



MEMORANDUM

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

From: Dawn MacNeil

Date: December 14, 2011

Subject: Odour Monitoring Daily Report; December 13, 2011

Weather Conditions	Partly Cloudy
Precipitation	None
Wind Direction	South West/North
Wind Speed	Moderate Winds (8 - 25 km/h)
Temperature	-4 °C - 3 °C

Three and one half rounds of monitoring were conducted today with no quantifiable site-related odours greater than <2DT detected.

Please find attached:

- Odour Monitoring Data Sheets for December 13, 2011
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: December 13, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
6:47	1								X		
6:56	2								X		
7:06	3								X		
7:14	4								X		
7:29	5								X		
7:39	6								X		
7:48	7								X		
7:56	8								X		
8:04	9								X		
8:13	10								X		
8:32	11							X		712	Slight site odour
8:41	12								X		
8:49	13								X		
8:57	14								X		
9:05	15								X		
9:13	16								X		
9:21	17								X		

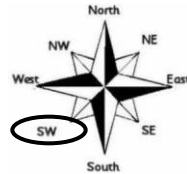
Weather Conditions

- 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: ___-4___ °C

Relative Humidity: _____ 86 _____ %

Barometric Pressure: ___102.89___ kPa

Notes:

Date Signed: December 13, 2011

Name: Gloria Paul

Signature:



ODOUR MONITORING DATA SHEET

DATE: December 13, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
9:41	1								X		
9:49	2								X		
9:58	3								X		
10:07	4								X		
10:18	5								X		
10:28	6								X		
10:36	7								X		
10:44	8								X		
10:52	9								X		
11:00	10							X		514	WWTP
11:18	11								X		
11:28	12							X		717	Not site related (piping installation on SPAR)
11:37	13								X		
11:46	14								X		
11:54	15								X		
1:00	16								X		
1:11	17								X		

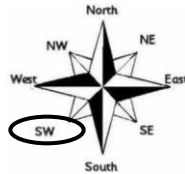
Weather Conditions

- 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: ___-1___ °C

Relative Humidity: ___80___ %

Barometric Pressure: ___102.87___ kPa

Notes:

Date Signed: December 13, 2011

Name: Gloria Paul

Signature:



ODOUR MONITORING DATA SHEET

DATE: December 13, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
1:24	1								X		
1:33	2								X		
1:41	3								X		
1:49	4								X		
2:03	5								X		
2:16	6								X		
2:25	7								X		
2:33	8								X		
2:42	9								X		
3:09	10								X		
3:22	11								X		
3:34	12								X		
3:43	13								X		
3:51	14								X		
3:59	15								X		
4:11	16								X		
4:21	17								X		

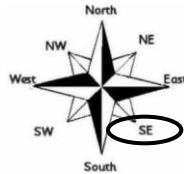
Weather Conditions

- 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: 3 °C Relative Humidity: 70 %

Barometric Pressure: 102.51 kPa

Notes:

Date Signed: December 13, 2011

Name: Gloria Paul

Signature:



ODOUR MONITORING DATA SHEET

DATE: December 13, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
4:32	1								X		
4:41	2								X		
4:49	3								X		
4:57	4								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: 3 °C Relative Humidity: 75 %

Barometric Pressure: 102.37 kPa

Notes: _____

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Signature:

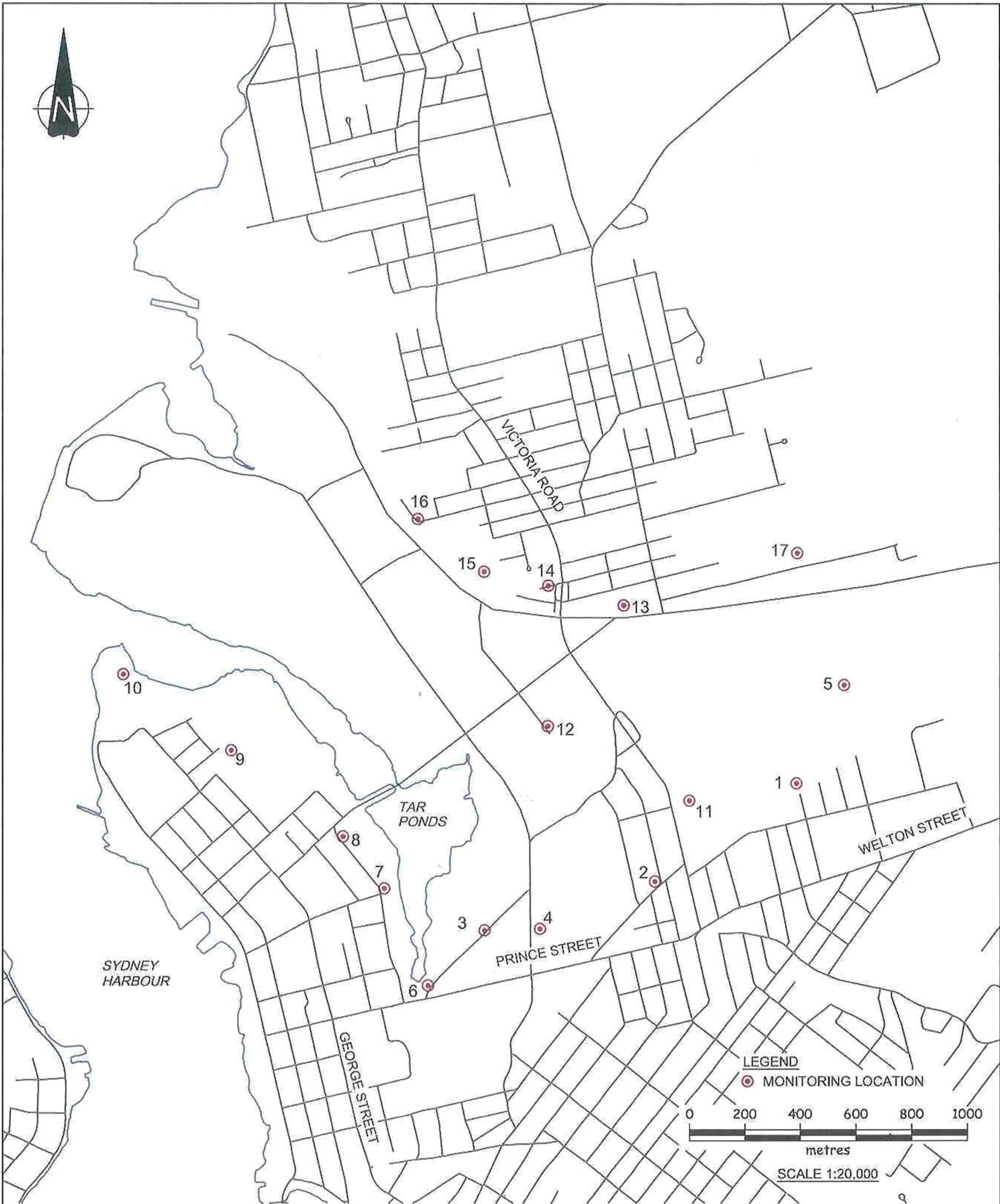


Figure 1

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



Table 1 - Odour Monitoring Circuit
Air Monitoring Plan - Odour (AMPO)

Location No.	Description	Latitude (Degrees (°) Minutes (') Seconds (")	Longitude (Degrees (°) Minutes (') Seconds (")
01	Forrest St.	N46° 8' 48.18"	W60° 10' 4.50"
02	FAST Furniture	N46° 8' 30.76"	W60° 10' 37.56"
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	Near Coke Oven Security Trailer	N46° 8' 55.56"	W60° 10' 7.74"
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	Fredrick St.	N46° 9' 10.26"	W60° 10' 12.12"

Odor Descriptors

