



## MEMORANDUM

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

**From:** Dawn MacNeil

**Date:** September 15, 2011

**Subject:** Odour Monitoring Daily Report; September 14, 2011

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|                           |                            |
|---------------------------|----------------------------|
| <b>Weather Conditions</b> | Sunny/cloudy               |
| <b>Precipitation</b>      | none                       |
| <b>Wind Direction</b>     | South West                 |
| <b>Wind Speed</b>         | Varied between 8 – 25 km/h |
| <b>Temperature</b>        | 18-26 C                    |

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

Please find attached:

- Odour Monitoring Data Sheets for September 14, 2011
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



**ODOUR MONITORING DATA SHEET**

DATE: September 14, 2011

| TIME  | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS                   |
|-------|----------|----|----|----|---|---|---|----|----|-------------|----------------------------|
| 8:21  | 1        |    |    |    |   |   |   |    | X  |             |                            |
| 8:28  | 2        |    |    |    |   |   |   | X  |    | 722         | Slight Odour (Tar/Asphalt) |
| 8:37  | 3        |    |    |    |   |   |   |    | X  |             |                            |
| 8:47  | 4        |    |    |    |   |   |   |    | X  |             |                            |
| 8:54  | 5        |    |    |    |   |   |   |    | X  |             |                            |
| 9:03  | 6        |    |    |    |   |   |   |    | X  |             |                            |
| 9:12  | 7        |    |    |    |   |   |   |    | X  |             |                            |
| 9:20  | 8        |    |    |    |   |   |   |    | X  |             |                            |
| 9:29  | 9        |    |    |    |   |   |   |    | X  |             |                            |
| 9:38  | 10       |    |    |    |   |   |   |    | X  |             |                            |
| 9:55  | 11       |    |    |    |   |   |   |    | X  |             |                            |
| 10:05 | 12       |    |    |    |   |   |   |    | X  |             |                            |
| 10:16 | 13       |    |    |    |   |   |   |    | X  |             |                            |
| 10:29 | 14       |    |    |    |   |   |   |    | X  |             |                            |
| 10:38 | 15       |    |    |    |   |   |   | X  |    | 715         | Slight site odour          |
| 10:48 | 16       |    |    |    |   |   |   |    | X  |             |                            |
| 10:59 | 17       |    |    |    |   |   |   |    | X  |             |                            |

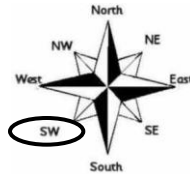
Weather Conditions

- 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: 18 °C Relative Humidity: 88 %

Barometric Pressure: 101.32 kPa

**Notes:**

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Date Signed: September 14, 2011

Name: Gloria Paul

Signature: *Gloria Paul*



**ODOUR MONITORING DATA SHEET**

DATE: September 14, 2011

| TIME  | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS                   |
|-------|----------|----|----|----|---|---|---|----|----|-------------|----------------------------|
| 11:14 | 1        |    |    |    |   |   |   |    | X  |             |                            |
| 11:24 | 2        |    |    |    |   |   |   | X  |    | 722         | Slight Odour (Tar/Asphalt) |
| 11:31 | 3        |    |    |    |   |   |   |    | X  |             |                            |
| 11:39 | 4        |    |    |    |   |   |   |    | X  |             |                            |
| 11:47 | 5        |    |    |    |   |   |   | X  |    | 418         | Not site related (Food)    |
| 11:54 | 6        |    |    |    |   |   |   |    | X  |             |                            |
| 12:59 | 7        |    |    |    |   |   |   |    | X  |             |                            |
| 1:09  | 8        |    |    |    |   |   |   |    | X  |             |                            |
| 1:28  | 9        |    |    |    |   |   |   |    | X  |             |                            |
| 1:42  | 10       |    |    |    |   |   |   |    | X  |             |                            |
| 1:53  | 11       |    |    |    |   |   |   |    | X  |             |                            |
| 2:04  | 12       |    |    |    |   |   |   |    | X  |             |                            |
| 2:12  | 13       |    |    |    |   |   |   |    | X  |             |                            |
| 2:23  | 14       |    |    |    |   |   |   |    | X  |             |                            |
| 2:32  | 15       |    |    |    |   |   |   | X  |    | 715         | Slight site odour          |
| 2:39  | 16       |    |    |    |   |   |   |    | X  |             |                            |
| 2:48  | 17       |    |    |    |   |   |   |    | X  |             |                            |

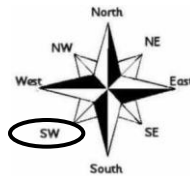
Weather Conditions

- 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: 23 °C Relative Humidity: 69 %

Barometric Pressure: 101.32 kPa

**Notes:**

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Date Signed: September 14, 2011

Name: Gloria Paul

Signature:



ODOUR MONITORING DATA SHEET

DATE: September 14, 2011

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 3:05 | 1        |    |    |    |   |   |   |    | X  |             |          |
| 3:13 | 2        |    |    |    |   |   |   |    | X  |             |          |
| 3:21 | 3        |    |    |    |   |   |   |    | X  |             |          |
| 3:30 | 4        |    |    |    |   |   |   |    | X  |             |          |
| 3:38 | 5        |    |    |    |   |   |   |    | X  |             |          |
| 3:46 | 6        |    |    |    |   |   |   |    | X  |             |          |
| 3:53 | 7        |    |    |    |   |   |   |    | X  |             |          |
| 4:00 | 8        |    |    |    |   |   |   |    | X  |             |          |
| 4:09 | 9        |    |    |    |   |   |   |    | X  |             |          |
| 4:18 | 10       |    |    |    |   |   |   |    | X  |             |          |
| 4:35 | 11       |    |    |    |   |   |   |    | X  |             |          |
| 4:48 | 12       |    |    |    |   |   |   |    | X  |             |          |
| 4:57 | 13       |    |    |    |   |   |   |    | X  |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |

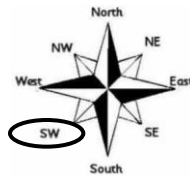
Weather Conditions

- 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: 26 °C Relative Humidity: 61 %

Barometric Pressure: 101.27 kPa

Notes:

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Date Signed: September 14, 2011

Name: Gloria Paul

Signature:

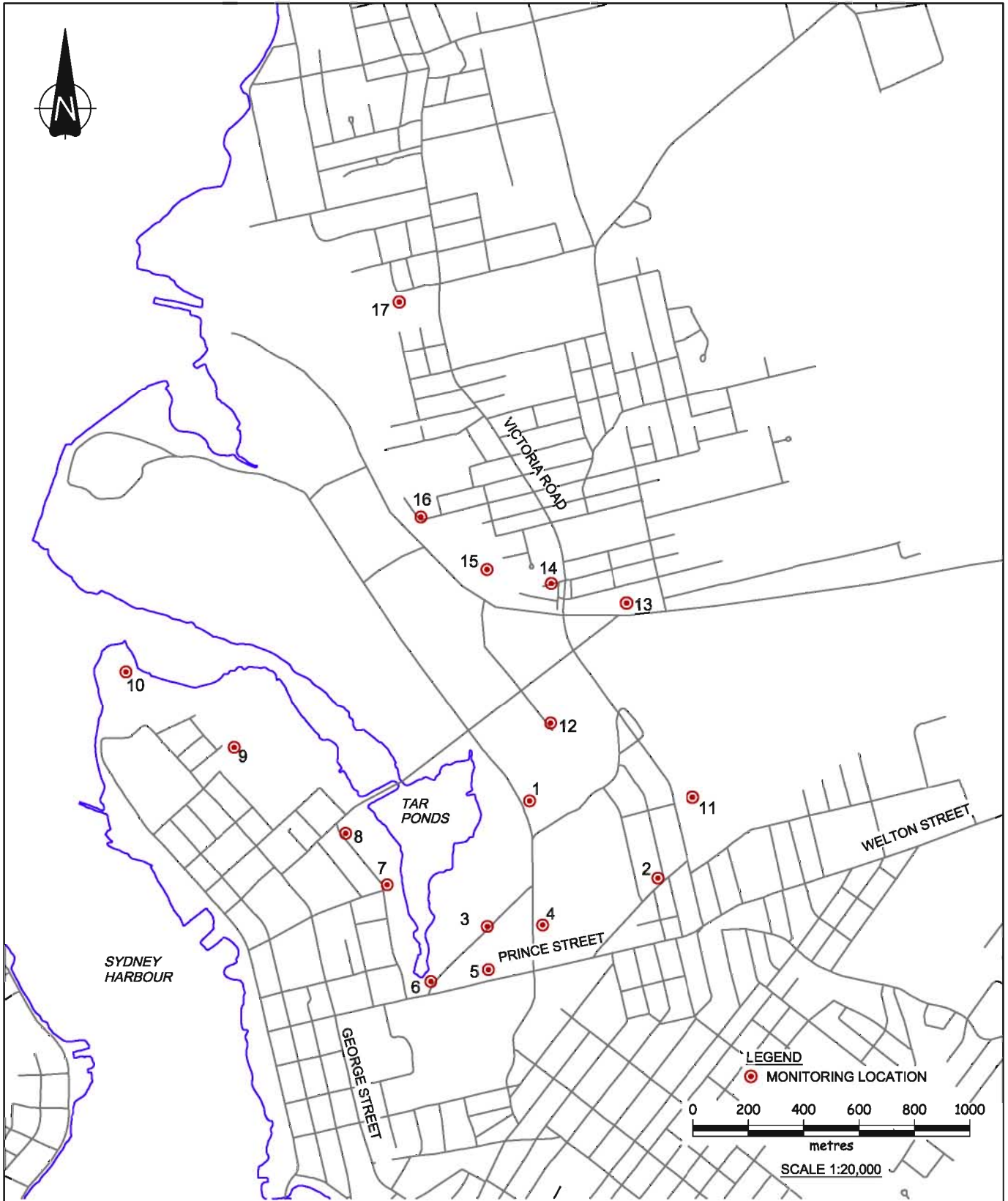


Figure 1

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



| <b>Location No.</b> | <b>Description</b>                        | <b>Latitude<br/>(Degrees (°)<br/>Minutes (')<br/>Seconds ("))</b> | <b>Longitude<br/>(Degrees (°)<br/>Minutes (')<br/>Seconds ("))</b> |
|---------------------|---|---|--|
| 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

