



MEMORANDUM

To: Dawn MacNeil

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

From: Kathleen Whelan

Date: June 30, 2011

Subject: Odour Monitoring Daily Report; June 30, 2011

Weather Conditions	Overcast
Precipitation	Very little, a scattered shower
Wind Direction	East / North East
Wind Speed	Varied between 9 – 15 km/h
Temperature	12 C - 14 C

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

Please find attached:

- Odour Monitoring Data Sheets for June 30, 2011
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: June 30, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
8:20	11								X		
8:28	12								X		
8:33	13								X		
8:39	14								X		
8:42	15								X		
8:45	16								X		
8:55	17								X		
9:12	1								X		
9:17	2								X		
9:21	3								X		
9:25	4								X		
9:30	5								X		
9:34	6								X		
9:41	7								X		
9:44	8								X		
9:50	9								X		
9:54	10							X		505,515	WWTP

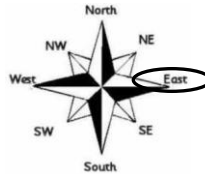
Weather Conditions

- 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: 94 %

Barometric Pressure: 101.13 kPa

Notes:

Date Signed: June 30, 2011

Name: Kathleen Whelan

Signature: Kathleen Whelan



ODOUR MONITORING DATA SHEET

DATE: June 30, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
10:15	11								X		
10:23	12								X		
10:30	13								X		
10:34	14								X		
10:38	15								X		
10:43	16								X		
10:50	17								X		
11:03	1								X		
11:08	2								X		
11:14	3								X		
11:20	4								X		
11:24	5								X		
11:29	6								X		
11:35	7							X		506,507,212	Not site related
11:42	8							X		212	Faint bio-solve odour
11:47	9							X		212	Faint bio-solve odour
11:51	10							X		505,515	WWTP

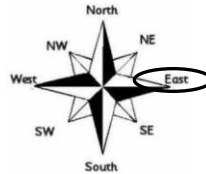
Weather Conditions

- 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: 100 %

Barometric Pressure: 101.08 kPa

Notes:

Date Signed: June 30, 2011

Name: Kathleen Whelan

Signature: Kathleen Whelan



ODOUR MONITORING DATA SHEET

DATE: June 30, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
1:12	11								X		
1:18	12								X		
1:23	13								X		
1:29	14								X		
1:33	15								X		
1:35	16								X		
1:43	17								X		
1:53	1								X		
1:57	2							X		212	Slight bio-solve odour
2:01	3							X		212,712	Slight site/bio-solve odour
2:06	4								X		
2:11	5							X		212	Slight bio-solve odour
2:16	6							X		212	Slight bio-solve odour
2:21	7								X		
2:26	8								X		
2:30	9								X		
2:35	10						X			505,515	WWTP

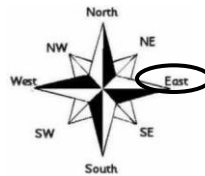
Weather Conditions

- 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: 13 °C Relative Humidity: 94 %

Barometric Pressure: 101.04 kPa

Notes:

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Signature: Kathleen Whelan



ODOUR MONITORING DATA SHEET

DATE: June 30, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
3:00	11								X		
3:16	12								X		
3:21	13								X		
3:27	14								X		
3:31	15								X		
3:36	16								X		
3:43	17								X		
4:06	1								X		
4:10	2								X		
4:15	3								X		
4:22	4								X		
4:28	5								X		
4:32	6								X		
4:36	7								X		
4:41	8								X		
4:46	9								X		
4:49	10					X				505,515	WWTP

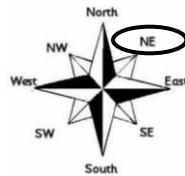
Weather Conditions

- 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: 94 %

Barometric Pressure: 101.01 kPa

Notes:

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ODOUR MONITORING DATA SHEET

DATE: June 30, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
5:00	11								X		
5:09	12								X		
5:13	13								X		
5:20	14								X		
5:24	15								X		
5:28	16								X		

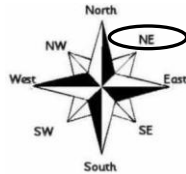
Weather Conditions

- 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: 13 °C

Relative Humidity: 94 %

Barometric Pressure: 100.95 kPa

Notes:

Date Signed: June 30, 2011

Name: Kathleen Whelan

Signature: Kathleen Whelan

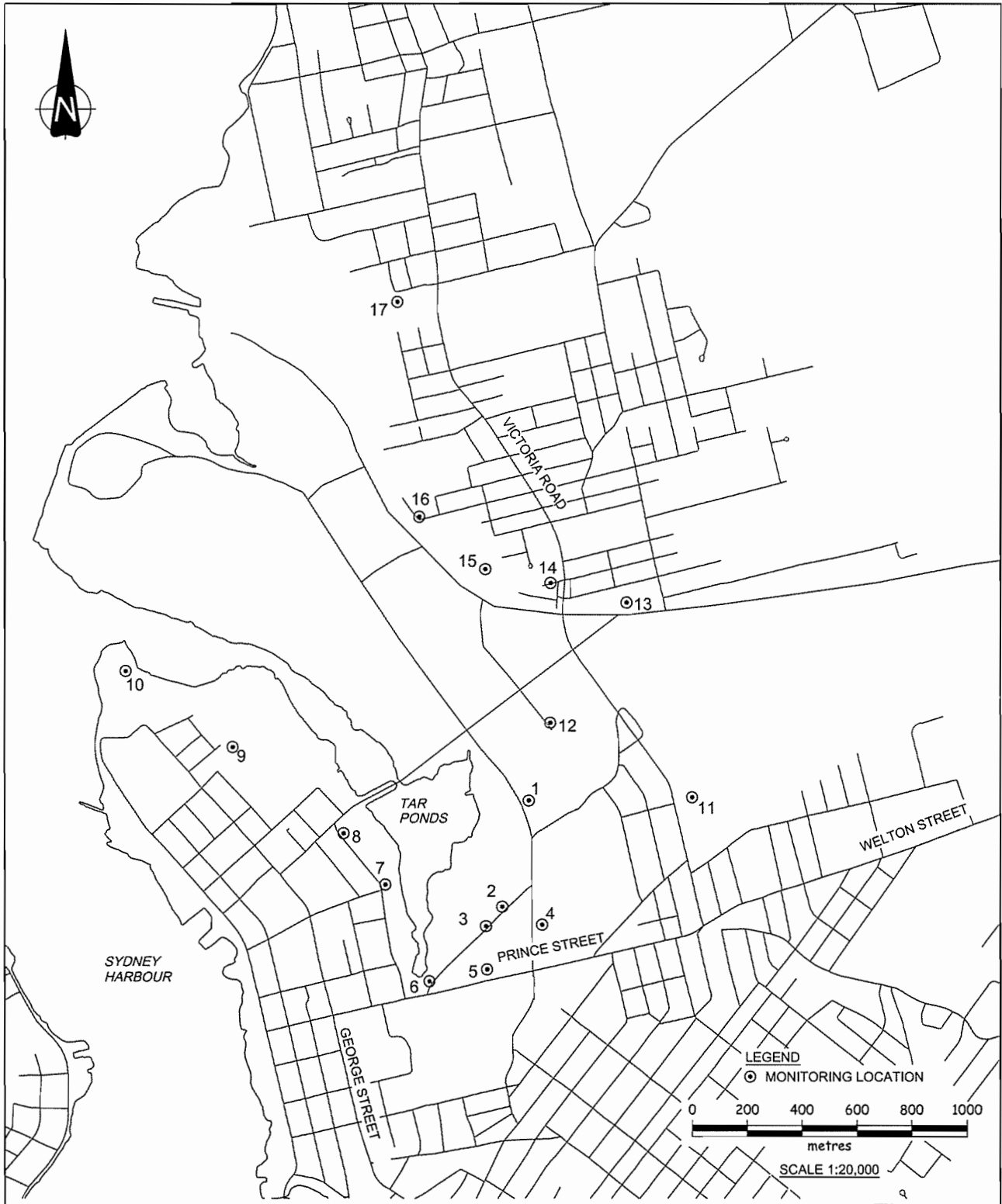


Figure 1

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

