

MIDDLESEX COUNTY MOSQUITO EXTERMINATION COMMISSION

200 PARSONAGE ROAD • EDISON, NJ 08837-2118



Tel: (732) 549-0665
Fax: (732) 603-0280

Supporter of the US EPA PESP Document

Superintendent
Deepak Matadha, PhD

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Subject: Review of proposed stormwater management systems for mosquito problems

To whom it may concern:

The Middlesex County Mosquito Extermination Commission (MCMEC) would like to offer its services to municipalities in review of any proposed stormwater management systems for mosquito problems during your Municipal Development Review process.

For over 30 years, the Commission has participated in the County's Development Review Process which involves identifying any proposed storm water management systems as potential mosquito sources and providing recommendations proactively to avoid mosquito problems to residents.

Our records indicate that approximately 40% of the plans reviewed during the County review process had the potential of developing into mosquito habitats due to design components that included sump pits, scour holes and grades within proposed basins, and the lack of proper maintenance techniques or schedules.

In addition to several nuisance mosquito species found, the most common species in such habitats are *Culex pipiens* (northern house mosquito) and *Culex restuans* (white-dotted mosquito), which are also the principal vectors of West Nile virus and St. Louis encephalitis virus, respectively.

Currently, there are over 2,000 existing storm water facilities throughout the County and many are in residential communities. With development and redevelopment, this number continues to increase and we anticipate potential mosquito problems for residents in your municipality in the future.

The Commission is requesting municipalities require developers submit a copy of their plans to the Mosquito Commission for review of any proposed storm water management systems. Reviewing of these submittals will aid the Commission in locating any new storm water facilities and in determining the potential of these sites to develop into a mosquito control concern. The Commission can review a site plan and provide recommendations in less than 3 days.

The Commission thanks you for your partnership in protecting our residents from mosquitoes and mosquito-borne diseases.

If you so desire, we are available to meet with you or attend your Municipal Council Meeting or Planning Board Review meeting to answer any questions.

Respectfully,

Deepak Matadha, PhD
Superintendent