



MEMORANDUM

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

From: Dawn MacNeil

Date: September 21, 2011

Subject: Odour Monitoring Daily Report; September 20, 2011

Weather Conditions	Partly Cloudy
Precipitation	Overcast
Wind Direction	North/North East
Wind Speed	Strong winds over 25 km/h
Temperature	10 °C - 14 °C

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

Please find attached:

- Odour Monitoring Data Sheets for September 20, 2011
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: September 20, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
6:39	1								X		
6:49	2								X		
6:59	3								X		
7:09	4								X		
7:19	5								X		
7:31	6								X		
7:38	7							X		212	Slight bio-solve odour
7:46	8								X		
7:54	9								X		
8:05	10								X		
8:24	11								X		
8:34	12								X		
8:43	13								X		
8:50	14								X		
8:57	15								X		
9:06	16								X		
9:16	17								X		

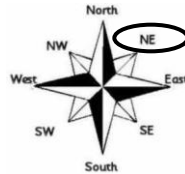
Weather Conditions

- 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: 10 °C Relative Humidity: 94 %

Barometric Pressure: 100.84 kPa

Notes:

Date Signed: September 20, 2011

Name: Gloria Paul

Signature:



ODOUR MONITORING DATA SHEET

DATE: September 20, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
9:33	1								X		
9:41	2								X		
9:49	3								X		
9:58	4								X		
10:07	5								X		
10:15	6							X		212,715	Slight site/bio-solve odour
10:23	7							X		715	Slight site odour
10:32	8								X		
10:41	9								X		
10:50	10							X		515	WWTP
11:05	11								X		
11:18	12								X		
11:33	13								X		
11:41	14							X		715	Slight site odour
11:48	15								X		
11:56	16								X		
1:08	17								X		

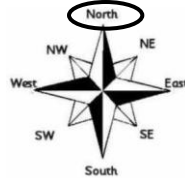
Weather Conditions

- 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: 10 °C Relative Humidity: 94 %

Barometric Pressure: 100.01 kPa

Notes:

Date Signed: September 20, 2011

Name: Gloria Paul

Signature:



ODOUR MONITORING DATA SHEET

DATE: September 20, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
1:26	1								X		
1:34	2								X		
1:43	3							X		212	Slight bio-solve odour
1:52	4								X		
1:59	5							X		212	Slight bio-solve odour
2:08	6								X		
2:18	7								X		
2:26	8								X		
2:36	9								X		
2:46	10								X		
3:03	11								X		
3:16	12								X		
3:24	13								X		
3:35	14								X		
3:46	15								X		
3:54	16								X		
4:05	17								X		

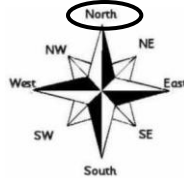
Weather Conditions

- 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: 12 °C Relative Humidity: 82 %

Barometric Pressure: 101.20 kPa

Notes:

Date Signed: September 20, 2011

Name: Gloria Paul

Signature:



ODOUR MONITORING DATA SHEET

DATE: September 20, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
4:26	1								X		
4:36	2								X		
4:44	3						X			715	Slight site odour
4:54	4							X		212	Slight bio-solve odour
5:00	5								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: 14 °C Relative Humidity: 72 %

Barometric Pressure: 101.41 kPa

Notes:

Date Signed: September 20, 2011

Name: Gloria Paul

Signature: *Gloria Paul*

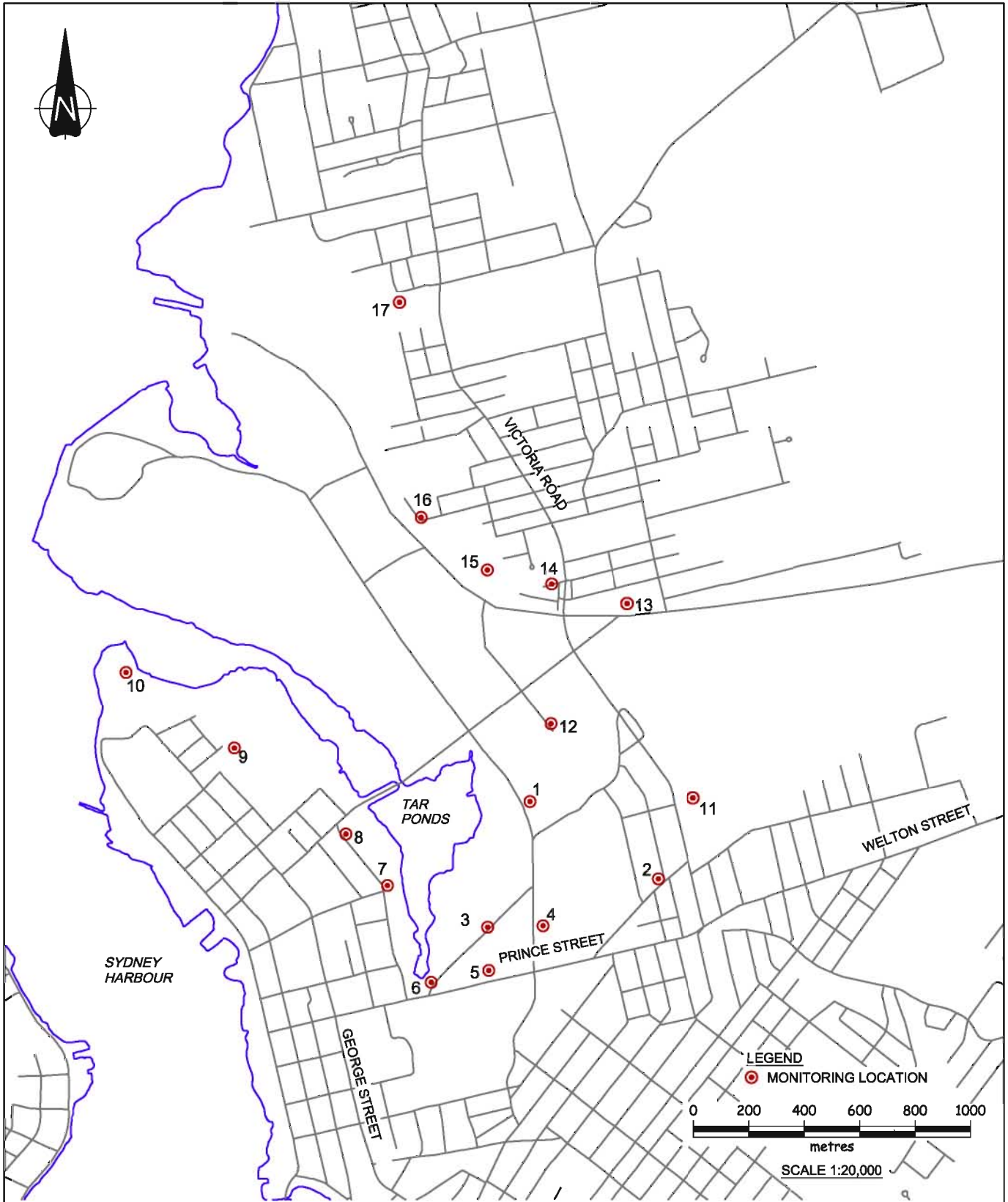


Figure 1

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



Location No.	Description	Latitude (Degrees (°) Minutes (') Seconds (")	Longitude (Degrees (°) Minutes (') Seconds (")
01	STPA Parking Lot	N46° 8' 42.89"	W60° 11' 0.08"
02	FAST Furniture	N46° 8' 33.76"	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	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

