



## MEMORANDUM

**To:** Jerome MacNeil; Donnie Burke; Geoff Verner; Ellen Gushue; Barbara Mattie  
**From:** Peter Weaver  
**Date:** November 15, 2012  
**Subject:** Odour Monitoring Daily Report; November 14, 2012

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|                           |                              |
|---------------------------|------------------------------|
| <b>Weather Conditions</b> | Mostly Cloudy                |
| <b>Precipitation</b>      | <b>Rain</b>                  |
| <b>Wind Direction</b>     | North/North East             |
| <b>Wind Speed</b>         | Moderate Winds (8 - 25 km/h) |
| <b>Temperature</b>        | 6 °C - 8 °C                  |

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

Please find attached:

- Odour Monitoring Data Sheets for November 14, 2012
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: November 14, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS                                      |
|------|----------|----|----|----|---|---|---|----|----|-------------|---|
| 7:00 | 3        |    |    |    |   |   |   |    | X  |             |   |
| 7:11 | 6        |    |    |    |   |   |   |    | X  |             |   |
| 7:19 | 7        |    |    |    |   |   |   |    | X  |             |   |
| 7:24 | 8        |    |    |    |   |   |   |    | X  |             |   |
| 7:29 | 9        |    |    |    |   |   |   |    | X  |             |   |
| 7:34 | 10       |    |    |    |   |   |   | X  |    | 515         | Not site related – other activity in the area |
| 7:52 | 12       |    |    |    |   |   |   |    | X  |             |   |
| 7:58 | 17       |    |    |    |   |   |   |    | X  |             |   |
| 8:05 | 13       |    |    |    |   |   |   |    | X  |             |   |
| 8:10 | 14       |    |    |    |   |   |   |    | X  |             |   |
| 8:15 | 15       |    |    |    |   |   |   |    | X  |             |   |
| 8:20 | 16       |    |    |    |   |   |   |    | X  |             |   |
| 8:33 | 5        |    |    |    |   |   |   |    | X  |             |   |
| 8:39 | 1        |    |    |    |   |   |   |    | X  |             |   |
| 8:45 | 11       |    |    |    |   |   |   |    | X  |             |   |
| 8:50 | 2        |    |    |    |   |   |   |    | X  |             |   |
| 8:55 | 4        |    |    |    |   |   |   |    | X  |             |   |

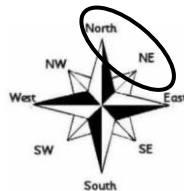
Weather Conditions

- 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: 87 %

Barometric Pressure: 102.76 kpa

Notes:

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Date Signed: November 14, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: November 14, 2012

| TIME  | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS                                      |
|-------|----------|----|----|----|---|---|---|----|----|-------------|---|
| 9:20  | 3        |    |    |    |   |   |   |    | X  |             |   |
| 9:27  | 6        |    |    |    |   |   |   |    | X  |             |   |
| 9:32  | 7        |    |    |    |   |   |   |    | X  |             |   |
| 9:38  | 8        |    |    |    |   |   |   |    | X  |             |   |
| 9:43  | 9        |    |    |    |   |   |   |    | X  |             |   |
| 9:49  | 10       |    |    |    |   |   |   | X  |    | 515         | Not site related – other activity in the area |
| 10:00 | 12       |    |    |    |   |   |   |    | X  |             |   |
| 10:09 | 17       |    |    |    |   |   |   |    | X  |             |   |
| 10:17 | 13       |    |    |    |   |   |   |    | X  |             |   |
| 10:22 | 14       |    |    |    |   |   |   |    | X  |             |   |
| 10:27 | 15       |    |    |    |   |   |   |    | X  |             |   |
| 10:32 | 16       |    |    |    |   |   |   |    | X  |             |   |
| 10:56 | 5        |    |    |    |   |   |   |    | X  |             |   |
| 11:03 | 1        |    |    |    |   |   |   |    | X  |             |   |
| 11:09 | 11       |    |    |    |   |   |   |    | X  |             |   |
| 11:32 | 2        |    |    |    |   |   |   |    | X  |             |   |
| 11:37 | 4        |    |    |    |   |   |   |    | X  |             |   |

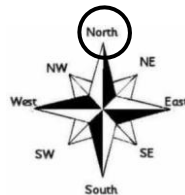
Weather Conditions

- 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: \_\_\_\_6\_\_ °C

Relative Humidity: \_\_\_\_84\_\_ %

Barometric Pressure: \_\_\_\_103.03\_\_ kpa

Notes:

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Date Signed: November 14, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: November 14, 2012

| TIME  | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS                                      |
|-------|----------|----|----|----|---|---|---|----|----|-------------|---|
| 12:30 | 3        |    |    |    |   |   |   |    | X  |             |   |
| 12:36 | 6        |    |    |    |   |   |   |    | X  |             |   |
| 12:41 | 7        |    |    |    |   |   |   |    | X  |             |   |
| 12:46 | 8        |    |    |    |   |   |   |    | X  |             |   |
| 12:51 | 9        |    |    |    |   |   |   |    | X  |             |   |
| 12:57 | 10       |    |    |    |   |   |   | X  |    | 515         | Not site related – other activity in the area |
| 1:15  | 12       |    |    |    |   |   |   |    | X  |             |   |
| 1:20  | 17       |    |    |    |   |   |   |    | X  |             |   |
| 1:25  | 13       |    |    |    |   |   |   |    | X  |             |   |
| 1:30  | 14       |    |    |    |   |   |   |    | X  |             |   |
| 1:35  | 15       |    |    |    |   |   |   |    | X  |             |   |
| 1:40  | 16       |    |    |    |   |   |   |    | X  |             |   |
| 1:50  | 5        |    |    |    |   |   |   |    | X  |             |   |
| 2:00  | 1        |    |    |    |   |   |   |    | X  |             |   |
| 2:07  | 11       |    |    |    |   |   |   |    | X  |             |   |
| 2:20  | 2        |    |    |    |   |   |   |    | X  |             |   |
| 2:27  | 4        |    |    |    |   |   |   |    | X  |             |   |

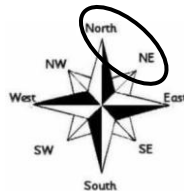
Weather Conditions

- 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: \_\_\_\_6\_\_\_\_ °C

Relative Humidity: \_\_\_\_84\_\_\_\_ %

Barometric Pressure: \_\_\_\_103.04\_\_\_\_ kpa

Notes:

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Date Signed: November 14, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: November 14, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS                                      |
|------|----------|----|----|----|---|---|---|----|----|-------------|---|
| 2:42 | 3        |    |    |    |   |   |   |    | X  |             |   |
| 2:48 | 6        |    |    |    |   |   |   |    | X  |             |   |
| 2:53 | 7        |    |    |    |   |   |   |    | X  |             |   |
| 2:58 | 8        |    |    |    |   |   |   |    | X  |             |   |
| 3:03 | 9        |    |    |    |   |   |   |    | X  |             |   |
| 3:08 | 10       |    |    |    |   |   |   | X  |    | 515         | Not site related – other activity in the area |
| 3:19 | 12       |    |    |    |   |   |   |    | X  |             |   |
| 3:25 | 17       |    |    |    |   |   |   |    | X  |             |   |
| 3:31 | 13       |    |    |    |   |   |   |    | X  |             |   |
| 3:36 | 14       |    |    |    |   |   |   |    | X  |             |   |
| 3:41 | 15       |    |    |    |   |   |   |    | X  |             |   |
| 3:46 | 16       |    |    |    |   |   |   |    | X  |             |   |
| 3:58 | 5        |    |    |    |   |   |   |    | X  |             |   |
| 4:06 | 1        |    |    |    |   |   |   |    | X  |             |   |
| 4:12 | 11       |    |    |    |   |   |   |    | X  |             |   |
| 4:19 | 2        |    |    |    |   |   |   |    | X  |             |   |
| 4:24 | 4        |    |    |    |   |   |   |    | X  |             |   |

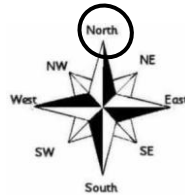
Weather Conditions

- 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: \_\_\_\_5\_\_\_\_ °C

Relative Humidity: \_\_\_\_83\_\_\_\_ %

Barometric Pressure: \_\_\_\_103.01\_\_\_\_ kpa

Notes:

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Date Signed: November 14, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: November 14, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 4:32 | 3        |    |    |    |   |   |   |    | X  |             |          |
| 4:38 | 6        |    |    |    |   |   |   |    | X  |             |          |
| 4:43 | 7        |    |    |    |   |   |   |    | X  |             |          |
| 4:48 | 8        |    |    |    |   |   |   |    | X  |             |          |
| 4:53 | 9        |    |    |    |   |   |   |    | X  |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |
|      |          |    |    |    |   |   |   |    |    |             |          |

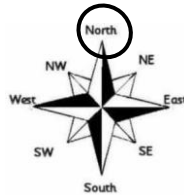
Weather Conditions

- 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: \_\_\_\_5\_\_\_\_ °C

Relative Humidity: \_\_\_\_84\_\_\_\_ %

Barometric Pressure: \_\_\_\_103.00\_\_\_\_ kpa

Notes:

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Date Signed: November 14, 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

