Errata Sheet for KH Neochem Report 2021

Correction and Apology

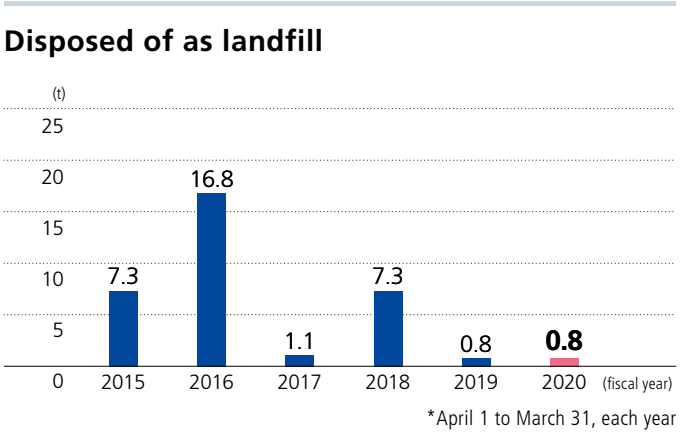
We found that there were several errors in *KH Neochem Report 2021* issued in July 2021.
The errors were caused by our mistakes in the process of aggregating data, and we will take all necessary steps to prevent any similar errors in the future.
We apologize for any confusion this might have caused, and our corrections are shown on this errata sheet.

Correction Target 1	Page 17, Financial and Non-Financial Highlights, Disposed of as landfill (Graph)

[Now reads:]

Units on the vertical axis in the graph (t): 0, 5, 10, 15, 20, 25

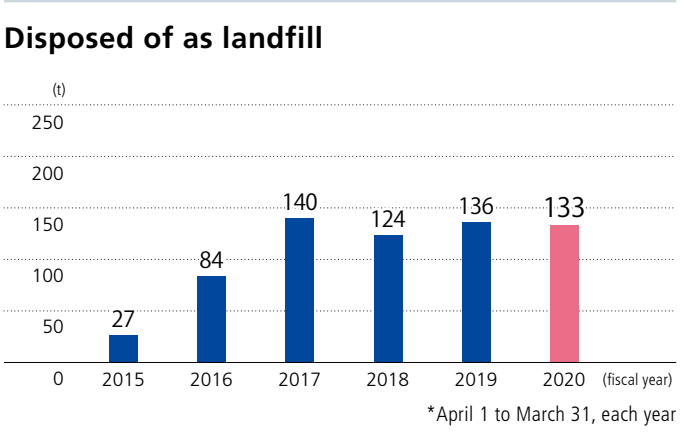
2015, 7.3t
2016, 16.8t
2017, 1.1t
2018, 7.3t
2019, 0.8t
2020, 0.8t



[Should read:]

Units on the vertical axis in the graph (t): 0, 50, 100, 150, 200, 250

2015, 27t
2016, 84t
2017, 140t
2018, 124t
2019, 136t
2020, 133t



Correction Target 2	Page 48, Responsible Care, Flow of Environmental Impact Results, INPUT, OUTPUT

[Now reads:]

INPUT

Water:

City water ····· 15,000t

Ground water ····· 35,000t

Industrial water ····· 7,108,000t

OUTPUT

Released into the atmosphere:

NOx ····· 283.2t

Dust ····· 3.0t

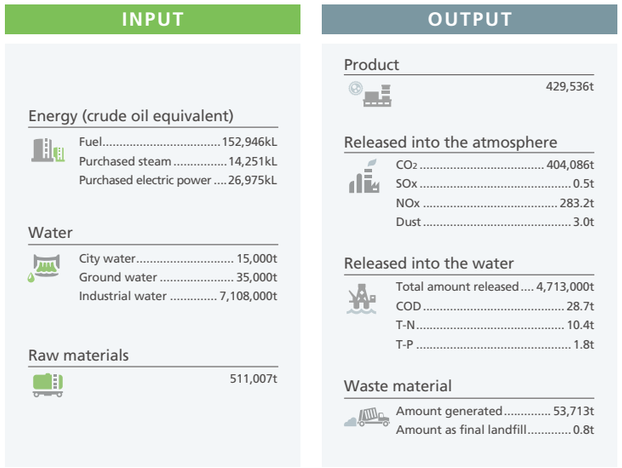
Released into the water:

Total amount released ····· 4,713,000t

Waste material:

Amount generated ····· 53,713t

Amount as final landfill ····· 0.8t



Scope of aggregation: Yokkaichi Plant and Chiba Plant
Period covered: April 1, 2020 to March 31, 2021

[Should read:]

INPUT

Water:

City water ····· 15kt

Ground water ····· 35kt

Industrial water ····· 7,108kt

OUTPUT

Released into the atmosphere:

NOx ····· 283.8t

Dust ····· 4.2t

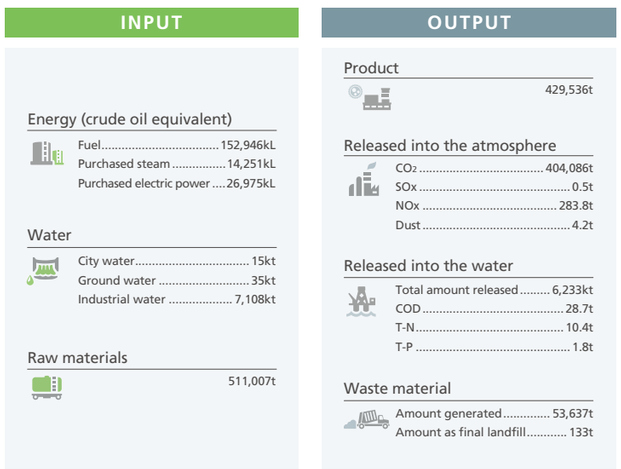
Released into the water:

Total amount released ····· 6,233kt

Waste material:

Amount generated ····· 53,637t

Amount as final landfill ····· 133t



Scope of aggregation: Yokkaichi Plant and Chiba Plant
Period covered: April 1, 2020 to March 31, 2021

Correction Target 3	Page 48, Responsible Care, Environmental Accounting, Period covered

[Now reads:]

Period covered: January 1, 2020 to December 31, 2021

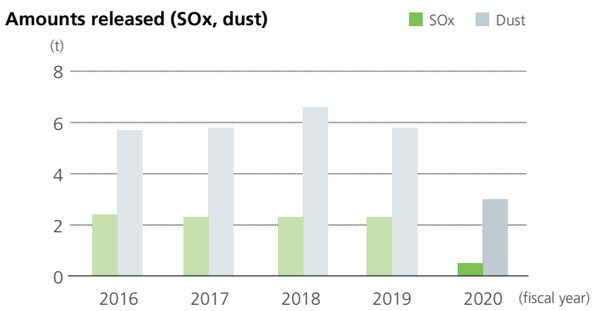
[Should read:]

Period covered: January 1, 2020 to December 31, 2020

Correction Target 4	Page 50, Responsible Care, Reduction of Amount Released into the Environment, Air pollutants, Amounts released (SOx, dust)

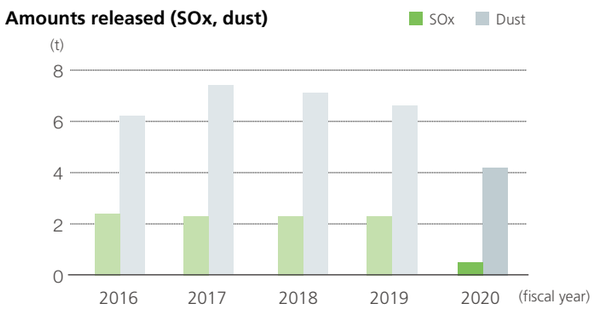
[Now reads:]

2016, 5.7t
2017, 5.8t
2018, 6.6t
2019, 5.8t
2020, 3.0t



[Should read:]

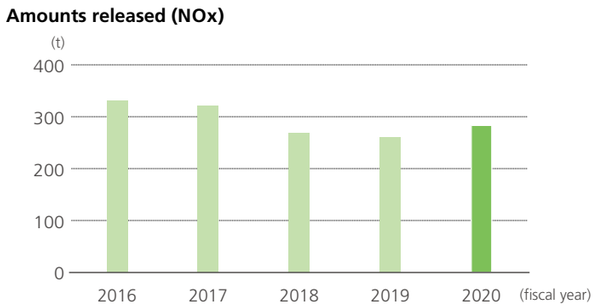
2016, 6.2t
2017, 7.4t
2018, 7.1t
2019, 6.6t
2020, 4.2t



Correction Target 5	Page 50, Responsible Care, Reduction of Amount Released into the Environment, Air pollutants, Amounts released (NOx)

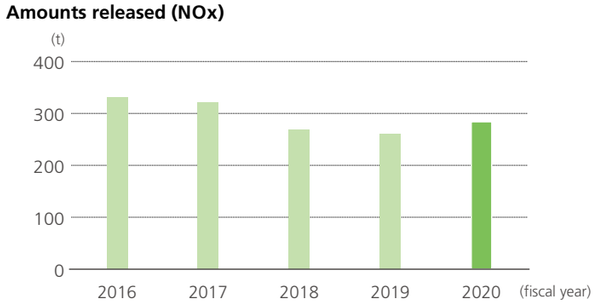
[Now reads:]

2020, 283.2t



[Should read:]

2020, 283.8t



Correction Target 6	Page 50, Responsible Care, Reduction of Amount Released into the Environment, Air pollutants, Levels agreed upon with local communities and annual maximum values

[Now reads:]

Yokkaichi Plant, NOx,
Maximum value, 28.7 kg/h

Levels agreed upon with local communities and annual maximum values

	SOx		NOx		Dust*1	
	Agreement level	Maximum value	Agreement level	Maximum value	Agreement level	Maximum value
Yokkaichi Plant	1.0 Nm³/h	0.0 Nm³/h	53.3 kg/h	28.7 kg/h	0.025 g/Nm³	0.002 g/Nm³
Chiba Plant	9.0 Nm³/h	0.1 Nm³/h	12.0 Nm³/h	2.3 Nm³/h	4.5 kg/h	0.5 kg/h

***1 Dust:** At the Yokkaichi Plant, density controls are set per item of equipment. Here, the generator boiler figure is shown as a typical example.

[Should read:]

Yokkaichi Plant, NOx,
Maximum value, 45.5 kg/h

Levels agreed upon with local communities and annual maximum values

	SOx		NOx		Dust*1	
	Agreement level	Maximum value	Agreement level	Maximum value	Agreement level	Maximum value
Yokkaichi Plant	1.0 Nm³/h	0.0 Nm³/h	53.3 kg/h	45.5 kg/h	0.025 g/Nm³	0.002 g/Nm³
Chiba Plant	9.0 Nm³/h	0.1 Nm³/h	12.0 Nm³/h	2.3 Nm³/h	4.5 kg/h	0.5 kg/h

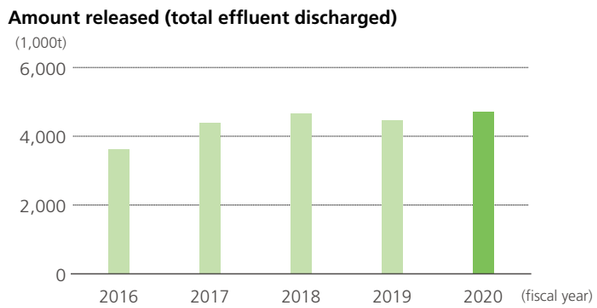
***1 Dust:** At the Yokkaichi Plant, density controls are set per item of equipment. Here, the generator boiler figure is shown as a typical example.

Correction Target 7	Page 50, Responsible Care, Reduction of Amount Released into the Environment, Water pollutants, Amount released (total effluent discharged)

[Now reads:]

Units on the vertical axis in the graph (1,000t):
0, 2,000, 4,000, 6,000

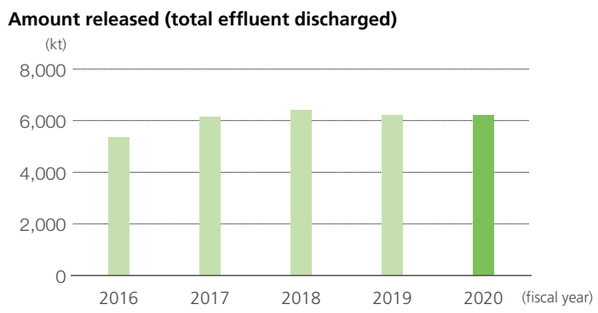
Numerical data:
2016, 3,617,000t
2017, 4,395,000t
2018, 4,673,000t
2019, 4,468,000t
2020, 4,713,000t



[Should read:]

Units on the vertical axis in the graph (kt):
0, 2,000, 4,000, 6,000, 8,000

Numerical data:
2016, 5,369kt
2017, 6,147kt
2018, 6,425kt
2019, 6,220kt
2020, 6,233kt



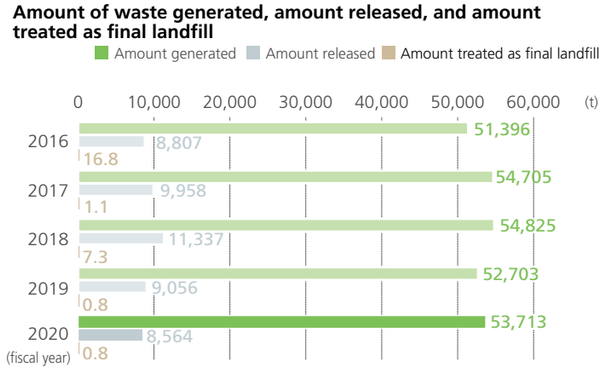
Correction Target 8	Page 50, Responsible Care, Reduction of Amount Released into the Environment, Waste material, Amount of waste generated, amount released, and amount treated as final landfill

[Now reads:]

Amount generated:
2019, 52,703t
2020, 53,713t

Amount released:
2019, 9,056t
2020, 8,564t

Amount treated as final landfill:
2016, 16.8t
2017, 1.1t
2018, 7.3t
2019, 0.8t
2020, 0.8t

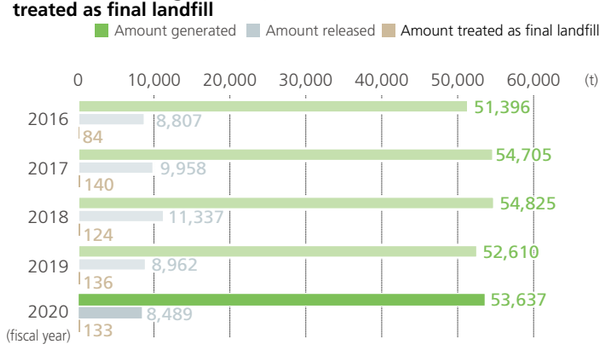


[Should read:]

Amount generated:
2019, 52,610t
2020, 53,637t

Amount released:
2019, 8,962t
2020, 8,489t

Amount treated as final landfill:
2016, 84t
2017, 140t
2018, 124t
2019, 136t
2020, 133t

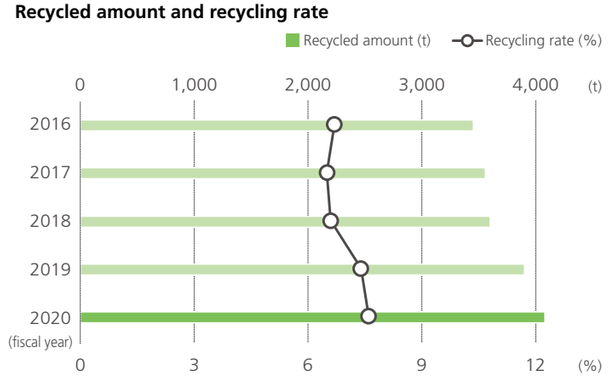


Correction Target 9	Page 50, Responsible Care, Reduction of Amount Released into the Environment, Waste material, Recycled amount and recycling rate

[Now reads:]

Recycled amount (t):
2016, 3,452t
2017, 3,557t
2018, 3,559t
2019, 3,901t
2020, 4,080t

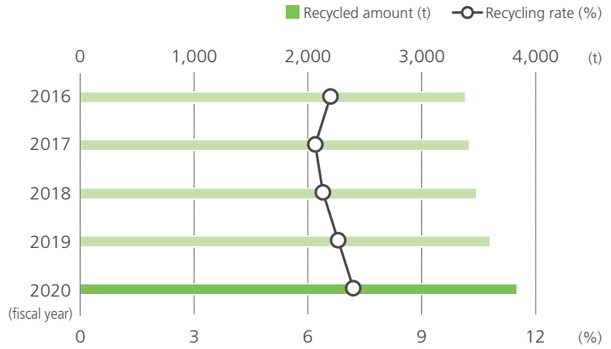
Recycling rate (%):
2016, 6.7%
2017, 6.5%
2018, 6.6%
2019, 7.4%
2020, 7.6%



[Should read:]

Recycled amount (t):
2016, 3,386t
2017, 3,418t
2018, 3,482t
2019, 3,600t
2020, 3,837t

Recycling rate (%):
2016, 6.6%
2017, 6.2%
2018, 6.4%
2019, 6.8%
2020, 7.2%

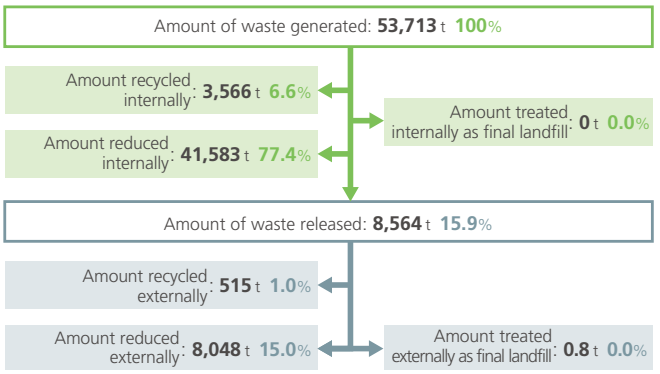


Correction Target 10	Page 51, Responsible Care, Reduction of Amount Released into the Environment, Waste material, Waste material treatment flow

[Now reads:]

Amount of waste generated: 53,713t
Amount reduced internally: 77.4%
Amount of waste released: 8,564t, 15.9%
Amount recycled externally: 515t, 1.0%
Amount reduced externally: 8,048t, 15.0%
Amount treated externally as final landfill: 0.8t, 0.0%

Waste material treatment flow



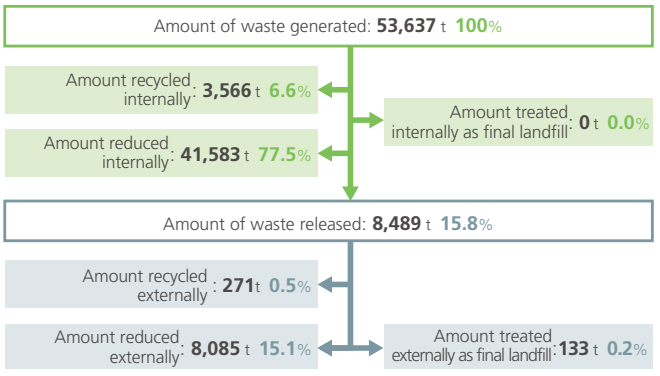
*Some totals may not tally due to rounding

Scope of aggregation: Yokkaichi Plant and Chiba Plant
Period covered: April 1, 2020 to March 31, 2021

[Should read:]

Amount of waste generated: 53,637t
Amount reduced internally: 77.5%
Amount of waste released: 8,489t, 15.8%
Amount recycled externally: 271t, 0.5%
Amount reduced externally: 8,085t, 15.1%
Amount treated externally as final landfill: 133t, 0.2%

Waste material treatment flow



*Some totals may not tally due to rounding

Scope of aggregation: Yokkaichi Plant and Chiba Plant
Period covered: April 1, 2020 to March 31, 2021