

Treated Waste: Types and Quantities (FY2016)

[ton]

| Category | Description of waste | April | May | June | July | August | September | October | November | December | January | February | March |
|------------------|---------------------------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|---------|----------|-------|
| Industrial waste | Sludge | 343 | 242 | 276 | 208 | 234 | 347 | 316 | 359 | 598 | 651 | 568 | 436 |
| | Waste oil | 16 | 9 | 12 | 12 | 16 | 14 | 19 | 25 | 15 | 13 | 10 | 15 |
| | Waste plastic and others | 2,564 | 1,878 | 2,221 | 1,890 | 1,769 | 2,432 | 2,350 | 2,277 | 2,054 | 2,313 | 2,015 | 2,214 |
| | Waste paper | 239 | 182 | 225 | 202 | 241 | 299 | 316 | 268 | 258 | 267 | 218 | 253 |
| | Wood waste | 6 | 5 | 7 | 2 | 4 | 7 | 3 | 5 | 5 | 2 | 3 | 1 |
| | Animal and plant residues | 64 | 45 | 44 | 58 | 54 | 90 | 66 | 54 | 81 | 60 | 48 | 42 |
| | Waste rubber | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Waste alkali | 22 | 8 | 14 | 20 | 30 | 38 | 40 | 39 | 35 | 26 | 41 | 70 |
| | Waste acid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 1 |
| Hazardous waste | Infectious waste | 699 | 554 | 777 | 632 | 812 | 730 | 699 | 689 | 700 | 636 | 666 | 656 |

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2016)

[No.1 Incinerator]

| | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th |
|---|--|----------|---------|--------|-------|--------|-------|
| Concentrations of Dioxins | | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | | |
| Sampling date of the emission gas | 30-Aug | | | | | | |
| Date of measurement result obtained | 6-Oct | | | | | | |
| Measurement result (ng-TEQ/m ³ N) | 0.044 | | | | | | |
| Concentrations of Soot | | | | | | | |
| Concentration of Sulfur Oxides | | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | | |
| Sampling date of the emission gas | 15-Apr | 20-Jun | 5-Aug | 30-Aug | 2-Nov | 10-Jan | 2-Feb |
| Date of measurement result obtained | 27-Apr | 4-Jul | 9-Sep | 6-Oct | 9-Dec | 8-Feb | 3-Mar |
| Measurement result (m ³ N/h) | 0.01 | 0.34 | 0.103 | 0.269 | 0.096 | 0.253 | 0.372 |
| Concentration of Soot and Dust | | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | | |
| Sampling date of the emission gas | 5-Aug | 30-Aug | 2-Feb | | | | |
| Date of measurement result obtained | 9-Sep | 6-Oct | 3-Mar | | | | |
| Measurement result (g/m ³ N) | <0.001 | <0.001 | <0.001 | | | | |
| Concentration of Hydrogen Chloride | | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | | |
| Sampling date of the emission gas | 5-Aug | 30-Aug | 2-Feb | | | | |
| Date of measurement result obtained | 9-Sep | 6-Oct | 3-Mar | | | | |
| Measurement result (mg/m ³ N) | 8 | 39 | 36 | | | | |
| Concentration of Nitrogen Oxides | | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | | |
| Sampling date of the emission gas | 5-Aug | 30-Aug | 2-Feb | | | | |
| Date of measurement result obtained | 9-Sep | 6-Oct | 3-Mar | | | | |
| Measurement result (ppm) | 45 | 36 | 36 | | | | |
| Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit | | | | | | | |
| Date of removal of soot and dust | 7/4-7/7,9,13,14 | 10/20-21 | 3/13-15 | | | | |

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2016)

[No.2 Incinerator]

| | 1st | 2nd | 3rd | 4th | 5th | 6th |
|---|--|--------|---------|----------|-------|--------|
| Concentrations of Dioxins | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 27-May | | | | | |
| Date of measurement result obtained | 24-Jun | | | | | |
| Measurement result (ng-TEQ/m ³ N) | 0.062 | | | | | |
| Concentrations of Soot | | | | | | |
| Concentration of Sulfur Oxides | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 15-Apr | 27-May | 21-Jul | 16-Sep | 1-Nov | 11-Jan |
| Date of measurement result obtained | 27-Apr | 24-Jun | 19-Aug | 6-Oct | 9-Dec | 8-Feb |
| Measurement result (m ³ N/h) | <0.01 | 0.316 | 0.179 | 0.33 | 0.295 | 0.253 |
| Concentration of Soot and Dust | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 27-May | 21-Jul | 11-Jan | | | |
| Date of measurement result obtained | 24-Jun | 19-Aug | 8-Feb | | | |
| Measurement result (g/m ³ N) | <0.001 | <0.001 | <0.001 | | | |
| Concentration of Hydrogen Chloride | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 27-May | 21-Jul | 11-Jan | | | |
| Date of measurement result obtained | 24-Jun | 19-Aug | 8-Feb | | | |
| Measurement result (mg/m ³ N) | 22 | 30 | 22 | | | |
| Concentration of Nitrogen Oxides | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 21-Jul | 11-Jan | | | | |
| Date of measurement result obtained | 19-Aug | 8-Feb | | | | |
| Measurement result (ppm) | 38 | 38 | | | | |
| Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit | | | | | | |
| Date of removal of soot and dust | 4/26-4/30 | 5/2,3 | 8/24,25 | 12/11.12 | | |

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2016)

[No.3 Incinerator]

| | 1st | 2nd | 3rd | 4th | 5th | 6th |
|---|--|--------|--------|--------|--------|-----|
| Concentrations of Dioxins | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 12-Apr | 28-Jul | | | | |
| Date of measurement result obtained | 20-May | 25-Aug | | | | |
| Measurement result (ng-TEQ/m ³ N) | 0.35 | 0.023 | | | | |
| Concentrations of Soot | | | | | | |
| Concentration of Sulfur Oxides | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 12-Apr | 28-Jul | 29-Aug | 18-Oct | 26-Dec | |
| Date of measurement result obtained | 20-May | 25-Aug | 6-Oct | 1-Nov | 20-Jan | |
| Measurement result (m ³ N/h) | 0.229 | 0.060 | 0.075 | 0.35 | 0.27 | |
| Concentration of Soot and Dust | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 12-Apr | 28-Jul | 26-Dec | | | |
| Date of measurement result obtained | 20-May | 25-Aug | 20-Jan | | | |
| Measurement result (g/m ³ N) | <0.001 | <0.001 | <0.001 | | | |
| Concentration of Hydrogen Chloride | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 12-Apr | 28-Jul | 26-Dec | | | |
| Date of measurement result obtained | 20-May | 25-Aug | 20-Jan | | | |
| Measurement result (mg/m ³ N) | 16.0 | 3.6 | 14 | | | |
| Concentration of Nitrogen Oxides | | | | | | |
| Sampling position of the emission gas | Sampling port in the middle of the stack | | | | | |
| Sampling date of the emission gas | 12-Apr | 28-Jul | 26-Dec | | | |
| Date of measurement result obtained | 20-May | 25-Aug | 20-Jan | | | |
| Measurement result (ppm) | 37 | 41 | 30 | | | |
| Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit | | | | | | |
| Date of removal of soot and dust | 6/6-6/9,11,13 | | | | | |