client Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B783735
Report Date: 2017/10/03

Agnico Eagle Mines Ltd.
Client Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8780212	OZ	Method Blank	Total Dustfall	2017/10/03	<1		mg	
			Total Fixed Dustfall	2017/10/03	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B783735
Report Date: 2017/10/03

Agnico Eagle Mines Ltd.
Client Project #: 2017/08/23 - 2017/09/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: MAY/JUN/JUL 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/10/02
Report #: R2453144
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B784329
Received: 2017/09/28, 11:23

Sample Matrix: Filter
Samples Received: 36

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	36	N/A	2017/10/02	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B784329
Report Date: 2017/10/02

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		SB5653	SB5654	SB5655	SB5656	SB5657		
Sampling Date		2017/08/11	2017/08/17	2017/08/23	2017/08/29	2017/09/04		
	UNITS	PM2.5 RP14336	PM2.5 RP90582	PM2.5 RP21384	PM2.5 RP16077	PM2.5 RP89982	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	8	8	9	13	10	3	8778086
RDL = Reportable Detection Limit								

Maxxam ID		SB5658	SB5659	SB5660	SB5661	SB5662		
Sampling Date		2017/09/10	2017/09/16	2017/08/11	2017/08/17	2017/08/23		
	UNITS	PM2.5 RP22197	PM2.5 RP29749	PM10 RP15326	PM10 RP17830	PM10 RP53332	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	<3	8	458	451	167	3	8778086
RDL = Reportable Detection Limit								

Maxxam ID		SB5663	SB5664	SB5665	SB5666	SB5667		
Sampling Date		2017/08/29	2017/09/04	2017/09/10	2017/09/16	2017/08/05		
	UNITS	PM10 RP28644	PM10 RP54425	PM10 RP22200	PM10 RP28643	PM10 RP22893	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	126	136	390	183	52	3	8778086
RDL = Reportable Detection Limit								

Maxxam ID		SB5668	SB5669	SB5670	SB5671	SB5672	SB5673		
Sampling Date		2017/08/11	2017/08/17	2017/08/23	2017/08/29	2017/09/04	2017/09/10		
	UNITS	PM10 RP15506	PM10 RP50778	PM10 RP1582	PM10 RP15067	PM10 RP15541	PM10 RP893	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	156	69	42	230	188	7	3	8778086
RDL = Reportable Detection Limit									

Maxxam ID		SB5674	SB5675	SB5676	SB5677	SB5678	SB5679		
Sampling Date		2017/08/05	2017/08/11	2017/08/17	2017/08/23	2017/08/29	2017/09/04		
	UNITS	TSP RP28670	TSP RP53690	TSP RP87504	TSP RP908	TSP RP72309	TSP RP22621	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	426	521	189	96	339	324	3	8778086
RDL = Reportable Detection Limit									

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B784329
Report Date: 2017/10/02

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		SB5681	SB5682		SB5683	SB5684		
Sampling Date					2017/08/05	2017/08/11		
	UNITS	LAB BLANK	TRAVEL BLANK RP16082	QC Batch	PM2.5 RP22215	PM2.5 RP882	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	<3	5	8778086	60	91	3	8778087
RDL = Reportable Detection Limit								

Maxxam ID		SB5685	SB5686	SB5687	SB5688	SB5689		
Sampling Date		2017/08/17	2017/08/23	2017/08/29	2017/09/04	2017/09/10		
	UNITS	PM2.5 RP76202	PM2.5 RP92734	PM2.5 RP84087	PM2.5 RP85916	PM2.5 RP10325	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	54	18	36	52	26	3	8778087
RDL = Reportable Detection Limit								

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Maxxam Job #: B784329
Report Date: 2017/10/02

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B784329
Report Date: 2017/10/02

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/11/07
Report #: R2473027
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B797036
Received: 2017/11/01, 10:02

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/11/03	2017/11/07	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

==========

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Maxxam Job #: B797036
Report Date: 2017/11/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		SJ3904	SJ3905	SJ3906		
Sampling Date		2017/09/20 11:10	2017/09/20 15:00			
	UNITS	NO2-1	NO2-2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.5	1.3	0.4	0.1	8817963
RDL = Reportable Detection Limit						

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Maxxam Job #: B797036
Report Date: 2017/11/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B797036
Report Date: 2017/11/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8817963	SS6	Spiked Blank	Calculated NO2	2017/11/03		94	%	90 - 110
8817963	SS6	Method Blank	Calculated NO2	2017/11/03	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B797036
Report Date: 2017/11/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/11/06
Report #: R2472606
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B797039
Received: 2017/11/01, 10:05

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/11/06	2017/11/06		PTC SOP-00180
Total & Fixed Dustfall	4	2017/11/06	2017/11/06	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/11/06	2017/11/06	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
==========
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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B797039
Report Date: 2017/11/06

Agnico Eagle Mines Ltd.
Client Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		SJ3910	SJ3915	SJ3916	SJ3917		
Sampling Date		2017/09/20	2017/09/20	2017/09/20	2017/09/20		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	30	30	30	30	1	8820490
Dustfall Determination							
Total Dustfall	mg	80	14	13	12	2	8820487
Total Dustfall (30 day)	mg/cm2/30day	0.977	0.175	0.162	0.141	0.002	8820488
Total Fixed Dustfall	mg	76	12	11	4	2	8820487
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.926	0.143	0.132	0.042	0.002	8820488
RDL = Reportable Detection Limit							

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B797039
Report Date: 2017/11/06

Agnico Eagle Mines Ltd.
Client Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B797039
Report Date: 2017/11/06

Agnico Eagle Mines Ltd.
Client Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8820487	YL6	Method Blank	Total Dustfall	2017/11/06	<1		mg	
			Total Fixed Dustfall	2017/11/06	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B797039
Report Date: 2017/11/06

Agnico Eagle Mines Ltd.
Client Project #: 2017/09/20 - 2017/10/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: SEPT/OCT 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/11/10
Report #: R2475023
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B797043
Received: 2017/11/01, 10:07

Sample Matrix: Filter
Samples Received: 26

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	26	N/A	2017/11/07	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

==========

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Maxxam Job #: B797043
Report Date: 2017/11/10

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		SJ3922	SJ3923	SJ3924	SJ3925	SJ3926		
Sampling Date		2017/09/22	2017/09/28	2017/10/04	2017/10/10	2017/10/16		
	UNITS	PM2.5 RP15532	PM2.5 RP1134	PM2.5 RP23778	PM2.5 RP930	PM2.5 RP10344	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	4	<3	<3	<3	3	3	8821620
RDL = Reportable Detection Limit								

Maxxam ID		SJ3927	SJ3928	SJ3929	SJ3930	SJ3931		
Sampling Date		2017/09/16	2017/09/22	2017/09/28	2017/10/04	2017/10/10		
	UNITS	PM2.5 RP4252	PM2.5 RP10069	PM2.5 RP90546	PM2.5 RP1093	PM2.5 RP902	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	38	31	189	10	27	3	8821620
RDL = Reportable Detection Limit								

Maxxam ID		SJ3932	SJ3933	SJ3934	SJ3935	SJ3936		
Sampling Date		2017/09/22	2017/09/28	2017/10/04	2017/10/10	2017/10/16		
	UNITS	PM10 RP27276	PM10 RP9924	PM10 RP23775	PM10 RP1116	PM10 RP28688	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	37	70	<3	38	40	3	8821620
RDL = Reportable Detection Limit								

Maxxam ID		SJ3937	SJ3938	SJ3939	SJ3940	SJ3941		
Sampling Date		2017/09/16	2017/09/22	2017/09/28	2017/10/04	2017/10/16		
	UNITS	PM10 RP17880	PM10 RP90561	PM10 RP96182	PM10 RP19592	PM10 RP20646	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	215	105	687	101	81	3	8821620
RDL = Reportable Detection Limit								

Maxxam ID		SJ3942	SJ3943	SJ3944	SJ3945	SJ3949	SJ3950		
Sampling Date		2017/09/10	2017/09/28	2017/10/04	2017/10/10				
	UNITS	TSP RP82070	TSP RP13064	TSP RP916	TSP RP20571	LAB BLANK	TRAVEL BLANK RP907	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	165	283	83	<3	<3	<3	3	8821620
RDL = Reportable Detection Limit									

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B797043
Report Date: 2017/11/10

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B797043
Report Date: 2017/11/10

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/12/07
Report #: R2488104
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B7A7361
Received: 2017/12/04, 12:52

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/12/06	2017/12/07	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B7A7361
Report Date: 2017/12/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		SP5310	SP5311	SP5312		
Sampling Date		2017/10/20 10:25	2017/10/20 08:50			
	UNITS	NO2-1	NO2-2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.7	1.7	0.5	0.1	8853232
RDL = Reportable Detection Limit						

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B7A7361
Report Date: 2017/12/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B7A7361
Report Date: 2017/12/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8853232	SS6	Spiked Blank	Calculated NO2	2017/12/06		95	%	90 - 110
8853232	SS6	Method Blank	Calculated NO2	2017/12/06	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B7A7361
Report Date: 2017/12/07

Agnico Eagle Mines Ltd.
Client Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/12/11
Report #: R2489555
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B7A7363
Received: 2017/12/04, 12:57

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/12/11	2017/12/11		PTC SOP-00180
Total & Fixed Dustfall	4	2017/12/11	2017/12/11	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/12/11	2017/12/11	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
==========

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B7A7363
Report Date: 2017/12/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		SP5343	SP5344	SP5345	SP5346		
Sampling Date		2017/10/20	2017/10/20	2017/10/20	2017/10/20		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	29	29	29	29	1	8858679
Dustfall Determination							
Total Dustfall	mg	53	17	18	9	2	8858676
Total Dustfall (30 day)	mg/cm2/30day	0.669	0.213	0.228	0.109	0.002	8858677
Total Fixed Dustfall	mg	48	11	13	4	2	8858676
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.608	0.137	0.167	0.049	0.002	8858677
RDL = Reportable Detection Limit							

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Maxxam Job #: B7A7363
Report Date: 2017/12/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B7A7363
Report Date: 2017/12/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8858676	YL6	Method Blank	Total Dustfall	2017/12/11	<1		mg	
			Total Fixed Dustfall	2017/12/11	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B7A7363
Report Date: 2017/12/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/10/20 - 2017/11/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: OCT/NOV 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/12/12
Report #: R2490232
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B7A7365
Received: 2017/12/04, 12:59

Sample Matrix: Filter
Samples Received: 34

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	34	N/A	2017/12/12	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B7A7365
Report Date: 2017/12/12

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		SP5369	SP5370	SP5371	SP5372	SP5373		
Sampling Date		2017/10/22	2017/10/28	2017/11/03	2017/11/09	2017/11/15		
	UNITS	PM2.5 RP15533	PM2.5 RP27513	PM2.5 RP28543	PM2.5 RP54430	PM2.5 RP883	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	<3	7	<3	3	9	3	8860019
RDL = Reportable Detection Limit								

Maxxam ID		SP5374	SP5375	SP5376	SP5377	SP5378		
Sampling Date		2017/11/21	2017/10/16	2017/10/22	2017/10/28	2017/11/03		
	UNITS	PM2.5 RP58031	PM2.5 RP892	PM2.5 RP15546	PM2.5 RP881	PM2.5 RP16058	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	30	29	46	23	30	3	8860019
RDL = Reportable Detection Limit								

Maxxam ID		SP5379	SP5380	SP5381	SP5382	SP5383		
Sampling Date		2017/11/09	2017/11/15	2017/10/22	2017/10/28	2017/11/03		
	UNITS	PM2.5 RP14087	PM2.5 RP91301	PM10 RP54448	PM10 RP4234	PM10 RP1103	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	21	38	41	97	44	3	8860019
RDL = Reportable Detection Limit								

Maxxam ID		SP5384	SP5385	SP5386	SP5387	SP5388		
Sampling Date		2017/11/09	2017/11/15	2017/11/21	2017/10/22	2017/10/28		
	UNITS	PM10 RP89943	PM10 RP23776	PM10 RP82055	PM10 RP16044	PM10 RP10078	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	59	73	99	82	54	3	8860019
RDL = Reportable Detection Limit								

Maxxam ID		SP5389	SP5390	SP5391	SP5392	SP5440	SP5441		
Sampling Date		2017/11/03	2017/11/09	2017/11/15	2017/11/21	2017/11/03	2017/11/09		
	UNITS	PM10 RP1089	PM10 RP9926	PM10 RP20582	PM10 RP22214	TSP RP16066	TSP RP27515	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	17	7	5	24	65	87	3	8860019
RDL = Reportable Detection Limit									

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Maxxam Job #: B7A7365
Report Date: 2017/12/12

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		SP5442	SP5443	SP5444	SP5445		SP5446	SP5447		
Sampling Date		2017/11/15	2017/11/21	2017/11/03	2017/11/09		2017/11/15	2017/11/21		
	UNITS	TSP RP16072	TSP RP89459	TSP RP27805	TSP RP22020	QC Batch	TSP 1128	TSP RP890	RDL	QC Batch
PM2.5/10										
Particulate Matter	ug/filter	41	189	533	129	8860019	315	297	3	8860020
RDL = Reportable Detection Limit										

Maxxam ID		SP5448	SP5449		
Sampling Date					
	UNITS	LAB BLANK	TRAVEL BLANK RP925	RDL	QC Batch
PM2.5/10					
Particulate Matter	ug/filter	<3	5	3	8860020
RDL = Reportable Detection Limit					

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B7A7365
Report Date: 2017/12/12

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B7A7365
Report Date: 2017/12/12

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: NOV/DEC 2017
Site Location: BAKER LAKE, NU

Attention: MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2018/01/11
Report #: R2500887
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B800470
Received: 2018/01/03, 12:40

Sample Matrix: Filter
Samples Received: 30

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	30	N/A	2018/01/10	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B800470
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		ST3865	ST3866	ST3867	ST3868	ST3869		
Sampling Date		2017/11/27	2017/12/03	2017/12/09	2017/12/15	2017/12/21		
	UNITS	PM2.5 RP10348	PM2.5 RP18674	PM2.5 RP15488	PM2.5 RP90577	PM2.5 RP10346	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	9	9	8	<3	<3	3	8881150
RDL = Reportable Detection Limit								

Maxxam ID		ST3870	ST3871	ST3872	ST3873	ST3874		
Sampling Date		2017/11/21	2017/11/27	2017/12/03	2017/12/09	2017/12/15		
	UNITS	PM2.5 RP15032	PM2.5 RP2877	PM2.5 RP15504	PM2.5 RP85914	PM2.5 RP27288	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	20	6	19	22	49	3	8881150
RDL = Reportable Detection Limit								

Maxxam ID		ST3877	ST3878	ST3879	ST3880	ST3881	ST3882		
Sampling Date		2017/11/29	2017/12/03	2017/12/09	2017/12/15	2017/12/21	2017/11/27		
	UNITS	PM10 RP929	PM10 RP76199	PM10 RP10077	PM10 RP14316	PM10 RP16055	PM10 RP9918	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	47	11	40	16	33	10	3	8881150
RDL = Reportable Detection Limit									

Maxxam ID		ST3883	ST3884	ST3885	ST3886	ST3889	ST3890		
Sampling Date		2017/12/03	2017/12/09	2017/12/15	2017/12/21	2017/11/27	2017/12/03		
	UNITS	PM10 RP16046	PM10 RP15522	PM10 RP1153	PM10 RP17875	TSP RP4250	TSP RP15480	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	12	10	9	10	30	12	3	8881150
RDL = Reportable Detection Limit									

Maxxam ID		ST3891	ST3892	ST3893	ST3894	ST3895	ST3896		
Sampling Date		2017/12/09	2017/12/15	2017/12/21	2017/11/27	2017/12/03	2017/12/09		
	UNITS	TSP RP89946	TSP RP29758	TSP RP40117	TSP RP16505	TSP RP10332	TSP RP1125	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	56	29	54	90	84	69	3	8881150
RDL = Reportable Detection Limit									

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Maxxam Job #: B800470
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		ST3897		ST3898		
Sampling Date						
	UNITS	LAB BLANK	QC Batch	TRAVEL BLANK RP90581	RDL	QC Batch
PM2.5/10						
Particulate Matter	ug/filter	<3	8881150	8	3	8881156
RDL = Reportable Detection Limit						

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800470
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800470
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Your P.O. #: 576765
Your Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU

Attention: MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2018/01/11
Report #: R2500879
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B800438
Received: 2018/01/03, 11:57

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2018/01/05	2018/01/05		PTC SOP-00180
Total & Fixed Dustfall	4	2018/01/05	2018/01/05	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2018/01/05	2018/01/05	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
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Maxxam Job #: B800438
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		ST3712	ST3713	ST3714	ST3715		
Sampling Date		2017/11/18	2017/11/18	2017/11/18	2017/11/18		
	UNITS	**1**	**2**	**3**	**4**	**RDL**	**QC Batch**
Industrial							
Exposure	days	32	32	32	32	1	8878466
Dustfall Determination							
Total Dustfall	mg	3	5	10	6	1	8878463
Total Dustfall (30 day)	mg/cm2/30day	0.032	0.062	0.110	0.064	0.001	8878464
Total Fixed Dustfall	mg	1	4	8	2	1	8878463
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.016	0.048	0.090	0.024	0.001	8878464
RDL = Reportable Detection Limit							

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800438
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800438
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8878463	YL6	Method Blank	Total Dustfall	2018/01/05	<1		mg	
			Total Fixed Dustfall	2018/01/05	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800438
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

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Your P.O. #: 576765
Your Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU

Attention: MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2018/01/11
Report #: R2500925
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B800436
Received: 2018/01/03, 11:54

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2018/01/05	2018/01/11	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800436
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		ST3707	ST3708	ST3709		
Sampling Date		2017/11/18 10:27	2017/11/18 09:40			
	UNITS	NO2-1	NO2-2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.6	2.4	0.3	0.1	8877901
RDL = Reportable Detection Limit						

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800436
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800436
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8877901	YL6	Spiked Blank	Calculated NO2	2018/01/05		108	%	90 - 110
8877901	YL6	Method Blank	Calculated NO2	2018/01/05	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B800436
Report Date: 2018/01/11

Agnico Eagle Mines Ltd.
Client Project #: 2017/11/18 - 2017/12/20
Site Location: BAKER LAKE, NU
Your P.O. #: 576765
Sampler Initials: PA

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Maxxam
A Bureau Veritas Group Company

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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: DEC 2016/JAN 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/01/30
Report #: R2339362
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B705184
Received: 2017/01/24, 12:49

Sample Matrix: Filter
Samples Received: 29

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	29	N/A	2017/01/30	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

==========

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Maxxam Job #: B705184
Report Date: 2017/01/30

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		QL2013	QL2014	QL2015	QL2016	QL2017		
Sampling Date		2016/12/08	2016/12/14	2016/12/20	2016/12/26	2016/12/08		
	UNITS	PM2.5 RP12397	PM2.5 RP98002	PM2.5 RP96713	PM2.5 RP2883	PM2.5 RP87482	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	4	6	6	7	90	3	8540404
RDL = Reportable Detection Limit								

Maxxam ID		QL2018	QL2019	QL2020	QL2021	QL2024	QL2025		
Sampling Date		2016/12/14	2016/12/20	2016/12/26	2017/01/01	2016/12/08	2016/12/14		
	UNITS	PM2.5 RP54412	PM2.5 RP839	PM2.5 RP27277	PM2.5 RP1088	PM10 RP878	PM10 RP89535	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	124	51	56	69	6	86	3	8540404
RDL = Reportable Detection Limit									

Maxxam ID		QL2026	QL2027	QL2028	QL2029	QL2030		
Sampling Date		2016/12/20	2016/12/26	2016/12/08	2016/12/14	2016/12/20		
	UNITS	PM10 RP27587	PM10 RP90576	PM10 RP1110	PM10 RP83499	PM10 RP17815	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	70	56	40	54	16	3	8540404
RDL = Reportable Detection Limit								

Maxxam ID		QL2031	QL2032	QL2035	QL2036	QL2037	QL2038		
Sampling Date		2016/12/26	2017/01/01	2016/12/08	2016/12/14	2016/12/20	2016/12/26		
	UNITS	PM10 RP22026	PM10 RP15114	TSP RP1152	TSP RP22212	TSP RP9908	TSP RP15519	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	11	28	108	62	73	72	3	8540404
RDL = Reportable Detection Limit									

Maxxam ID		QL2039	QL2040	QL2041	QL2042	QL2043	QL2088		
Sampling Date		2017/01/01	2016/12/08	2016/12/14	2016/12/20	2016/12/26	2017/01/01		
	UNITS	TSP RP22019	TSP RP16555	TSP RP93456	TSP RP1115	TSP RP87498	TSP RP22021	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	85	90	67	79	107	92	3	8540404
RDL = Reportable Detection Limit									

Maxxam ID		QL2045		
Sampling Date				
	UNITS	LAB BLANK	RDL	QC Batch
PM2.5/10				
Particulate Matter	ug/filter	<3	3	8540407
RDL = Reportable Detection Limit				

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Maxxam Job #: B705184
Report Date: 2017/01/30

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

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Maxxam Job #: B705184
Report Date: 2017/01/30

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/01/30
Report #: R2338991
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B705190
Received: 2017/01/24, 13:07

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/01/27	2017/01/27		PTC SOP-00180
Total & Fixed Dustfall	4	2017/01/27	2017/01/27	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/01/27	2017/01/27	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
==========

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Maxxam Job #: B705190
Report Date: 2017/01/30

Agnico Eagle Mines Ltd.
Client Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		QL2163	QL2164	QL2165	QL2166		
Sampling Date		2016/12/10	2016/12/10	2016/12/10	2016/12/10		
	UNITS	1	2	3	4	RDL	QC Batch
Industrial							
Exposure	days	35	35	35	35	1	8539179
Dustfall Determination							
Total Dustfall	mg	3	4	10	2	1	8539175
Total Dustfall (30 day)	mg/cm2/30day	0.034	0.044	0.109	0.025	0.001	8539177
Total Fixed Dustfall	mg	3	4	10	2	1	8539175
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.034	0.044	0.109	0.025	0.001	8539177
RDL = Reportable Detection Limit							

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Maxxam Job #: B705190
Report Date: 2017/01/30

Agnico Eagle Mines Ltd.
Client Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B705190
Report Date: 2017/01/30

Agnico Eagle Mines Ltd.
Client Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8539175	IK2	Method Blank	Total Dustfall	2017/01/27	<1		mg	
			Total Fixed Dustfall	2017/01/27	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Maxxam Job #: B705190
Report Date: 2017/01/30

Agnico Eagle Mines Ltd.
Client Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/01/27
Report #: R2338689
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B705192
Received: 2017/01/24, 13:09

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	2	2017/01/27	2017/01/27	PTC SOP-00148	Passive NO2 in ATM
Raw NO2 Passive Analysis	1	2017/01/27	2017/01/27	PTC SOP-00148	Tang Passive NO2 in

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Maxxam Job #: B705192
Report Date: 2017/01/27

Agnico Eagle Mines Ltd.
Client Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		QL2193	QL2194		QL2195	
Sampling Date		2016/12/10 14:08	2016/12/10 13:26			
	UNITS	NO2: 1	NO2: 2	RDL	NO2: BLANK	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.8	2.2	0.1		8538400
NO2	ppm				0.07	8538439
RDL = Reportable Detection Limit						

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Maxxam Job #: B705192
Report Date: 2017/01/27

Agnico Eagle Mines Ltd.
Client Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B705192
Report Date: 2017/01/27

Agnico Eagle Mines Ltd.
Client Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8538400	IK2	Spiked Blank	Calculated NO2	2017/01/27		99	%	90 - 110
8538400	IK2	Method Blank	Calculated NO2	2017/01/27	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Maxxam Job #: B705192
Report Date: 2017/01/27

Agnico Eagle Mines Ltd.
Client Project #: 2016/12/10 - 2017/01/14
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Your P.O. #: 576765
Your Project #: PM2.5/10/TSP
Site#: JAN/FEB 2017
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/02/28
Report #: R2350793
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B713859
Received: 2017/02/27, 08:21

Sample Matrix: Filter
Samples Received: 42

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mass Determination(ug/filter)	42	N/A	2017/02/28	PTC SOP-00151	EPA 2.12 Monitoring

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

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Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B713859
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		QP6393	QP6394	QP6395	QP6396	QP6397		
Sampling Date		2017/01/01	2017/01/07	2017/01/13	2017/01/19	2017/01/25		
	UNITS	PM2.5 RP10072	PM2.5 RP89937	PM2.5 RP16061	PM2.5 RP22024	PM2.5 RP84094	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	26	36	16	13	18	3	8564434
RDL = Reportable Detection Limit								

Maxxam ID		QP6398	QP6399	QP6400	QP6402	QP6403		
Sampling Date		2017/01/31	2017/02/06	2017/02/12	2017/01/07	2017/01/13		
	UNITS	PM2.5 RP96182	PM2.5 RP82054	PM2.5 RP1123	PM2.5 RP1106	PM2.5 RP1107	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	22	24	24	102	64	3	8564434
RDL = Reportable Detection Limit								

Maxxam ID		QP6404	QP6405	QP6406	QP6407	QP6408		
Sampling Date		2017/01/19	2017/01/25	2017/01/31	2017/02/06	2017/02/12		
	UNITS	PM2.5 RP27516	PM2.5 RP20571	PM2.5 RP880	PM2.5 RP22665	PM2.5 RP85911	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	64	168	97	55	100	3	8564434
RDL = Reportable Detection Limit								

Maxxam ID		QP6409	QP6410	QP6411	QP6412	QP6413		
Sampling Date		2017/01/01	2017/01/07	2017/01/13	2017/01/19	2017/01/25		
	UNITS	PM10 RP15501	PM10 RP9940	PM10 RP27804	PM10 RP 16564	PM10 RP76324	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	66	255	41	79	84	3	8564434
RDL = Reportable Detection Limit								

Maxxam ID		QP6414	QP6415	QP6416	QP6418	QP6419		
Sampling Date		2017/01/31	2017/02/06	2017/02/12	2017/01/07	2017/01/13		
	UNITS	PM10 RP22201	PM10 RP27582	PM10 RP1130	PM10 RP10067	PM10 RP20636	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	157	100	71	38	22	3	8564434
RDL = Reportable Detection Limit								

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Maxxam Job #: B713859
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF FILTER

Maxxam ID		QP6421	QP6451	QP6452		QP6453	QP6454		
Sampling Date		2017/01/19	2017/01/25	2017/01/31		2017/02/06	2017/02/12		
	UNITS	PM10 RP28690	PM10 RP15517	PM10 RP893	QC Batch	PM10 RP90540	PM10 RP914	RDL	QC Batch
PM2.5/10									
Particulate Matter	ug/filter	42	112	37	8564434	36	38	3	8564435
RDL = Reportable Detection Limit									

Maxxam ID		QP6455	QP6477	QP6478	QP6479	QP6481	QP6482	QP6483		
Sampling Date		2017/01/07	2017/01/13	2017/01/19	2017/01/25	2017/01/07	2017/01/13	2017/01/19		
	UNITS	TSP RP91098	TSP RP15512	TSP RP2876	TSP RP15521	TSP RP1093	TSP RP10348	TSP RP1145	RDL	QC Batch
PM2.5/10										
Particulate Matter	ug/filter	139	49	73	51	148	90	101	3	8564435
RDL = Reportable Detection Limit										

Maxxam ID		QP6484	QP6485	QP6486	QP6487	QP6495		
Sampling Date		2017/01/25	2017/01/31	2017/02/06				
	UNITS	TSP RP15495	TSP RP1127	TSP RP10308	TRAVEL BLANK 90581	LAB BLANK	RDL	QC Batch
PM2.5/10								
Particulate Matter	ug/filter	62	154	198	14	3	3	8564435
RDL = Reportable Detection Limit								

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Maxxam Job #: B713859
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Sample QP6399 [PM2.5 RP82054] : PM2.5 RP82054 (QP6399) received to the Lab with small hole on filter. SS

Sample QP6481 [TSP RP1093] : TSP RP1093 (QP6481) received to the Lab with a hole in filter. SS

Results relate only to the items tested.

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Maxxam Job #: B713859
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: PM2.5/10/TSP
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Success Through Science®

Your P.O. #: 576765
Your Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/02/28
Report #: R2350782
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B713855
Received: 2017/02/27, 08:17

Sample Matrix: Air
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall-mg/cm2/30 days	4	2017/02/28	2017/02/28		PTC SOP-00180
Total & Fixed Dustfall	4	2017/02/28	2017/02/28	PTC SOP-00180	AMD 32020
Exposure (Number of days)	4	2017/02/28	2017/02/28	PTC SOP-00146 PTC SOP-00154 PTC SOP-00180	

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

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Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536
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Maxxam Job #: B713855
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		QP6384		QP6385	QP6386	QP6387		
Sampling Date		2017/01/14		2017/01/14	2017/01/14	2017/01/14		
	UNITS	1	RDL	2	3	4	RDL	QC Batch
Industrial								
Exposure	days	35	1	35	35	35	1	8564618
Dustfall Determination								
Total Dustfall	mg	36	2	13	8	4	1	8564615
Total Dustfall (30 day)	mg/cm2/30day	0.378	0.002	0.139	0.088	0.038	0.001	8564616
Total Fixed Dustfall	mg	35	2	13	8	3	1	8564615
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.367	0.002	0.132	0.082	0.031	0.001	8564616
RDL = Reportable Detection Limit								

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B713855
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

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Maxxam Job #: B713855
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8564615	IK2	Method Blank	Total Dustfall	2017/02/28	<1		mg	
			Total Fixed Dustfall	2017/02/28	<1		mg	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Maxxam Job #: B713855
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Linda Lin, Supervisor, Centre for Passive Sampling Technology

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Maxxam
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Your P.O. #: 576765
Your Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/02/28
Report #: R2350751
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B713852
Received: 2017/02/27, 08:12

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	2	2017/02/27	2017/02/28	PTC SOP-00148	Passive NO2 in ATM
NO2 Passive Analysis (1)	1	2017/02/28	2017/02/28	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B713852
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		QP6364	QP6365	QP6366		
Sampling Date		2017/01/14 12:45	2017/01/14 10:20	2017/01/14		
	UNITS	NO2: 1	NO2: 2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	0.7	3.2	0.4	0.1	8563532
RDL = Reportable Detection Limit						

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Maxxam Job #: B713852
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics Edmonton: 6744 - 50th Street T6B 3M9 Telephone(780) 378-8500 FAX(780) 378-8699

Maxxam Job #: B713852
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8563532	IK2	Spiked Blank	Calculated NO2	2017/02/27		101	%	90 - 110
8563532	IK2	Method Blank	Calculated NO2	2017/02/27	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Maxxam Job #: B713852
Report Date: 2017/02/28

Agnico Eagle Mines Ltd.
Client Project #: 2017/01/14 - 2017/02/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

VALIDATION SIGNATURE PAGE

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Linda Lin, Supervisor, Centre for Passive Sampling Technology

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Your P.O. #: 576765
Your Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU

Attention:MEADOWBANK ENVIRONMENT

Agnico Eagle Mines Ltd.
Meadowbank Division
10200, Route du Preissac
Rouyn-Noranda, QC
CANADA J0Y 1C0

Report Date: 2017/03/31
Report #: R2364295
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B722798
Received: 2017/03/29, 14:12

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis (1)	3	2017/03/31	2017/03/31	PTC SOP-00148	Passive NO2 in ATM

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) The detection limit is based on a 30 day sampling period.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager
Email: LManchak@maxxam.ca
Phone# (780)468-3536

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Maxxam Job #: B722798
Report Date: 2017/03/31

Agnico Eagle Mines Ltd.
Client Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		QU3958	QU3959	QU3960		
Sampling Date		2017/02/18 13:30	2017/02/18 12:48	2017/02/18		
	UNITS	NO2: 1	NO2: 2	NO2: BLANK	RDL	QC Batch
Passive Monitoring						
Calculated NO2	ppb	<0.1	0.4	0.9	0.1	8592106
RDL = Reportable Detection Limit						

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Maxxam Job #: B722798
Report Date: 2017/03/31

Agnico Eagle Mines Ltd.
Client Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

GENERAL COMMENTS

Results relate only to the items tested.

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Maxxam Job #: B722798
Report Date: 2017/03/31

Agnico Eagle Mines Ltd.
Client Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
8592106	IK2	Spiked Blank	Calculated NO2	2017/03/31		101	%	90 - 110
8592106	IK2	Method Blank	Calculated NO2	2017/03/31	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

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Maxxam Job #: B722798
Report Date: 2017/03/31

Agnico Eagle Mines Ltd.
Client Project #: 2017/02/18 - 2017/03/18
Site Location: BAKER LAKE, NU
Your P.O. #: 576765

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