|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SITE** | **ASK\_STP** | **TVA\_STP** | **KAR\_STP** | **GDA\_STP** | **KRI\_STP** |
| **Name** | **Himmerfjärden** | **Stormossen** | **Koholmen** | **Orlow** | **Långevik** |
| Number of persons | 306 500 | 9 000 | 42 000 | 360 000 | 7 900 |
| Industry waste (population equivalents, pe) | 20 000 | 60 412 m3/a | 7000 |  | 2 400 |
| Type of process | Grit 2 mm | Grit 3 mm | Grit |  | Grit 2 mm |
|  | Sand grit (fat reducer) | Sand grit (fat reducer) | Sand grit (fat reducer) |  | Sand grit (fat reducer) |
|  | Sedimentation | Sedimentation | Biological treatment: aeration, denitrification, nitrification, deoxidification |  | Aeration |
|  | Biological treatment: aeration, nitrification | Biological treatment: aeration | Sedimentation |  | Pre-sedimentation |
|  | Sedimentation | Sedimentation | Chemical treatment flocking |  | Biological treatment: nitrification and denitrification |
|  | Denitrification | Chemical treatment Acti-Flow | Sedimentation |  | Chemical treatment flocking |
|  | Sandfilter |  | Sandfilter |  | Final sedimentation |
| N total mean/year (mg/l) | 7.8 | 20 | 8.2 |  | 12 |
| P total mean/year (mg/l | 0.32 | 0.54 | 0.18 |  | 0.2 |
| BOD7 total mean/year (mg/l) | 6.9 | 7.4 | 2.50 |  | 8 |
| N total/year (T) | 380\* | NA | 52 | 100.83 | 28.5 |
| P total/year (T) | 16\* | NA | 1.1 | 0.45 | 0.5 |
| BOD7 (T) | NA | NA | 16 |  | 19.7 |
| Deep outlet (m) | 25 (10) | NA | 20 | 10 | 24 |
| Hg (μl/l) | < 0.10 | NA | 0.055 | NA | 0.05 |
| Cd (μl/l) | < 0.10 | NA | 0.058 | NA | 0.01 |
| Pb (μl/l) | < 0.50 | NA | 0.11 | NA | 0.34 |
| Cu (μl/l) | 11.7 | NA | 9.4 | NA | 140 |
| Zn (μl/l) | 14.3 | NA | 29 | NA | 30 |
| Cr (μl/l) | 1 | NA | 1.2 | NA | 0.5 |
| Ni (μl/l) | 4.3 | NA | 2.6 | NA | 7 |
| Al (μl/l) | NA | NA | 220 | NA | NA |
| Fe (μl/l) | NA | NA | NA | NA | NA |
| Year Reference | 20131) | 20102) | 20123) | 20114) | 20135) |

\*Larsson et al. 2012, 1) Söhr, 2013, 2) Töyrylä, 2012, 3) Strand et al. 2012, 4) Technical report – 2011, Institute of Oceanography, University of Gdańsk, 5) Lysekils kommun, 2013.