

Module: Introduction

Page: Introduction

0.1

Introduction

Please give a general description and introduction to your organization.

Aspen Holdings Limited, listed on the Johannesburg Stock Exchange, is one of the largest pharmaceutical manufacturers in the Southern Hemisphere and one of the top 20 generic manufacturers worldwide. Aspen is a supplier of branded and generic pharmaceuticals in approximately 100 countries across the globe and of consumer and nutritional products in selected territories. Sustainability is engrained in Aspen's culture.

Aspen has a proud heritage dating back more than 160 years. The Group is committed to sustaining life and promoting healthcare through increasing access to its high quality, effective, affordable medicines and products. Aspen continues to increase the number of lives benefiting from its products, reaching more than 100 countries across the world. The extensive basket of Aspen products provides treatment for a broad spectrum of acute and chronic conditions experienced throughout all stages of life.

0.2

Reporting Year

Please state the start and end date of the year for which you are reporting data.

Enter the period that will be disclosed.

Fri 01 Jul 2011 - Sat 30 Jun 2012

0.3

Reporting Boundary

Please indicate the category that describes the reporting boundary for companies, entities, or groups for which water-related impacts are reported.

Companies, entities or groups over which financial control is exercised

0.4

Exclusions

Are there any geographies, facilities or types of water inputs/outputs within this boundary which are not included in your disclosure?

Yes

0.4a

List of Exclusions

Please describe any exclusion(s) in the following table.

Exclusion	Please explain why you have made the exclusion
Operations in Brazil, Mexico, Australia, Kenya and Tanzania facilities	No data available for the reporting year

Further Information

None

Module: Water-Governance

Page: Water-1-ManagementGovernance

1.1

Does your company have a water policy, strategy or management plan?

Yes

1.1a

Please describe your policy, strategy or plan, including the highest level of responsibility for it within your company and its geographical reach.

Country or region	Description of policy, strategy or plan	Position of responsible person
South Africa	Water is a critical resource in the pharmaceutical production process. Aspen's commitment to water conservation/management is formalised in the Aspen Pharmacare Environmental Management Principles Policy, which was published and implemented across the Group in 2011. The policy defines the minimum environmental standards that all facilities are required to meet, and promotes the efficient use and conscious conservation. The policy ensures continuous improvement objectives and targets are established with respect to water conservation projects. Water conservation projects that were undertaken during the July 2011 to June 2012 financial year included: •The reuse of rejected water from the reverse osmosis plant in ablutions and cooling towers • The re-circulation of the water from the homogenizer pistons, evaporator pump, and evaporator condensate to the GES (general energy systems), back to the boiler plant for reuse in cooling. •Awareness training of all employees on effective water conservation • Periodic measuring of the quality of Aspen's wastewater or effluent to ensure maintenance of legal compliance to municipal standards. Water consumption and conservation statistics have been identified as key performance indicators (KPI's) and are reported to the Aspen board on a quarterly basis as part of the Group's Sustainability report.	Sub-set of the board
Germany	Water is a critical resource in the pharmaceutical production process. Aspen's commitment to water conservation/management is formalised in the Aspen Pharmacare Environmental Management Principles Policy, which was published and implemented across the Group in 2011. The policy defines the minimum environmental standards that all facilities are required to meet, and promotes the efficient use and conscious conservation of all resources, including water. Water consumption and conservation statistics have been identified as key performance indicators (KPI's) and are reported to the Aspen board on a quarterly basis as part of the Group's Sustainability report.	Sub-set of the board

1.1b

Does the water policy, strategy or plan specify water-related targets or goals?

Yes

1.1c

Please describe these water-related targets or goals and the progress your company has made against them.

Country or region	Category of target or goal type	Description of target or goal	Progress against target or goal
South Africa	Direct operations	1. Resource Conservation: A target of a 5% reduction of water consumption was set for all the facilities in South African Operations for the period July 2011 to June 2012. Resource conservation projects were identified which included water recycling and conservation initiatives. 2. Waste water/effluent quality: Comprehensive water monitoring processes are in place and effluent sampling is conducted monthly. Results are analysed to ensure compliance with the national and local legal requirements	The targets were achieved for 6 out of the 7 sites.

1.1d

You may explain here why your company does not have a water policy, strategy or plan and if you intend to put one in place.

1.2

Do you wish to report any actions outside your water policy, strategy or management plan that your company has taken to manage water resources or engage stakeholders in water-related issues?

Country or region	Category of action	Description of action and outcome
South Africa	Community engagement	Aspen Port Elizabeth is located on the periphery of the recreational North End Lake, and is a member of the North End Lake Catchment Management Plan. This working group consists of community members, surrounding industries, interested and affected parties. The aim of the committee is 1) to achieve a healthy and aesthetically acceptable water quality that maximizes the resource value of the North End Lake for the benefit of all inhabitants in the city of Port Elizabeth 2) to develop an integrated strategy that would maximize the environmental, economic and social worth of the Lake to benefit present and future generations.

Further Information

No further information.

Module: Water-RisksOpps

Page: Water-2-indicators-op

2.1

Are any of your operations located in water-stressed regions?

Yes

2.1a

Please specify the method(s) you use to characterize water-stressed regions (you may choose more than one method).

Method used to define water stress	Please add any comments here:
Internal company knowledge	The WBCSD Tool was used to estimate the percentage of Aspen's operations

Method used to define water stress	Please add any comments here:
WBCSD Water Tool Other: South African Departmental of Water Affairs	located in water-stressed region.

2.1b

Please list the water-stressed regions where you have operations and the proportion of your total operations in that area.

Country or region	River basin	Proportion of operations located in this region (%)	Further comments
South Africa	Other: Swartkops, Keiskamma, Limpopo, Great Berg	51 – 60	Aspen has 8 manufacturing sites which are located in Port Elizabeth, East London, Johannesburg and Cape Town. Watershed Metrics Data was calculated from the WBCSD Water Tool. The primary water consumption at these sites is for production. River Basin data was obtained from the South African Department of Water Affairs.
Germany	Other: Schlei/Trave	1 – 10	Watershed Metrics Data was calculated from the WBCSD Water Tool. The primary water consumption at these sites is for production. River Basin data was obtained internal company knowledge.

2.1a

Please specify the method(s) you use to characterize water-stressed regions.

Method used to define water stress	Please add any comments here:

2.1c

You may explain here why you are not able to identify which of your operations are located in regions subject to water stress and whether you have plans to investigate this in the future.

2.2

Are there other indicators (besides water stress) which you wish to report that help you to identify which of your operations are located in regions subject to water-related risk?

Yes

2.2

Are there other indicators (besides water stress) which you wish to report that help you to identify which of your operations are located in regions subject to water-related risk?

2.2

Are there other indicators (besides water stress) which you wish to report which help you to identify which of your operations are located in regions subject to water-related risk?

2.2a

Please list the regions at risk where you have operations, the relevant risk indicator and proportion of your total operations in that area.

Country or region	River basin	Risk Indicator	Proportion of operations located in this region (%)	Further comments
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Country or region	River basin	Risk Indicator	Proportion of operations located in this region (%)	Further comments
South Africa	Other: Swartkops, Keiskamma, Limpopo, Great Berg	Tightening of regulations	51-60	There is increased concern with respect to water availability, quality and water security in South Africa. According to the Development Bank of South Africa working paper "Water Security in South Africa", manufacturing and mining industries have significant impacts on water quality therefore a firm regulatory approach is vital for protecting the interests of other water resource users.

2.2a

Please list the regions at risk where you have operations, the relevant risk indicator and proportion of your total operations in that area.

Country or region	River basin	Risk Indicator	Proportion of operations located in this region (%)	Further comments
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2.2a

Please list the regions at risk where you have operations, the relevant risk indicator and proportion of your total operations in that area.

Country or region	River basin	Risk Indicator	Proportion of operations located in this region (%)	Further comments
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2.2b

You may explain here why you do not wish to report or why you do not use other indicators to identify which of your operations are located in regions subject to water-related risk.

2.2b

You may explain here why you do not use or wish to report other indicators to identify which of your operations are located in regions subject to water-related risk.

2.2b

You may explain here why you do not use or wish to report other indicators to identify which of your operations are located in regions subject to water-related risk.

2.3

Please specify the total proportion of your operations that are located in the regions at risk which you identified in questions 2.1 and/or 2.2.

56%

2.3

Please specify the total proportion of your operations that are located in the regions at risk which you identified in questions 2.1 and/or 2.2.

2.3

Please specify the total proportion of your operations that are located in the regions at risk which you identified in questions 2.1 and /or 2.2.

2.4

Please specify the basis you use to calculate the proportions used for questions 2.1 and/or 2.2.

Basis used to determine proportions	Please add any comments here
Revenue	Aspen has 16 manufacturing sites worldwide – 8 of which are located in South Africa.

2.4

Please specify the basis you use to calculate the proportions used for questions 2.1 and/or 2.2.

Basis used to determine proportions	Please add any comments here
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2.4

Please specify the basis you use to calculate the proportions used for questions 2.1 and/or 2.2

Basis used to determine proportions	Please add any comments here
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Further Information

No further information.

2.5

Do any of your key inputs or raw materials (excluding water) come from regions subject to water-related risk?

Don't know

2.5a

Please state or estimate the proportion of your key inputs or raw materials that come from regions subject to water-related risk.

Country or region	River basin	Input or material	Proportion of key input or raw material that comes from region at risk (%)	Unit used for calculating percentage	Further comments
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2.5b

You may explain here why you are not able to identify if any of your key inputs or raw materials come from regions subject to water-related risk and whether you have plans to explore this issue in the future.

Not yet evaluated for all our supply chain. Will consider doing this evaluation in the near future.

Further Information

No further information.

Page: water-3-riskassess-op

3.1

Is your company exposed to water-related risks (current or future) that have the potential to generate a substantive change in your business operation, revenue or expenditure?

Yes

3.1a

Please describe (i) the current and/or future risks to your operations, (ii) the ways in which these risks affect or could affect your operations before taking action, (iii) the estimated timescale of these risks, and (iv) your current or proposed strategies for managing them.

Country or region	River basin	Risk type	Potential business impact	Estimated timescale (years)	Risk management strategies
South Africa	Other: Swartkops, Keiskamma, Limpopo, Great Berg	03. Physical: Increased water stress or scarcity	The South African Operations are situated in areas which experience intermittent water stress. Increased water stress has the potential to disrupt operations.	Unknown	1)Water conservation initiatives to be implemented across the sites. 2)Culture of water conservation to be entrenched.
Germany	Other: Schlei/Trove	02. Physical: Flooding	The Aspen Bad Oldesloe facility in Germany could be impacted by flooding and heavy storms. Adverse weather conditions could potentially disrupt operations and cause destruction to property. Aspen Pharmacare acknowledges this potential risk, however, there is no indication that this water related risk will increase in the near future.	Unknown	

3.1b

Please explain why you do not consider your company to be exposed to any water-related risks that have the potential to generate a substantive change in your business operation, revenue or expenditure.

3.1c

Please explain why you do not know if your company is exposed to any water-related risks that have the potential to generate a substantive change in your business operation, revenue or expenditure, and if you have plans to assess this risk in the future.

3.2

What methodology and what geographical scale (e.g. country, region, watershed, business unit, facility) do you use to analyze water-related risk across your operations?

Risk methodology	Country or geographical scale
Water related risk is integrated into the multi-disciplinary company-wide risk management process. This system is based on the risk management requirements of King 3 on corporate governance. The Board is ultimately responsible for governance of risk at Aspen Pharmacare. The Group's risk management philosophy aims to support, inter alia, regulatory compliance, legislative compliance, and specific customer requirements, over and above product responsibility as regulated by pharmaceutical governing authorities. The Social and Ethics Committee is a sub-committee of the board of Aspen Pharmacare Holdings. The committee is responsible for monitoring the Group's activities with regard to the environment, health and public safety, including the impact of the Group's activities, products and services. SHE management systems and procedures are also utilized to identify SHE related risks, including resources such as water and energy.	Business unit

Further Information

No further information.

Page: water-riskassess-sc

3.3

Do you require your key suppliers to report on their water use, risks and management?

No

3.4

Is your supply chain exposed to water-related risks (current or future) that have the potential to generate a substantive change in your business operation, revenue or expenditure?

Don't know

3.4a

Please describe (i) the current and/or future risks to your supply chain, (ii) the ways in which these risks affect or could affect your operations before taking action, (iii) the estimated timescale of these risks and, (iv) your current or proposed strategies for managing them.

Country or region	River basin	Risk type (to supplier)	Potential business impact (to responding company)	Estimate timescale (years)	Risk management strategies (by responding company)

3.4b

Please explain why you do not consider your supply chain to be exposed to any water-related risks that have the potential to generate a substantive change in your business operation, revenue or expenditure.

3.4c

Please explain why you do not know if your supply chain is exposed to any water-related risks that have the potential to generate a substantive change in your business operation, revenue or expenditure, and if you have plans to assess this risk in the future.

This has not been assessed to date. There has not been an impact on the business to date.

Further Information

No further information.

Page: Water-4-Impacts

4.1

Has your business experienced any detrimental impacts related to water in the past five years?

Yes

4.1a

Please describe these detrimental impacts including (i) their financial impacts and (ii) whether they have resulted in any changes to company practices.

Country	Impact indicator	Description of impact	Response strategy
South Africa	Water Stress	Water restrictions were implemented in the Port Elizabeth region in October 2009, and were further tightened in February 2010. Due to a drought experienced in the region, the Kouga, Churchill, Impofu, Loerie and Groendal, dam levels were very low. These dams supply the Port Elizabeth, Uitenhage and Dispatch areas. The financial impact was minimal as no major production disruptions were experienced. The drought highlighted the need for more conscious water consumption and water recycling projects were implemented at the South African sites.	Introduce sound water management efforts and encourage water conservation projects in all facilities and all employees.

4.1b

Please explain why you do not know whether your business has experienced any detrimental impacts related to water in the past five years and if you have any plans to explore this in the future?

Further Information

No further information.

Page: Water-5-Opportunities

5.1

Do water-related issues present opportunities (current or future) that have the potential to generate a substantive change in your business operation, revenue or expenditure?

Yes

5.1a

Please describe (i) the current and/or future opportunities, (ii) the ways in which these opportunities affect or could affect your operations (iii) the estimated timescale and (iv) your current or proposed strategies for exploiting them.

Country or region	Opportunity type	Potential business impact	Estimated timescale	Strategy to exploit opportunity
South Africa	Cost savings	There are future plans to use evaporative cooling towers when selecting future HVAC equipment – due to the high efficiency of the units.	1 – 5	Not yet established.

5.1b

Please explain why you do not consider water-related issues to present opportunities to your company that have the potential to generate a substantive change in your business operation, revenue or expenditure or supply chain.

5.1c

Please explain why you do not know whether water-related issues present opportunities to your company that have the potential to generate a substantive change in your business operation, revenue or expenditure.

Further Information

No further information.

Page: Water-6-tradeoffs

6.1

Has your company identified any linkages or trade-offs between water and carbon emissions in its operations or supply chain?

No

6.1a

Please describe the linkages or trade-offs and the related management policy or action.

Linkage or trade-off	Policy or action
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Further Information

No further information

Module: Water-Accounting**Page: Water-7-Withdrawals**

7.1

Are you able to provide data, whether measured or estimated, on water withdrawals within your operations?

Yes

7.1a

Please report the water withdrawals within your operations for the reporting year.

Country or region	River basin	Withdrawal type	Quantity (megaliters/year)	Proportion of data that has been verified (%)	Comments
South Africa	Other: Swartkops, Keiskamma, Limpopo, Great Berg	Municipal water	382.23	51-75	South Africa represents 4 sites situated in Port Elizabeth, East London, Johannesburg and Port Elizabeth. Numbers were verified internally.
Germany	Other: Scxhleil/Trave	Municipal water	34.90	76-100	Numbers were verified internally.

7.1b

Please explain why you are not able to provide data for water withdrawals.

7.2

Are you able to provide data, whether measured or estimated, on water recycling/reuse within your operations?

Yes

7.2

Are you able to provide data, whether measured or estimated, on water recycling/reuse within your operations?

7.2a

Please report the water recycling/reuse within your operations for the reporting year.

Country or region	River basin	Quantity (megaliters/year)	Proportion of data that has been verified (%)	Comments
South Africa	Other: Swartkops, Keiskamma, Limpopo, Great Berg	23.07	51-75	Water recycling initiatives were implemented at the sites located in Port Elizabeth, East London and Johannesburg.

7.2a

Please report the water recycling/reuse within your operations for the reporting year.

Country or region	River basin	Quantity (megaliters/year)	Proportion of data that has been verified (%)	Comments
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7.2b

Please explain why you are not able to provide data for water recycling/reuse within your operations.

7.2b

Please explain why you are not able to provide data for water recycling/reuse within your operations.

7.3

Please use this space to describe the methodologies used for questions 7.1 and 7.2 or to report withdrawals or recycling/reuse in a different format to that set out above.

The reported consumption is based on the municipal invoices and internal water meters. The quantity of water recycled is calculated using the year on year consumption variances.

7.3

Please use this space to describe the methodologies used for questions 7.1 and 7.2 or to report withdrawals or recycling/reuse in a different format to that set out above.

7.4

Are any water sources significantly affected by your company's withdrawal of water?

Don't know

7.4a

Please list any water sources significantly affected by your company's withdrawal of water.

Country or geographical reach	River basin	Water source	Impact	Company action and outcomes
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7.4b

You may explain here why your company's withdrawal of water does not significantly affect any water sources.

7.4c

Please explain why you do not know if any water sources are significantly affected by your company's withdrawal of water.

All water is obtained from the Municipal water supply, and it is not possible to assess the impact of Aspen's withdrawal of water on the water sources.

Further Information

No further information.

Page: Water-8-Discharges

8.1

Are you able to identify discharges of water from your operations by destination, by treatment method and by quantity and quality using standard effluent parameters?

Yes

8.1a

Please explain why you are not able to identify discharges from your operations by destination, treatment method , quantity and quality, and whether you have any plans to put in place systems that would enable you to do so.

8.2

Did your company pay any penalties or fines for significant breaches of discharge agreements or regulations in the reporting period?

Yes

8.2a

Please describe the location and impact of the discharge that was the subject of the significant breach(es), the associated fines and any actions taken to minimise the risk of future non-compliance.

Country or region	River basin	Impact	Fines and penalties	Company action and outcomes
South Africa	Limpopo	The Aspen Nutritionals Site incurred a financial penalty from the local municipality .	A fine of R114 933 was received for contravention of acceptable municipal standards with respect to effluent in October 2011.	The water treatment plant is being upgraded to increase the efficiency of the existing system and to enhance performance of the plant.

8.3

Are any water bodies and related habitats significantly affected by discharges of water or runoff from your operations?

No

8.3a

Please list any water bodies and associated habitats which are significantly affected by discharge of water or runoff from your operations.

Country or region	River basin	Water body	Impact	Company action and outcomes
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8.3b

You may explain here why your company's discharge of water does not significantly affect any water bodies or associated habitats.

All Aspen's wastewater discharges are closely monitored to ensure compliance to internal and municipal standards. The discharges from our sites do not have a detrimental impact to the receiving environment.

8.3c

Please explain why you do not know if any water bodies and associated habitats are significantly affected by discharge of water or runoff from your operations.

Further Information

No further information.

Page: Water-9-Intensity

9.1

Please provide any available financial intensity values for your company's water use across its operations.

Country or region	River basin	Financial metric	Water use type (megaliters)	Currency	Financial intensity (Currency/mega-liter)	Please provide any contextual details that you consider relevant to understand the units or figures you have provided.
Company-wide	Other: Swartkops, Limpopo, Keiskamma, Great Berg, Schlei/Trave	Revenue	Water use in operations	ZAR (R)	17719310	Total Rand (ZAR) Revenue (South African Operations and Germany) R6 772 922 795 divided by total water usage 382.23 megalitres

9.2

Please provide any available water intensity values for your company's products or services across its operations.

Country or region	River basin	Product	Product unit	Water unit	Water intensity (Water unit/product unit)	Water use type	Please provide any contextual details that you consider relevant to understand the units or figures you have provided.
Company-wide	Other: This data is currently not available due to the variety of products produced and the complexity of collating the data thereof.						

Further Information

Company-wide in this questionnaire refers to the facilities being reported for i.e. South African and Germany operations.

Module: Sign Off

Page: Sign Off

Please enter the name of the individual that has signed off (approved) the response and their job title

Dr Morne Geyser
Head of South African Operations

CDP