



MEMORANDUM

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

From: Dawn MacNeil

Date: September 14, 2012

Subject: Odour Monitoring Daily Report; September 12, 2012

| | |
|---------------------------|----------------------------|
| Weather Conditions | Mostly Sunny |
| Precipitation | None |
| Wind Direction | North/North West |
| Wind Speed | Moderate Wind (8 -25 km/h) |
| Temperature | 10 °C - 22 °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 September 12, 2012
- Monitoring circuit map
- Monitoring circuit locations
- Odour descriptor wheel



ODOUR MONITORING DATA SHEET

DATE: September 12, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 7:01 | 3 | | | | | | | | X | | |
| 7:11 | 6 | | | | | | | | X | | |
| 7:17 | 7 | | | | | | | | X | | |
| 7:22 | 8 | | | | | | | | X | | |
| 7:27 | 9 | | | | | | | | X | | |
| 7:32 | 10 | | | | | | | | X | | |
| 7:51 | 12 | | | | | | | | X | | |
| 7:58 | 17 | | | | | | | | X | | |
| 8:03 | 13 | | | | | | | | X | | |
| 8:08 | 14 | | | | | | | | X | | |
| 8:13 | 15 | | | | | | | | X | | |
| 8:18 | 16 | | | | | | | | X | | |
| 8:36 | 5 | | | | | | | | X | | |
| 8:48 | 1 | | | | | | | | X | | |
| 8:53 | 11 | | | | | | | | X | | |
| 8:58 | 2 | | | | | | | | X | | |
| 9:03 | 4 | | | | | | | | X | | |

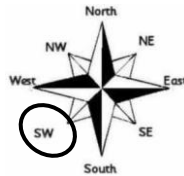
Weather Conditions

- 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: 10 °C

Relative Humidity: 90 %

Barometric Pressure: 102.18 kpa

Notes:

Date Signed: September 12, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: September 12, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 9:15 | 3 | | | | | | | | X | | |
| 9:21 | 6 | | | | | | | | X | | |
| 9:26 | 7 | | | | | | | | X | | |
| 9:31 | 8 | | | | | | | | X | | |
| 9:37 | 9 | | | | | | | | X | | |
| 9:42 | 10 | | | | | | | | X | | |
| 9:50 | 12 | | | | | | | | X | | |
| 9:57 | 17 | | | | | | | | X | | |
| 10:03 | 13 | | | | | | | | X | | |
| 10:08 | 14 | | | | | | | | X | | |
| 10:13 | 15 | | | | | | | | X | | |
| 10:18 | 16 | | | | | | | | X | | |
| 10:36 | 5 | | | | | | | | X | | |
| 10:42 | 1 | | | | | | | | X | | |
| 10:48 | 11 | | | | | | | | X | | |
| 10:53 | 2 | | | | | | | | X | | |
| 11:00 | 4 | | | | | | | | X | | |

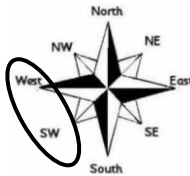
Weather Conditions

- 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: 85 %

Barometric Pressure: 102.38 kpa

Notes:

Date Signed: September 12, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: September 12, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|-------|----------|----|----|----|---|---|---|----|----|-------------|-------------------|
| 11:15 | 3 | | | | | | | | X | | |
| 11:23 | 6 | | | | | | | | X | | |
| 11:28 | 7 | | | | | | | | X | | |
| 11:34 | 8 | | | | | | | | X | | |
| 11:39 | 9 | | | | | | | | X | | |
| 11:45 | 10 | | | | | | | | X | | |
| 12:32 | 12 | | | | | | | | X | | |
| 12:38 | 17 | | | | | | | | X | | |
| 12:45 | 13 | | | | | | | | X | | |
| 12:51 | 14 | | | | | | | | X | | |
| 12:56 | 15 | | | | | | | | X | | |
| 1:02 | 16 | | | | | | | | X | | |
| 1:22 | 5 | | | | | | | X | | 722/713 | Slight site odour |
| 1:29 | 1 | | | | | | | | X | | |
| 1:36 | 11 | | | | | | | | X | | |
| 1:43 | 2 | | | | | | | | X | | |
| 1:48 | 4 | | | | | | | | X | | |

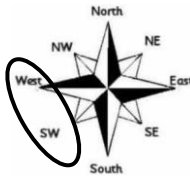
Weather Conditions

- 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: 18 °C

Relative Humidity: 65 %

Barometric Pressure: 102.49 kpa

Notes:

Date Signed: September 12, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: September 12, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|-------------------|
| 2:00 | 3 | | | | | | | | X | | |
| 2:06 | 6 | | | | | | | | X | | |
| 2:11 | 7 | | | | | | | | X | | |
| 2:16 | 8 | | | | | | | | X | | |
| 2:21 | 9 | | | | | | | | X | | |
| 2:27 | 10 | | | | | | | | X | | |
| 2:50 | 12 | | | | | | | | X | | |
| 3:00 | 17 | | | | | | | | X | | |
| 3:07 | 13 | | | | | | | | X | | |
| 3:12 | 14 | | | | | | | | X | | |
| 3:17 | 15 | | | | | | | | X | | |
| 3:22 | 16 | | | | | | | | X | | |
| 3:39 | 5 | | | | | | | X | | 722/713 | Slight site odour |
| 3:52 | 1 | | | | | | | | X | | |
| 3:58 | 11 | | | | | | | | X | | |
| 4:05 | 2 | | | | | | | | X | | |
| 4:10 | 4 | | | | | | | | X | | |

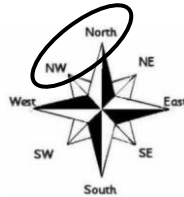
Weather Conditions

- 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: 21 °C

Relative Humidity: 50 %

Barometric Pressure: 102.54 kpa

Notes:

Date Signed: September 12, 2012

Name: Denise Walker

Signature: Denise Walker



ODOUR MONITORING DATA SHEET

DATE: September 12, 2012

| TIME | LOCATION | 60 | 30 | 15 | 7 | 4 | 2 | <2 | ND | DESCRIPTORS | COMMENTS |
|------|----------|----|----|----|---|---|---|----|----|-------------|----------|
| 4:20 | 3 | | | | | | | | X | | |
| 4:26 | 6 | | | | | | | | X | | |
| 4:31 | 7 | | | | | | | | X | | |
| 4:36 | 8 | | | | | | | | X | | |
| 4:42 | 9 | | | | | | | | X | | |
| 4:47 | 10 | | | | | | | | X | | |
| 4:54 | 12 | | | | | | | | X | | |
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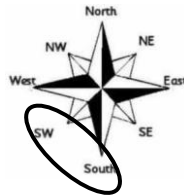
Weather Conditions

- 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: 22 °C

Relative Humidity: 46 %

Barometric Pressure: 102.53 kpa

Notes: _____

Date Signed: September 12, 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

