

## **Wilson, Tabatha**

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**From:** Lucien Gillham <lucien.gillham@gmail.com>  
**Sent:** Thursday, August 06, 2015 9:57 AM  
**To:** Water Draft Permit Comments  
**Subject:** Comment on C&H Modification Request : ARG590001 AFIN 51-00164

### Areas of Concern

1. Liquid and solid waste must be removed from the ponds before liners can be installed. Sludge removal will inevitably disturb the existing clay liner this may cause embedded waste to further seep through the clay and into the ground and groundwater at an accelerated rate.
2. Swine waste has permeated the clay liner and some residual will remain after surface sludge is removed. When the liners are installed over the clay containing embedded residual organic waste, decomposition may produce methane and other gasses.
3. Seam failure, punctures, mechanical damage, etc have caused membrane liners to fail and leak. These leaks may not be catastrophic but may occur slowly and go unnoticed until groundwater is negatively affected.
4. The gas flare may impact air quality at the nearby Mt Judea school, town and nearby residences. The public should be informed of what the components of this discharge will be and what the potential health impacts may be.