



MEMORANDUM

To: Dawn MacNeil
CC: Jerome MacNeil; Donnie Burke; Geoff Verner; Ellen Gushue; Peter Weaver; Barb Mattie
From: Kathleen Whelan
Date: August 10, 2011
Subject: Odour Monitoring Daily Report; August 10, 2011

Weather Conditions	Overcast
Precipitation	None
Wind Direction	East / North East
Wind Speed	Varied between 9 – 22 km/h
Temperature	13 C - 16 C

Four rounds of monitoring were conducted today. An odour of 7 D/T Naphthalene and Bio-Solve was detected at approximately 10:30 a.m at location #8 (Ferry and Intercolonial St.). In 15 minutes another reading was taken and yielded a <2 D/T; therefore no further action was taken.

Please find attached:

- Odour Monitoring Data Sheets for August 10, 2011
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: August 10, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
7:26	11								X		
7:33	12								X		
7:37	13								X		
7:45	14								X		
7:52	15								X		
7:59	16								X		
8:07	17								X		
8:19	1								X		
8:23	3								X		
8:29	2								X		
8:35	4								X		
8:40	5								X		
8:45	6								X		
8:49	7								X		
8:54	8							X		212	Bio-solve
8:59	9								X		
9:04	10								X		

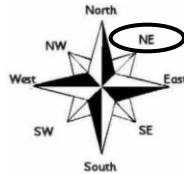
Weather Conditions

- 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: 13 °C Relative Humidity: 94 %

Barometric Pressure: 101.04 kPa

Notes:

Date Signed: August 10, 2011

Name: Kathleen Whelan

Signature: Kathleen Whelan



ODOUR MONITORING DATA SHEET

DATE: August 10, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
9:15	11								X		
9:21	12								X		
9:27	13								X		
9:32	14								X		
9:37	15								X		
9:41	16								X		
9:47	17								X		
9:53	1								X		
9:59	2								X		
10:04	3							X		105	
10:09	4								X		
10:14	5								X		
10:25	6								X		
10:30	7							X		400	Topsoil
10:46	8				X			X		212,712	Second reading <2DT (15 mins later) site/bio-solve odours
10:51	9							X		712,722	Slight site odour
10:57	10							X		505,515	WWTP

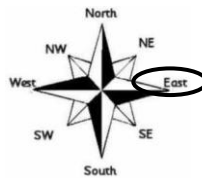
Weather Conditions

- 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: 101.12 kPa

Notes:

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Signature: Kathleen Whelan



ODOUR MONITORING DATA SHEET

DATE: August 10, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
11:08	11								X		
11:15	12								X		
11:42	13								X		
1:16	14								X		
1:21	15								X		
1:28	16								X		
1:39	17								X		
1:47	1								X		
1:53	2								X		
1:59	3								X		
2:03	4								X		
2:07	5								X		
2:11	6								X		
2:16	7								X		
2:20	8								X		
2:25	9								X		
2:29	10								X		

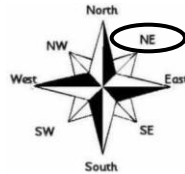
Weather Conditions

- 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: 14 °C Relative Humidity: 88 %

Barometric Pressure: 101.14 kPa

Notes:

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ODOUR MONITORING DATA SHEET

DATE: August 10, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
2:57	11								X		
3:03	12								X		
3:09	13								X		
3:14	14								X		
3:20	15								X		
3:26	16								X		
3:32	17								X		
3:40	1								X		
3:47	2								X		
3:53	3								X		
3:58	4								X		
4:04	5								X		
4:09	6							X			Not site related (Food)
4:14	7								X		
4:20	8							X		212,712	Slight site odour
4:25	9								X		
4:30	10								X		

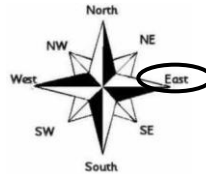
Weather Conditions

- 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: 16 °C Relative Humidity: 77 %

Barometric Pressure: 101.05 kPa

Notes:

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ODOUR MONITORING DATA SHEET

DATE: August 10, 2011

TIME	LOCATION	60	30	15	7	4	2	<2	ND	DESCRIPTORS	COMMENTS
4:50	11								X		
4:57	12								X		
5:02	13								X		
5:10	14								X		
5:14	15								X		
5:19	16								X		
5:27	17								X		

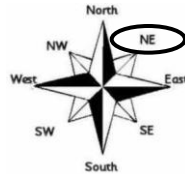
Weather Conditions

- 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: 15 °C Relative Humidity: 82 % Barometric Pressure: 101.04 kPa

Notes: _____

Date Signed: August 10, 2011 Name: Kathleen Whelan Signature: Kathleen Whelan

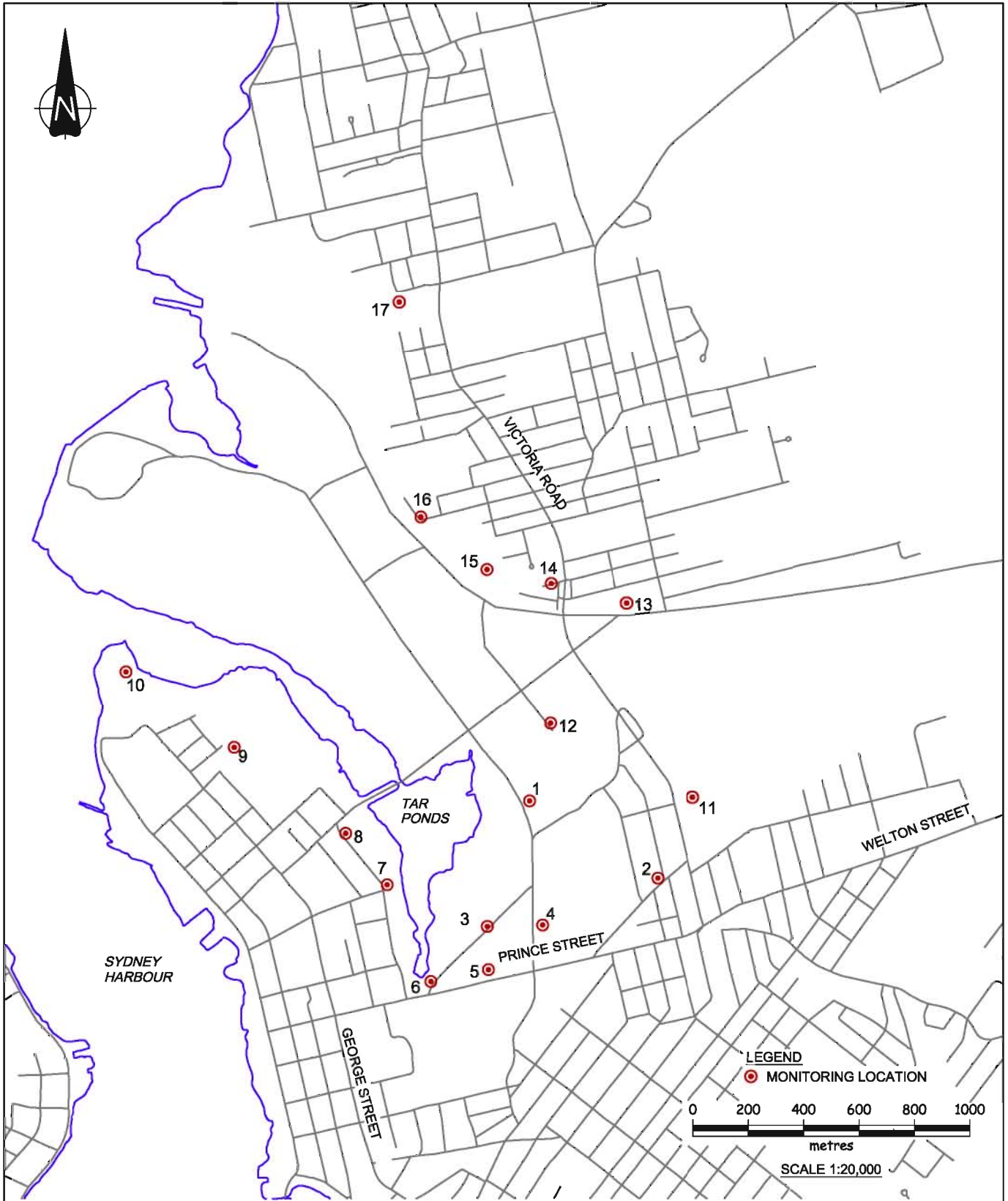


Figure 1

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

