



MEMORANDUM

To: Dawn MacNeil

CC: Jerome MacNeil; Donnie Burke; Geoff Verner; Ellen Gushue; Peter Weaver; Barbara Mattie

From: Kathleen Whelan

Date: July 13, 2011

Subject: Odour Monitoring Daily Report; July 12, 2011

Weather Conditions	Overcast
Precipitation	Periods of rain
Wind Direction	South / South West
Wind Speed	Varied between 13 - 24 km/h
Temperature	16 C - 17 C

Four rounds of monitoring were conducted today with no quantifiable site-related odours detected.

Please find attached:

- Odour Monitoring Data Sheets for July 12, 2011
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: July 12, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
7:40	11								X		
7:49	12								X		
7:54	13							X		706	Vehicle exhaust odour on SPAR
8:00	14								X		
8:05	15								X		
8:09	16								X		
8:17	17								X		
8:24	1							X		406	Not site related-fresh cut grass
8:28	2								X		
9:20	3								X		
9:26	4								X		
9:31	5								X		
9:36	6								X		
9:41	7								X		
9:46	8								X		
9:50	9							X		722,202	Faint site odour
9:56	10								X		

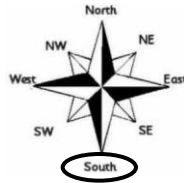
Weather Conditions

- Mostly Sunny
- Partly Cloudy
- Mostly Cloudy
- Overcast
- Hazy

Precipitation

- None
- Fog
- Rain
- Sleet
- Snow

Wind Direction (Blowing From)



Wind Speed

- Calm
- Light Breeze (1 – 8 km/h)
- Moderate Wind (8 – 25 km/h)
- Strong Winds (25 km/h or higher)

Temperature: 16 °C Relative Humidity: 88 % Barometric Pressure: 100.70 kPa

Notes: _____

Date Signed: July 12, 2011

Name: Kathleen Whelan

Signature: Kathleen Whelan



ODOUR MONITORING DATA SHEET

DATE: July 12, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
10:25	11								X		
10:33	12								X		
10:38	13								X		
10:43	14								X		
10:49	15							X		202	Slight bio-solve odour
10:54	16								X		
11:03	17								X		
11:10	1								X		
11:14	2								X		
11:18	3								X		
11:23	4							X			not site related - food
11:28	5								X		
11:33	6								X		
11:38	7								X		
11:43	8								X		
11:48	9								X		
11:53	10								X		

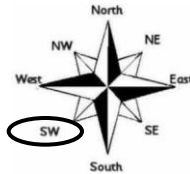
Weather Conditions

- Mostly Sunny
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- Mostly Cloudy
- Overcast
- Hazy

Precipitation

- None
- Fog
- Rain
- Sleet
- Snow

Wind Direction (Blowing From)



Wind Speed

- Calm
- Light Breeze (1 – 8 km/h)
- Moderate Wind (8 – 25 km/h)
- Strong Winds (25 km/h or higher)

Temperature: 17 °C Relative Humidity: 88 % Barometric Pressure: 100.75 kPa

Notes: _____

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ODOUR MONITORING DATA SHEET

DATE: July 12, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
1:20	11								X		
1:28	12								X		
1:34	13								X		
1:40	14								X		
1:46	15							X		202	Bio-solve
1:51	16							X		202,504	Bio-solve and unknown odour
2:00	17								X		
2:13	1								X		
2:19	2								X		
2:25	3								X		
2:31	4								X		
2:36	5							X			
2:42	6								X		
2:47	7								X		
2:53	8								X		
2:59	9								X		
3:06	10								X		

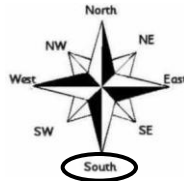
Weather Conditions

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- Hazy

Precipitation

- None
- Fog
- Rain
- Sleet
- Snow

Wind Direction (Blowing From)



Wind Speed

- Calm
- Light Breeze (1 – 8 km/h)
- Moderate Wind (8 – 25 km/h)
- Strong Winds (25 km/h or higher)

Temperature: 17 °C Relative Humidity: 77 %

Barometric Pressure: 100.47 kPa

Notes:

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ODOUR MONITORING DATA SHEET

DATE: July 12, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
3:36	11								X		
3:43	12								X		
3:49	13								X		
3:55	14								X		
4:01	15							X		202	Slight bio-solve odour
4:06	16								X		
4:14	17								X		
4:22	1								X		
4:28	2								X		
4:34	3								X		
4:40	4								X		
4:45	5								X		
4:51	6								X		
4:57	7								X		
5:03	8								X		
5:10	9								X		
5:15	10								X		

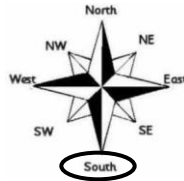
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Precipitation

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Wind Direction (Blowing From)



Wind Speed

- Calm
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- Moderate Wind (8 – 25 km/h)
- Strong Winds (25 km/h or higher)

Temperature: 17 °C Relative Humidity: 77 % Barometric Pressure: 100.34 kPa

Notes: _____

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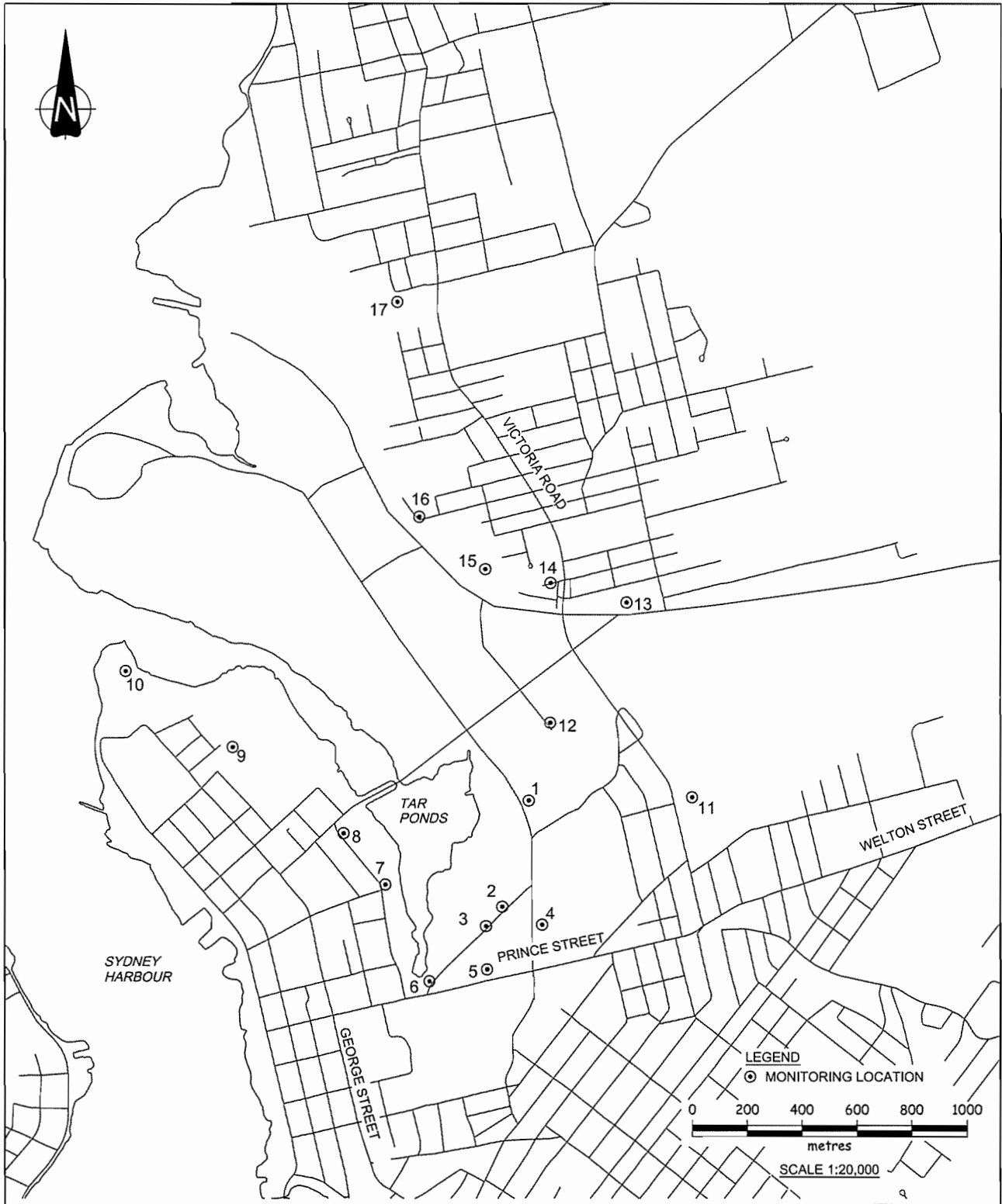


Figure 1

Community Odour Monitoring Circuit
 Sydney Tar Ponds and Coke Ovens Cleanup
Sydney, Nova Scotia



**Table 3 - Odour Monitoring Circuit
Air Monitoring Plan - Odour (AMPO)**

Location No.	Description	Latitude (Degrees (°) Minutes (') Seconds ("))	Longitude (Degrees (°) Minutes (') Seconds ("))
01	STPA Parking Lot	N46° 8' 42.89"	W60° 11' 0.08"
02	111 Terminal Road	N46° 8' 30.55"	W60° 11' 4.78"
03	Bus Station – Terminal Road	N46° 8' 28.30"	W60° 11' 7.55"
04	French School	N46° 8' 28.36"	W60° 10' 58.23"
05	Boston Pizza	N46° 8' 23.25"	W60° 11' 7.48"
06	Fence Line – Prince and Terminal	N46° 8' 21.97"	W60° 11' 17.20"
07	Intercolonial Ambient Air Station (L5)	N46° 8' 33.36"	W60° 11' 24.30"
08	Corner of Intercolonial and Ferry Streets	N46° 8' 39.45"	W60° 11' 31.14"
09	DesBarres Street Ambient Air Station (L6)	N46° 8' 49.72"	W60° 11' 49.66"
10	Battery Point next to Fire Hydrant	N46° 8' 58.81"	W60° 12' 7.61"
11	Victoria Road Ambient Air Station (L1)	N46° 8' 42.97"	W60° 10' 32.62"
12	NS Lands Office Cul-de-sac	N46° 8' 51.94"	W60° 10' 56.32"
13	Currys Lane Ambient Air Station (L2)	N46° 9' 5.86"	W60° 10' 43.18"
14	Playground on Laurier Street Extension	N46° 9' 8.30"	W60° 10' 55.86"
15	200 m past Laurier Street Extension	N46° 9' 10.05"	W60° 11' 6.63"
16	Bottom of Henry Street	N46° 9' 16.30"	W60° 11' 17.60"
17	Harbourside Elementary School	N46° 9' 41.50"	W60° 11' 20.68"

Odor Descriptors

