



## **Measures Taken to Improve Odour Control Works**

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**ANNUAL REPORT - 2015  
FOR HARVEST FRASER RICHMOND ORGANICS  
dba HARVEST  
Covering January 1, 2015 to December 31, 2015**

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## **Measures Taken to Improve Odour Control Works**

Harvest Power is operating a compost facility and an anaerobic digester on 24 acre in Richmond BC. Aerobic and anaerobic processing of organic material naturally generates emissions and odors.

As responsible operators, citizens, and neighbors Harvest Power is continuously striving to virtually eliminate the impact of our operations on the environment.

Points of discharge into the atmosphere are subject to (a) a strict monitoring schedule, (b) prompt corrective action where necessary, (c) continuous efforts to improve all aspects of the operations.

While there are strict monitoring and improvement plans in place for the on-site odour control tools, such as biofilters, our recent efforts have focused on reducing odour production, rather than dealing with the odours after the fact. To this end, the Progressive Odour Management Plan (POMP) was updated this year.

Measures taken to improve odor control works from January 1, 2015 to December 31, 2015 are:

### **1. Combined Heat and Power Unit (CHP)**

- 1.1. 12,000 hour engine service completed in May
- 1.2. 14,000 hour engine service completed in October
- 1.3. Desulphurization unit recommissioned in October

### **2. Flare**

- 2.1. The flare is maintained regularly as part of an on-going contract

### **3. Biofilter Energy Garden**

- 3.1. Daily visual inspections
- 3.2. Analyzed weekly for velocity, pH, pressure and temperature
- 3.3. Watering as needed
- 3.4. Analyzed quarterly for VOCs and odour

#### **4. Biofilter SW CASP**

- 4.1. Daily visual inspections
- 4.2. Analyzed weekly for velocity, pH, pressure and temperature
- 4.3. Repairs to plumbing/ducting
- 4.4. Full media replacement in November
- 4.5. Analyzed quarterly for VOCs and odour

#### **5. Biofilter NE CASP**

- 5.1. Daily visual inspections
- 5.2. Analyzed weekly for velocity, pH, pressure and temperature
- 5.3. Repairs to plumbing/ducting
- 5.4. Full media replacement in October
- 5.5. Analyzed quarterly for VOCs and odour

#### **6. Biofilter primary screener**

- 6.1. Daily visual inspections
- 6.2. Analyzed weekly for velocity, pH, pressure and temperature
- 6.3. Inlet grate cleaned out as needed
- 6.4. Analyzed quarterly for VOCs and odour