Thermo Fisher Scientific Inc. - Water Security 2021

W0. Introduction

W0.1

(W0.1) Give a general description of and introduction to your organization.

Thermo Fisher Scientific Inc.) is the world leader in serving science, with annual revenue exceeding $30 billion. Our Mission is to enable our customers to make the world healthier, cleaner and safer. Whether our customers are accelerating life sciences research, solving complex analytical challenges, improving patient diagnostics and therapies or increasing productivity in their laboratories, we are here to support them. Our global team of more than 80,000 colleagues delivers an unrivaled combination of innovative technologies, purchasing convenience and pharmaceutical services through our industry-leading brands, including Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific, Unity Lab Services and Patheon. For more information, please visit www.thermofisher.com.

W0.2

(W0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date
Reporting year	January 1 2020	December 31 2020

W0.3

(W0.3) Select the countries/areas for which you will be supplying data.

Australia
Belgium
Brazil
Canada
China
Costa Rica
Czechia
Denmark
Finland
France
Germany
India
Israel
Italy
Japan
Lithuania
Mexico
Netherlands
New Zealand
Norway
Republic of Korea
Singapore
Sweden
Switzerland
United Kingdom of Great Britain and Northern Ireland
United States Minor Outlying Islands
United States of America

W0.4

(W0.4) Select the currency used for all financial information disclosed throughout your response.

USD

W0.5

(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.

Companies, entities or groups over which operational control is exercised

W0.6

(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?

Yes

W0.6a

(W0.6a) Please report the exclusions.

Exclusion	Please explain
Facilities under 20,000 square feet in size	The data from these sites is not considered material for this report as that square footage makes up about 4% of the Company's total square footage

W1. Current state

W1.1

(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Important	Important	Good quality freshwater is used in products such as pharmaceuticals and as a vital component for the successful production of other products such as the steam required to create agars. Water is also used in the cleaning and manufacturing of products. The indirect use has not yet been evaluated but may be part of future engagement efforts with the Company's supply chain.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Neutral	The Company has systems in place to recycle water within sites for production efficiency and to reduce the energy needed to reheat water used in certain steam processes. This is an effort to lower municipal water and energy costs and guard against water overuse.

W1.2

(W1.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

	% of sites/facilities/operations	Please explain
Water withdrawals – total volumes	51-75	Data for water usage at sites comes from monthly utility invoices and current coverage is around 70% of total square footage.
Water withdrawals – volumes by source	Not monitored	
Entrained water associated with your metals & mining sector activities - total volumes [only metals and mining sector]	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>
Water withdrawals quality	Not monitored	
Water discharges – total volumes	Not monitored	
Water discharges – volumes by destination	Not monitored	
Water discharges – volumes by treatment method	Not monitored	
Water discharge quality – by standard effluent parameters	Not monitored	
Water discharge quality – temperature	Not monitored	
Water consumption – total volume	51-75	Data for water usage at sites comes from monthly utility invoices and current coverage is around 70% of total square footage.
Water recycled/reused	Not monitored	This is monitored at the site levels in some cases but it is not yet captured for the full company
The provision of fully-functioning, safely managed WASH services to all workers	100%	Monitored by our EHS function.

W1.2b

(W1.2b) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, and how do these volumes compare to the previous reporting year?

	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Total withdrawals	24172	Higher	This year the Company had an unprecedented year due to our support of COVID-19 relief efforts. Our production increased substantially at sites that manufactured key products. This increased our water usage as well.
Total discharges		Please select	
Total consumption	24172	Higher	This year the Company had an unprecedented year due to our support of COVID-19 relief efforts. Our production increased substantially at sites that manufactured key products. This increased our water usage as well.

W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress and provide the proportion.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Identification tool	Please explain
Row 1	Yes	1-10	Higher	WRI Aqueduct	Over the past year the water stress levels have shifted for one site in southern California and one site in Northern Mexico. These increased stress levels are revealed by the Aquaduct tool. Both sites do operate with sensitivity to water withdrawals but will be undergoing further review in 2021.

W1.4

(W1.4) Do you engage with your value chain on water-related issues?

Yes, our customers or other value chain partners

W1.4c

(W1.4c) What is your organization's rationale and strategy for prioritizing engagements with customers or other partners in its value chain?

Thermo Fisher regularly engages customers via meetings and presentations. We engage with our supply chain partners via our supply chain code of conduct and EcoVadis surveys. We prioritize the areas of focus by determining the biggest risks which are defined by financial considerations. In 2019 the company signaled its increasing commitment to responsible citizenship by signing on to the U.N. Global Compact as a public sign that the Company takes social responsibility seriously and in 2020 the Company filed its first progress report towards compliance with the nine principles.

W2. Business impacts

W2.1

(W2.1) Has your organization experienced any detrimental water-related impacts?

No

W2.2

(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

No

W3. Procedures

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?

Yes, water-related risks are assessed

W3.3a

(W3.3a) Select the options that best describe your procedures for identifying and assessing water-related risks.

Direct operations

Coverage
Partial

Risk assessment procedure
Water risks are assessed as part of an enterprise risk management framework

Frequency of assessment
Annually

How far into the future are risks considered?
1 to 3 years

Type of tools and methods used
Enterprise Risk Management

Tools and methods used
Other, please specify (Tools and methods used are as directed by our insurance provider and as it relates to weather risk)

Comment
We are managing a pipeline of potential sites in the Company in order to reduce water consumption and consolidate vendor spend for water treatment chemicals. We are working with Nalco and Ecolab to help support the project

Supply chain

Coverage
Partial

Risk assessment procedure
Water risks are assessed in an environmental risk assessment

Frequency of assessment
Annually

How far into the future are risks considered?
Unknown

Type of tools and methods used
Other

Tools and methods used
Other, please specify (Water use and treatment is addressed via assessment that we ask supply chain members to complete on the EcoVadis platform.)

Comment
2019 was the first year that Thermo Fisher engaged with our supply chain via the EcoVadis platform and will continue to use it for environmental evaluation of supply chain members, including water data. In 2020 we expanded the number of suppliers that were contacted and asked to share environmental sustainability data, including water risk and data.

Other stages of the value chain

Coverage
Partial

Risk assessment procedure
Other, please specify (Thermo Fisher engages with our customers on environmental topics including water and ways in which our products can assist with a customers water use reduction goals.)

Frequency of assessment
Not defined

How far into the future are risks considered?
3 to 6 years

Type of tools and methods used
International methodologies

Tools and methods used
Life Cycle Assessment

Comment
Thermo Fisher has developed a line of green leaf products that have environmentally friendly properties, including lower water usage such as the Invitrogen ProQuantum High-Sensitivity Immunoassay Kits create cold-storage efficiencies by generating up to 50 percent less plastic waste, reducing water usage and reducing packaging by 84 percent. They also take up less space in the freezer.

W3.3b

(W3.3b) Which of the following contextual issues are considered in your organization's water-related risk assessments?

	Relevance & inclusion	Please explain
Water availability at a basin/catchment level	Relevant, always included	This is undertaken as part of the general risk assessment process since it is vital to a facility's success
Water quality at a basin/catchment level	Relevant, sometimes included	This topic is included when the water quality could have a material impact on the ability of the site to function properly, especially at a manufacturing facility.
Stakeholder conflicts concerning water resources at a basin/catchment level	Relevant, sometimes included	This topic is included during the due diligence phase of any site purchase and could be a reason for not moving forward.
Implications of water on your key commodities/raw materials	Relevant, always included	This is another topic that is always addressed during the due diligence period because of its potentially large impact on financial success
Water-related regulatory frameworks	Relevant, always included	This is always included and we are explicit in our EHS policy that all regulatory frameworks must be adhered to.
Status of ecosystems and habitats	Relevant, sometimes included	This topic is addressed during due diligence if a site is in a protected ecosystem or habitat. Otherwise it is not considered a material issue.
Access to fully-functioning, safely managed WASH services for all employees	Relevant, always included	This access is mandated by the EHS MS policy and all sites are expected to adhere to local and regional laws and regulations.
Other contextual issues, please specify	Please select	

W3.3c

(W3.3c) Which of the following stakeholders are considered in your organization's water-related risk assessments?

	Relevance & inclusion	Please explain
Customers	Relevant, sometimes included	When a customer has specific contractual control over waste (in this case effluent) they are deeply involved in the risk assessment.
Employees	Relevant, sometimes included	The Company has Green Teams that organize and volunteer around the world. Sometimes these teams address water issues at their sites. Also, all employees are encouraged to conserve water via our Real Estate playbook that presents best practices globally for the company.
Investors	Relevant, sometimes included	Water risk would be disclosed to investors if it becomes a significant enough financial risk that it would be included in the Company's annual report.
Local communities	Relevant, sometimes included	Within CSR we have a STEM education program. One of the programs we use for 11 year old children is designed to make them think about the waterways in their communities and develop/build a device to remove trash (it can be solid or liquid) from the waterway. We also present it by talking about water (even basins!) and water pollution globally.
NGOs	Not considered	This is not something we have considered but may be applicable in the future.
Other water users at a basin/catchment level	Relevant, always included	It would not make sense for the Company to acquire a site that may have a detrimental effect on the basin it sits in, therefore it is evaluated.
Regulators	Relevant, always included	EHS management system policy is clear that we expect all of our facilities to be in full compliance with any and all regulatory requirements including water discharge permits or other requirements placed by the jurisdictions we operate.
River basin management authorities	Relevant, sometimes included	HS management system policy is clear that we expect all of our facilities to be in full compliance with any and all regulatory requirements including water discharge permits or other requirements placed by the jurisdictions we operate.
Statutory special interest groups at a local level	Not considered	
Suppliers	Not considered	
Water utilities at a local level	Relevant, always included	This risk is addressed during the due diligence process and the water utility would be assessed
Other stakeholder, please specify	Please select	

W3.3d

(W3.3d) Describe your organization's process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.

Water-related risks are always assessed during any due diligence process made before acquiring a site. On site the site is under Thermo Fisher's control all sites are expected to abide by the EHS MS policy which dictates water usage and discharge as well as expects full compliance with local laws and regulations around water. Employees are given the Real Estate Playbook that considers water conservation a best practice. Beyond that we annually confirm that we do not operate in water scarce regions and rely on our insurance broker to make us aware of any risks we may have overlooked. All sites are audited on a rotating schedule for EHS policy compliance of which water responsibility is a part. In 2020 a pilot was developed whereby we will begin to monitor individual water intensive equipment via meter readings for better data sets from which we can measure water consumption. This pilot is expected to kick off in 2021.

W4. Risks and opportunities

W4.1

(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes, only within our direct operations

W4.1a

(W4.1a) How does your organization define substantive financial or strategic impact on your business?

Some of the biggest impacts are outlined here. Our business is affected by general economic conditions and related uncertainties affecting markets in which we operate. If the global economy and financial markets, or economic conditions in Europe, the U.S. or other key markets, are unstable, it could adversely affect the business, results of operations and financial condition of the company and its customers, distributors, and suppliers, having the effect of reducing demand for some of our products, increasing the rate of order cancellations or delays, increasing the risk of excess and obsolete inventories, increasing pressure on the prices for our products and services; and creating longer sales cycles and greater difficulty in collecting sales proceeds. International markets contribute a substantial portion of our revenues, and we intend to continue expanding our presence in these regions. The exposure to fluctuations in currency exchange rates takes on different forms. International revenues and costs are subject to the risk that fluctuations in exchange rates could adversely affect our reported revenues and profitability when translated into U.S. dollars for financial reporting purposes.

Our inability to protect our intellectual property could have a material adverse effect on our business. In addition, third parties may claim that we infringe their intellectual property, and we could suffer significant litigation or licensing expense as a result. We own numerous U.S. and foreign patents, and we intend to file additional applications, as appropriate, for patents covering our products. Patents may not be issued for any pending or future patent applications owned by or licensed to us, and the claims allowed under any issued patents may not be sufficiently broad to protect our technology. Any issued patents owned by or licensed to us may be challenged, invalidated or circumvented, and the rights under these patents may not provide us with competitive advantages. In addition, competitors may design around our technology or develop competing technologies. Intellectual property rights may also be unavailable or limited in some foreign countries, which could make it easier for competitors to capture increased market position.

For a full list of substantive financial and strategic impact definitions and examples please review Thermo Fisher Scientific's annually filed 10-K.

W4.1b

(W4.1b) What is the total number of facilities exposed to water risks with the potential to have a substantive financial or strategic impact on your business, and what proportion of your company-wide facilities does this represent?

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	4	1-25	Two of these facilities are located along coastal areas that are subject to hurricane caused flooding. The greatest concern is not flooding of the site but flooding of the surrounding area making the sites inaccessible to employees. Two of the se facilities are located in high water stress areas. This is a new development based on current drought conditions in western North America that have been exacerbated by climate change

W4.1c

(W4.1c) By river basin, what is the number and proportion of facilities exposed to water risks that could have a substantive financial or strategic impact on your business, and what is the potential business impact associated with those facilities?

Country/Area & River basin

United States of America	Other, please specify (San Jacinto)

Number of facilities exposed to water risk

2

% company-wide facilities this represents

Less than 1%

Production value for the metals & mining activities associated with these facilities

<Not Applicable>

% company's annual electricity generation that could be affected by these facilities

<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities

<Not Applicable>

% company's total global revenue that could be affected

Less than 1%

Comment

Flooding risk due to hurricanes

Country/Area & River basin

United States of America	Other, please specify (Tar-Pamlico)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
Less than 1%

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
1-10

Comment
Flooding risk due to hurricanes

Country/Area & River basin

United States of America	Colorado River (Pacific Ocean)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
Less than 1%

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
Less than 1%

Comment
Water stress due to drought conditions in the San Diego area

Country/Area & River basin

Mexico	Other, please specify (Tijuana Arroyo)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
Less than 1%

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
Less than 1%

Comment
Water stress due to drought conditions in the Baja California water basin

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W4.2

(W4.2) Provide details of identified risks in your direct operations with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.

Country/Area & River basin

United States of America	Other, please specify (San Jacinto)

Type of risk & Primary risk driver

Physical	Flooding

Primary potential impact
Disruption to workforce management and planning

Company-specific description
Our sites in Houston have the potential to be disrupted by flooding due to a hurricane or extreme rainfall. The two outcomes of damage from water is an increased insurance cost and disruption for our employees that live in the area.

Timeframe
Current up to one year

Magnitude of potential impact
Low

Likelihood
Likely

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
The financial impact would mostly occur from disruption of work for employees in the area.

Primary response to risk
Develop flood emergency plans

Description of response
While the topic above is the primary response because it is the most immediate need in a flooding scenario we would also confirm insurance coverage, ensure the building is compliant with local regulations, and ensure a business continuity plan is available.

Cost of response

Explanation of cost of response
Developing flood response emergency plans has already happened. As the primary risk it is something that Thermo Fisher plans ahead for.

Country/Area & River basin

United States of America	Other, please specify (Tar-Pamlico)

Type of risk & Primary risk driver

Physical	Flooding

Primary potential impact
Reduced revenues from lower sales/output

Company-specific description
Thermo Fisher owns a large manufacturing site in North Carolina that could disrupt sales if it was not able to function or there was a work disruption due to hurricane caused flooding.

Timeframe
1-3 years

Magnitude of potential impact
Medium

Likelihood
About as likely as not

Are you able to provide a potential financial impact figure?
Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
I cannot share a financial figure because this is confidential information.

Primary response to risk
Develop flood emergency plans

Description of response

While the topic above is the primary response because it is the most immediate need in a flooding scenario we would also confirm insurance coverage, ensure the building is compliant with local regulations, and ensure a business continuity plan is available.

Cost of response

12000000

Explanation of cost of response

Developing flood response emergency plans has already happened. As the primary risk it is something that Thermo Fisher plans ahead for.

W4.2c

(W4.2c) Why does your organization not consider itself exposed to water risks in its value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Evaluation in progress	The Company started an engagement effort with the supply chain on the subject of water risk as part of a larger CSR questionnaire via the EcoVadis platform in 2019. The main focus of supply chain engagement has traditionally been conflict minerals avoidance and anti-slavery standards but we are starting to develop a more robust system. We expanded the scope of supply chain members that were invited to report in 2020 leading to greater water visibility in our supply chain. There is a potential for water risk in the supply chain and as the Company develops its supplier engagement program more fully this is a potential area for growth and monitoring.

W4.3

(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes, we have identified opportunities, and some/all are being realized

W4.3a

(W4.3a) Provide details of opportunities currently being realized that could have a substantive financial or strategic impact on your business.

Type of opportunity
Products and services

Primary water-related opportunity
Sales of new products/services

Company-specific description & strategy to realize opportunity
Thermo Fisher Scientific develops, markets and sells water monitoring equipment as well as water purifying equipment. This market is anticipated to remain stable and perhaps grow as concerns around water quality and scarcity lead to more monitoring and regulation around water supplies.

Estimated timeframe for realization
Current - up to 1 year

Magnitude of potential financial impact
Low-medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
1000000000

Potential financial impact figure – maximum (currency)
5000000000

Explanation of financial impact
Our water instrumentation business is part of the Company's laboratory products segment and the estimate above is for that entire segment the Company which accounts for 43% of 2020 annual revenue. The total revenue for this part of the business in 2020 was more than $13 Billion.

Type of opportunity
Efficiency

Primary water-related opportunity
Improved water efficiency in operations

Company-specific description & strategy to realize opportunity
Thermo Fisher has worked to install water purification and reuse capacity at manufacturing sites where they are most useful and feasible. These projects have resulted in lower overall water usage at sites as well as lower energy use/cost due to efficiencies gained. For example one site reduced water usage by over 50% by recycling water back through the steam boiler system which reused water instead of discharging it and using less energy to reheat from a higher initial temperature. The site also conducted a find-and-fix exercise to locate leaks along miles of piping at the site and stop the leaks leading to greater water efficiency.

Estimated timeframe for realization
1 to 3 years

Magnitude of potential financial impact
Low-medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
1000000

Potential financial impact figure – maximum (currency)
2000000

Explanation of financial impact
Annual municipal water cost savings after water reuse and leak fixes.

W5. Facility-level water accounting

W5.1

(W5.1) For each facility referenced in W4.1c, provide coordinates, water accounting data, and a comparison with the previous reporting year.

Facility reference number
Facility 1

Facility name (optional)
Houston, TX

Country/Area & River basin

United States of America	Brazos River

Latitude
29.99166

Longitude
-95.58251

Located in area with water stress
No

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
2.01

Comparison of total withdrawals with previous reporting year
About the same

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
2.01

Total water discharges at this facility (megaliters/year)
2.01

Comparison of total discharges with previous reporting year
About the same

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
0

Total water consumption at this facility (megaliters/year)
2.01

Comparison of total consumption with previous reporting year
About the same

Please explain

Facility reference number
Facility 2

Facility name (optional)
Greenville, NC

Country/Area & River basin

United States of America	Santee River

Latitude
35.598855

Longitude
-77.379097

Located in area with water stress
No

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
851.27

Comparison of total withdrawals with previous reporting year
Higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
851.27

Total water discharges at this facility (megaliters/year)
851.27

Comparison of total discharges with previous reporting year
Higher

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
851.27

Total water consumption at this facility (megaliters/year)
851.27

Comparison of total consumption with previous reporting year
Higher

Please explain
This site increased manufacturing in 2020 due to COVID-19. Expectation is that this site will continue to expand capacity in the coming years.

Facility reference number
Facility 3

Facility name (optional)
Carlsbad

Country/Area & River basin

United States of America	Colorado River (Pacific Ocean)

Latitude
33.14

Longitude
-117.29

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
145.8

Comparison of total withdrawals with previous reporting year
About the same

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
145.8

Total water discharges at this facility (megaliters/year)
145.8

Comparison of total discharges with previous reporting year
About the same

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
145.8

Total water consumption at this facility (megaliters/year)
145.8

Comparison of total consumption with previous reporting year
About the same

Please explain
While some production increased at this site it was offset by the fact that many employees worked from home for most of the year and were not using onsite water.

Facility reference number
Facility 4

Facility name (optional)
Tijuana

Country/Area & River basin

Mexico	Other, please specify (Arroyo Tijuana / Arroyo de Maneadero)

Latitude
32.52

Longitude
-117.02

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
10.55

Comparison of total withdrawals with previous reporting year
Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
10.55

Total water discharges at this facility (megaliters/year)
10.55

Comparison of total discharges with previous reporting year

Lower

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
10.55

Total water consumption at this facility (megaliters/year)
10.55

Comparison of total consumption with previous reporting year
Lower

Please explain
Due to reduced production and employees working from home due to COVID-19

W5.1a

(W5.1a) For the facilities referenced in W5.1, what proportion of water accounting data has been externally verified?

Water withdrawals – total volumes

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water withdrawals – volume by source

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water withdrawals – quality

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water discharges – total volumes

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water discharges – volume by destination

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water discharges – volume by treatment method

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water discharge quality – quality by standard effluent parameters

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water discharge quality – temperature

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water consumption – total volume

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

Water recycled/reused

% verified
Not verified

What standard and methodology was used?
<Not Applicable>

W6. Governance

W6.1

(W6.1) Does your organization have a water policy?

Yes, we have a documented water policy, but it is not publicly available

W6.1a

(W6.1a) Select the options that best describe the scope and content of your water policy.

	Scope	Content	Please explain
Row 1	Company-wide	Description of water-related performance standards for direct operations Commitment to safely managed Water, Sanitation and Hygiene (WASH) in the workplace	Within the Company's EHS-MS policy expectations for water safety and responsible usage are laid out.

W6.2

(W6.2) Is there board level oversight of water-related issues within your organization?

Yes

W6.2a

(W6.2a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for water-related issues.

Position of individual	Please explain
Director on board	The chair of the governance committee reviews CSR strategy which includes environmental sustainability issues, including water scarcity. There are at least two meetings annually to discuss CSR strategy.

W6.2b

(W6.2b) Provide further details on the board's oversight of water-related issues.

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	Overseeing acquisitions and divestiture Overseeing major capital expenditures Reviewing and guiding risk management policies Reviewing and guiding corporate responsibility strategy	The chair of the governance committee reviews CSR strategy which includes environmental sustainability issues, including water scarcity.

W6.3

(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).

Name of the position(s) and/or committee(s)

Chief Risk Officer (CRO)

Responsibility

Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

Water risk is considered material as it relates to drought and floods that may affect facilities and crops. This would only be reported to the board as part of a larger weather risk presentation (which does occur on a regular basis) as noted in our climate change response. There is no regular reporting solely on water risk and this would only be reported on an as-needed basis.

W6.4

(W6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?

	Provide incentives for management of water-related issues	Comment
Row 1	No, not currently but we plan to introduce them in the next two years	The C-suite employees do have goals related to CSR annually and we do expect as our sustainability program evolves that water-related issues will eventually become a part of those annual goals

W6.5

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?

Yes, direct engagement with policy makers

W6.5a

(W6.5a) What processes do you have in place to ensure that all of your direct and indirect activities seeking to influence policy are consistent with your water policy/water commitments?

In India, as a member of the U.S.-India Strategic Partnership Forum, we are educating government stakeholders on the technologies available to analyze air and water pollutants. We have invested in local manufacturing in India to ensure that the solutions are acceptable to the India market and the India government. In this effort, we are partnering with the NITI Aayog; the Ministry of Environment, Forests, and Climate Change; the Central Pollution Control Board, the Ministry of Water Resources & Drinking Water Supply, and the Delhi Jal Board to aid in the development of air and water quality guidelines for pollutants, such as PoPs, heavy metals and antibiotics. This work aligns with our mission, and product lines that are used to test for water quality.

W6.6

(W6.6) Did your organization include information about its response to water-related risks in its most recent mainstream financial report?

No, but we plan to do so in the next two years

W7. Business strategy

W7.1

(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	No, water-related issues not yet reviewed, but there are plans to do so in the next two years	<Not Applicable>	As part of the business strategy risks are revisited and re-evaluated over time. Indicators of water risk are being evaluated within the risk management function.
Strategy for achieving long-term objectives	No, water-related issues not yet reviewed, but there are plans to do so in the next two years	<Not Applicable>	The first step in achieving long-term water risk mitigation objectives is to understand the risk posed to the Company and its assets. Water risk is evaluated by the Company's insurance carrier so that we may have a clear understanding of the risk.
Financial planning	No, water-related issues not yet reviewed, but there are plans to do so in the next two years	<Not Applicable>	Financial planning will follow from understanding the scope of water risk that may affect the company and its assets.

W7.2

(W7.2) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?

Row 1

Water-related CAPEX (+/- % change)

1

Anticipated forward trend for CAPEX (+/- % change)

2

Water-related OPEX (+/- % change)

2

Anticipated forward trend for OPEX (+/- % change)

3.5

Please explain

Water pricing is expected to increase overall, especially in the western United States

W7.3

(W7.3) Does your organization use climate-related scenario analysis to inform its business strategy?

	Use of climate-related scenario analysis	Comment
Row 1	Yes	We do use climate-related scenario analysis for water related risk as a component of climate change risk of which water risk is a part. It is a topic that is consistently re-evaluated and may become more salient to business strategy decisions in the near future.

W7.3a

(W7.3a) Has your organization identified any water-related outcomes from your climate-related scenario analysis?

No

W7.4

(W7.4) Does your company use an internal price on water?

Row 1

Does your company use an internal price on water?

No, and we do not anticipate doing so within the next two years

Please explain

The Company does not currently have plans to use an internal price on water.

W8. Targets

W8.1

(W8.1) Describe your approach to setting and monitoring water-related targets and/or goals.

	Levels for targets and/or goals	Monitoring at corporate level	Approach to setting and monitoring targets and/or goals
Row 1	Site/facility specific targets and/or goals Country level targets and/or goals	None are monitored at corporate level	There are water use reduction measures undertaken at Company locations on an individual site basis as a savings effort or to comply with regional or country level regulations around water use. API levels are also closely monitored at applicable sites for

W9. Verification

W9.1

(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?

No, we do not currently verify any other water information reported in our CDP disclosure

W10. Sign off

W-FI

(W-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

Thermo Fisher is planning to align with the sustainable development goals in the near future to align with our U.N. Global Compact reporting framework and anticipate that we will be looking at water as part of that assessment.

W10.1

(W10.1) Provide details for the person that has signed off (approved) your CDP water response.

	Job title	Corresponding job category
Row 1	Vice President	Risk manager

W10.2

(W10.2) Please indicate whether your organization agrees for CDP to transfer your publicly disclosed data on your impact and risk response strategies to the CEO Water Mandate's Water Action Hub [applies only to W2.1a (response to impacts), W4.2 and W4.2a (response to risks)].

Yes

SW. Supply chain module

SW0.1

(SW0.1) What is your organization's annual revenue for the reporting period?

	Annual revenue
Row 1	32220000000

SW0.2

(SW0.2) Do you have an ISIN for your organization that you are willing to share with CDP?

Yes

SW0.2a

(SW0.2a) Please share your ISIN in the table below.

	ISIN country code	ISIN numeric identifier (including single check digit)
Row 1	US	8835561023

SW1.1

(SW1.1) Could any of your facilities reported in W5.1 have an impact on a requesting CDP supply chain member?

No, CDP supply chain members do not buy goods or services from facilities listed in W5.1

SW1.2

(SW1.2) Are you able to provide geolocation data for your facilities?

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	Yes, for some facilities	We have geolocation for all material manufacturing sites within the company.

SW1.2a

(SW1.2a) Please provide all available geolocation data for your facilities.

Identifier	Latitude	Longitude	Comment
Greenville	35.598855	-77.379097	largest site
Florence	34.264724	-79.700158	
Carlsbad	33.13749	-117.288118	
Brno	50.067277	14.26281	
Frederick	39.369188	-77.410637	
Pleasanton	37.644334	-121.881414	
Grand Island, NY	43.006451	-79.008465	
Cincinnati	39.21	-84.47	
Uppsala	59.84	17.69	
Rochester	43.19	-77.61	
Mississauga	43.61	-79.75	
Middletown	39.02	-78.29	
Kingfisher Drive	51.26	-2.18	
Lenexa Campus	38.97	-94.73	
High Point	35.96	-80.01	
Meridian Road	42.31	-89.17	
Paisley	55.85	-4.42	
Asheville	35.6	-82.55	
Hornby	53.76	-2.68	
Hillsboro	45.52	-122.99	
Marietta	39.44	-81.44	

SW2.1

(SW2.1) Please propose any mutually beneficial water-related projects you could collaborate on with specific CDP supply chain members.

Requesting member
Johnson & Johnson

Category of project
Change to provision of goods and services

Type of project
Reduced water-related impacts

Motivation
Improve water quality and reduce water dependency

Estimated timeframe for achieving project
2 to 3 years

Details of project
Evaluate purchasing to find lower water intensity product alternatives. Evaluate if any of Thermo Fisher's water quality tools would be of use in the customer's water efforts.

Projected outcome
Decreased water usage, increased water quality.

SW2.2

(SW2.2) Have any water projects been implemented due to CDP supply chain member engagement?

No

SW3.1

(SW3.1) Provide any available water intensity values for your organization's products or services.

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission	Are you ready to submit the additional Supply Chain questions?
I am submitting my response	Investors Customers	Public	Yes, I will submit the Supply Chain questions now

Please confirm below

I have read and accept the applicable Terms