



## MEMORANDUM

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

**From:** Dawn MacNeil

**Date:** June 4, 2012

**Subject:** Odour Monitoring Daily Report; June 1, 2012

---

|                           |                             |
|---------------------------|-----------------------------|
| <b>Weather Conditions</b> | Overcast                    |
| <b>Precipitation</b>      | None                        |
| <b>Wind Direction</b>     | West/South West             |
| <b>Wind Speed</b>         | Moderate Wind (8 - 25 km/h) |
| <b>Temperature</b>        | 8°C - 12°C                  |

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

Please find attached:

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



ODOUR MONITORING DATA SHEET

DATE: June 1, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 8:00 | 5        |    |    |    |   |   |   |    | X  |             |          |
| 8:06 | 1        |    |    |    |   |   |   |    | X  |             |          |
| 8:13 | 2        |    |    |    |   |   |   |    | X  |             |          |
| 8:19 | 4        |    |    |    |   |   |   |    | X  |             |          |
| 8:24 | 3        |    |    |    |   |   |   |    | X  |             |          |
| 8:30 | 6        |    |    |    |   |   |   |    | X  |             |          |
| 8:36 | 7        |    |    |    |   |   |   |    | X  |             |          |
| 8:42 | 8        |    |    |    |   |   |   |    | X  |             |          |
| 8:49 | 9        |    |    |    |   |   |   |    | X  |             |          |
| 8:55 | 10       |    |    |    |   |   |   |    | X  |             |          |
| 9:04 | 12       |    |    |    |   |   |   |    | X  |             |          |
| 9:10 | 13       |    |    |    |   |   |   |    | X  |             |          |
| 9:16 | 17       |    |    |    |   |   |   |    | X  |             |          |
| 9:24 | 14       |    |    |    |   |   |   |    | X  |             |          |
| 9:30 | 15       |    |    |    |   |   |   |    | X  |             |          |
| 9:36 | 16       |    |    |    |   |   |   |    | X  |             |          |
| 9:43 | 11       |    |    |    |   |   |   |    | X  |             |          |

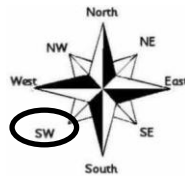
Weather Conditions

- 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: 8 °C

Relative Humidity: 98 %

Barometric Pressure: 101.17 kpa

Notes:

---

---

---

---

---

---

---

---

*Jackie Miles*

Date Signed: June 1, 2012

Name: Jackie Miles

Signature: \_\_\_\_\_



ODOUR MONITORING DATA SHEET

DATE: June 1, 2012

| TIME  | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 9:55  | 5        |    |    |    |   |   |   |    | X  |             |          |
| 10:01 | 1        |    |    |    |   |   |   |    | X  |             |          |
| 10:08 | 2        |    |    |    |   |   |   |    | X  |             |          |
| 10:14 | 4        |    |    |    |   |   |   |    | X  |             |          |
| 10:20 | 3        |    |    |    |   |   |   |    | X  |             |          |
| 10:26 | 6        |    |    |    |   |   |   |    | X  |             |          |
| 10:32 | 7        |    |    |    |   |   |   |    | X  |             |          |
| 10:38 | 8        |    |    |    |   |   |   |    | X  |             |          |
| 10:44 | 9        |    |    |    |   |   |   |    | X  |             |          |
| 10:51 | 10       |    |    |    |   |   |   |    | X  |             |          |
| 11:00 | 12       |    |    |    |   |   |   |    | X  |             |          |
| 11:06 | 13       |    |    |    |   |   |   |    | X  |             |          |
| 11:12 | 17       |    |    |    |   |   |   |    | X  |             |          |
| 11:19 | 14       |    |    |    |   |   |   |    | X  |             |          |
| 11:25 | 15       |    |    |    |   |   |   |    | X  |             |          |
| 11:31 | 16       |    |    |    |   |   |   |    | X  |             |          |
| 11:39 | 11       |    |    |    |   |   |   |    | X  |             |          |

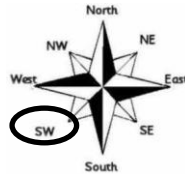
Weather Conditions

- 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: 9 °C

Relative Humidity: 97 %

Barometric Pressure: 101.20 kpa

Notes:

---

---

---

---

---

---

---

---

---

---

Date Signed: June 1, 2012

Name: Jackie Miles

Signature: Jackie Miles



ODOUR MONITORING DATA SHEET

DATE: June 1, 2012

| TIME  | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 11:49 | 5        |    |    |    |   |   |   |    | X  |             |          |
| 12:40 | 1        |    |    |    |   |   |   |    | X  |             |          |
| 12:46 | 2        |    |    |    |   |   |   |    | X  |             |          |
| 12:53 | 4        |    |    |    |   |   |   |    | X  |             |          |
| 1:01  | 3        |    |    |    |   |   |   |    | X  |             |          |
| 1:08  | 6        |    |    |    |   |   |   |    | X  |             |          |
| 1:15  | 7        |    |    |    |   |   |   |    | X  |             |          |
| 1:21  | 8        |    |    |    |   |   |   |    | X  |             |          |
| 1:28  | 9        |    |    |    |   |   |   |    | X  |             |          |
| 1:36  | 10       |    |    |    |   |   |   |    | X  |             |          |
| 1:45  | 12       |    |    |    |   |   |   |    | X  |             |          |
| 1:52  | 13       |    |    |    |   |   |   |    | X  |             |          |
| 1:58  | 17       |    |    |    |   |   |   |    | X  |             |          |
| 2:06  | 14       |    |    |    |   |   |   |    | X  |             |          |
| 2:16  | 15       |    |    |    |   |   |   |    | X  |             |          |
| 2:24  | 16       |    |    |    |   |   |   |    | X  |             |          |
| 2:32  | 11       |    |    |    |   |   |   |    | X  |             |          |

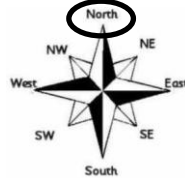
Weather Conditions

- 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: 81 %

Barometric Pressure: 101.18 kpa

Notes:

---

---

---

---

---

---

---

---

Date Signed: June 1, 2012

Name: Jackie Miles

Signature: Jackie Miles



ODOUR MONITORING DATA SHEET

DATE: June 1, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 2:42 | 5        |    |    |    |   |   |   |    | X  |             |          |
| 3:01 | 1        |    |    |    |   |   |   |    | X  |             |          |
| 3:07 | 2        |    |    |    |   |   |   |    | X  |             |          |
| 3:14 | 4        |    |    |    |   |   |   |    | X  |             |          |
| 3:20 | 3        |    |    |    |   |   |   |    | X  |             |          |
| 3:26 | 6        |    |    |    |   |   |   |    | X  |             |          |
| 3:34 | 7        |    |    |    |   |   |   |    | X  |             |          |
| 3:40 | 8        |    |    |    |   |   |   |    | X  |             |          |
| 3:46 | 9        |    |    |    |   |   |   |    | X  |             |          |
| 3:53 | 10       |    |    |    |   |   |   | X  |    | 515         | WWTP     |
| 4:01 | 12       |    |    |    |   |   |   |    | X  |             |          |
| 4:07 | 13       |    |    |    |   |   |   |    | X  |             |          |
| 4:13 | 17       |    |    |    |   |   |   |    | X  |             |          |
| 4:19 | 14       |    |    |    |   |   |   |    | X  |             |          |
| 4:25 | 15       |    |    |    |   |   |   |    | X  |             |          |
| 4:31 | 16       |    |    |    |   |   |   |    | X  |             |          |
| 4:40 | 11       |    |    |    |   |   |   |    | X  |             |          |

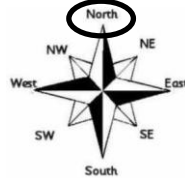
Weather Conditions

- 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: 92 %

Barometric Pressure: 101.20 kpa

Notes:

---

---

---

---

---

---

---

---

Date Signed: June 1, 2012

Name: Jackie Miles

Signature: Jackie Miles



ODOUR MONITORING DATA SHEET

DATE: June 1, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 4:47 | 5        |    |    |    |   |   |   |    | X  |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |

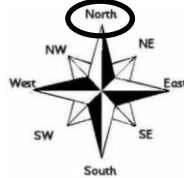
Weather Conditions

- 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: 11 °C

Relative Humidity: 83 %

Barometric Pressure: 101.25 kpa

Notes:

---

---

---

---

---

---

---

---

---

---

Date Signed: June 1, 2012

Name: Jackie Miles

Signature: Jackie Miles



**Table 1 - Odour Monitoring Circuit**  
**Air Monitoring Plan - Odour (AMPO)**

| <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                  | 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

