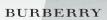
**Annual** Report 2015

Ø ZDHC

The Zero Discharge of **Hazardous Chemicals Programme** 

# Leaders in **Environmental** Responsibility





































































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The Zero Discharge
Hazardous Chemicals
Programme 2015
Impact Report

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# **Executive Director's Letter**

In the past, there have been efforts to remove hazardous chemicals from the global textile and footwear value-chain, however until now, these efforts have been fragmented.

The difficulty in solving this issue is that the value-chain is large, complex and interlinked. No one brand or supplier can change it alone.

\*The ZDHC Board of Directors

and today, that number has grown to 21 brands and seven associates.

This year, the ZDHC Programme made significant strides setting the stage for future evolution and growth.

The ZDHC Programme transitioned to a separate legal entity, the ZDHC Foundation.

Along with the appointment of myself as

Executive Director, and a small dedicated team spread across Europe and the United States, the ZDHC Headquarters was established in Amsterdam.

The ZDHC Foundation's first <u>Board</u> of <u>Directors</u> were elected, and the <u>Joint Roadmap Update</u> for the programme was published, refining the scope of the programme to four key focus areas, and two cross-cutting areas.

Industry collaboration is essential in driving new standards forward.

The ZDHC Programme was born from an awareness that holistic systems-change is required, and that to be successful all participants within the value-chain must be involved.

In 2011, six brands joined forces as the ZDHC Group to collaborate on this issue,

Wastewater quality was added to the scope of the Programme, and the first step towards publishing Wastewater Guidelines was achieved with the release of the <u>Textile Industry Wastewater Discharge Quality</u>
Standards Guidelines Literature Review.

Two additional major highlights include the second update to the Programme's <u>Manufacturing Restricted Substances List</u>

\*Board of Directors Left to Right: Charles Dickinson, Primark, Scott Vitters, Nike, Graham Storrie, Esprit, Stefan Seidel, Puma, Monica Gorman, New Balance Athletic Shoe, Frouke Bruinsma, G-Star Raw, Nathaniel Sponsler, Gap, Joyce Tsoi, H&M and Philipp Meister, Adidas Group.

Version 1.1, which was expanded to include leather, and the release of the Chemical Management System Guidance Manual, a pragmatic process for managing hazardous chemicals.

Now in its fourth year, the ZDHC Programme has firmly shifted its focus from the development of tools and standards towards implementation, and I am excited to be leading this ambitious collaboration forward.

Collaboration underpins the work
of the Programme, and we are grateful
to our contributors who have each been
involved in creating and implementing the

work achieved so far.

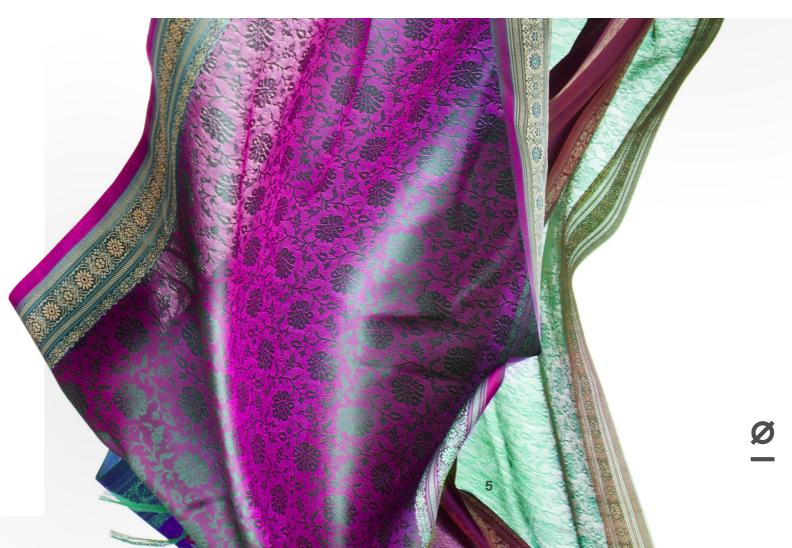
Together, we are working to create and harmonise standards to ensure safer chemicals management, and the protection of workers, consumers and the environment.

As we continue to learn and make new discoveries, we welcome new organisa-

tions to join us in our mission, focussed on working towards a safer, more sustainable world.

Frank Michel,

Executive Director



# The ZDHC Programme and Objectives



In 2015, The ZDHC Programme released its <u>Joint</u>

<u>Roadmap Update</u>, which built on The ZDHC Programme's successes to date and mapped the path forward for the next five years.

The roadmap is a clear and strategic effort to focus

Programme efforts and

resources, and outlines the transition of the Programme from seven workstreams to four focus areas and two cross-cutting areas.

These areas were identified to optimise impact and complement the work of other industry associations and non-governmental organisations.

## How we work

The operational plans for each area cover three types of work. These are detailed below.

These three categories are key for effecting industry change – not only for creating aligned guidance and tools, but for aligning on how we effectively implement on the ground.

Engaging a network of stakeholders also is important in mutually supporting and amplifying this change throughout the industry value chain.

#### 1. Standard Setting Guidance

Creating and maintaining ZDHC MRSL, Research, Audit Protocol, Wastewater Quality, Training and Data and Disclosure guidance to achieve acceptance and use of ZDHC tools and processes as the industry standard.

#### 2. Collaborative Implementation

Creating action plans to ensure implementation, adoption and widespread industry acceptance of ZDHC guidance and processes.

#### 3. Engagement

Identifying who and how we engage with key stakeholders to maintain the credibility of ZDHC guidance and ensure adoption, implementation and widespread use of this guidance.

# The ZDHC Programme



# Manufacturing Restricted Substances List (MRSL) and Conformity Guidance

This focus area includes two primary tracks of work; updates to the MRSL and effective engagement to promote adherence to MRSL chemical use restrictions.



#### **Audit Protocol**

This focus area works towards harmonising the audit tool with the Sustainable Apparel Coalition (SAC) and the Outdoor Industry Association (OIA), finalising the audit conformance process and engaging industry groups to promote adoption of the audit tools.



#### Research

This focus area serves to identify high priority chemicals that present a possible hazard and should be managed, or have no or few replacements.

The ZDHC Research List sends a signal that alternatives are needed and drives action towards finding solutions.



## **Wastewater Quality**

This focus area is aimed at minimising chemical pollutants discharged into the environment through good process controls and effective chemical management by developing Wastewater Quality Guidance.



#### **Data & Disclosure**

This cross-cutting area ensures
that to be effective, we work
with other organisations to
develop standardised chemistry management data in each
of our focus areas.



## **Training**

This cross-cutting area supports understanding, acceptance and use of ZDHC tools across the value-chain. This includes web-based and in-person training and incorporating country and regional training needs.

2015

#### **JANUARY**

In January, ZDHC registered as a legal entity under Dutch Law and the ZDHC Foundation was established.

## **JULY**

In July, the ZDHC Board of Directors was elected.



### **AUGUST**



In August, ZDHC's first Executive Director and a dedicated team spread between The Netherlands and the United States of America was appointed.

### **SEPTEMBER**

In September, an update to ZDHC's Manufacturing Restricted Subtances List (MRSL) was released.



#### **DECEMBER**

In December, the Textile Industry
Wastewater Discharge Quality Standards Literature Review, a comprehensive review of wastewater discharge guidance in the current textile
industry, was released.



In 2015, the ZDHC contributor base grew from 18 to 21 brands, and seven associates.

#### **JULY**



In July, the Chemical Management System (CMS) Guidance was released.

## **AUGUST**



In August, ZDHC released the Joint Roadmap Update, transitioning the programme from seven workstreams into four focus areas and two cross-cutting areas.

## **AUGUST**

In August, the ZDHC
Foundation Headquarters
based in Amsterdam,
was established.



## **NOVEMBER**

In November, ZDHC's stakeholder meeting was held with more then 100 participants from across government, the non-profit sector, academia, chemical manufacturers, material suppliers, and leading brands, working together to ask critical questions to pave the way forward.



9

2015

Overview

of Achievements

"In the past, we were working in silos within our brands; this is

our effort to come together and work more effectively towards

the elimination of hazardous chemicals. The ZDHC Programme

is about collaborative implementation - speaking to the value-

Sustainable Chemistry and Policy, Gap Inc. and ZDHC Board

8

Chairman

chain with one common voice." Nathaniel Sponsler, – Sr. Manager



**Green Textile Symposium |** 

January - Guangzhou, (Nike, Inc)

China and Asia Textile Forum |

February - Beijing (adidas Group and H&M)

Interfiliere Hong Kong 2015 Innovation and Sustainability Conference | March -

Hong Kong (H&M)

**Sustainable Fashion Business** 

Consortium | May - Hong Kong (H&M)

China Leather Brand Conference Bejing | June - (Nike)

Roundtable meeting between China

Synthetic Leather companies and ZDHC

Brands | August - (C&A, Nike)

**BLC Event |** September - Hong Kong (adidas Group)

Bangladesh Second Stakeholder Engagement Workshop | October - Bangladesh (H&M)

ITMA 2015 Milan and the 2nd Textile

Colourant and Chemical Leaders Forum

Programme | November - Milan (Benetton
Group)

**ZDHC Annual Stakeholder Meeting** 

November - Levi Strauss & Co. Headquarters in San Francisco

BLC Leather Working Group Scott Launch
of MRSL v.1.1 | December - London (Scott,
Echols, ZDHC Technical Director)

Sustainable Manufacturing Business Consortium | December - Beijing (Frank Michel, ZDHC Executive Director)



"We joined ZDHC because we knew one brand cannot solve this issue alone.

It's exciting brands and chemical companies are coming together with NGOs to solve this issue and really make a difference. The power of the collaboration of ZDHC has proven itself over the past few years, and it's now gaining momentum."

- Charles Dickinson, ZDHC Board Treasurer and Primark's Environmental Sustainability Controller

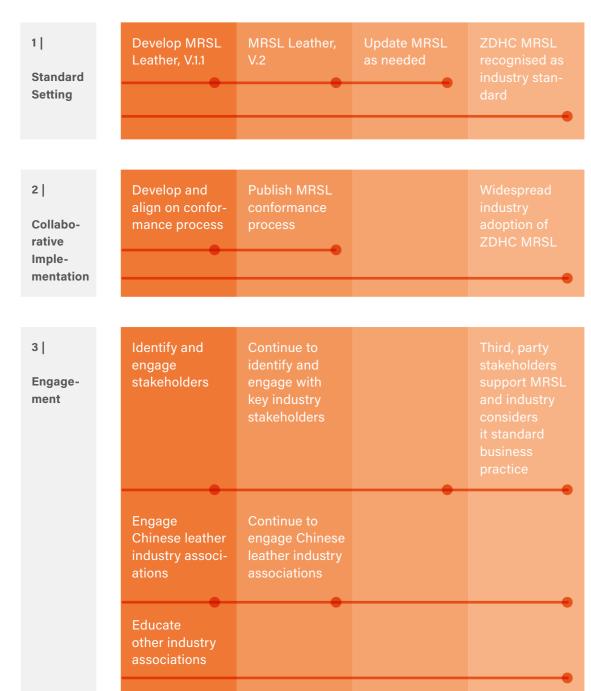
# **Focus Area Update: MRSL and Conformity Guidance**





#### **MRSL** and Conformity Guidance

There are two primary tracks of work related to this focus area, specifically updates to the ZDHC Manufacturing Restricted Substances List (MRSL) and the effective engagement for adherence to ZDHC MRSL chemical use restrictions.



"The ZDHC MRSL creates one harmonised direction for the global supply chain." Phillip Meister – Manager Sustainable Materials and Innovation at adidas Group and ZDHC Board Member



## Overview

In the ZDHC <u>Joint Roadmap Update</u>, ZDHC Signatory Brands committed to defining and developing an MRSL for the textile and footwear industry.

In doing so, ZDHC brands recognised the value of addressing hazardous substances potentially used and discharged into the environment during manufacturing and related processes deep within the value-chain - not just those present in finished products.

In 2014, the Programme released its first MRSL and, in December 2015, this was expanded to include leather.

## The ZDHC MRSL

The MRSL is a list of chemical substances banned from intentional use in facilities that process textile materials and trim parts in apparel and footwear.

It establishes acceptable concentration limits for these substances as impurities or by-products in chemical formulations used within manufacturing facilities.

Limits defined by the MRSL are designed to eliminate the possibility of intentional use of listed substances.

It is the Programme's vision to have the ZDHC MRSL and conformity process guidance serve as the global textile and apparel industry standard.

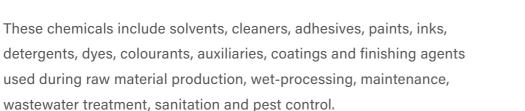
In 2015, the Programme published Version 1.1 of the ZDHC MRSL, which expanded the original list created in 2014 to include leather.

> The MRSL Version 1.1 was developed by ZDHC textile and footwear brands in close collaboration with third-party technical experts and global industry associations.

The MRSL Version 1.1 includes chemicals used in facilities that process materials and trim parts for use in textile and footwear.







The MRSL will assist brands and organisations throughout value-chains and the broader industry in phasing out/substituting hazardous substances potentially used and discharged into the environment during manufacturing and related processes.



"The ZDHC MRSL offers brands and suppliers a harmonised approach, and list of restricted chemicals, that are not to be used in textile and footwear production. ZDHC brands will be communicating the ZDHC MRSL Version 1.1 standard to their supply chains. This is of particular interest to wet processing facilities such as dyehouses, laundries, and tanneries who can then request chemical formulations that comply with the ZDHC MRSL Version 1.1 standard from their chemical suppliers." - Scott Echols, ZDHC Technical



# **Next Steps**

- The MRSL Conformance process will be finalised and published in 2016. It will describe how the value-chain can assess claims of conformance with the MRSL by chemical suppliers.
- ZDHC brands will continue implementing the ZDHC MRSL in their value-chains.
- The annual review of the MRSL will be conducted. A transparent process will be used to update the MRSL as needed to cover additional materials and chemical substances.
- ZDHC will explore ways to scale adoption of the MRSL outside of ZDHC brands.

# **Focus Area Update: Research**



2015	2016-17	2018-19	2020
•	•		

Standard Setting

1

Definition of a process for finding safer alternatives for substances on the Research List	Revision and improvement to find safer alternatives and ways of engaging with stakeholders	Standardised process for continuous research and evaluation of safer alternatives
	Revision of Research List and definition of process for adding new chemicals	Defined and assessed process for adding and removing substances to/ from the Re- search List

2 |

Collaborative Implementation Define research process and research, collecstart pilot tion and evaluproject with one prioritised substance process and kick-off further other substances or functional uses on the current Research List Apply process ing chemicals List considering the MRSL work and prioritiza3 | Engagement

Engage chemical engagement industry, research institutes, that are specialised in governments and other stakeholders

and other

## **Overview**

In conjunction with key collaborators from the chemical industry, academic researchers and governmental agencies, this focus area encourages research into the development of safer alternatives and conducts research on priority chemicals.

It seeks to encourage research into the development of safer alternatives for substances on the ZDHC Research List so brands and their value-chains can make informed decisions, and conduct research on priority chemicals for which safer alternatives do not currently exist.



A process to identify safer alternatives listed on the ZDHC Research List was defined.

The first substance on the Research List was prioritised for substitution. This chemical, Dimethylformamide (DMF), is the Programme's first research request for alternatives.

The ZDHC Research Team engaged with ZDHC brands and the ZDHC Technical Advisory Committee on technical details of the chosen chemical, DMF.

Additionally, a chemical hazard assessment method was defined to ensure comparable results. All alternatives submitted will be assessed according to this method, and based on this, ZDHC brands will be able to make informed decisions on chemical substitution.

# **Next Steps**

In 2016, the final research process will be published. All interested stakeholders are welcome to submit alternatives.

After the test period on Dimethylformamide (DMF) is finalised, the ZDHC Research Focus Area Team will conduct a review of the process and revise and/or create supporting tools if needed.

Once adjustments have been finished, the ZDHC Research Focus Area Team will initiate research actions for other substances or functional use cases on the current Research List.

In collaboration with the MRSL Focus Area, the ZDHC Research Focus Area Team will further define a process for adding new substances to the Research List.

The long-term vision is that substances on the Research List move from the Research List to the to MRSL in order for the ZDHC Programme to phase out these substances.



# **Focus Area Update: Audit Protocol**





1 | Standard Setting

	Update Audit Tool	Update Audit Tool as needed	ZDHC audit is a recognised
Work with SAC to converge assessment tool framework		Establish industry audit standard as ANSI/OECD	industry standard
Publish Chemical Management System (CMS) Guidance Manual	Update CMS Guidance Manual as needed	Update CMS Guidance Manual as needed	Update CMS Guidance Manual as needed
			•

2 | Collaborative Imple-

mentation

ZDHC approval of updated Audit Tool	ZDHC approval of update Audit Tool, as needed		
ZDHC approval of training and implementation plan	ZDHC approval of training and implementation with key stakeholders for updat- ed Audit Tool	ZDHC approval of trai- ning and implementa- tion plan such as ANSI/ OECD standard	
Internal maintenance of audit spreadsheets			
ZDHC approval of data schema for audits			
Develop and align on audit conformance process	Finalise audit conformance alignment		
ZDHC brand utilisation of Audit Protocol	ZDHC, SAC, OIA utilisation of Audit Protocol		Widespread industry adoption of audit to all tiers of value-chain

3 | Engagement

Work with industry groups (OEKO-TEX, Bluesign etc) to align approach and audit framework		
Non-disclosure Agree- ment and Memorandum of Understanding rollout with key stakeholders.		Vere stalled and leave a disc
Identify and engage 2-3 key stakeholders for audit	Key stakeholder endorsement/ pub- lic announcement	Key stakeholders advo- cate for use of the audit tool within the textile and footware value-chain.

# Overview

The ZDHC Audit Protocol focus area tools include the ZDHC Audit Tool, which is supported by the ZDHC Chemical Management System (CMS) Guidance Manual.

The Audit Tool enables in-depth assessment of chemical management practices by suppliers. Suppliers are encouraged to continuously improve against the principles of the CMS Guidance Manual in order to support ZDHC brands in furthering their chemicals management practices and work towards their zero discharge goals.

The purpose of the CMS Guidance Manual is to provide guidelines for suppliers to develop, evolve and maintain their own chemical management system.

It creates a comprehensive and pragmatic approach for managing chemicals in the value-chain with content arranged into three main categories according to the desired level of attention - foundational, progressive and aspirational.

Effective development and adoption of the Audit Tool together with the CMS Guidance Manual is pivotal in supporting implementation of the ZDHC MRSL.

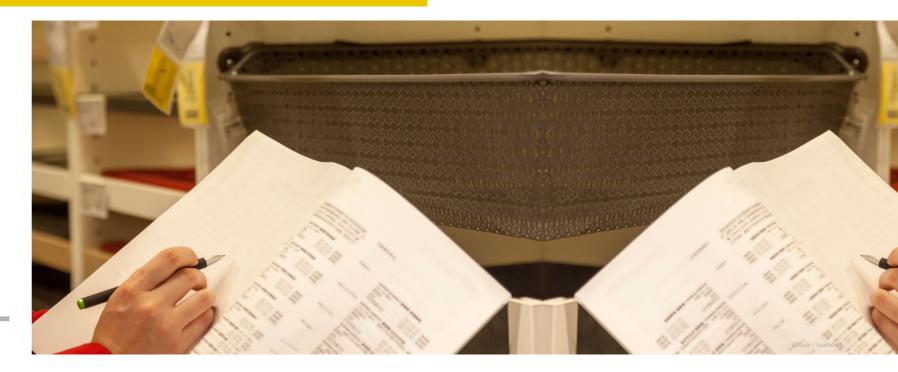
Success in this focus area will be measured by widespread industry adoption of the ZDHC Audit Tool as the global textile and footwear standard, and extensive use of the tool by all tiers of the value-chain.

In July 2015, the Chemical Management System (CMS) Guidance Manual was released. Aimed at manufacturing suppliers, brands, retailers and chemical suppliers it outlines a comprehensive and practical process for managing chemicals whilst allowing an entry point for different organisations in the value-chain. It is intended to be a living document and will be periodically updated.

A significant step towards alignment on industry chemical assessment was the agreement on a Memorandum of Understanding with the Sustainable Apparel Coalition (SAC) with the aim of harmonising the ZDHC Audit Tool with relevant parts of the SAC HIGG Facilities Environment Module (FEM).

In August, the Joint Roadmap Update was published, which worked to align the application of the Audit Tool to existing systems. The ZDHC Programme will continue to develop and refine the Audit Tool as the standard for chemical assessment in the apparel sector.





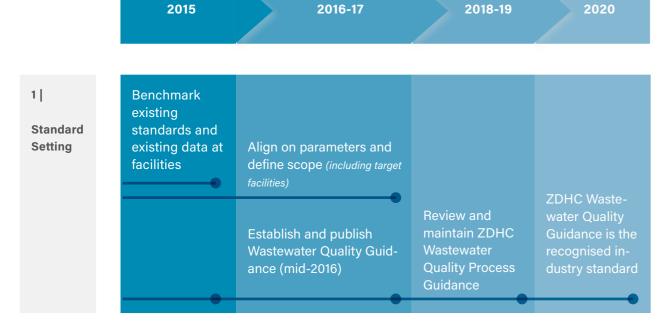
# **Next Steps**

- In 2016 the harmonisation process with the HIGG FEM 3.0 module will be finalised.

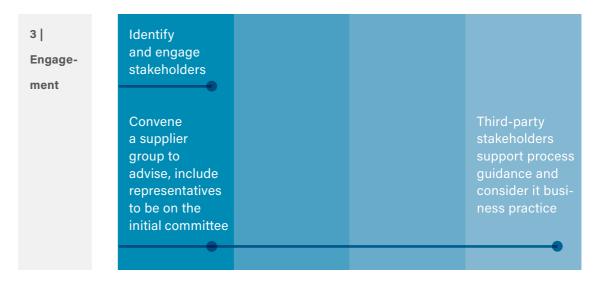
  Going forward, the Audit Tool will become the verification process of the self-assessment input by suppliers for chemical management in the FEM.
- The common aim of SAC, OIA and the ZDHC Programme is to create one consistent set of chemical management assessment tools to evaluate manufacturers' chemical management across their respective value-chains. Working collaboratively, the Programme will lead content development for future updates on chemical management in the chemicals module of the HIGG FEM and participate in the overall governance of the FEM.
- During this process, the Audit Tool will be refurbished to incorporate a key performance indicator format, ensuring consistency and adaptability to brands and suppliers.
- Next steps include finalising the chemical assessment tool harmonisation, as well as any resulting necessary updates of the Audit Tool and CMS Guidance Manual to ensure alignment with the FEM update.
- Further, this focus area will focus on engaging other stakeholders regarding harmonisation of ZDHC brand adoption of the ZDHC CMS Guidance Manual Version 2.0 and Audit Tool Version 3.0.

# Focus Area Update: Wastewater Quality





2   Collabo- rative Imple- mentation	Secure technical expertise by ap- pointing a Tech- nical Advisory Committee	Draft and roll out training to suppliers on wastewater Quality Process Guidance		
mentation		Determine approach and industry implementation partners (e.g SAC, bluesign and other third-parties)		Widespread adoption of ZDHC Waste- water Quality Guidance
		Convene working group on transparency strategy - explore funding options and models for local community access to data supporting Right to Know	Implement guide- lines and provide public access to data in key regions	Roadmap and list of activities to scale trans- parency strategy in key regions
		Provide guidance to mills on best practice implementation		80% of suppliers sign onto the ZDHC Wastewa- ter Quality Pro- cess Guidance



## Overview

Well-designed, properly functioning wastewater treatment plants, good process controls and effective chemicals management are key tools to minimising chemical, physical and biological pollutants discharged into the environment.

To support industry-wide wastewater treatment guidance, in 2015, the ZDHC Programme expanded its focus to include Wastewater Quality.

Factory wastewater discharge may contain chemicals, including chemicals found in the 11 priority classes.

The risk of releasing these chemicals will be reduced or eliminated by adoption of ZDHC's wastewater guidance as the global textile and footwear industry standard.

Work in this focus area seeks to assess effluent discharge improvements for conventional wastewater parameters such as BOD (biochemical oxygen demand), COD (chemical oxygen demand), TOC (total organic carbon) or Colour.

The Programme's wastewater guidance will ensure harmonised test methods and clarify minimum requirements and good practice.

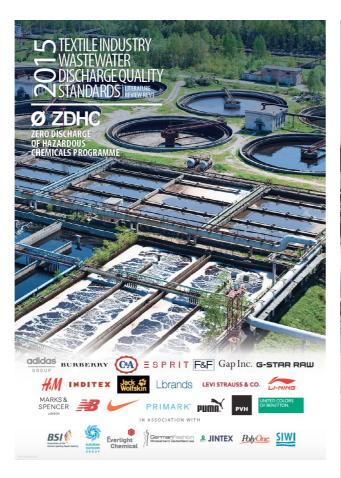
Implementation of the guidelines will ensure consistent data and avoid duplication of testing and confusion in the value-chain.

To coordinate industry efforts, reduce duplication and clarify requirements throughout the value-chain, the ZDHC Programme undertook a literature review of wastewater discharge guidance in the current textile industry, published in December 2015.

Information gathered during this review process showed a wide range of discharge regulations and measurement methods that differ from nation to nation, as well as between guidelines published by brands and amongst multi-brand consortia.

Findings from this review will be used as a baseline for formulating a new set of common industry wastewater discharge guidelines.

This newly founded focus area is supported by five international wastewater experts from Bangladesh, China, Germany and the United States, who will help develop the wastewater guidance document.



# **Next Steps**

Keeping the goal of zero discharge firmly in mind, the ZDHC programme will work with key collaborators to formulate new Wastewater Quality Guidelines due for release in September 2016.

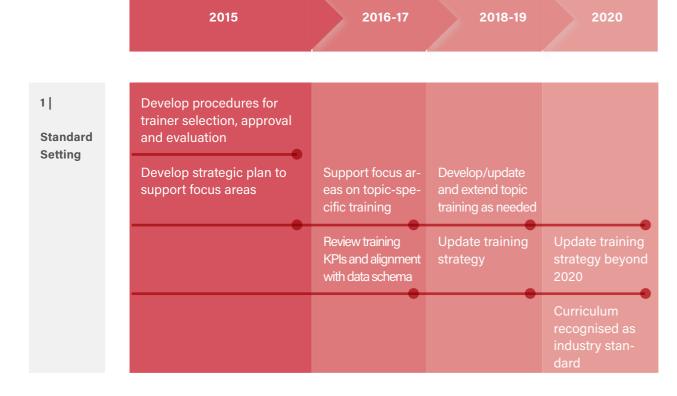
These guidelines will focus on ZDHC MRSL-listed chemical substances and conventional wastewater parameters to reduce or eliminate the risk of releasing MRSL-banned substances.

Developing a single, unified discharge guideline and standardised analytical methods for monitoring wastewater quality will benefit the textile industry greatly and will drive momentum towards meeting the Programme's zero discharge goal.

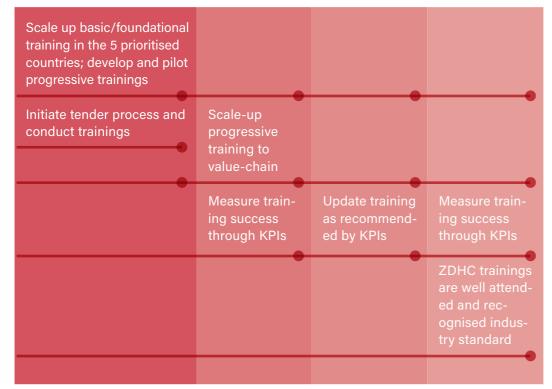


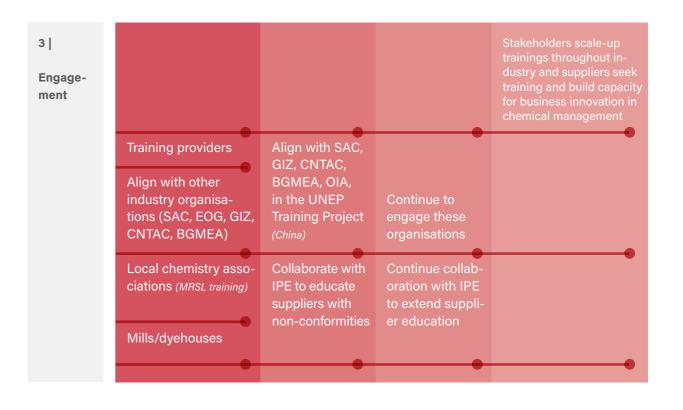
# **Cross-Cutting Area Update: Training**





2 | Collaborative Implementation





## Overview

A well-informed and educated value-chain is a precondition for implementing ZDHC tools, and to reach the Programme's zero discharge goal.

The objective of this cross-cutting area is to plan, develop, time and launch training to support both the understanding, acceptance and use of the ZDHC Programme focus area process guidance and expedient value-chain scale-up.

Working closely with each focus area, this team is developing a long-term training plan and comprehensive curriculum package that aligns training modules with other ZDHC tools.

Training packages will be updated as necessary to maintain harmonisation, and going-forward, training will be offered both online, and in-person according to country and regional training needs.



In 2015, five foundational chemical management training modules were published.



A strategic plan to support focus areas was developed.



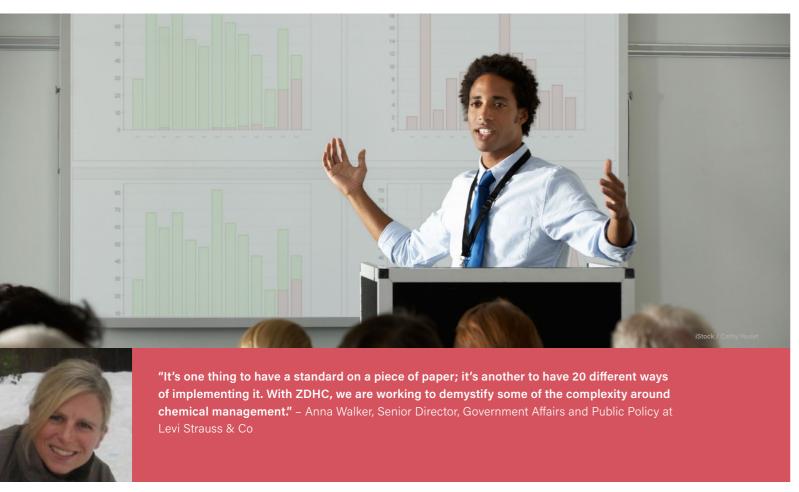
Progressive chemical management training was initiated.



A process for ZDHC training provider selection, approval and evaluation was defined.



A tender was released and initiated, and the process for accrediting training providers begun.





# **Next Steps**



In 2016, the Programme will appoint its first accredited training providers.



These training providers will have the required technical expertise and experience to deliver training in local languages and meet the needs of the value-chain located in five priority countries: China, Bangladesh, India, Vietnam and Turkey.



To scale up this training, and to reach other countries and regions, the ZDHC Programme is developing a robust training infrastructure with an emphasis on quality, consistency and technical competency in chemical management.



By working collaboratively with the Data & Disclosure focus area team, key training KPIs will be defined so improvements can be measured and reported on.



2016 will also see further development of the progressive chemical management training.

# Focus Area Update: Data and Disclosure





1 Standard Setting

Complete MRSL data standards	Publish annual updates to schema; add schema from other focus areas		
Complete data standards for chemical companies topub- lish their MRSL compliant formulations	Incorporate Audit, Waste- water Quality and Train- ing lead data standard additions	Publish annual updates to MRSL, Audit Protocol, Wastewater Qual- ity and Training schemas	
Work with service providers to formally publish data stan- dards and engage with key stakeholders			
	Use data insights to inform Research focus area		
	Liaise with focus area teams to develop/har- monise training to an e-learning kit		
Commence development of the MRSL into XML format			

2 | Collaborative Implementation

Complete pilot; review and document pilot learnings	Pilot additional elements to schema	Align ZDHC data schema with other chemicals man- agement industry standards	Proliferate data standards beyond ZDHC
Explore ZDHC role in the information sharing platform (registry)	Formally publish best practices in data management	Drive strategies with insights gained from data management efforts	
Continue collaboration with chemical companies to simplify data inputs	Pilot additional elements to schema		

3   Engage- ment	Explore harmonisation opportunities with SAC	Continue to align schema and encourage adoption with sup- port of key stakeholders (e.g IPE, CNTAC, OIA, SAC)	Explore additional partnerships to align confidential versus public disclosure key performance indicators	Seek broader adoption through cross-industry collaboration (e.g automotive, elec- tronics)
	Begin formal data sche- ma collaboration with CNTAC	Continue to engage with CNTAC		
	Engage service providers to test interoperability of data schema	Continue to work with service providers		•

## **Overview**

The ZDHC Programme and its value-chain participants including mills, chemical companies and third-party service providers have been exploring challenges in data capture and reporting.

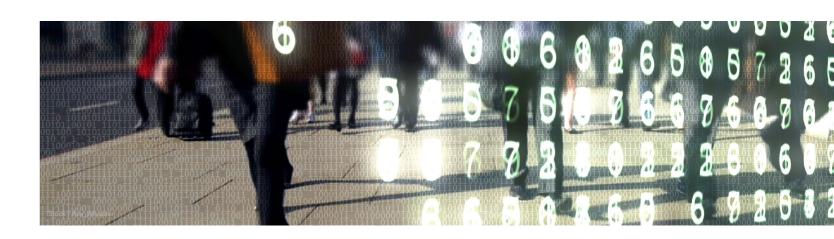
Data touches all parts of the work we do, from MRSL and conformance within formulations, to measuring improvement in water quality by elimination and substitution. These are all relative as we move along the roadmap.

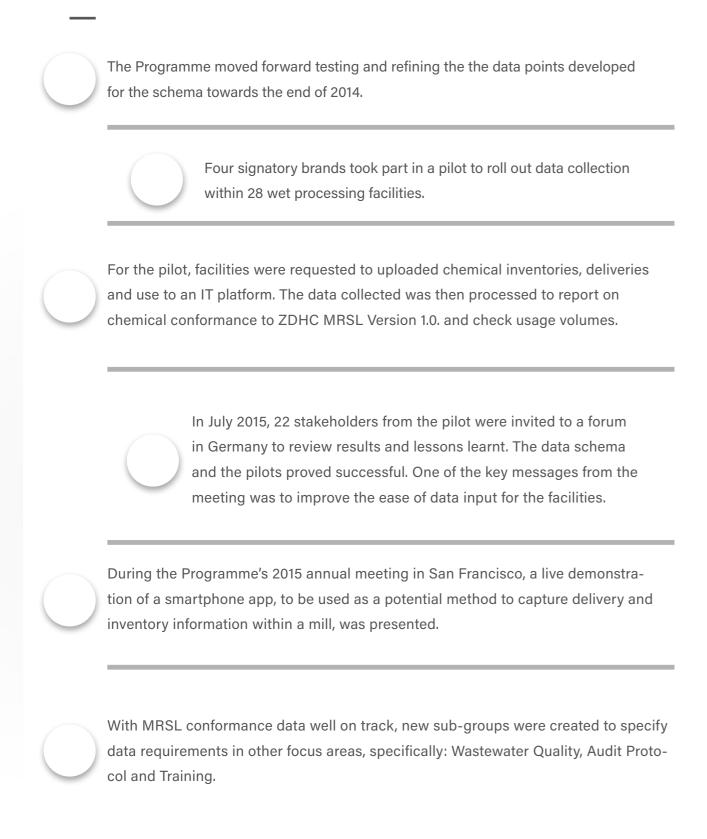
Data exchange provides the dashboard to show progress. If we are to leverage information, and share and report efficiently

between different platforms, a common language for data is essential.

In 2014, the Programme began developing a universal set of standards to organise the way in which key chemical data should be collected and shared for the benefit of all stakeholders.

As individual brands begin to work towards using the data standards in their valuechains, the ZDHC Programme will work with other organisations to develop effective means for sharing standardised chemistry management data in each of our areas of focus.







- The Data and Disclosure cross-cutting area is now moving towards implementation.
- The early part of 2016 will see the ZDHC Chemical Registry established as a backbone for MRSL conformance progress.
- The Chemical Registry is intended to be the product database of all chemical suppliers and their products used in the textile and footwear value chain including their evaluated conformance level towards ZDHC's MRSL.
- Phase one of the data schema will be published to allow platform providers to use a single standard to develop IT services in chemical conformance.
- The ZDHC MRSL will be written from the current pdf format into a XML data schema to widen the scope of use within platforms.
- 2016 will see the initial rollout and brand uptake of data platforms for chemical use and conformance.
- Wastewater discharge reporting will be a priority for the data team.

# **Ambition and Long-term Strategy**

We are working on accelerating towards our zero discharge goal and establishing the ZDHC Foundation as the global centre of excellence for chemical management.

In this 2015 Annual Report, we have reflected on the achievements of each focus and crosscutting area against the Programme's Joint Roadmap. Below, we describe how the ZDHC Foundation will be working to have a lasting impact on the textile and footwear value-chain.

# **Collaborating with Contributors and Engaging Key Stakeholders**

As we continue to ask critical questions to pave the way forward, we will deepen our collaboration with existing ZDHC brands as well as increasing the number of contributors to the ZDHC Programme, who, together, drive the success of the Programme.

Our contributor model aims to enable organisations of different sizes and types to engage in the Programme, shape ZDHC standards and implement them in their respective value-chains. In addition, we will continue to engage with strategic stakeholders in our work, from government, the nonprofit sector and academia.

# **Developing the ZDHC Toolbox and Focusing on Implementation**

We know our goal is ambitious. Going forward we will continue to maintain ZDHC tools and develop supporting guidance. We believe that tool implementation is fundamental to driving change. Therefore, we will be assisting brands and the global value-chain to meet ZDHC standards to minimise duplicative efforts, drive efficiency and keep driving towards the ambitious goal.

# **Expanding the ZDHC Team** and Geographic Scope

In 2016, the ZDHC Programme will focus on expanding and deepening its engagement and impact in the Asian region. The placement of an Asia Director in April 201,6 will create a strong ZDHC presence in that region. Further, our Head of Communications joined the ZDHC Team in January to further accelerate our global profile and engagement activities.



### MRSL and Conformity Guidance



To facilitate implementation of the MRSL, we will support and help the industry with MRSL Conformity Guidance. This is to be released in 2016, and will support facilities to implement the use of chemical formulations that meet the requirements of the ZDHC MRSL. For all substances on the ZDHC MRSL, there are safer alternatives available for use. It is our mission to ensure the list of MRSL-conforming products is easily accessible for the value-chain.

## Research



Currently, we are encouraging the development of safer alternatives, or to define limits on contaminant levels, for nine prioritised chemical substances. In 2016, we look forward to releasing our first Research Brief detailing the requirements for one of these substances, sending a signal to all interested stakeholders for the development of a sustainable alternative.

The number of chemicals on the ZDHC Research List is expected to grow as an integral part of the ongoing MRSL review and related stakeholder input process. As a result of these efforts, chemical substances will be placed on the MRSL as safer alternatives are identified and developed.

## Audit Protocol



To help brands control risks, advance their efforts and continuously work towards

improving chemical management, the Audit Protocol Focus Area will be working together with the Sustainable Apparel Coalition (SAC), the Outdoor Industry Association (OIA) and the Leather Working Group (LWG) to harmonise audit tools. By harmonising these tools we can reduce the burden on the value-chain and improve chemicals management.

## Wastewater Quality

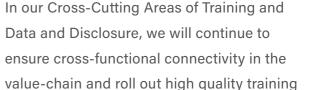


In 2015, Wastewater Quality was added as a ZDHC Programme Focus Area, and in 2016, Wastewater Guidelines will be added to the ZDHC Programme's toolbox. These guidelines will focus on ZDHC MRSL-listed chemical substances and conventional (e.g. COD, metals, solids) wastewater parameters equally to reduce or eliminate the risk of releasing MRSL-banned substances.

Developing a single, unified discharge guideline and standardised analytical methods for monitoring wastewater quality will benefit the textile industry greatly and will drive momentum towards meeting the Programme's zero discharge goal.

## Training and Data and Disclosure





modules to our partners in the industry.

# Join the ZDHC Programme

Join us in creating and harmonising standards to ensure safer chemical management and the protection of workers, consumers and the environment.

The ZDHC Programme is open to organisations of different sizes and types, committed to driving industry-wide change towards the goal of zero discharge of hazardous chemicals.

ZDHC provides different contribution levels for organisations involved in the textile and footwear industries who have a public senior management commitment to sustainable development.

The Programme's three contributor categories are:

- Signatory Brands Open to brands and retailers.
- Value-Chain Affiliates Open to the textile/footwear industries and related chemical industry and other solution providers.
- Associates Open to industry associations, NGOs and institutional partners such as government, institutions or academia.



# What are the benefits of joining ZDHC?

Stay ahead of legal and regulatory developments with regards to chemical management

Work as part of a collaboration, developing and implementing ZDHC products and tools

Access ZDHC tools and products

Access chemical management and industry expertise

Network and be associated with leading brands, learning and sharing best practices on chemical management and tool applications and implementation

Create leadership visibility for your organisation by being part of the ZDHC, driving transformative industry change.



If your organisation shares the ZDHC Programme's vision and goals, and is willing to collaborate in order to achieve transformative industry-wide change, we encourage you to consider joining as a contributor.

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