

November 19, 2012

Project No: 121-23044-00

Mr. Eshetu Beshada

Environmental Engineer, Environmental Assessment and Licensing Branch
MANITOBA CONSERVATION
Suite 160, 123 Main Street
Winnipeg, MB, R3C 1A5

Dear Mr. Beshada,

RE: ENVIRONMENT ACT PROPOSAL – Greenwald Colony Farm Biomass Pelletizing Plant

The following is in response to your letter dated October 23, 2012 requesting additional information.

1. Provide the production capacity of the proposed plant:

The equipment specifications are for a maximum total capacity of 4.4 tonnes per hour. The plant will be expected to run near capacity on an as needed basis and for a limited period of time during regular daylight business hours.

2. A more detailed process description regarding the pelletizing process. Including the following but not limited to:
 - a. Physical properties of the proposed feed materials and final pellet:

Greenwald Colony Farms has a variety of agricultural byproduct material expected to pellet, including straws, and could also include other available organic feedstock such as sawdust.

The pellets themselves will consist of compressed organic material produced in an elliptical cylinder shape with dimensions of 3/8 inches diameter and 1 to 1.5 inches long.

- b. Anticipated Volatile Organic Compounds (VOC) emission due to the drying process and proposed mitigation.

Anticipated VOC's such as Aldehydes (common to wood pellet production) would be collected in line by the cyclone air collection system and directed back into the production line.

- c. Any binding agent to be used for the pelletizing process.

No binding agents will be added during the production process.

- d. If possible include an anticipated emission of the proposed pellet during burning.

No data available.

3. A monitoring program of the exhaust air from the building for any pollutant:

The equipment is specifically designed with cyclone air collection systems to collect all air and dust. This system will be checked regularly for functional effectiveness. There will be no direct (stack) exhaust from the building. Greenwald Farms will adhere to any mandatory monitoring program required by Manitoba Conservation.

4. Mitigation methods for possible fugitive emissions:

Visual monitoring of the storage area with controls that include limiting pile heights and limiting exposed pile faces to high winds (wind breaks; vegetative or screens)

There should be no fugitive emissions within the building; the production line is specifically designed with cyclone air collection systems to collect all air and dust. This system will be checked regularly for functional effectiveness.

5. Mitigation methods to control dust due to loading and unloading trucks:

Greenwald Colony Farm will closely monitor any dust issues that arise from loading and unloading trucks and have an operational procedure proposed that will have available water and pump operator spray nozzle to wet the loading and unloading area to prevent excessive dust issues during transportation operations.

Regards,

GENIVAR

A handwritten signature in black ink that reads "Iain Pimlott". The signature is written in a cursive style with a long, sweeping underline.

Iain D. A. Pimlott, B.Sc., C. Tech, CCEP
Senior Environmental Scientist