



Design Data

Normal Population (10 months/yr.) 150 (static)
 Holiday Population 1963 including camping &c.
 equivalent 2 mths./yr. 600 increasing
 Design Population D.W.F. 800
 B.O.D. 900
 Sludge Digestion 400
 Sludge Drying 400
 Oxi. Pond
 30 day Detention 800
 Flows: 60 g/h/d. Peak = 2 1/2 x av. (summer)
 Peak summer flow = 5,000 gall./hr.
 Av. summer flow = 2,000 gall./hr.
 Peak winter + infiltration = 6 x D.W. av.
 on 150 pop² = 2,300 gall./hr.
 Sedimentation: 2,000 gall./hr x 2 1/2 hr = 5,000 cu.ft.
 Sludge digestion: 400 av. pop. x 2 1/2 = 1,000 cu.ft.
 Sludge drying: 400 av. pop. x 1 sq.ft. = 400 sq.ft.
 Oxi. Pond: 30 day detention requires
 800 x 50 x 30 = 1,200,000 gall.
 Note: 50 g/h/d. only used for this
 Area Rating 700 per. ac. summer peak.
 130 per. ac. winter.

