



MEMORANDUM

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

From: Dawn MacNeil

Date: May 2, 2012

Subject: Odour Monitoring Daily Report; May 1, 2012

Weather Conditions	Mostly Sunny
Precipitation	None
Wind Direction	North
Wind Speed	Moderate Winds (8 - 25 km/h)
Temperature	-2 °C - 8 °C

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

Please find attached:

- Odour Monitoring Data Sheets for May 1, 2012
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: May 1, 2012

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
7:02	5								X		
7:07	1								X		
7:13	11								X		
7:18	2								X		
7:24	4								X		
7:30	3								X		
7:36	6							X			Slight site odour
7:42	7							X			Slight site odour
7:48	8							X			Slight site odour
7:54	9								X		
8:01	10							X		515	Non site related (sewer at hydrant)
9:00	12								X		
9:06	17								X		
9:11	13								X		
9:17	14								X		
9:23	15								X		
9:29	16								X		

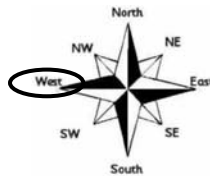
Weather Conditions

- 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: -2 °C Relative Humidity: 89 % Barometric Pressure: 102.56 kpa

Notes: _____

Date Signed: May 1, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: May 1, 2012

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
9:39	5								X		
9:45	1								X		
9:51	11								X		
9:56	2								X		
10:01	4								X		
10:06	3								X		
10:12	6							X			Slight site odour
10:18	7						X				Consistent site odour
10:24	8							X			Slight site odour
10:30	9								X		
10:39	10						X			515	Non site related (sewer at hydrant)
10:49	12								X		
10:55	17								X		
11:00	13								X		
11:06	14								X		
11:12	15								X		
11:17	16								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: 2 °C

Relative Humidity: 78 %

Barometric Pressure: 102.65 kpa

Notes:

Date Signed: May 1, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: May 1, 2012

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
11:33	5								X		
11:39	1								X		
11:45	11								X		
11:51	2								X		
11:57	4								X		
12:31	3								X		
12:37	6								X		
12:43	7								X		
12:49	8								X		
12:55	9								X		
1:00	10						X			515/site	Non site related (sewer at hydrant) and slight site odour
1:12	12								X		
1:18	17								X		
1:23	13								X		
1:29	14								X		
1:36	15								X		
1:42	16								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: 51 %

Barometric Pressure: 102.68 kpa

Notes:

Date Signed: May 1, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: May 1, 2012

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
1:55	5								X		
2:01	1								X		
2:06	11								X		
2:12	2								X		
2:18	4								X		
2:24	3								X		
2:30	6								X		
2:35	7								X		
2:41	8								X		
2:49	9								X		
2:53	10						X			515	Non site related (sewer at hydrant)
3:07	12								X		
3:13	17								X		
3:19	13								X		
3:24	14								X		
3:30	15								X		
3:36	16								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: 7 °C

Relative Humidity: 45 %

Barometric Pressure: 102.64 kpa

Notes:

Date Signed: May 1, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: May 1, 2012

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
4:02	5								X		
4:08	1								X		
4:14	11							X			Slight Coke Ovens odour
4:20	2								X		
4:26	4								X		
4:32	3								X		
4:38	6								X		
4:43	7								X		
4:48	8								X		
4:54	9								X		
4:59	10							X		515	Slight site odour

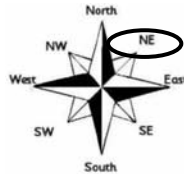
Weather Conditions

- 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: 8 °C

Relative Humidity: 45 %

Barometric Pressure: 102.54 kpa

Notes:

Date Signed: May 1, 2012

Name: Denise Walker

Signature: Denise Walker

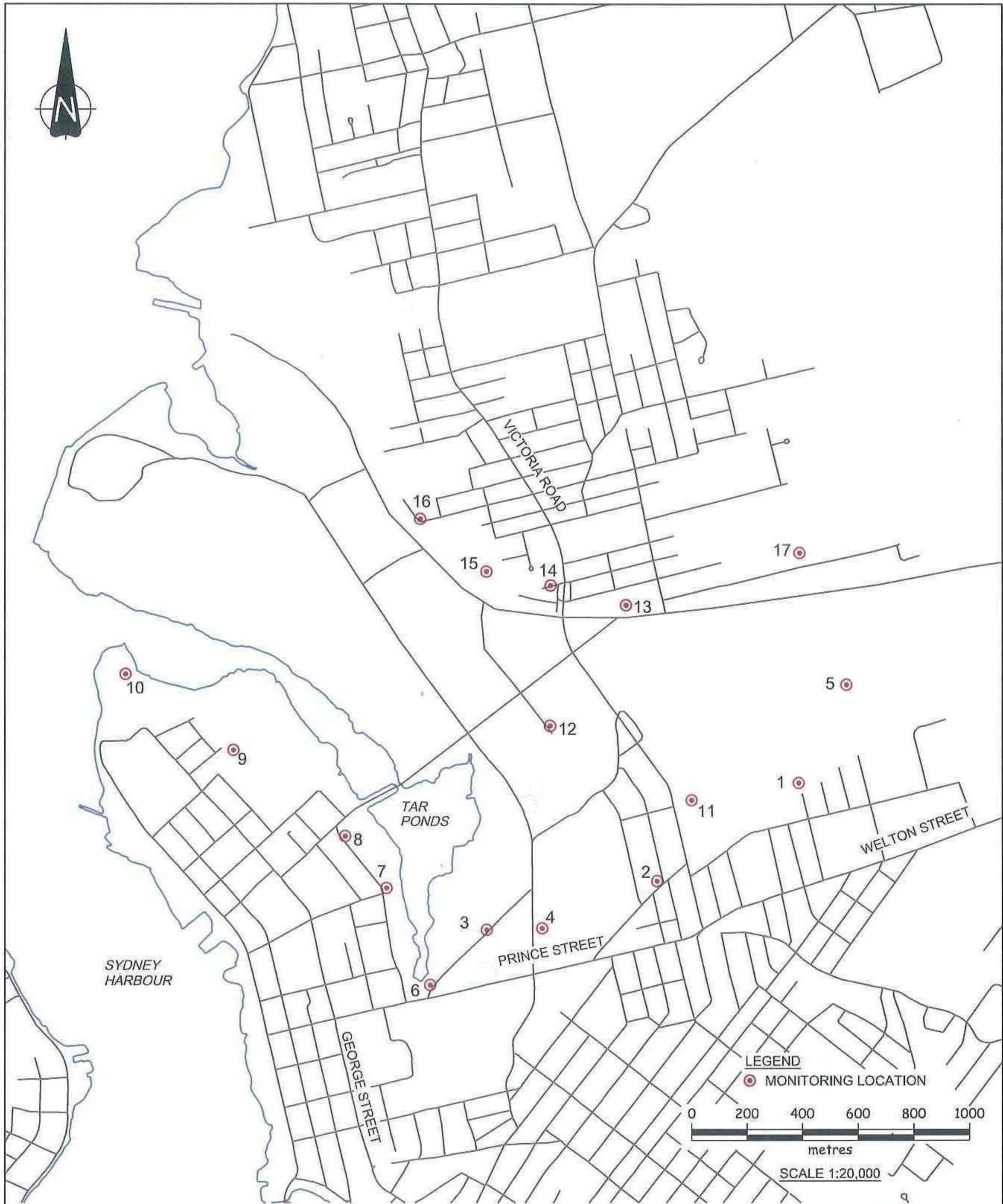


Figure 1

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

