



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

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**ANUAL REPORT - 2014  
FOR HARVEST POWER RICHMOND**  
Covering January 1, 2014 to December 31, 2014

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Richmond, BC, March, 2015

## **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, 2014 to December 31, 2014 are:

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

- 1.1. A full engine service was performed in February 2014
- 1.2. The 8,000hr service was performed in June 2014
- 1.3. Engine maintenance and adjustments were made in August 2014
- 1.4. The 10,000hr service was performed in December along with removal and overhaul of the turbo

### **2. Flare**

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

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

- 3.1. Daily monitoring
- 3.2. watering as needed, misters at inlet recommissioned
- 3.3. Media supplemented to increase EBRT
- 3.4. Analyzed quarterly for VOCs and odour

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

- 4.1. Daily monitoring
- 4.2. Repairs to plumbing/ducting
- 4.3. Supplement of organic media in October
- 4.4. Analyzed quarterly for VOCs and odour

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

- 5.1. Daily monitoring
- 5.2. Repairs to plumbing/ducting
- 5.3. Supplement of organic media in October
- 5.4. Analyzed quarterly for VOCs and odour

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

- 6.1. Daily monitoring
- 6.2. Inlet grate cleaned out as needed
- 6.3. Analyzed quarterly for VOCs and odour