Attachment 2:

Aerial Adulticide Application in Response to Mosquito-Borne Disease Threat: Multi-Agency Response Flowchart

1. Determination of Response

When human risk is elevated to a high level of concern as indicated by the VT Arbovirus Surveillance and Response Plan VDH will determine, in consultation with VAAFM, whether aerial application is warranted.

2. Characterization of Area of Risk

Once consensus is obtained, VDH and VAAFM characterize the area of risk and delineate the perimeter of the spray area based on mosquito and virus surveillance.

3. Commissioner Certification

The Commissioner of Health will issue a "Determination of Significant Public Health Risk Requiring Aerial Application of Pesticide to Protect Public Health"

Action Items 4a-4c Occur Simultaneously:

4a. Determination of Appropriate Pesticide

VAAFM will consult with the Vermont Pesticide Advisory Committee (VPAC) to determine the pesticide to be used when conditions indicate.

When indicated, VAAFM will confirm this selected pesticide for use.

4b.Determination of No-Spray Zones

Aerial no-spray zones (mosquito treatment sensitive areas data layers) defined:

1) Certified organic farms
2) Surface water supply resource areas
3) Commercial fish hatcheries/aquaculture
4) Commercial apiaries

VAAFM/VDH will submit a 'Notice of Intent' to the Vermont Department of Environmental Conservation to obtain NPDES PGP (National Pollutant Discharge Elimination System pesticide general permit) coverage within 10 days of the aerial adulticide application, if there is no current valid permit.

4c.Exclusion/Inclusion of Priority Habitats

VDH will determine, in consultation with VAAFM, if spraying in mosquito treatment sensitive areas is necessary to protect the public health.

If spraying in these areas is necessary to reduce the risk to public health then:

VDH requests ANR to issue a permit to VAAFM for taking endangered, threatened, or special concern species.

5. Preparation of Final GIS Data

VAAFM coordinates compilation of mosquito treatment sensitive areas within designated VDH spray areas, using data layers (no-spray zones/buffered areas) developed by VAAFM and the Northeast Organic Farming Association, onto a final map.

7. Emergency Room and Poison Control Contacts

VDH contacts and provides pesticide illness surveillance guidance to emergency departments, poison control centers, and District Offices.

8. Notification of Date & Time of Application

VAAFM and VDH will publicize the locations, dates, and times of aerial spraying.

VAAFM will post a map of the aerial spray area to a website and will update this site

during spray operations.
VDH will provide telephone numbers for the public for information about the spray zone, any recommended precautionary measures and other questions.

9. Operational Procedures-Aerial Application

VAAFM ensures that licensed and experienced contractors are used and that the aerial application operational procedures are in compliance with Vermont Aviation and FAA guidelines and standards.

VDH: Vermont Department of Health
VAAFM: Vermont Agency of Agriculture, Food and Markets
ANR: Vermont Agency of Natural Resources