



MEMORANDUM

To: Jerome MacNeil; Donnie Burke; Geoff Verner; Ellen Gushue; Barbara Mattie
From: Peter Weaver
Date: December 3, 2012
Subject: Odour Monitoring Daily Report; November 29, 2012

| | |
|---------------------------|-----------------------------|
| Weather Conditions | Mostly Cloudy |
| Precipitation | Snow |
| Wind Direction | North/North West |
| Wind Speed | Moderate Wind (8 - 25 km/h) |
| Temperature | 0 °C - 1 °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 December 3, 2012
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: November 29, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|---|
| 7:05 | 3 | | | | | | | | X | | |
| 7:16 | 6 | | | | | | | | X | | |
| 7:21 | 7 | | | | | | | | X | | |
| 7:28 | 8 | | | | | | | | X | | |
| 7:36 | 9 | | | | | | | | X | | |
| 7:42 | 10 | | | | | | | X | | 515 | Not site related – other activity in the area |
| 7:58 | 12 | | | | | | | | X | | |
| 8:06 | 17 | | | | | | | | X | | |
| 8:12 | 13 | | | | | | | | X | | |
| 8:20 | 14 | | | | | | | | X | | |
| 8:25 | 15 | | | | | | | | X | | |
| 8:30 | 16 | | | | | | | | X | | |
| 8:47 | 5 | | | | | | | | X | | |
| 8:53 | 1 | | | | | | | | X | | |
| 8:59 | 11 | | | | | | | | X | | |
| 9:05 | 2 | | | | | | | | X | | |
| 9:10 | 4 | | | | | | | | X | | |

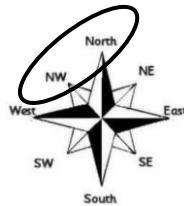
Weather Conditions

- 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: ____ -1 ____ °C

Relative Humidity: ____ 95 ____ %

Barometric Pressure: ____ 101.11 ____ kpa

Notes:

Date Signed: November 29, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: November 29, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|---|
| 9:50 | 3 | | | | | | | | X | | |
| 9:58 | 6 | | | | | | | | X | | |
| 10:04 | 7 | | | | | | | X | | 411 | Not site related – other activity in the area |
| 10:10 | 8 | | | | | | | X | | 515/712/706 | Not site related – other activity in the area |
| 10:16 | 9 | | | | | | | | X | | |
| 10:21 | 10 | | | | | | | X | | 515 | Not site related – other activity in the area |
| 10:33 | 12 | | | | | | | | X | | |
| 10:39 | 17 | | | | | | | | X | | |
| 10:44 | 13 | | | | | | | | X | | |
| 10:49 | 14 | | | | | | | | X | | |
| 10:54 | 15 | | | | | | | | X | | |
| 10:59 | 16 | | | | | | | | X | | |
| 11:10 | 5 | | | | | | | | X | | |
| 11:17 | 1 | | | | | | | | X | | |
| 11:24 | 11 | | | | | | | | X | | |
| 11:29 | 2 | | | | | | | | X | | |
| 11:34 | 4 | | | | | | | | X | | |

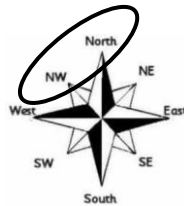
Weather Conditions

- 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: ____ -1 ____ °C

Relative Humidity: ____ 95 ____ %

Barometric Pressure: ____ 101.02 ____ kpa

Notes:

Date Signed: November 29, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: November 29, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|---|
| 12:35 | 3 | | | | | | | | X | | |
| 12:45 | 6 | | | | | | | | X | | |
| 12:52 | 7 | | | | | | | X | | 411 | Not site related – other activity in the area |
| 12:57 | 8 | | | | | | | X | | 411/212 | Not site related – other activity in the area |
| 1:03 | 9 | | | | | | | | X | | |
| 1:09 | 10 | | | | | | | X | | 515 | Not site related – other activity in the area |
| 1:19 | 12 | | | | | | | | X | | |
| 1:26 | 17 | | | | | | | | X | | |
| 1:32 | 13 | | | | | | | | X | | |
| 1:37 | 14 | | | | | | | | X | | |
| 1:42 | 15 | | | | | | | | X | | |
| 1:47 | 16 | | | | | | | | X | | |
| 2:58 | 5 | | | | | | | | X | | |
| 3:10 | 1 | | | | | | | | X | | |
| 3:16 | 11 | | | | | | | | X | | |
| 3:21 | 2 | | | | | | | | X | | |
| 3:29 | 4 | | | | | | | | X | | |

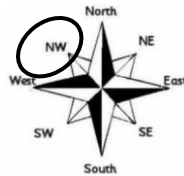
Weather Conditions

- 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: ____0__ °C

Relative Humidity: ____79__%

Barometric Pressure: ____100.93__ kpa

Notes:

Date Signed: November 29, 2012

Name: Denise Walker

Signature: Denise Walker

ODOUR MONITORING DATA SHEET

DATE: November 29, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|---|
| 3:39 | 3 | | | | | | | | X | | |
| 3:46 | 6 | | | | | | | | X | | |
| 3:51 | 7 | | | | | | | | X | | |
| 3:56 | 8 | | | | | | | | X | | |
| 4:03 | 9 | | | | | | | | X | | |
| 4:09 | 10 | | | | | | | X | | 515 | Not site related – other activity in the area |
| 4:19 | 12 | | | | | | | | X | | |
| 4:26 | 17 | | | | | | | | X | | |
| 4:32 | 13 | | | | | | | | X | | |
| 4:37 | 14 | | | | | | | | X | | |
| 4:43 | 15 | | | | | | | | X | | |
| 4:48 | 16 | | | | | | | | X | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

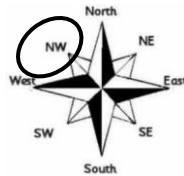
Weather Conditions

- 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: ____0__ °C

Relative Humidity: ____79__%

Barometric Pressure: ____100.93__ kpa

Notes:

Date Signed: November 29, 2012

Name: Denise Walker

Signature: Denise Walker

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

| Location No. | Description | Latitude (Degrees (°) Minutes (') Seconds (") | Longitude (Degrees (°) Minutes (') Seconds (") |
|---------------------|---|--|---|
| 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

