

## CHAPTER 2

### CONSIDERATIONS FOR SITE SELECTION

2-1. Location. Major factors in site selection of treatment facilities are: topography; availability of a suitable discharge point; maintenance of reasonable distance from living quarters, working areas, and public use areas; and proposed facilities as reflected by the master plans. Plants, and wastewater treatment ponds regardless of size, will not be less than one quarter mile from such facilities. The location of wastewater facilities must address the problems of unacceptable noise and odor levels. Wastewater treatment facilities should be located, to the extent possible, according to the following:

- Downwind of living quarters, working areas, and public use areas.
- Located in areas not subject to prolonged and/or frequent air stagnation, fog, or mist cover.
- Situated at a lower elevation than living quarters, working areas, and public use areas.
- Situated such that ground water at the wastewater facility flows away from occupied areas.

Exceptions to the one-quarter mile restriction can be made for cold climate module complexes where the treatment system is part of the module complex. Sewage treatment works will not be located within the same module as living quarters. Standard septic tank systems with sub-surface drain fields do not fall under the one-quarter mile restriction.

2-2. Space requirements. Sufficient space must be allocated for suitable arrangement of all treatment units and associated plant piping.

2-3. Access. The site will be selected so that an all-weather road is available or can be provided for access to the plant.