

Let's Think About SDGs

Issue 7 Goal 6 Clean water and sanitation Goal 14 Life below water

Hi, Mr. SDGees here again,
This month, let's learn about water-related goals that are essential for making paper.



Do remember to check the QR Code. It'll help!



Since Issue 2, we have addressed the goals of the SDGs that are closely related to the Nippon Paper Group. In this issue, we will explore Goals 6 and 14, both related to water, which is essential to our business.



Goal 6 Ensure availability and sustainable management of water and sanitation for all

Targets related to Nippon Paper Group

- 6.3 Reduce pollution, dumping, and harmful chemical substances
- 6.4 Significantly improve water use efficiency across all sectors
- 6.6 Protection and recovery of ecosystems related to water



Goal 6 and targets, full text at <https://bit.ly/2liAkww>



Goal 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Targets related to Nippon Paper Group

- 14.1 Prevent all marine pollution
- 14.3 Minimize the impact of ocean acidification



Goal 14 and targets, full text at <https://bit.ly/2OTWbeU>

Background 40% of the world is unable to use safe hygienic water. From now on, floods and drought damage caused by global warming, and population increase on a global scale, are expected to further increase the number of people in this situation

In addition, the deterioration of the marine environment due to waste and pollutants has become a major social problem. There is also concern about the impact of ocean acidification on the marine ecosystem as CO₂ generated on land is dissolved in seawater.

Nippon Paper Group and Goals 6 and 14

Our water and ocean-related efforts are related to sustainable forest management, the use and discharge of water in production, reducing CO₂ emissions minimizing our impact on ocean acidification, and protecting the richness of the oceans. This means that it involves the entire value chain.

Positive Impact
Contributing to water purification, efficient use and prevention of marine pollution.

Increasing Example
Implementation of sustainable forest management (Goal 6.6).

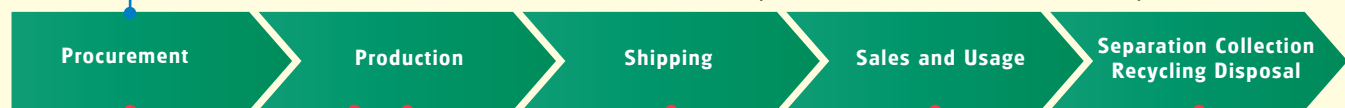
Related to goal 15

<https://bit.ly/2OTB8ch>

Increasing Example
Clean the sea with the power of collaboration (Goal 14.1)
Panel 1

Sustainable Value Chain*

* Value chain: the entire sequence of activities or parties that provide or receive value in the form of products or service



Negative Impact
Inefficient use of water, polluting water and the ocean.

Decreasing Example
Reduce environmental impact, recycle water (targets 6.3, 6.4, 14.1)
Panel 2

Decreasing Example
CO₂ emission reduction (14.3)
We are engaged in this in all business activities through the value chain.

Related to goal 13

<https://bit.ly/2lovSMP>

Panel 1

Clean the sea with the power of collaboration (Goal 14.1)

Participation in the Clean Ocean Material Alliance (CLOMA)

In January 2019, the "Clean Ocean Material Alliance (CLOMA)" was established to accelerate innovation by promoting the sustainable use of plastic products and the development and introduction of alternative materials in order to solve the global plastic waste problem. As at February 2019 there were about 170 participant organizations across industries such as chemical, paper, food and retail.



Paper is anticipated as an alternative material.

We participate as a managing company for the alliance.

Local Shoreline Cleaning

Every year in June, people from our Gotsu Plant cleans the Sea of Japan shoreline located on the north side of the plant. In June 2018, approximately 160 people participated, including people from a related company. The trash picked up, mainly plastic trash and wood waste, totaled about 150 bags.



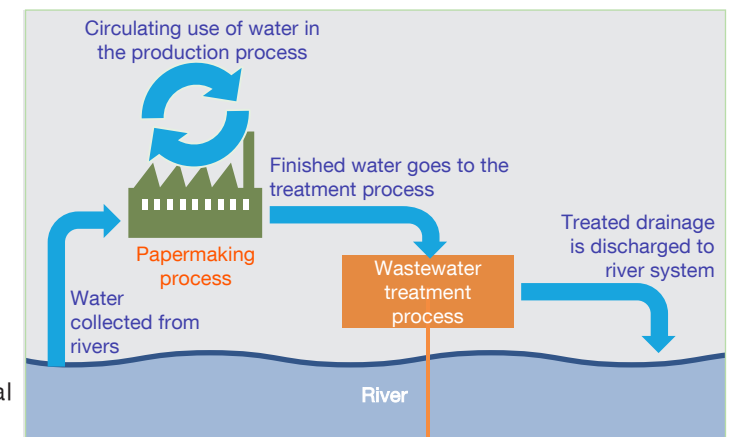
Beach cleaning

Panel 2

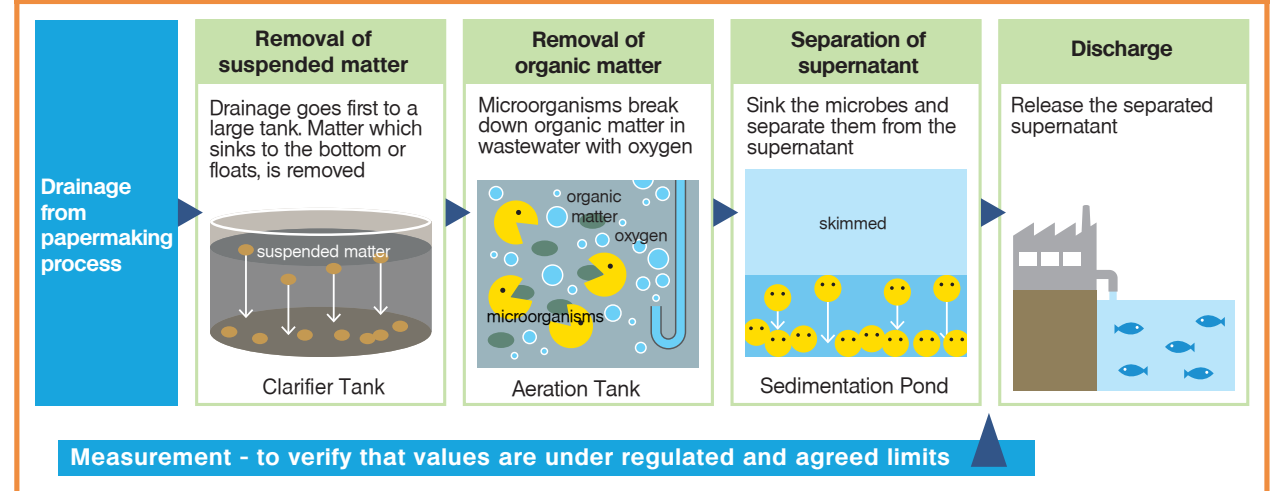
Waste water is treated and returned to rivers and the sea after being effectively used (targets 6.3, 6.4, 14.1)

Paper is made by dispersing pulp fibers in water before making into thin sheets; it requires a large amount of water. At our mills, we are working to improve water use efficiency by, for example, partially recycling water taken from rivers during production.

Wastewater that has undergone effective use contains suspended solids and organic matter such as fine fibers and papermaking materials. Our waste water treatment uses microorganisms, etc., for reducing water pollutants and controls pH to comply with legal standards and values agreed with local governments.



General wastewater treatment of Nippon Paper Group paper mill



Measurement - to verify that values are under regulated and agreed limits



Goals 6 and 14 are closely related to our group. Also, the goals seem to be related to each other.



Please send your opinion to the web survey. Questionnaire <https://bit.ly/2CNaXzG>