

Vector Management Plan  
Evergreen Nursery Blossom Valley Project  
Project No. 3300-12-009 (MUP)  
Environmental Log No.: 3910-12-14-002  
APN 396-070-07

### Project Description

Evergreen Nursery is requesting a Major Use Permit for a retail nursery on a site that has an existing wholesale nursery operation. Products will include nursery stock and related products including plants, trees, shrubs, growing and inert ground covers, soil amendments, top soil, potting soil, garden ware and miscellaneous garden products. The site is currently served by three groundwater wells and public restrooms are proposed which would utilize an onsite septic system. There will also be an approximately 1.5 acre green waste recycling area and a 1.5 acre nursery production and soil mixing area with fenced equipment storage and maintenance area with landscaped windbreaks and screening and rain-sensing automatic irrigation. The landscaped windbreak is an Olive tree hedge that serves to contain odor, dust, noise and potential vectors.

The green waste recycling area is located within the nursery above a retaining wall and screened from view shed by the existing hillside, nursery planting and landscape screening. Hours for accepting green waste will be from 7:30 a.m. to 4 p.m. Monday through Friday. Types of green waste that will be recycled will be nursery trimmings in addition to local self haul yard trimmings from landscapers, gardeners and local homeowners as well as clean wood and local stable bedding. No municipal or curbside waste will be allowed.

### Environmental Setting

The surrounding area is rural to rural residential with horse keeping facilities, other nursery operations, residential estates, orchards and a county recreation facility with several Little League ball fields. The existing nursery operation is bounded by a 50' setback south of the creek, south of Blossom Valley Road on the north, Flinn Springs Road on the east and Interstate 8 on the south.

The county maintains an equestrian/pedestrian trail along Flinn Springs Road. There are a significant amount of flies in the area especially along the eastern boundary nearest to the existing horsekeeping facilities and kennel.

### Potential Vectors

Three primary potential vectors have been identified: rodents, flies and mosquitos.

## Management Practices

The operation of the nursery will utilize best management practices and ongoing efforts to maintain the absence and/or control of vectors.

Rodent Control – rats and mice can be a problem with disease and economic impact. The potential rodent population in the nursery can be diminished by the following:

1. Elimination of food sources by using refuse cans with tight fitting lids, maintenance of sanitary premises with daily removal of litter. The nursery will continue to use steel dumpsters (3 cubic yard) which are rodent proof and off the ground.
2. Elimination of movement by using 2 foot high, 1" mesh chicken wire dug into ground around all perimeter fencing.
3. Elimination of obscure water sources by keeping drains covered and secure, making sure hoses are not leaking, keeping the premises free of standing water and maintaining water pipes and drains in good repair.
4. Elimination of rodent hiding places by not allowing the storage of junk, lumber, old boxes, etc.
5. Encourage raptor predation of rodents by installing owl boxes and raptor post roosts throughout the nursery.

Fly Control – On a seasonal basis, there appears to be a general increase in flies throughout the horsekeeping and kennel area neighboring the nursery. The nursery operation itself generally does not have problems with flies. The potential for fly problems within the approximately 1.5 acre recycling area can be controlled as follows:

1. Apply a covering amount of a bulking agent such as previously ground feedstock to newly received nitrogen rich feedstock.
2. Maintain proper moisture levels in all stock piles to ensure minimum fly habitat.
3. Ensure proper venting and self-closing doors on all portable restrooms.
4. Notify county vector control if horse owners fail to police manure along dedicated equestrian/pedestrian trail and staging area.

Mosquito Control – the following operations and actions will be carried out to prevent mosquito breeding:

1. Remove any stranding water containers that could sustain mosquito production and check that drainage systems are working.
2. Routinely check for broken valve boxes and repair to prevent mosquito entry and breeding.
3. Report the discovery of any dead birds to county vector control so that a decision can be made regarding assessment of a potential bird related vector incident.
4. Ensure no standing water remains within one week after a seasonal rain event.

Signed:



Owner, Mark L. Collins



San Diego County Department of  
Environmental Health

GREG SLAWSON, SR. VECTOR ECOLOGIST