



MEMORANDUM

To: Dawn MacNeil
CC: Jerome MacNeil; Donnie Burke; Geoff Verner; Ellen Gushue; Peter Weaver; Barb Mattie
From: Kathleen Whelan
Date: July 15, 2011
Subject: Odour Monitoring Daily Report; July 14, 2011

Weather Conditions	Overcast / mostly cloudy
Precipitation	Intermittent drizzle
Wind Direction	North / North East
Wind Speed	Varied between 7 - 17 km/h
Temperature	11 C - 12 C

Four and a half rounds of monitoring were conducted today with no site related odours detected over 4 D/T.

Please find attached:

- Odour Monitoring Data Sheets for July 14, 2011
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: July 14, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
7:30	11								X		
7:40	12								X		
7:47	13								X		
7:54	14								X		
7:59	15								X		
8:03	16								X		
8:10	17								X		
8:35	1								X		
8:40	2								X		
8:44	3								X		
8:49	4								X		
8:53	5								X		
8:57	6								X		
9:03	7							X		712,212	Slight site odour
9:08	8					X				712,212	Site Odour
9:12	9								X		
9:17	10								X		

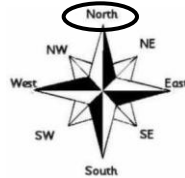
Weather Conditions

- 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: 11 °C Relative Humidity: 87 % Barometric Pressure: 101.09 kPa

Notes: _____

Date Signed: July 14, 2011

Name: Kathleen Whelan

Signature: Kathleen Whelan



ODOUR MONITORING DATA SHEET

DATE: July 14, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
9:59	11								X		
10:05	12								X		
10:10	13								X		
10:16	14								X		
10:20	15								X		
10:24	16								X		
10:32	17								X		
10:47	1								X		
10:53	2								X		
10:58	3								X		
11:04	4								X		
11:10	5								X		
11:15	6								X		
11:21	7								X		
11:24	8							X		212	Slight bio-solve odour
11:31	9							X		212	Slight bio-solve odour
11:36	10								X		

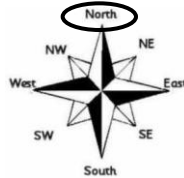
Weather Conditions

- 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: 11 °C Relative Humidity: 94 %

Barometric Pressure: 101.12 kPa

Notes:

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ODOUR MONITORING DATA SHEET

DATE: July 14, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
1:06	11								X		
1:15	12								X		
1:21	13								X		
1:27	14								X		
1:30	15								X		
1:34	16								X		
1:39	17								X		
1:45	1								X		
1:49	2								X		
1:53	3								X		
1:58	4								X		
2:02	5								X		
2:07	6								X		
2:12	7								X		
2:19	8							X		212	Slight bio-solve odour
2:24	9							X		712	Slight site odour
2:30	10								X		

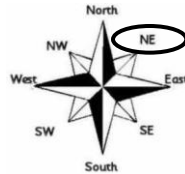
Weather Conditions

- 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: 12 °C Relative Humidity: 88 %

Barometric Pressure: 101.23 kPa

Notes:

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ODOUR MONITORING DATA SHEET

DATE: July 14, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
2:50	11								X		
2:57	12								X		
3:04	13								X		
3:08	14								X		
3:13	15								X		
3:17	16								X		
3:25	17								X		
3:38	1								X		
3:43	2								X		
3:47	3								X		
3:52	4								X		
3:57	5								X		
4:01	6								X		
4:11	7								X		
4:15	8						X			212,712	Mostly bio-solve odour
4:20	9								X		
4:26	10								X		

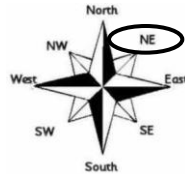
Weather Conditions

- 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: 12 °C Relative Humidity: 88 % Barometric Pressure: 101.19 kPa

Notes: _____

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ODOUR MONITORING DATA SHEET

DATE: July 14, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
4:45	11								X		
4:52	12								X		
4:58	13								X		
5:06	14								X		
5:10	15								X		
5:14	16								X		
5:22	17								X		
5:30	7								X		
5:34	8							X		712	very faint site odour

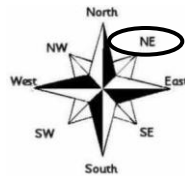
Weather Conditions

- 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: 11 °C Relative Humidity: 94 % Barometric Pressure: 101.26 kPa

Notes: _____

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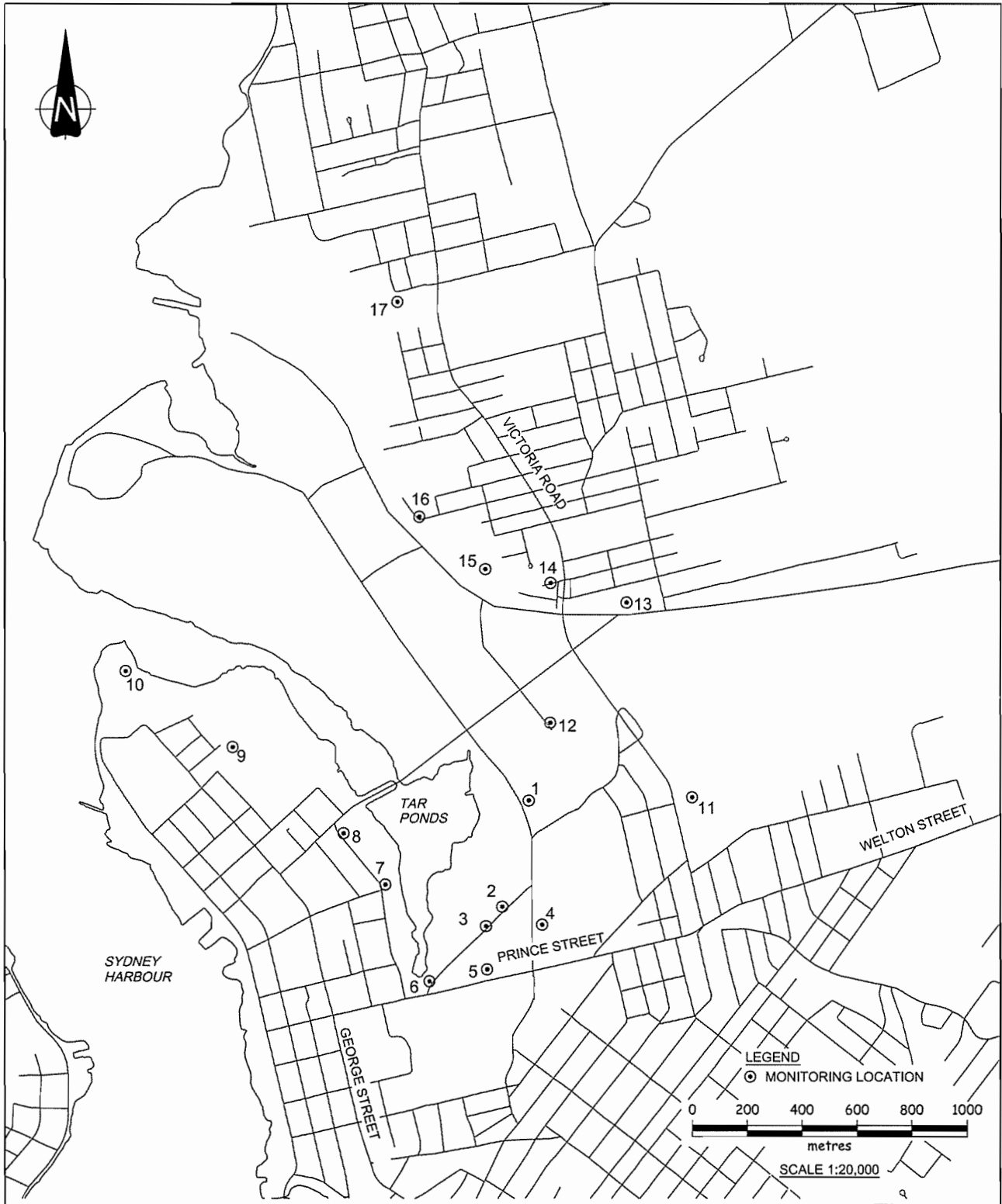


Figure 1

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

