

MEMORANDUM

TO	Dawn MacNeil, STPA	FILE NO.	S-1258-02
FROM	Dianne Theriault	SHIFT:	1230 to 1645
TEL	(902) 539-3012	CC:	Shawn Bernon, STPA Wilfred Kaiser, STPA Terry Smith, ALL-TECH
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DATE	9 th January, 2009	STPA NO.	COCW-0033

**SUBJECT: 8th January, 2009, Real-time Air Monitoring Results
Sydney Tar Ponds Agency – Coke Ovens Vertical Cutoff Walls
FINAL REPORT**

Attached is a summary of Real-time particulate (as PM₁₀) results for air monitoring performed on the 8th of January, 2009. Colin MacIsaac and Alison Giovannetti of ALL-TECH Environmental Services Cape Breton Limited (ALL-TECH), performed all air monitoring activities.

Weather conditions on the day of sampling:

- Cloudy with strong winds
- Temperature: approximately 5°C
- Wind Direction: Southwest

Comments: *ALL-TECH was on-Site at 1230 and background monitoring began at 1300, as there was no on site activity.*

All downwind and upwind measurements of PM₁₀ were below the established Site Action Level for this parameter of 155 µg/m³.

All downwind and upwind measurements of Total Volatile Organic Compounds (TVOC) were below the established Site Action Level for this parameter of 0.66 ppm. Each measurement is the average of a 15 minute sample. A minimum of 2 samples were taken downwind and 1 sample upwind every hour. All measurements were found to be below the detection limit of the instrument. Levels above detection limit will be noted in the table below.

Due to operational criteria, during periods of precipitation (snow and rain) and high humidity, TVOC sampling is halted and resumes after the precipitation has ended.

This report has been prepared by Alison Giovannetti and reviewed by Dianne Theriault. If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,



Dianne Theriault, B.Tech
Environmental Technologist
ALL-TECH Environmental Services Cape Breton Ltd.

Copied via e-mail:

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Real-time Airborne PM₁₀ Concentration Results
Sydney Tar Ponds Agency – Coke Ovens Vertical Cutoff Walls
8th January, 2008

Sample No. & Air Monitoring Location	Time of Day	PM ₁₀ Action Level (µg/m ³)	Average Result (µg/m ³)	Wind Direction	Relative Position	Description of Activity	Observations that may affect sample
1 120m Southwest of intersection at Spar and Spar Rd. ext	1300	155	7	Southwest	Upwind	Background	No observations seen to affect sampling integrity
2 120m Southwest of intersection at Spar and Spar Rd. ext	1400	155	1	Southwest	Upwind	Background	No observations seen to effect sampling integrity
3 120m Southwest of intersection at Spar and Spar Rd. ext	1500	155	2	Southwest	Upwind	Background	No observations seen to effect sampling integrity
4 120m Southwest of intersection at Spar and Spar Rd. ext	1600	155	4	Southwest	Upwind	Background	No observations seen to affect sampling integrity

Notes: Air sample duration for each monitoring event was 15 minutes.

VOC Monitoring

Monitoring Method	Yes	No
Sustained Odours Observed		●
P.I.D. Required	●	