



MEMORANDUM

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

From: Dawn MacNeil

Date: July 4, 2012

Subject: Odour Monitoring Daily Report; July 3, 2012

| | |
|---------------------------|----------------------------|
| Weather Conditions | Overcast/ Partly Cloudy |
| Precipitation | Fog |
| Wind Direction | North |
| Wind Speed | Light Breeze (1 - 8 km/h) |
| Temperature | 13 °C - 21 °C |

Four rounds of monitoring were conducted today with no quantifiable site-related odours greater than 4 detected.

Please find attached:

- Odour Monitoring Data Sheets for July 3, 2012
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: July 3, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 7:01 | 3 | | | | | | | | X | | |
| 7:10 | 6 | | | | | | | | X | | |
| 7:15 | 7 | | | | | | | | X | | |
| 7:20 | 8 | | | | | | | | X | | |
| 7:40 | 9 | | | | | | | | X | | |
| 7:46 | 10 | | | | | | | | X | | |
| 7:58 | 12 | | | | | | | | X | | |
| 8:05 | 17 | | | | | | | | X | | |
| 8:12 | 13 | | | | | | | | X | | |
| 8:17 | 14 | | | | | | | | X | | |
| 8:22 | 15 | | | | | | | | X | | |
| 8:27 | 16 | | | | | | | | X | | |
| 8:39 | 5 | | | | | | | | X | | |
| 8:46 | 1 | | | | | | | | X | | |
| 8:54 | 11 | | | | | | | | X | | |
| 9:01 | 2 | | | | | | | | X | | |
| 9:06 | 4 | | | | | | | | X | | |

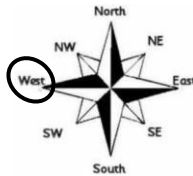
Weather Conditions

- 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: 99 %

Barometric Pressure: 100.76 kpa

Notes:

Date Signed: June 3, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: July 3, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|--------------------------|
| 9:24 | 3 | | | | | | | | X | | |
| 9:30 | 6 | | | | | | | | X | | |
| 9:39 | 7 | | | | | | | | X | | |
| 9:44 | 8 | | | | | | | X | | 722 | Slight site odour |
| 9:50 | 9 | | | | | | | | X | | |
| 9:56 | 10 | | | | | | | X | | 515 | Non site related (Sewer) |
| 10:10 | 12 | | | | | | | | X | | |
| 10:16 | 17 | | | | | | | | X | | |
| 10:22 | 13 | | | | | | | | X | | |
| 10:30 | 14 | | | | | | | | X | | |
| 10:35 | 15 | | | | | | | | X | | |
| 10:40 | 16 | | | | | | | | X | | |
| 10:56 | 5 | | | | | | | | X | | |
| 11:04 | 1 | | | | | | | | X | | |
| 11:12 | 11 | | | | | | | | X | | |
| 11:18 | 2 | | | | | | | | X | | |
| 11:25 | 4 | | | | | | | X | | 722 | Slight site odour |

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: 99 %

Barometric Pressure: 100.82 kpa

Notes:

Date Signed: June 3, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: July 3, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|-----------------------------|
| 11:43 | 3 | | | | | | | | X | | |
| 11:50 | 6 | | | | | | | X | | 722 | Slight site odour |
| 12:32 | 7 | | | | | | | | X | | |
| 12:38 | 8 | | | | | | | | X | | |
| 12:44 | 9 | | | | | X | | | | 722 | Site odour |
| 1:01 | 10 | | | | | | | X | | 515 | Non site related (Sewer) |
| 1:48 | 12 | | | | | | | | X | | |
| 1:57 | 17 | | | | | | | | X | | |
| 2:03 | 13 | | | | | | | | X | | |
| 2:09 | 14 | | | | | | | | X | | |
| 2:14 | 15 | | | | | | | | X | | |
| 2:19 | 16 | | | | | | | | X | | |
| 2:31 | 5 | | | | | | | X | | 507 | Non site related (Landfill) |
| 2:40 | 1 | | | | | | | | X | | |
| 2:47 | 11 | | | | | | | | X | | |
| 2:52 | 2 | | | | | | | | X | | |
| 2:57 | 4 | | | | | | | | X | | |

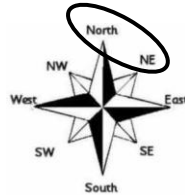
Weather Conditions

- 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: 96 %

Barometric Pressure: 100.88 kpa

Notes:

Date Signed: June 3, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: July 3, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|---------------------------|
| 3:05 | 3 | | | | | | | | X | | |
| 3:11 | 6 | | | | | | | X | | 722 | Site odour |
| 3:18 | 7 | | | | | | | X | | 722 | Site odour |
| 3:24 | 8 | | | | | | | X | | 722 | Slight site odour |
| 3:30 | 9 | | | | | | | | X | | |
| 3:36 | 10 | | | | | | X | | | 515 | Non site related (Sewer) |
| 3:54 | 12 | | | | | | | | X | | |
| 4:05 | 17 | | | | | | | | X | | |
| 4:11 | 13 | | | | | | | | X | | |
| 4:16 | 14 | | | | | | | | X | | |
| 4:20 | 15 | | | | | | | | X | | |
| 4:25 | 16 | | | | | | | | X | | |
| 4:37 | 5 | | | | | | | X | | 722 | Coke ovens gas like odour |
| 4:50 | 1 | | | | | | | X | | 722 | Slight site odour |
| 4:56 | 11 | | | | | | | | X | | |
| 5:01 | 2 | | | | | | | X | | 722 | Very slight site odour |
| 5:06 | 4 | | | | | | | X | | 722 | Site odour |

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: 21 °C

Relative Humidity: 81 %

Barometric Pressure: 100.94 kpa

Notes: _____

Date Signed: June 3, 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

