



MEMORANDUM

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

From: Dawn MacNeil

Date: July 24, 2012

Subject: Odour Monitoring Daily Report; July 20, 2012

| | |
|---------------------------|----------------------------------|
| Weather Conditions | Partly Cloudy |
| Precipitation | None |
| Wind Direction | North/North West |
| Wind Speed | Strong Wind (25 km/h or higher) |
| Temperature | 13 °C - 18 °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 July 20, 2012
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: July 20, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|--------------------------|
| 7:03 | 3 | | | | | | | | X | | |
| 7:10 | 6 | | | | | | | | X | | |
| 7:16 | 7 | | | | | | | | X | | |
| 7:23 | 8 | | | | | | | | X | | |
| 7:29 | 9 | | | | | | | | X | | |
| 7:35 | 10 | | | | | | | X | | 515 | Non site related - sewer |
| 7:48 | 12 | | | | | | | | X | | |
| 8:00 | 17 | | | | | | | | X | | |
| 8:08 | 13 | | | | | | | | X | | |
| 8:14 | 14 | | | | | | | | X | | |
| 8:19 | 15 | | | | | | | | X | | |
| 8:24 | 16 | | | | | | | | X | | |
| 8:40 | 5 | | | | | | | | X | | |
| 8:47 | 1 | | | | | | | | X | | |
| 8:53 | 11 | | | | | | | | X | | |
| 8:58 | 2 | | | | | | | | X | | |
| 9:03 | 4 | | | | | | | | X | | |

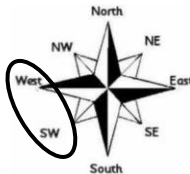
Weather Conditions

- 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: 90 %

Barometric Pressure: 100.77 kpa

Notes:

Date Signed: July 20, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: July 20, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|--------------------------|
| 9:18 | 3 | | | | | | | | X | | |
| 9:24 | 6 | | | | | | | | X | | |
| 9:30 | 7 | | | | | | | | X | | |
| 9:35 | 8 | | | | | | | X | | 722/400 | Slight site odour |
| 9:42 | 9 | | | | | | | | X | | |
| 9:48 | 10 | | | | | | | X | | 515 | Non site related - sewer |
| 10:00 | 12 | | | | | | | | X | | |
| 10:09 | 17 | | | | | | | | X | | |
| 10:15 | 13 | | | | | | | | X | | |
| 10:21 | 14 | | | | | | | | X | | |
| 10:27 | 15 | | | | | | | | X | | |
| 10:33 | 16 | | | | | | | | X | | |
| 10:46 | 5 | | | | | | | | X | | |
| 10:56 | 1 | | | | | | | | X | | |
| 11:02 | 11 | | | | | | | | X | | |
| 11:07 | 2 | | | | | | | | X | | |
| 11:13 | 4 | | | | | | | | X | | |

Weather Conditions

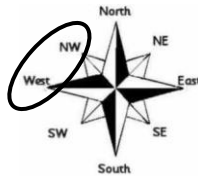
Precipitation

Wind Direction (Blowing From)

Wind Speed

- Mostly Sunny
- Partly Cloudy
- Mostly Cloudy
- Overcast
- Hazy

- None
- Fog
- Rain
- Sleet
- Snow



- 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: 73 %

Barometric Pressure: 100.92 kpa

Notes:

Date Signed: July 20, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: July 20, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|-------------------------|
| 11:19 | 3 | | | | | | | | X | | |
| 11:25 | 6 | | | | | | | | X | | |
| 11:31 | 7 | | | | | | | | X | | |
| 11:36 | 8 | | | | | | | | X | | |
| 11:42 | 9 | | | | | | | X | | 722 | Slight site odour |
| 11:49 | 10 | | | | | | X | | | 515 | Non site related(Sewer) |
| 12:30 | 12 | | | | | | | | X | | |
| 12:40 | 17 | | | | | | | | X | | |
| 12:47 | 13 | | | | | | | | X | | |
| 12:53 | 14 | | | | | | | | X | | |
| 12:58 | 15 | | | | | | | | X | | |
| 1:04 | 16 | | | | | | | | X | | |
| 1:25 | 5 | | | | | | | | X | | |
| 1:34 | 1 | | | | | | | | X | | |
| 1:42 | 11 | | | | | | | | X | | |
| 1:48 | 2 | | | | | | | | X | | |
| 1:55 | 4 | | | | | | | | X | | |

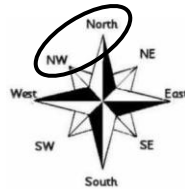
Weather Conditions

- 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: 17 °C

Relative Humidity: 74 %

Barometric Pressure: 101.07 kpa

Notes:

Date Signed: July 20, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: July 20, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|-------------------------|
| 2:04 | 3 | | | | | | | | X | | |
| 2:11 | 6 | | | | | | | | X | | |
| 2:18 | 7 | | | | | | | | X | | |
| 2:23 | 8 | | | | | | | | X | | |
| 2:29 | 9 | | | | | | | | | | |
| 2:36 | 10 | | | | | | | X | | 515 | Non site related(Sewer) |
| 2:51 | 12 | | | | | | | | X | | |
| 3:00 | 17 | | | | | | | | X | | |
| 3:07 | 13 | | | | | | | | X | | |
| 3:13 | 14 | | | | | | | | X | | |
| 3:18 | 15 | | | | | | | | X | | |
| 3:24 | 16 | | | | | | | | X | | |
| 3:35 | 5 | | | | | | | | X | | |
| 3:43 | 1 | | | | | | | | X | | |
| 3:51 | 11 | | | | | | | X | | 722 | Slight site odour |
| 3:56 | 2 | | | | | | | | X | | |
| 4:01 | 4 | | | | | | | | X | | |

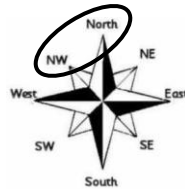
Weather Conditions

- 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: 17 °C

Relative Humidity: 68 %

Barometric Pressure: 101.27 kpa

Notes:

Date Signed: July 20, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: July 20, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|-------------------------|
| 4:10 | 3 | | | | | | | | X | | |
| 4:17 | 6 | | | | | | | | X | | |
| 4:23 | 7 | | | | | | | | X | | |
| 4:30 | 8 | | | | | | | | X | | |
| 4:36 | 9 | | | | | | | | X | | |
| 4:44 | 10 | | | | | | | X | | 515 | Non site related(Sewer) |
| 4:56 | 12 | | | | | | | | X | | |
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Weather Conditions

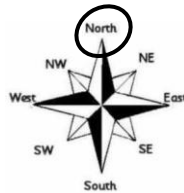
Precipitation

Wind Direction (Blowing From)

Wind Speed

- Mostly Sunny
- Partly Cloudy
- Mostly Cloudy
- Overcast
- Hazy

- None
- Fog
- Rain
- Sleet
- Snow



- 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: 65 %

Barometric Pressure: 101.38 kpa

Notes: _____

Date Signed: July 20, 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

