



BC Sustainable Poultry Farming Group

Project updates for June 3, 2016 meeting

2014-05 Broiler Litter and Horse Bedding Gasification Feasibility Study

- Project is complete. Final documents were reviewed and will be posted on website

2015-01 Genomic Analysis of Wetland Sediment as a Tool for Avian Influenza Virus Surveillance in Wild Waterfowl

- Still working on analysing the samples have been analyzed. Working on an application for Phase Two.

2015-02 The Development and Commercialization of Aerobic Digestion of Poultry Manure to Produce Bio-Active Fertilizers

- They continue to make progress and are investigating using screw presses to extract the nutrient solution, adding a flocculation agent, filters, and using nitric and sulphuric acid for pH control.

2015-03 Development of a Point-of-Care PCR diagnostic platform and assays for the poultry industry

- They have developed all the tests and proven that the tests have worked in their lab. They are now at the point to test the effectiveness of their products in detecting low pathogen levels. The next step is to work with Dr Himsworth's wetland sediment study to compare results.

2015 07 additional Reducing Salmonella and Campylobacter contamination of poultry

- They have been working on recovering and analyzing lactobacilli that naturally colonize chickens for probiotic activity against *C. jejuni* and *S. typhimurium*. They expect more results the end of summer.

2015-08 Diatomaceous Earth as a poultry feed supplement (*letter of support*)

- The project has started.

2015-09 Antibiotic Free Broiler Chicken Production (*letter of support*)

- The first flock is finished. They ended up with a 2 kg bird at 40 days and a 1.76 FCR. Mortality was 10.1% and condemnments were 1.26%.