

Evaluation of Natular XTR for Control of Larvae in Vacuum Pots – Elizabeth Hodson

- a. Background
 - i. No info on larval control in vacuum sewers
 - ii. Lots of mosquitoes in the system
- b. Study
 - i. What species?
 - ii. Did Natular work?
 - iii. Did it work for 180 days?
- c. Vacuum sewer
 - i. First used in Europe in 1882
 - ii. Alternative to gravity and septic
 - iii. Useful in problem areas
 - iv. System (AirVac Municipal Vacuum Sewer)
 - 1. 2 pits
 - a. Bottom – sewage
 - b. Top – clean water
 - 2. Opened up at least once a year for maintenance
 - 3. Amount of water in pits varied
- d. Study area – York County
- e. Method
 - i. 40 pits
 - 1. 20 treated
 - 2. 20 untreated
 - ii. May-Oct
 - iii. Sampled biweekly
 - iv. Collected larvae monthly
- f. Results
 - i. Got *Aedes albopictus* and *Aedes japonicus*
 - ii. Many fewer larvae in treated pots
- g. Conclusions – Natular worked