## 別紙３　脱水機規模算定表

| 浄水場名 | | 計画水量 | | 原水濁度 | | 沈でん水濁度 | | 薬注率（PAC・ﾊﾟﾝﾄﾞ） | | 薬注率（活性炭） | | | | 算定式係数 | | | 発生固形物量 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 給水量 | 取水量 | 平均濁度時 | 高濁度時 | 平均濁度時 | 高濁度時 | 平均濁度時 | 高濁度時 | 平均濁度時 | 高濁度時 | 年平均添加量 | 注入日 | E1 | E2 | 水量に対する係数 | 平均濁度時 | 薬注日数 | 年間量 | 高濁度時 |
| | | | | | | | | | | | | | | | PAC：0.153 | | DST/日 | 日 | DST/年 | DST/日 |
| | | $m^3$/日 | $m^3$/日 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | t/年 | 日/年 | SS換算係数 | ﾊﾟﾝﾄﾞ：0.122 | $\times 10^{-6}$ | | | | |
| | | A | B | C | D | E | F | G | H | I | J | K | L | M | N | | O | P | Q | R |
| 高蔵寺 | | | | | | | | | | | | | | | | | | | | |
| | 上水 | 94,300 | 104,800 | 8.00 | 32.0 | 0.0 | 0.0 | 20.0 | 77.0 | 0.0 | 0.0 | 0.0 | 0 | 1.86 | 0.153 | 16.0 | 1.88 | 365 | 686 | 7.47 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 尾張東部 | | | | | | | | | | | | | | | | | | | | |
| | 上水 | 266,400 | 296,000 | 8.00 | 32.0 | 0.0 | 0.0 | 22.0 | 48.0 | 0.6 | 2.4 | 50.0 | 20 | 1.48 | 0.153 | 13.0 | 4.68 | 365 | 1,708 | 16.90 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | 工水 | 200,000 | 215,000 | 8.00 | 32.0 | 5.0 | 13.0 | 2.2 | 3.3 | 0.0 | 0.0 | 0.0 | 0 | 1.01 | 0.153 | 2.2 | 0.72 | 50 | 36 | 4.23 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | 上水＋工水 | | | | | | | | | | | | | | | | 5.40 | | 1,744 | 21.14 |
| | | | | | | | | | | | | | | | | | | | | |
| 上野 | | | | | | | | | | | | | | | | | | | | |
| | 上水 | 164,100 | 182,400 | 8.00 | 32.0 | 0.0 | 0.0 | 24.0 | 39.0 | 0.6 | 2.4 | 14.5 | 10 | 1.94 | 0.153 | 16.0 | 3.61 | 365 | 1,318 | 12.85 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | 工水 | 172,800 | 185,800 | 8.00 | 32.0 | 4.0 | 10.0 | 3.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0 | 1.21 | 0.122 | 3.6 | 0.97 | 130 | 126 | 5.07 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | 上水＋工水 | | | | | | | | | | | | | | | | 4.58 | | 1,443 | 17.92 |
| | | | | | | | | | | | | | | | | | | | | |
| 知多 | | | | | | | | | | | | | | | | | | | | |
| | 上水 | 222,000 | 246,700 | 7.80 | 31.2 | 0.0 | 0.0 | 28.0 | 59.0 | 1.9 | 7.6 | 106.6 | 100 | 0.93 | 0.153 | 17.0 | 3.32 | 365 | 1,210 | 11.26 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | 工水 | 472,800 | 508,400 | 5.00 | 20.0 | 4.0 | 8.0 | 0.8 | 1.0 | 0.0 | 0.0 | 0.0 | 0 | 1.32 | 0.153 | 1.4 | 0.73 | 20 | 15 | 8.13 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | 上水＋工水 | | | | | | | | | | | | | | | | 4.05 | | 1,225 | 19.39 |
| | | | | | | | | | | | | | | | | | | | | |

| 浄水場名 | | 脱水機運用方法 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 必要ろ過面積 | | 現況設備 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 平均濁度時 | | | | | | | | | | | | 高濁度時 | | | | | | | | | | | | | | | | 平均濁度時 | 高濁度時 | 機種等別 | ろ過面積 |
| | | 機種等別 | 稼働日数 | 稼働率 | 処理固形物量 | 汚泥濃度 | 処理汚泥量 | ろ過速度 | ろ過時間 | 必要ろ過面積 | | 機種等別 | 稼働日数 | 稼働率 | 処理固形物量 | 汚泥濃度 | 処理汚泥量 | ろ過速度 | ろ過時間 | 必要ろ過面積 | | | | | | | | | | | | | |
| | | — | 日/週 | — | DST/処理日 | % | $m^3$/処理日 | | h/日 | $m^2$ | | — | 日/週 | — | DST/処理日 | % | $m^3$/処理日 | kgDS/$m^2$・h | h/日 | $m^2$ | | | | | | | | | | $m^2$ | $m^2$ | — | $m^2$ |
| | | | S1 | T1 | U1 | V1 | W1 | X1 | Y1 | Z1 | | | S2 | T2 | U2 | V2 | W2 | X2 | Y2 | Z2 | | | | | | | | | | | | | |
| 高蔵寺 | | | | | | | | kgDS/$m^2$・h | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 上水 | 短時間 | 5 | 1 | 2.63 | 7.30 | 36.1 | 2.00 | 6 | 219.3 | | 短時間 | 7 | 1 | 7.47 | 14 | 53.4 | 3.70 | 18 | 112.2 | | | | | | | | | | 220 | 113 | 短時間 | 170 |
| | | | | | 可能性調査↑ | | 可能性調査↑ | | | | | | | | 可能性調査↑ | | 可能性調査↑ | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 尾張東部 | | | | | | | | kgDS/$m^2$・cyc | ｻｲｸﾙ数 | | | | | | | | | | ｻｲｸﾙ数 | | | | | | | | | | | | | | |
| | 上水 | 長時間 | 5 | 1 | 6.55 | 4.60 | 142.4 | 4.80 | 1 | 1364.6 | | 長時間 | 7 | | 16.90 | 15.0 | 112.7 | 7.20 | 2 | 1173.8 | | | | | | | | | | 1365 | 1174 | | |
| | | | | | 可能性調査↑ | | 可能性調査↑ | | | | | | | | 可能性調査↑ | | 可能性調査↑ | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 工水 | 長時間 | 5 | 1 | 1.01 | 11.20 | 9.0 | 4.80 | 1 | 211.1 | | 長時間 | 7 | | 4.23 | 14.0 | 30.2 | 7.20 | 2 | 294.1 | | | | | | | | | | 212 | (295) | | |
| | | | | | 可能性調査↑ | | 可能性調査↑ | | | | | | | | 可能性調査↑ | | 可能性調査↑ | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 上水＋工水 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1577 | | 長時間<br>短時間 | 1000<br>49 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 上野 | | | | | | | | kgDS/$m^2$・cyc | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 上水 | 長時間 | 5 | 1 | 5.05 | 4.60 | 109.9 | 6.40 | 1 | 789.7 | | 長時間 | 7 | | 12.85 | 9.0 | 142.8 | 7.90 | 2 | 813.3 | | | | | | | | | | 790 | 814 | | |
| | | | | | 可能性調査↑ | | ↑可能性調査 | | | | | | | | 可能性調査↑ | | ↑可能性調査 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 工水 | 長時間 | 5 | 1 | 1.35 | 4.60 | 29.4 | 6.40 | 1 | 211.6 | | 長時間 | 7 | | 5.07 | 9.0 | 56.4 | 7.90 | 2 | 321.1 | | | | | | | | | | 212 | (322) | | |
| | | | | | 可能性調査↑ | | ↑可能性調査 | | | | | | | | 可能性調査↑ | | ↑可能性調査 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 上水＋工水 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1026 | | 長時間 | 1071 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ↑上水高濁度時＋工水平均濁度時 | | | |
| 知多 | | | | | | | | kgDS/$m^2$・cyc | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 上水 | 長時間 | 5 | 1 | 4.64 | 3.00 | 154.7 | 2.80 | 1 | 1657.6 | | 長時間 | 7 | | 11.26 | 4.00 | 281.5 | 3.50 | 2 | 1608.6 | | | | | | | | | | 1660 | 1610 | 天日乾燥 | |
| | | | | | 濃縮槽設計条件↑ | | ↑濃縮槽設計条件 | | | | | | | | 濃縮槽設計条件↑ | | ↑濃縮槽設計条件 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 工水 | 長時間 | 5 | 1 | 1.03 | 3.00 | 34.2 | 2.80 | 1 | 366.7 | | 長時間 | 7 | | 8.13 | 4.00 | 203.3 | 3.50 | 2 | 1161.5 | | | | | | | | | | (367) | (1162) | 天日乾燥 | |
| | | | | | 濃縮槽設計条件↑ | | ↑濃縮槽設計条件 | | | | | | | | 濃縮槽設計条件↑ | | ↑濃縮槽設計条件 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 上水＋工水 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1660 | 1610 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ↑上水対応の脱水機で工水分も処理するとした。 | | | |

E1：SS換算係数

M ＝ ((平均日固形物量×$10^6$／B)－G×N) ／ (C－E)

O ＝ B× {(C-E) ×M＋G×N＋I} ×$10^{-6}$

Q ＝ O×365

R ＝ B× {(D-F) ×M＋H×N＋J} ×$10^{-6}$

U1 ＝ O×7／S1

W1 ＝ U1／V1×100

Z1 ＝ U1×1000／ (X1×Y1) ／T1