



## MEMORANDUM

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

**From:** Dawn MacNeil

**Date:** June 11, 2012

**Subject:** Odour Monitoring Daily Report; June 8, 2012

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|                           |                               |
|---------------------------|-------------------------------|
| <b>Weather Conditions</b> | Partly Cloudy                 |
| <b>Precipitation</b>      | None                          |
| <b>Wind Direction</b>     | North /North West             |
| <b>Wind Speed</b>         | Moderate Winds ( 8 - 25 km/h) |
| <b>Temperature</b>        | 8°C - 17°C                    |

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

Please find attached:

- Odour Monitoring Data Sheets for June 8, 2012
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: June 8, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 7:00 | 3        |    |    |    |   |   |   |    | X  |             |          |
| 7:07 | 6        |    |    |    |   |   |   |    | X  |             |          |
| 7:13 | 7        |    |    |    |   |   |   |    | X  |             |          |
| 7:18 | 8        |    |    |    |   |   |   |    | X  |             |          |
| 7:23 | 9        |    |    |    |   |   |   |    | X  |             |          |
| 7:30 | 10       |    |    |    |   |   |   | X  |    | 515         | WWTP     |
| 7:43 | 12       |    |    |    |   |   |   |    | X  |             |          |
| 7:51 | 17       |    |    |    |   |   |   |    | X  |             |          |
| 7:56 | 13       |    |    |    |   |   |   |    | X  |             |          |
| 8:01 | 14       |    |    |    |   |   |   |    | X  |             |          |
| 8:06 | 15       |    |    |    |   |   |   |    | X  |             |          |
| 8:12 | 16       |    |    |    |   |   |   |    | X  |             |          |
| 8:25 | 5        |    |    |    |   |   |   |    | X  |             |          |
| 8:34 | 1        |    |    |    |   |   |   |    | X  |             |          |
| 8:44 | 11       |    |    |    |   |   |   |    | X  |             |          |
| 8:49 | 2        |    |    |    |   |   |   |    | X  |             |          |
| 8:54 | 4        |    |    |    |   |   |   |    | X  |             |          |

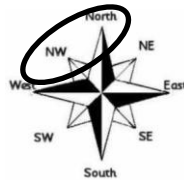
Weather Conditions

- 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: 80 %

Barometric Pressure: 100.82 kpa

Notes:

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Date Signed: June 8, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: June 8, 2012

| TIME  | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 9:24  | 3        |    |    |    |   |   |   |    | X  |             |          |
| 9:30  | 6        |    |    |    |   |   |   |    | X  |             |          |
| 9:36  | 7        |    |    |    |   |   |   |    | X  |             |          |
| 9:41  | 8        |    |    |    |   |   |   |    | X  |             |          |
| 9:46  | 9        |    |    |    |   |   |   |    | X  |             |          |
| 9:51  | 10       |    |    |    |   |   |   | X  |    | 515         | WWTP     |
| 10:06 | 12       |    |    |    |   |   |   |    | X  |             |          |
| 10:17 | 17       |    |    |    |   |   |   |    | X  |             |          |
| 10:23 | 13       |    |    |    |   |   |   |    | X  |             |          |
| 10:29 | 14       |    |    |    |   |   |   |    | X  |             |          |
| 10:34 | 15       |    |    |    |   |   |   |    | X  |             |          |
| 10:40 | 16       |    |    |    |   |   |   |    | X  |             |          |
| 10:53 | 5        |    |    |    |   |   |   |    | X  |             |          |
| 11:02 | 1        |    |    |    |   |   |   |    | X  |             |          |
| 11:07 | 11       |    |    |    |   |   |   |    | X  |             |          |
| 11:13 | 2        |    |    |    |   |   |   |    | X  |             |          |
| 11:18 | 4        |    |    |    |   |   |   |    | X  |             |          |

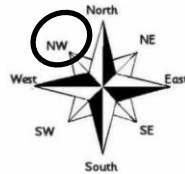
Weather Conditions

- 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: 68 %

Barometric Pressure: 100.90 kpa

Notes:

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Date Signed: June 8, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: June 8, 2012

| TIME  | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS          |
|-------|----------|----|----|----|---|---|---|----|----|-------------|-------------------|
| 11:31 | 3        |    |    |    |   |   |   |    | X  |             |                   |
| 11:38 | 6        |    |    |    |   |   |   |    | X  |             |                   |
| 11:43 | 7        |    |    |    |   |   |   | X  |    | 722         | Slight site odour |
| 11:48 | 8        |    |    |    |   |   |   | X  |    | 722         | Slight site odour |
| 11:54 | 9        |    |    |    |   |   |   | X  |    | 722         | Slight site odour |
| 12:01 | 10       |    |    |    |   |   |   | X  |    | 515         | WWTP              |
| 12:36 | 12       |    |    |    |   |   |   |    | X  |             |                   |
| 12:43 | 17       |    |    |    |   |   |   |    | X  |             |                   |
| 12:48 | 13       |    |    |    |   |   |   |    | X  |             |                   |
| 12:53 | 14       |    |    |    |   |   |   |    | X  |             |                   |
| 12:58 | 15       |    |    |    |   |   |   |    | X  |             |                   |
| 1:04  | 16       |    |    |    |   |   |   |    | X  |             |                   |
| 1:14  | 5        |    |    |    |   |   |   |    | X  |             |                   |
| 1:26  | 1        |    |    |    |   |   |   |    | X  |             |                   |
| 1:34  | 11       |    |    |    |   |   |   |    | X  |             |                   |
| 1:40  | 2        |    |    |    |   |   |   |    | X  |             |                   |
| 1:45  | 4        |    |    |    |   |   |   |    | X  |             |                   |

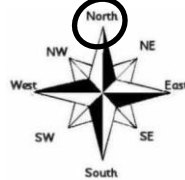
Weather Conditions

- 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: 52 %

Barometric Pressure: 100.95 kpa

Notes:

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Date Signed: June 8, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: June 8, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS          |
|------|----------|----|----|----|---|---|---|----|----|-------------|-------------------|
| 1:55 | 3        |    |    |    |   |   |   | X  |    | 722         | Slight site odour |
| 2:00 | 6        |    |    |    |   |   |   | X  |    | 722         | Slight site odour |
| 2:05 | 7        |    |    |    |   |   |   | X  |    | 722         | Slight site odour |
| 2:10 | 8        |    |    |    |   |   |   | X  |    | 722         | Slight site odour |
| 2:16 | 9        |    |    |    |   |   |   |    | X  |             |                   |
| 2:22 | 10       |    |    |    |   |   | X |    |    | 515         | WWTP              |
| 2:39 | 12       |    |    |    |   |   |   |    | X  |             |                   |
| 3:10 | 17       |    |    |    |   |   |   |    | X  |             |                   |
| 3:16 | 13       |    |    |    |   |   |   |    | X  |             |                   |
| 3:22 | 14       |    |    |    |   |   |   |    | X  |             |                   |
| 3:27 | 15       |    |    |    |   |   |   |    | X  |             |                   |
| 3:32 | 16       |    |    |    |   |   |   |    | X  |             |                   |
| 3:43 | 5        |    |    |    |   |   |   |    | X  |             |                   |
| 3:50 | 1        |    |    |    |   |   |   |    | X  |             |                   |
| 3:57 | 11       |    |    |    |   |   |   |    | X  |             |                   |
| 4:02 | 2        |    |    |    |   |   |   |    | X  |             |                   |
| 4:07 | 4        |    |    |    |   |   |   |    | X  |             |                   |

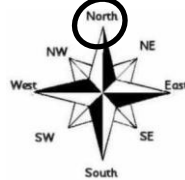
Weather Conditions

- 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: 39 %

Barometric Pressure: 100.95 kpa

Notes:

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Date Signed: June 8, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: June 8, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 4:15 | 3        |    |    |    |   |   |   |    | X  |             |          |
| 4:20 | 6        |    |    |    |   |   |   |    | X  |             |          |
| 4:25 | 7        |    |    |    |   |   |   |    | X  |             |          |
| 4:30 | 8        |    |    |    |   |   |   |    | X  |             |          |
| 4:35 | 9        |    |    |    |   |   |   |    | X  |             |          |
| 4:41 | 10       |    |    |    |   |   |   |    | X  |             |          |
| 4:51 | 12       |    |    |    |   |   |   |    | X  |             |          |
| 4:57 | 17       |    |    |    |   |   |   |    | X  |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |

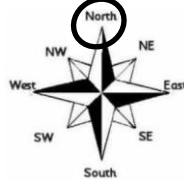
Weather Conditions

- 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: 17 °C

Relative Humidity: 38 %

Barometric Pressure: 100.91 kpa

Notes:

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Date Signed: June 8, 2012

Name: Denise Walker

Signature: Denise Walker



**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

