BRITISH WATER

# TABLE OF LOADINGS FOR SEWAGE TREATMENT SYSTEMS

## SITE - LAND WEST OF BUNGALOW HALTON CHIRK

| Per person / activity / day (unless otherwise specified) | FLOW (Litres) | BOD (Grams) | Ammonia as N (Grams) | Number | FLOW (Litres) | FLOW ($m^3$) | BOD (Grams) | Ammonia as N (Grams) |
|---|---|---|---|---|---|---|---|---|
| **DOMESTIC DWELLINGS** | | | | | | | | |
| Standard residential | 150 | 60 | 8 | | | | | |
| Mobile home type caravans with full services | 150 | 60 | 8 | 32 | 4800 | 4.8 | 1920 | 256 |
| **INDUSTRIAL** | | | | | | | | |
| Office / Factory without canteen | 50 | 25 | 5 | | | | | |
| Office / Factory with canteen | 100 | 38 | 5 | | | | | |
| Open industrial site, e.g. construction, quarry, without canteen | 60 | 25 | 5 | | | | | |
| *Full-time Day Staff | 90 | 38 | 5 | | | | | |
| *Part-time Staff (4 hr shift) | 45 | 25 | 3 | | | | | |
| **SCHOOLS** | | | | | | | | |
| Non-residential with canteen cooking on site | 90 | 38 | 5 | | | | | |
| Non-residential without a canteen | 50 | 25 | 5 | | | | | |
| Boarding school (i) residents | 175 | 60 | 8 | | | | | |
| (ii) day staff (inc. mid-day meal) | 90 | 38 | 5 | | | | | |
| **HOTELS, PUBS & CLUBS** | | | | | | | | |
| Hotel Guests (Prestige hotels) | 300 | 105 | 12 | | | | | |
| Hotel Guests (3H & 4H hotels) | 250 | 94 | 10 | | | | | |
| Guests (Bedroom only – no meals) | 80 | 50 | 6 | | | | | |
| Residential Training/Conference Guest (inclusive all meals) | 350 | 150 | 15 | | | | | |
| Non residential Conference Guest | 60 | 25 | 2.5 | | | | | |
| Drinkers | 12 | 15 | 5 | | | | | |
| Holiday camp chalet resident | 227 | 94 | 10 | | | | | |
| Resident Staff | 180 | 75 | 10 | | | | | |
| Restaurants - Full Meals - luxury catering | 30 | 38 | 4 | | | | | |
| - pre-prepared catering | 25 | 30 | 2.5 | | | | | |
| - Snack Bars & bar meals | 15 | 19 | 2.5 | | | | | |
| - Function Rooms including buffets | 15 | 19 | 2.5 | | | | | |
| - Fast Food i.e. (roadside restaurants) | 12 | 12 | 2.5 | | | | | |
| - Fast Food Meal (burger chain and similar) | 12 | 15 | 4 | | | | | |
| Students (Accommodation only) | 100 | 60 | 8 | | | | | |
| **AMENITY SITES** | | | | | | | | |
| Toilet Blocks (per use) | 10 | 12 | 2.5 | | | | | |
| Toilet (WC) (per use) | 10 | 12 | 2.5 | | | | | |
| Toilet (Urinal) (per use) | 5 | 12 | 2.5 | | | | | |
| Toilet Blocks in long stay car parks/lorry parks (per use) | 10 | 19 | 4 | | | | | |
| Shower (per use) | 40 | 19 | 2 | | | | | |
| Golf Club | 20 | 19 | 5 | | | | | |
| Local community sports club, e.g. squash, rugby & football | 40 | 25 | 6 | | | | | |
| Swimming (where a separate pool exists without an associated sports centre) | 10 | 12 | 2.5 | | | | | |
| Health Club/Sports Centre | 50 | 19 | 4 | | | | | |
| Tent sites | 75 | 44 | 8 | | | | | |
| Caravan Sites - (i) Touring not serviced | 100 | 44 | 8 | | | | | |
| (ii) Static not serviced | 100 | 44 | 8 | | | | | |
| (iii) Static fully serviced | 150 | 60 | 8 | | | | | |
| **HOSPITALS & RESIDENTIAL CARE HOMES** | | | | | | | | |
| Residential old people / nursing | 350 | 110 | 13 | | | | | |
| Small hospitals | 450 | 140 | Assess | | | | | |
| Large hospitals | Assess individually | | | | | | | |

| | Number | Litres | ($m^3$) | BOD | N |
|---|---|---|---|---|---|
| **TOTAL** | **32** | **4800** | **4.8** | **1920** | **256** |

**Sumner Consultancy Ltd**
**info@sumnerconsultancy.co.uk www.sumnerconsultancy.co.uk**