



City Manager's Office
PO Box 580
300 LaPorte Ave.
Fort Collins, CO 80522
970.221.6505
970.224.6107 - fax
fcgov.com

West Nile Virus Technical Advisory Committee

January 15, 2020 Meeting Agenda

4:30 p.m. – 6:00 p.m.

Large Conference Room, Parks Maintenance Shop, 413 S. Bryan Ave.

TAC Members Present: Danielle Buttker, Greg McMaster, Chester Moore

Staff Present: Tyler Marr, Matt Parker, Jason Komes, Broox Boze (VDCI), Will Schlattmann (VDCI), Katie O'Donnell (Larimer County Health Dept)

Public Present: None

Meeting Convened:

Will Schlattmann, VDCI – Review of 2019 WNV Season

- Weather varied: between April and June temperatures were wet and damp and from July to September, temperatures were very hot (record breaking heat wave Sept. 1).
- Abundance data: during most of June minimal mosquitos were seen with a peak in week 30
- Total number of mosquitos per trap was at a 3-year low – average Culex per trap was at average or slightly below average.
- Managing treatments
 - Increased operations on storm drains – will continue this practice
 - Larval control efforts – 1,767 acres of land treated with mosquito larvicide
 - Adult mosquito control – timeline of spray event and actions leading up
 - 8/26 mosquitos collected and identified
 - 8/29 samples submitted for testing
 - 9/2 week 35 WNV samples reported
 - Notice given
 - 9/8 application
 - 7 pm rain had stopped and no additional showers were forecasted (71 degrees by 8pm)
 - 10:15 pm applications paused due to the rainy conditions except for the SE portion
 - 11 pm applications to the SE portion paused
 - Rain occurred during the evening – all applications ceased by 11:41 pm with rain forecasted
- Discussion:
 - Decision to not spray certain areas that were planned was challenging – had not happened previously.

- Regarding software/online challenge (IT and GIS) – application didn't start until issues were resolved on the back end.
- Discussion on the efficacy of application with rain and cooling temperatures
 - Spraying is still effective as long as its 50 degrees or higher
 - Rain reduces spraying efficacy, however post-rain event mosquito activity generally increases significantly
 - In the future, staff will look at multiple weather resources (in addition to National Weather Service) to develop more comprehensive weather prediction

Review of 2019 WNV Season and Improvements Made – Staff Perspective

UNC Public Health Grad Student Assessment Results – Paula Bernander, MS Student

- Paula will be presenting during the March TAC meeting – Matt will share documents
- Some takeaways:
 - Formalize policy for pesticide resistance testing
 - Review model for youth education programs
 - Considering model testing such as RAMP

Process Improvements to Vector Index Calculation Time

- Lag time is an ongoing issue in responding to WNV amplification process
- Desired application nights: Thurs and Sunday (not F and Sat)
- 48+ hours for CPIO to conduct outreach (Tues. by 5pm)
 - Decision needs to be made at latest by Monday night or early Tuesday
- Discussion on increasing timing and notice. Drawbacks of the public health concerns of not addressing the issue as soon as possible
- Calculation time has decreased significantly (by hours)
 - Allows quick recommendation to City Manager
 - Collaboration between City and County

Larimer County Health Department Staff Changes

- Shaun May from the County will be at the next meeting as the County representative

Review of 2019 Public Outreach Efforts:

- Focus on education and outreach – realities of WNV and the 4 D's
- Additional updates as the County provides data and information
- Multiple communication tools: website, news release/media, public info hotline, social media, Everbridge
- Spray notifications – time/location, how to minimize exposure

Preview of 2020 TAC Off-Season – Staff Presentations

Four meeting scheduled, City Council Work Session (Feb. 11), AQAB March 16

- Work session to inform Council on the history and the work being done to address WNV
 - TAC will be looking at the use of permethrin and PBO
- TAC would like to continue determining specific direction for the group
- Next meeting: Feb. 19 – Work Session review will be added to agenda

- Upcoming TAC meetings will be on February 19, March 18, and April 15

Next Meeting:

- TAC members should provide most relevant and recent studies on:
 - Permethrin,
 - PBO,
 - Other alternatives
 - Best, safest adulticide practices

Public Comment:

None

Meeting adjourned: 5:46 pm