



UPM Rauma



Environmental and societal responsibility 2024

UPM Rauma

UPM Communication Papers Oy's Rauma mill is located by the sea on the west coast of Finland, near Rauma's city center. Metsä Fibre Oy's pulp mill, Forchem Oy's tall oil distillation plant and Rauman Biovoima Oy's biofuel power plant are also based at the mill site. UPM Communication Papers Oy produces the raw and chemically treated water used at the site, and is responsible for the treatment of the site's industrial and municipal wastewater. The companies collaborate closely in energy production, and Rauman Biovoima supplies the district heating power required by the city of Rauma. The operations of Rauman Biovoima and the Rauma paper mill support the city's Hinku project on carbon neutrality.

The Rauma mill, excluding RaumaCell, is part of UPM Communication Papers Oy, which is one of UPM-Kymmene Oy's subsidiaries. RaumaCell is part of UPM-Kymmene Oyj.

Currently, the Rauma mill has two paper machine lines, a fluff pulp line, a twin-line debarking plant, two TMP plants, a surface water treatment plant, a biological effluent treatment plant and a landfill site for industrial waste.

The paper machines produce coated LWC paper used in magazines. The paper made in Rauma is used in magazines, sales catalogues and advertising products. In addition to paper, RaumaCell produces fluff pulp for the production of hygiene and tabletop products.

Also located at the UPM Communication Papers Oy mill site is Rauman Biovoima Oy's biofuel power plant, which procures the majority of its operation, maintenance and environmental services from UPM Communication Papers Oy. Approximately 84% of the energy produced by Rauman Biovoima Oy for UPM is produced using renewable fuels. As the power plant is a separate company, its operations have only been included in this annual report with regard to vicarious liability.



Production capacity	645,000 tonnes of paper 100,000 tonnes of fluff pulp
Personnel	415
Products	Coated magazine paper: UPM Star, UPM Ultra, UPM Cote, UPM Valor, UPM Cote Silk, UPM Ultra Matt, UPM Star Silk Fluff pulp: UPM BioBright, UPM BioSmart, UPM BioBrown
Certificates	EMAS (EU Eco-Management and Audit Scheme) – Environmental management and audit system ISO 14001 – Environmental Management System ISO 9001 – Quality Management System ISO 45001 – Occupational Health and Safety Management System PEFC Chain of Custody – Programme for the Endorsement of Forest Certification FSC® – Forest Stewardship Council® ETJ+ – Energy Efficiency System All certificates can be found from UPM's Certificate Finder (available at http://www.upm.com/responsibility)
Environmental labels	EU Ecolabel



UPM Rauma Environmental and Societal Responsibility 2024 is a supplement to the Corporate Environmental and Societal Responsibility Statement of UPM's pulp and paper mills (available at www.upm.com) and provides mill-specific environmental and societal performance data and trends for the year 2024. The annually updated mill supplements and the UPM Corporate Environmental and Societal Responsibility Statement together form the joint EMAS Statement of UPM Corporation. The next Updated UPM Corporate Environmental Statement and also this supplement will be published in 2026.

UPM is a material solutions company, renewing products and entire value chains with an extensive portfolio of renewable fibres, advanced materials, decarbonization solutions, and communication papers. Our performance in sustainability has been recognized by third parties, including EcoVadis and the Dow Jones Sustainability Indices. We operate globally and employ approximately 15,800 people worldwide, with annual sales of approximately €10.3 billion. Our shares are listed on Nasdaq Helsinki Ltd.

UPM – we renew the everyday
Read more: upm.com



The mark of responsible forestry

For more information about FSC certification visit fsc.org



For more information about PEFC certification visit pefc.org



EU Ecolabel : FI/011/001

Review of the year 2024

The year 2024 differed from 2023. The most significant difference was the political strikes in early 2024, which reduced production by the paper mill. Additional challenges were also brought about by intermittent production issues reflected in higher than normal water consumption and solid losses, which were recovered at the wastewater treatment plant, and did not therefore impact the environment. The operations in 2024 complied with the environmental permit, except for the malfunction of the wastewater treatment plant in October 2024.

We have developed our operations in accordance with UPM's 2030 targets. In 2024, measures to reduce the environmental impact were continued. The previously reported use of magnesium hydroxide has been continued, with the aim of reducing the amount of organic matter in water (COD) discharged to the wastewater treatment plant. The advanced high level control of bleaching has been enabled and optimized to reduce the amount of peroxide. In 2024, an investment in a reject pipe between paper machine 1 and paper machine 4. The waste pipe can be used to pump the reject from paper machine 1 to paper machine 4 for use. With the help of the pipe, it has been possible to significantly avoid situations where reject is discharged to the wastewater treatment plant during longer disturbances when the reject tanks are full. The electric boiler commissioned in 2023 has been in normal production use and has been operated when necessary.

The port's operations changed at the beginning of 2024. UPM sold the port structures to Metsä Fibre Oy, which owns the land area. As the port is part of the UPM factory's environmental permit, UPM submitted a notification of transfer of the port to the supervisory authority for permit reasons. Correspondingly, Metsä Fibre made a receipt notification, stating that it is the actual port operator. Therefore, the responsibility for compliance with the obligations described in the environmental permit falls on Metsä Fibre. Due to this change, the port operations are no longer described in this report, and the reporting on them is carried out by Metsä Fibre.

Active preventative safety work with regard to environmental matters continued in 2024. Personnel were encouraged to make observations related to environmental matters and notifications of deviations. There were no significant environmental incidents at the paper mill in 2024. Similarly to previous years, the environmental non-conformances (minor, mild) in 2024 were typically related to reject tank overruns, deficiencies in chemical containment basins and small-scale breaks in hydraulic hoses, which only had minor impacts and could be repaired with relatively small measures. A Cat1 level environmental

non-conformance (minor) took place at the wastewater co-treatment plant on June 31, 2024. During discharge of the additional nutrients entering the wastewater co-treatment plant, the vehicle's hydraulic hose was damaged. It is estimated that about 20 l of oil leaked into the ground, which was absorbed with an oil absorption mat.

On August 12, 2024, a Cat2 level environmental non-conformance (minor) occurred. The MetsäFibre plant reported an oil spill at the pulp mill, which was managed with the help of an oil separation well, and there was no danger to the wastewater plant.

On October 4, 2024, a Cat3 level environmental non-conformance (moderate) was reported to the Centre for Economic Development, Transport and the Environment. It involved a power outage at the Rauma wastewater treatment plant, which stopped the optical brightening agent pumps of the pre-sedimentation system, which led to partly purified wastewater flowing into the sea. The power back-up system was switched on after 41 minutes. As a corrective measure for the non-conformance, the operating instructions for power outages were revised and reviewed with the staff. The non-conformance caused an additional COD load of about 2.8 tonnes (about 8% of the normal daily load), but this did not exceed the permit limits or pose a risk to the environment. The sewage of the city of Rauma did not enter the sea, as it is led to a later stage of the process.

In 2024, the Centre for Economic Development, Transport and the Environment was contacted once with regard to the wastewater co-treatment plant. A communication about odor nuisances had been made from the vicinity of the wastewater co-treatment plant. According to the reports, the wastewater co-treatment plant process operated in a normal manner during the observations, and

thus the notification was not linked to the joint treatment plant's operations.

Noise

In 2024, noise abatement continued to focus on preventive maintenance. In addition, an annual noise measurement was carried out on the agreed sites outside the plant, for which a separate report is submitted. One external communication due to noise/vibration was received. It was related to steam discharge in the power plant area. The discharges are related to exceptional production situations. The noise model for the mill site has been updated to reflect the situation after the closure of PK2 and the mills in 2020.

Waste

In 2024, waste management continued as in previous years, with all solid waste being recovered either as material or energy. Ash is generated at the Rauman Biovoima power plant, and all of the ash was reused as building material for the Sampaanalantahti site. The aim is to continue to use ash and other recycled materials from the forest industry also in 2025.

In 2024, the construction of the layer structures on the Sampaanalantahti construction site continued. In the area of basin B, 3,500 m² of area was built. The built area is only missing the surface structure. The surface structure will include levelling and the construction of various layers, including the asphalt layer on the surface. The thickness of the surface layer will be about 50 cm. The environmental permit for the filling of the Sampaanalantahti inlet is valid until the end of 2028. In 2021, a new environmental permit was obtained for the construction of the unbuild area of Sampaanalantahti as a storage area. An appeal related to the permit was filed with the Vaasa Administrative Court, ▶




Jari Mäki-Petäys,
Mill Manager




Pasi Varjonen,
Safety and Environmental Manager

- ▶ which issued its decision in 2024. In accordance with the decision, permit decision 12 was returned to the Regional State Administrative Agency for processing, where it is at the time of writing.

Certificates

The paper mill has shifted to a so-called multisite model (ISO certificates, ETJ+) as far as the quality management system's certification is concerned, which covers all paper mills in Finland. Both internal and external audits are integral parts of the Multisite model. Internal audits are carried out by auditors from other units. Kiwa is responsible for the external audits.

The continuous development of processes and functions is central to the mill's operations and the core content of various standards (ISO 9001, ISO 14001, ISO 45001). The mill is constantly developing its processes and operations, providing personnel and partners with training and continuing to minimize risks to the environment. The evaluation of risk assessments and risk management plans and the corrective measures targeted at them are an integral part of the environmental assessments carried out in internal audits. In addition, our operations are evaluated by the environmental authorities and independent external environmental specialists. The mill works in co-operation with various parties on a regional level. The mill participates in drawing up regional environmental programs, analyzing the state of waters and planning programs of measures in compliance with the Water Framework Directive. In particular, we want to take part in projects aimed at improving the state of the Rauma sea area and the Baltic Sea. In addition, we participate in the HINKU – towards carbon neutral Rauma program and support the Joki program of the Pyhäjärvi Institute.

The entire production of the paper mill has been awarded the EU Ecolabel, which was last approved at the mill in 2024. The EU Ecolabel criteria were updated in 2019. The label shows that a product has been manufactured in a way that saves energy and water, minimizes the amount of waste, favors renewable natural resources, and uses raw materials that are as environmentally friendly as possible. The EU Ecolabel is the only independent environmental label valid throughout Europe. The Rauma mill also meets the criteria for the audited Nordic Ecolabel status.

Environmental permit situation

Review applications for the environmental permit for the mill, the port and the wastewater co-treatment plant were submitted for processing in 2015. This was based on the requirement in section 80 (1) of the Finnish Environmental Protection Act to apply for environmental permit review, due to new BAT conclusions. The environmental permit had to also be reviewed due to changes in operations. The Regional State Administrative Agency for Southern Finland granted the permit currently in effect on December 7, 2016, which was amended by the Vaasa Administrative Court on September 20, 2018. The wastewater co-treatment plant's current environmental permit was issued by the Regional State Administrative Agency for Southern Finland on May 8, 2018, for which the Supreme Administrative Court ordered a clarification on November 11, 2021. For the clarification, the conditions in the treatment plant must be reviewed to achieve a good purification level for all permit values of the new permit. The review must be carried out during 2025.

UPM Rauma

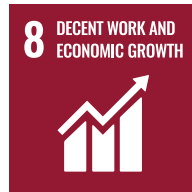
Contribution to UN Sustainable Development Goals in 2024



Energy

Share of biomass-based fuels of the energy supplied by Rauman Biovoima Oy.

84%



Taxes

Mill's local tax impact approx.

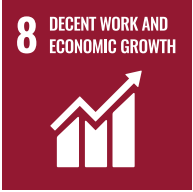
EUR 6.6 million

Real estate tax EUR 0.36 million

Estimate of tax on salaries EUR 0.5 million

Estimate of corporate income tax EUR 5.7 million based on the number of employees*

*Approximately 24% of corporate income tax goes to municipalities, which is split between each municipality according to their share of business activities and forests operations.



Safety

2,814

safety and environmental observations, incident reports, safety inspections and discussions recorded by the personnel at UPM Rauma.

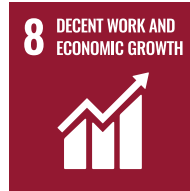
Rauma's TRIF concerning UPM employees and contractors for 2024



Waste

Reused ash

100%



Employment

Mill employed

415 persons

Summer workers and trainees

53 persons



Supply chain

92%

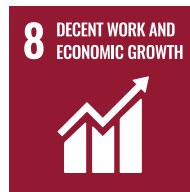
of raw materials spend qualified against UPM Supplier and Third Party Code (wood not included)



Water

Percentage of recycled nutrients of the effluent purification plant's additional nutrients

92.7%



Health

Sick leaves:

3.7%

* calculated from theoretical working time

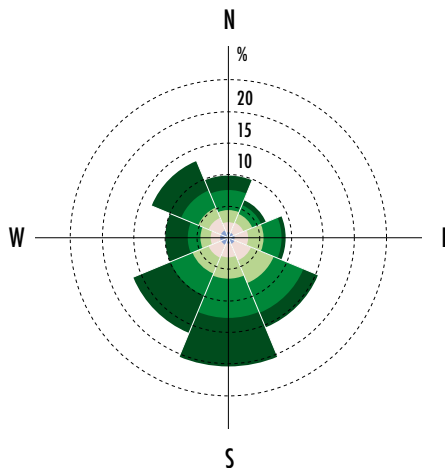
Air



Sulfur, nitrogen and CO₂ emissions in 2024 decreased slightly compared to 2023.

Emissions to air were reduced because of the decreases in the amount of energy sourced from Rauma's Biovoima compared with the previous year, due to the lower production volumes in 2024.

The air-quality measurement point nearest to the Rauma mill is located in Sinisaari, approximately 0.5 kilometers (towards the city) from the mill. The wind rose shows the direction of the wind. The winds at the measurement point in Kylmäpihlaja were used as data for the wind rose in 2024 when the Sinisaari wind meter was broken.

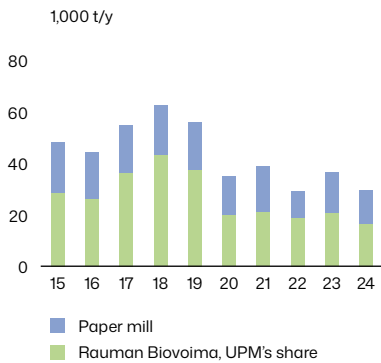


Wind rose

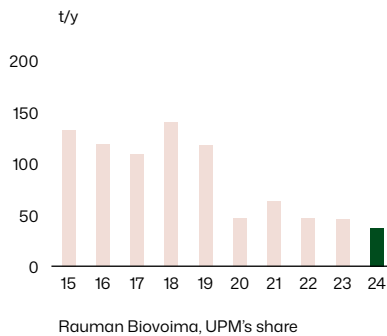
- 0.5–3 m/s
- 3–5 m/s
- 5–7 m/s
- 7–10 m/s
- > 10 m/s

Wind direction and wind speed in Kylmäpihlaja for the measurement period Jan. 1–Dec. 31, 2024. Source: Finnish Meteorological Institute.

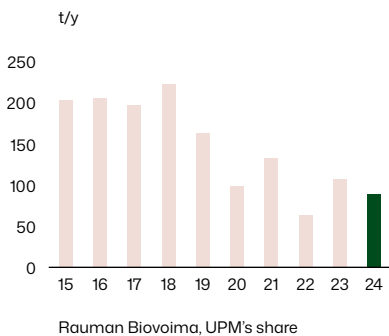
Carbon dioxide, fossil, CO₂, scope 1



Sulfur dioxide, SO₂



Nitrogen oxides, NO_x



Waste

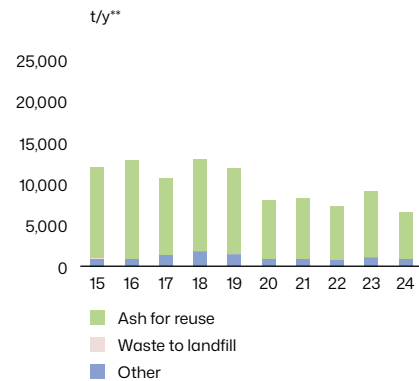


Ash from the power plant was reused in the construction at the Sampaanalantahti site, as in previous years. The rest of the generated waste was mill waste, recycled fiber, metal and hazardous waste, and combustible waste.

All solid waste is reused as materials or energy. Ash is generated at the Rauman Biovoima power plant, and all of it was reused as building material for the Sampaanalantahti field. In 2025, our goal is to continue to use ash and other recycled materials from the forest industry. Possible options include the surface structures of landfills and the construction of storage areas. We are also looking into new ways of reusing materials in earthworks. Ash will be used to replace other construction materials, such as cement.

The use of the Suiklansuo landfill area ended as early as 2017. The last deposits to the site before it was closed down were green liquor dregs from Metsä Fibre Oy and mill waste from UPM.

Waste and reuse*



* ash, Rauman Biovoima's share
** calculated as dry weight

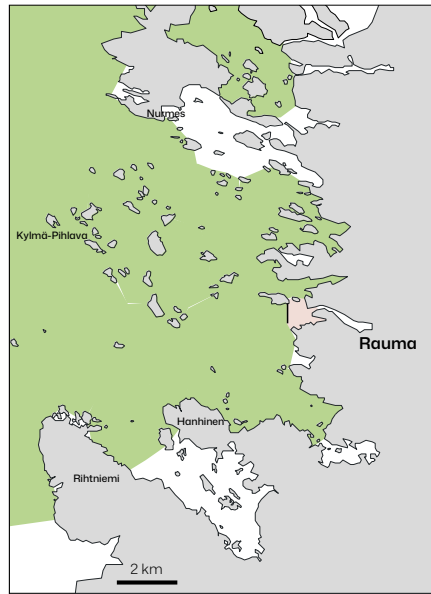
Water



An operational committee made up of representatives from UPM Communication Papers Oy, Metsä Fibre Oy and the city of Rauma is in charge of developing the co-treatment and monitoring its success. UPM Communication Papers Oy continues to bear the responsibility for wastewater treatment.

The wastewater treatment operations were at the normal, good level. In 2024, one case of the permit limits being exceeded was recorded in connection with wastewater treatment.

The treatment plant's annual total discharges were in compliance with BAT levels. The wastewater effluent load from the forest industry and the wastewater co-treatment plant is now so low that the state of the sea water can no longer be significantly improved by making treatment more efficient. In line with UPM's 2030 targets, the wastewater treatment plant uses recycled nutrients, which accounted for 92.7% of all nutrients used. In the production of the UPM Rauma paper, all wastewater loads were at BAT level, except for the amount of wastewater, which exceeded the level.

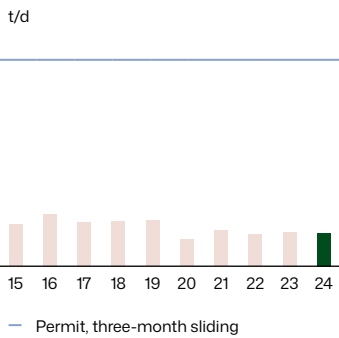


- Excellent
- Good
- Satisfactory
- Passable
- Poor

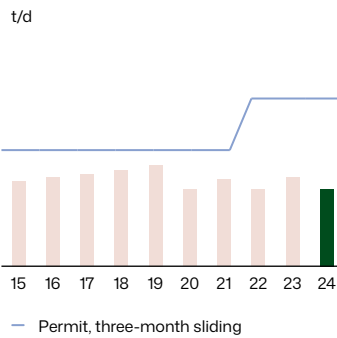
The general usability of the Rauma sea area in 2024. The classification is based on the phosphorus and chlorophyll content and the amount of *E. coli* bacteria in the production layer between June and September. The classification was determined based on the weakest quantity.

Source: Lounais-Suomen vesi- ja ympäristötutkimus Oy

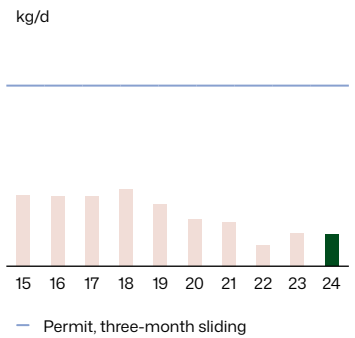
Biological oxygen demand, BOD₇



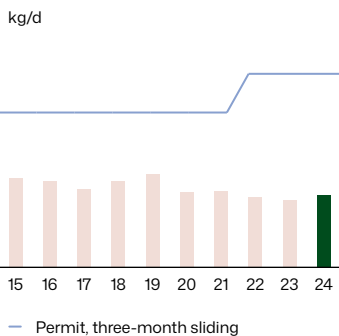
Chemical oxygen demand, COD_{Cr}



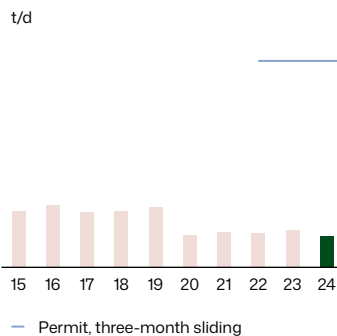
Phosphorus, P



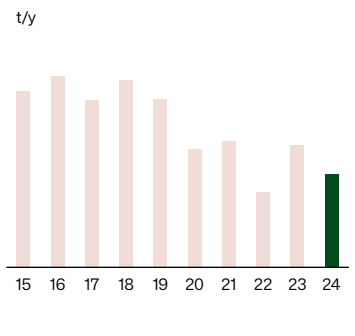
Nitrogen, N



Solid load into the sea



COD load into the sea, UPM's share



Management of crises and exceptional situations

Prevention of exceptional situations and management of crises at the Rauma mill is the responsibility of the mill management and the safety and environmental organization, as well as the fire-fighting and mill protection organization. Both guidelines for exceptional situations and rescue and fire extinguishing plans have been made for the Rauma mill.

A crisis management group has been established for the management of exceptional situations, which is responsible for the

operative management of exceptional situations. The crisis management group is led by the mill manager and he has two deputies. In addition, members have been appointed to the crisis management group from different parts of the mill organization.

An exceptional situation refers to an unforeseen chain of events that has a powerful impact on the functions of the organization and escalates quickly. Exceptional situations include serious accidents (large fires, explosions, and chemical and traffic accidents on

the mill site), environmental damage, serious work-related injuries, cyber security threats, and information attacks. The operations of the mill safety organization cover expert duties in occupational safety, mill guarding, firefighting and rescue operations, and the control of hazardous substances. Drills related to exceptional situations are an important part of preventive safety work. Firefighting and rescue operations are always led by the rescue authorities.

Societal responsibility

Well-functioning dialogue with stakeholders is key to UPM's success. We are committed to promoting the vitality of the communities near our facilities through active collaboration and open dialogue with different stakeholders, as well as through different sponsorship projects and employee volunteering.

We create economic well-being as a company. We impact local communities and societies in various ways. Understanding the impact that we have is an essential component of our business success. In many locations, we are a significant employer, taxpayer and partner to local entrepreneurs, making positive contributions to the local economy. UPM Communication Papers Oy's effect on employment in the Rauma region is significant. We apply several precautionary measures to mitigate and remedy potential adverse environmental and social impacts on our surrounding communities.

Tax revenue generated by UPM's business operations is an essential part of our social impact. UPM pays corporate income taxes in the countries where we create added value and generate profit. Due to our corporate and operational structure, we mainly report and pay our corporate income taxes in the countries of production and in the countries where innovations are being developed. In addition to the taxes we pay on income, our various production inputs and outputs are also subject to taxation. Taxes are paid in accordance with the local tax legislation and regulations of the country in question.

In 2024, UPM's corporate income taxes paid and property taxes were approximate-



ly 176 million euros in total (221 million euros in 2023).

The operations of our mills also support local communities in many ways. The property taxes paid and the municipal share of corporate income taxes support the local economy. In addition, the municipal taxes and social security contributions that the employees pay from their wages have a significant local impact. Furthermore, the purchasing power of UPM's employees and subcontractors maintains and enhances the vitality of local communities.

We support sustainable development and promote the financial and mental wellbeing of the communities around us by participating in numerous community projects as a company. Our work in this arena is clearly connected to our strategy and sustainabil-

ity targets. It is coordinated as part of our Share and Care program.

The Share and Care program comprises three forms of support: sponsorships, donations and employee volunteering. The support can be a monetary contribution, products, materials or concrete work in projects agreed on locally. The Rauma mill has supported local sports clubs financially. Local sponsorship projects comprise target-oriented, long-term involvement in the communities where UPM operates.

Our focus is on activities and projects that are relevant to our business, that support innovation and sustainability or that promote local vitality and wellbeing. The three focus areas of the Share and Care program are Reading & Learning, Local Engagement and Beyond Fossils projects.



From 2025, the programme's focus areas will be youth, education, and climate and biodiversity.

Responsible sourcing

UPM is committed to responsible sourcing practices throughout the supply chain. We work closely with our suppliers to ensure that they understand and meet all of the company's requirements for sustainability and responsibility.

We require all suppliers to comply with the UPM Supplier and Third Party Code, which specifies the minimum requirements for responsibility relating to environmental impacts, human rights, labor practices, occupational health and safety, product safety and bribery.

UPM's aim is that by 2030 100% of the value of raw material procurements and 80% of the value of all procurements come from suppliers who have committed to UPM's Code. In 2024, 97% of the value of UPM's raw material procurements and 91% of the value of all procurements came from suppliers like these.

Suppliers' environmental and social performance is tracked through regular data collection and analysis. Based on the annual risk assessments, we select the suppliers whose performance we want to study more closely. If any non-conformity is found, the supplier is obligated to take corrective actions. We actively keep track of the results of these actions and support our suppliers with our know-how so that they can enhance their performance.

We want to be the industry leader in safety

Our goal at UPM is to be the industry leader in occupational health and safety. Our target is zero serious and fatal accidents. Safety is fully integrated into our daily activities and is not seen as secondary to any other consideration. We strive to reduce and eliminate accidents under our control through continuous improvement and effective risk management.

Our employees, as well as business partners and their employees, are required



to adopt safe work practices and comply with the rules and standards that we have established.

Before gaining access to UPM's production sites, contractors participate in UPM safety training, which presents the basic safety requirements. This is complemented by job-specific safety induction and a work permit.

Ware are committed to the surrounding society

The Rauma mill operates closely with society. UPM Communication Papers Oy supplies the raw water for the city and forest industry. The wastewater co-treatment plant simultaneously purifies the wastewaters of both the forest industry and the community.

Rauman Biovoima provides the paper mill with all of the process steam needed and, in practice, all of the district heating power used by the city of Rauma. Of the fuel used to produce energy, 84% is biomass-based.

In 2024, the mill's total wood usage was 730,000 cubic meters, which mainly came from the adjacent areas.

Our proactive safety work is active

With regard to occupational safety, five minor lost time accidents happened to UPM personnel at the mill site in 2024. Two minor lost time accidents involving contractors occurred. We have taken proactive safety measures. Personnel reported a total of 1,836 safety observations and hazardous situations. In addition, 978 safety discussions and inspections were conducted. The personnel were active on a wide front.

Environmental parameters

The figures related to production as well as raw material and energy consumption are published as aggregated figures on group level in the UPM Corporate Environmental and Societal Responsibility Statement.

		2022	2023	2024
Production capacity	Paper RaumaCell	665,000 t 100,000 t	645,000 t 100,000 t	645,000 t 100,000 t
Raw materials	Pulp and chemicals	See UPM Corporate Environmental and Societal Responsibility Statement for more information		
Energy	Biomass-based fuels Fossil fuels Purchased electricity (UPM) ¹⁾	68% 32%	75% 25%	73% 27%
Emissions to air	Particles Sulfur dioxide, SO ₂ Nitrogen oxides, NO _x Carbon dioxide, CO ₂ (on-site fossil emissions, scope 1) Carbon dioxide, CO ₂ (fossil emissions from purchased energy, scope 2)	1 t 46 t 69 t 29,102 t 0 t	1 t 45 t 115 t 36,700 t 0 t	2 t 37 t 96 t 27,558 t 3 t
Water intake	Process and cooling water	8,000,197 m ³	8,423,381 m ³	9,908,529 m ³
Discharges to water	Clean cooling water and rainwater in the area Process effluent Biological oxygen demand, BOD ₇ Chemical oxygen demand, COD _{Cr} Solids Phosphorus, P Nitrogen, N	32,988 m ³ 7,265,260 m ³ 38 t 1,464 t 86 t 15 t 23 t	28,130 m ³ 10,172,408 m ³ 56 t 2,372 t 119 t 14 t 29 t	89,001 m ³ 9,858,326 m ³ 54 t 1,808 t 99 t 13 t 31 t
Waste²⁾	Waste to landfill and/or incineration without energy recovery Recovered waste - Ash - Metal - Energy waste - Recycled fiber, etc. - Building waste - Others	0 t 8,934 t 343 t 383 t 273 t 53 t 97 t	0.2 t 10,854 t 560 t 592 t 332 t 0 t 92.5 t	0 t 7,745 t 322 t 446 t 326 t 0 t 129.6 t
Hazardous waste		12 t	27.5 t	94.6 t
Land use	Total sealed area Total nature-oriented area on site Total nature-oriented area off-site	153 ha 127 ha 26 ha 90 ha	153 ha 127 ha 26 ha 90 ha	153 ha 127 ha 26 ha 90 ha

¹⁾ See the UPM Corporate Environmental and Societal Responsibility Statement for more information (e.g. energy indicators)

²⁾ Waste amounts given as dry weight



Performance against targets in 2024

Target	Achievement	Comments
Preventing environmental incidents and achieving Clean Run targets by maintaining uninterrupted operation of the wastewater treatment plant, including ensuring aeration capacity and front-end scrubber operation during downtime.	No	One CAT3 level non-conformity caused by a sewage treatment plant pump outage as a result of a power failure
Paper machines' solid loss to the treatment plant is less than 2.0% of production	No	Achieved rate 3.6%. Disrupted production year due to, for example, political strikes.
Paper-machine water consumption was less than 11.5 m ³ /t	No	Disrupted production year due to, for example, political strikes
Further improvement of energy efficiency by identifying and implementing energy-saving measures	Yes	Optimizing the specific energy consumption for pulp by type
100% reuse of ash by using ash in the construction of storage field	Yes	All power plant ash was utilized in the construction of the storage field
UPM RaumaCell: Further reducing water consumption from 2023 by identifying and implementing water saving measures	Yes	Water consumption target met
UPM RaumaCell: Further improving energy efficiency, including replacing lighting with more energy-efficient technology	Yes	Steam consumption was reduced from 1.075 MWh/t in 2023 to 1.07 MWh/t

Targets for 2025

Target
Preventing environmental incidents and achieving Clean Run targets by maintaining uninterrupted operation of the wastewater treatment plant, including ensuring aeration capacity and front-end scrubber operation during downtime.
Reducing water consumption and solids waste by implementing changes to water connections and operating habits on paper machines <ul style="list-style-type: none"> • water consumption less than 11.5 m³/t • solids loss to the purification plant less than 2.0% of production
Further improvement of energy efficiency by identifying and implementing energy-saving measures.
100% reuse of ash by using ash in the construction of storage areas.
UPM RaumaCell: Further reducing water consumption from 2024 by identifying and implementing water saving measures.
UPM RaumaCell: Further improvement of energy efficiency, for example by continuing to switch to energy-saving technology in lighting.



Revalidation statement

As an accredited environmental verifier (FI-V-0001), Kiwa Sertifiointi Oy has examined the environmental management system and UPM Rauma Environmental and Societal Responsibility 2024 statement as well as the information concerning UPM Rauma in the UPM Corporate Environmental and Societal Responsibility Statement 2024.

On the basis of this examination, the environmental verifier has herewith confirmed on 2025-04-16 that the environmental management system, the Finnish UPM Rauma Environmental and Societal Responsibility 2024 statement and the information concerning UPM Rauma in the Finnish Updated UPM Corporate Environmental and Societal Responsibility Statement 2024 are in compliance with the requirements of the EMAS Regulation (EC) No 1221/2009.



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**UPM Communication Papers Oy
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