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In response to comments submitted by Andrew Penner the following information has been prepared in consultation with Blumengart Colony and is submitted on their behalf:

- 1) The proposed hog barn additions as indicated, will in fact be constructed further away from the residence than the existing buildings.
- 2) The site proposed for the EMS is situated outside the provincial setback requirements for the size of operation proposed. These distances were determined to mitigate the potential for odour impacts taking into consideration that all odour occurrences are not avoidable. The current location also utilizes previously planted shelterbelts to the west and north of the facility. These shelter belts will be maintained to reduce wind speed and odour transfer but also to reduce the potential for erosion of the clay liner.
- 3) Utilization of straw covers has been tried in the past with limited success at a significant cost. Straw covering systems are extremely susceptible to damage and degradation as they can easily be displaced by wind and submerged with wave action and/or extreme or prolonged precipitation events. This will be increasingly more likely to occur given the size and exposed surface area of the proposed storage. The addition of straw to the storage also requires more aggressive and a prolonged period of agitation to break down the straw so that it can be handled as a liquid for direct injection and to prevent solids accumulations within the storage. During the emptying process of the storage each fall is when the maximum odour production is experienced. This emptying process would be expected to be extended by 3-4 days if required to manage a straw cover, thus resulting in higher intensity odour for a longer period of time.

Respectfully submitted,

Blumengart Colony