



## BC Sustainable Poultry Farming Group (SPFG)

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### Status Summary for May 26, 2017 SPFG Committee Meeting

*Brian Whitta has replaced Amanda Martin as the broiler representative.*

One new proposal was reviewed:

#### **2017-01 - Designing an overpressure filtered air ventilation system.**

- **Decision: The project was deferred pending more information.**

#### **Updates on other SPFG projects:**

**2015-01** *Genomic Analysis of Wetland Sediment as a Tool for Avian Influenza Virus Surveillance in Wild Waterfowl* – they will be providing an update in person at the next SPFG meeting.

**2015-02** *The Development and Commercialization of Aerobic Digestion of Poultry Manure to Produce Bio-Active Fertilizers* – they continue to make progress and testing different methods and additives.

**2015-07** *Reducing Salmonella and Campylobacter contamination of poultry* - they continue to work on the different aspects of the project including: the microencapsulation of garlic oil and diallyl sulfide; the microencapsulation of Lactobacillus under acidic conditions; determining the effect of garlic-derived organosulfur compounds on *C. jejuni* colonization of chickens; and constructing a Lactobacillus vaccine strain

**2016-01** *Turkey Manure Fermentation* - they did not receive the matching funding, so SPFG has pulled their funding

**2016-02** *One-day knowledge translation workshop in April 2017 on Wetland Sediment testing as a Tool for Avian Influenza Virus Surveillance* - the workshop has been delayed.

**2016-04** *Validation of Cedar Leaf Oil Vapor in Poultry Hatcheries and Processing Facilities* - they received \$140,000 from the Investment Agriculture Foundation. They've installed their system in a chicken broiler barn. They are now in the final stages of the second cycle and morality is again around 3%, which is approximately 50% less than the average. The chicken production weights have also increased about 10%, compared to average. They have also installed a system in a chicken processing facility.

**2016-06** *BCAC's Public Trust Initiative* - BCAC received approval for the project concept at their AGM. The BCAC Board approved the draft Terms of Reference for the steering committee, draft work plan and coordinator's job description. Shar Bennie is the poultry rep on the steering committee.

**2016-07** *Development of a Point-of-Care PCR diagnostic platform and assays for the poultry industry—Phase Two: field trials* - They conducted their first field trials for eimeria, which causes coccidiosis and Clostridium, which causes necrotic enteritis. They used the University of Guelph and the Animal Health Center respectively as their reference test labs. Results were 100% in agreement on all positives for both pathogens (100% specificity). Tests were run in field at Canadian Poultry Consultants by their

technicians. They have further plans for more field trials with these pathogens. Salmonella, AI and Campylobacter field trials will begin this June.

- *For more information on the projects, please see the document SPFG May 26, 2017 update in the current research and project section of the website*

The next SPFG meeting is scheduled for September 2017.