ZDHC MMCF Guidelines
Industry Standard Implementation Approach

Version 1.0
May 2020
Introduction

With the release of the ZDHC MMCF Guidelines, all relevant stakeholders are expected to collaborate towards a successful industry implementation. The key stakeholder groups identified by ZDHC in the implementation of these guidelines are:

1. MMCF Fibre Manufacturing Facilities & Suppliers (hereafter referred as manufacturing facilities)
2. Brands & Retailers
3. ZDHC Provisionally accepted Wastewater testing Laboratories

The above stakeholder groups have a key role in the implementation of the ZDHC MMCF Guidelines. Accordingly, ZDHC has created this document to underline the steps and actions necessary to implement the guidelines and support the involved stakeholders.

ZDHC MMCF Guidelines

ZDHC, its contributor community, and all stakeholders that were part of the creation of the ZDHC MMCF Guidelines invite all relevant stakeholders to adopt and implement these documents.

We define adoption as: The decision of using the ZDHC MMCF Guidelines for your business by changing your organisation's internal and external policies, in addition to the communication of the new policy. This communication can be executed using the ZDHC MMCF Guidelines V1.0 Communication Template

- The scope should be at a minimum as specified in the ZDHC MMCF Guidelines.
- The ZDHC MMCF Guidelines shall be referenced to in their communication either by sharing the link to the document or the document per-se, or just referring to the ZDHC MMCF Guidelines.

We define implementation as: The result from steps taken - beyond adoption - to put the decision into action. Steps like training, beginning to track compliance with the new policy, continuous improvement roadmap tracking, etc.
The different chapters that constitute the ZDHC MMCF Guidelines were created with the intention of being adopted and implemented together, as each chapter of the document touches upon the key areas within the process and output of MMCF manufacturing. To reduce the environmental impact generated within the process, manufacturing facilities should start working towards addressing the production outputs and transitioning to a circular approach.
Chapter 1: ZDHC MMCF Responsible Fibre Production Guidelines

This chapter of the ZDHC MMCF Guidelines (found within the ZDHC MMCF Responsible Fibre Production Guidelines V1.0) defines a standard approach for the chemical recovery requirements and expectations for MMCF manufacturing facilities. The below listed are the identified relevant stakeholder groups:

- Manufacturing Facilities & Suppliers
- Brands & Retailers

To implement this document the listed stakeholder groups should:

Manufacturing Facilities & Suppliers

After having communicated the adoption of the ZDHC MMCF Responsible Fibre Production Guidelines and accordingly updating their policy, this stakeholder group should:

Parameters

- Start compiling the needed information to report against ZDHC MMCF Responsible Fibre Production Guidelines, and plan accordingly. To be assessed:
  - Sulphur recovery. Percentage of Sulphur recovered and fed again to the process. Calculation correlated to the mass balance calculation results to report under the ZDHC MMCF Interim Air Emission Guidelines, in relation to the input of Carbon Disulfide.
  - Sulphate recovery - Sodium Sulphate recovery rates. Percentage or kg of salt recovered as a by-product from the process.
  - Wastewater parameters reported in Load per tonne of fibre, like COD, BOD, and Zn.

- What do you need for the assessment:
  - Mass balance results - Sulphur to emissions to air.
  - Consumption in kg per tonne of produced fibre of Carbon Disulfide.
  - Fibre Production in Tonne.
  - Quantity of sodium sulphate produced as a by-product (Tonne)
![Image](image1.png)

**Continuous improvement roadmap**

- **Foundational**: It's expected that manufacturing facilities & suppliers reach this level no later than one year after the first assessment against this document. This means a facility adopting and implementing this document in 2020 should report all parameters in foundational by October 31, 2021- October 31, 2022.
- **Progressive**: Manufacturing facilities shall achieve this level between the third and fifth year after the first assessment against this document. This means a facility adopting and implementing this document in 2020 should report all parameters in progressive level by October 31, 2023 - October 31, 2025.
- **Aspirational**: Manufacturing facilities & suppliers are expected to create a roadmap with a clear indication of the date they are planning to reach this level, related to the capabilities of each facility.

- Suppliers are encouraged to share the reached level and progress publically.

### ZDHC MMCF Responsible Fibre Production Guidelines V1.0 Implementation timelines

<table>
<thead>
<tr>
<th>ZDHC Levels</th>
<th>First and second year</th>
<th>Between third and fifth year</th>
<th>Beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundational</td>
<td>2020 release</td>
<td>2021</td>
<td>2022</td>
</tr>
<tr>
<td>Progressive</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspirational</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Facility continuous improvement roadmap**

1. ZDHC’s MMCF Guidelines will be updated to reflect any revisions to EU BREFs relevant to MMCF production (e.g. WGC (BREF)).
2. Approximately 43% of the global production market have active commitments of reaching this level by 2023-2025.
Brands & Retailers

After having communicated the adoption of the ZDHC MMCF Responsible Fibre Production Guidelines and after having communicated the adoption and accordingly the policy update, this stakeholder group should:

**Parameters**

- Require Manufacturing Facilities & Suppliers that are part of your value chain to start assessing the information needed to report against ZDHC MMCF Responsible Fibre Production Guidelines, and plan the reporting of this information accordingly.
- If your organisation does not have the names of the MMCF manufacturing facilities that belong to its value chain, you should work on creating that visibility.

**Platform for the reporting of the guidelines**

- While ZDHC works on the development of a platform suitable for the reporting of these guidelines, your organisation can ask Manufacturing Facilities & Suppliers to share this information individually.

**Capacity Building**

- Require members of your organisation and your value chain to join the available training. This could be a Roadmap to Zero webinar or ZDHC Academy Training (webinar or in-person).

**Continuous improvement**

- As part of their strategy and policies, your organisation may include the preference for use of fibres originated in Manufacturing Facilities & Suppliers that reach your expectations of their continuous improvement roadmap progress.

---

**ZDHC MMCF Guidelines Industry Standard Implementation Approach**

**Version 1.0 | May 2020**

---

**Adoption of ZDHC MMCF Air Emissions Guidelines** (Policy update)

- Communicate the adoption to supply chain using the given template.

- Log in with your ZDHC Gateway account to the Supplier to Zero platform.
  - Your supplier profile will be the same as the one in ZDHC Gateway, so make sure you select the right raw material (viscose or modal) and process (fibre/raw material processing – Polymer processing, pulp dissolving for MMCF or Material creation: Fibre Manufacturing.)
  - Respond to the foundational level of the platform (self-assessment questions).

---

**ZDHC working on the verification bodies that could potentially help to verify this guidelines with reduced burden.**

---

**Encourage your supply chain to log in with their ZDHC Gateway account to the Supplier to Zero platform.**

- Ask them to assess their facility in the platform.
- After the assessment the facility can download the responses.

---

**ZDHC MMCF Guidelines Industry Standard Implementation Approach**

**Version 1.0 | May 2020**
Chapter 2: ZDHC MMCF Interim Wastewater Guidelines

This chapter of the ZDHC MMCF Guidelines or individual document ZDHC MMCF Interim Wastewater Guidelines V1.0 define a standard approach for wastewater testing requirements and expectations for MMCF manufacturing facilities. Define a standard approach for wastewater discharge. The below listed are the identified relevant stakeholder groups:

- Manufacturing Facilities & Suppliers
- Brands & Retailers
- ZDHC Provisionally accepted Wastewater testing Laboratories

To implement this document the listed stakeholder groups should:

Manufacturing Facilities & Suppliers

After having communicated the adoption of the ZDHC MMCF Interim Wastewater Guidelines.
After having communicated the adoption and accordingly the policy update, this stakeholder group should:

Parameters

- Start assessing what is needed to report against ZDHC MMCF Interim Wastewater Guidelines and plan accordingly (such as reviewing capacity of pre-treatments, etc.)
- Conventional: pH, temperature, colour, COD, BOD, Oil & Grease, Total-N, NH4-N, TSS, Total-P, AOX, and Phenols. (Toxicity is an optional parameter)
- Additional: Total Cr, Cd, Cu, Ni, Cr (VI), Pb, Hg, Σ-Hydrocarbons, and APEOs.
- Specific to MMCF production: Zn, Sulphide, and CS2.
- If your manufacturing facility was part of the ZDHC MMCF Wastewater testing Pilot, you can ask the selected ZDHC Provisionally Accepted Laboratory to upload that test report to the ZDHC Gateway - Wastewater Module.

Reporting platform - ZDHC Gateway

- Your organisation should designate a person/team responsible for the creation and maintenance of the ZDHC Gateway account of each individual Manufacturing Facility or Supplier. This person/team should be trained and have the knowledge to
share and update technical information about the facility and be responsible for the acceptance of wastewater test results.

- Create an account on the platform ZDHC Gateway - Wastewater Module. This can be done:
  - If you are a ZDHC Contributor or
  - If you are a Manufacturing Facility or Supplier invited by another Manufacturing Facility, Supplier, Brand or Retailer.
  Note: When creating your profile make sure you select your raw material (viscose or modal) and process (fibre/raw material processing – Polymer processing, pulp dissolving for MMCF or material creation: Fibre Manufacturing.)

- Select Laboratory from ZDHC Accepted Laboratories for MMCF wastewater testing.
  - Communicate to the selected laboratory your needs.
  - Plan collection, sampling, and testing.
  - Once the testing is conducted the laboratory will update your test report via ZDHC Electronic Data Reporting System.

- Review and accept/reject the wastewater test report uploaded by the selected laboratory. By accepting the test report it will become visible to Brands & Retailers.

- If necessary, identify the root cause and solve the issue and re-test (RCA and CAP Templates are available on the ZDHC Gateway platform).

### Capacity Building

- Require members of your organisation and your value chain to join the available training. This could be a Roadmap to Zero webinar or ZDHC Academy Training (webinar or in-person).

- Encourage your preferred laboratory to apply to be part of the ZDHC Provisionally accepted Wastewater testing Laboratories.

### Continuous improvement

- After assessing your organisation against this document, your organisation should develop a continuous improvement roadmap. This roadmap should be incorporated into your organisation strategy and policies and should include the steps that should be taken to reach Aspirational level.

#### Continuous improvement roadmap

- **Foundational**: It’s expected that manufacturing facilities & suppliers reach this level no later than one year after the first assessment against this document. This means a facility adopting and implementing this document in 2020 should report all parameters in foundational by October 31, 2021.
- **Progressive**: Manufacturing facilities should achieve this level between the third and fifth year after the first assessment against this document. This means a facility adopting and implementing this document in 2020 should report all parameters in progressive by October 31, 2023 - October 31, 2025.
- **Aspirational**: Manufacturing facilities & suppliers are expected to create a roadmap with a clear indication of the date they are planning to reach this level, related to the capabilities of each facility.

- Suppliers are encouraged to share the reached level and progress publically.

### ZDHC MMCF Interim Wastewater Guidelines V1.0 Implementation timelines

<table>
<thead>
<tr>
<th>ZDHC Levels</th>
<th>2020 release</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundational</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Progressive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspirational</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Facility continuous improvement roadmap**

---

1. ZDHC’s MMCF Guidelines will be updated to reflect any revisions to EU BREFs relevant to MMCF production (e.g. WGC BREF).
2. Approximately 43% of the global production market have active commitments of reaching this level by 2023-2025.
Brands & Retailers

After having communicated the adoption of the ZDHC MMCF Interim Wastewater Guidelines and after having communicated the adoption and accordingly the policy update, this stakeholder group should:

Parameters

- Your organisation can also require manufacturing facilities producing dissolving wood pulp (DWP) or viscose and modal filament yarn to report against this document. If this is the case, it's imperative that limit values are contemplated as test results in key substances can yield higher concentrations.²
- Require those Manufacturing Facilities & Suppliers that are part of your value chain to start reporting against ZDHC MMCF Interim Wastewater Guidelines, and plan the reporting of these parameters accordingly.³ For this your organisation should:

Reporting platform - ZDHC Gateway

- Invite your relevant part of the value chain to ZDHC Gateway for the reporting. You can add them to your bookmarks.
- If your organisation does not have the names of the MMCF manufacturing facilities that belong to its value chain, you should work on creating that visibility.
- When necessary, ask your value chain partner to identify the root cause of a non-conformance, solve the issue and re-test (RCA and CAP Templates are available on the ZDHC Gateway.)

Capacity Building

- Require members of your organisation and your value chain to join the available training. This could be a Roadmap to Zero webinar or ZDHC Academy Training (webinar or in-person).
- Encourage laboratories to apply to be part of the ZDHC Provisionally accepted Wastewater testing Laboratories.

Continuous improvement

- Your organisation may include as part of their Strategy and/or Policies the preference for fibres originated in Manufacturing Facilities & Suppliers that reach your expectations of their continuous improvement roadmap progress.
- Require your value chain to create a continuous improvement roadmap after the first testing against ZDHC MMCF Interim Wastewater Guidelines.
- Monitor your value chain fulfillment of their roadmap.

ZDHC provisionally Accepted Laboratories

This stakeholder group should:

Parameters

- Reach out to ZDHC to become a part of the list of ZDHC Provisionally Accepted Laboratories capable of testing against the ZDHC MMCF Interim Wastewater Guidelines, if they are part of this list.
- As one of the listed ZDHC Provisionally Accepted Laboratories capable of testing against the ZDHC MMCF Interim Wastewater Guidelines - once a Manufacturing Facility or Supplier reaches out to you - should always have clear communication about in-house, out-sourced and not available testing methods.
- Once you have been selected by a Manufacturing Facility or Supplier to conduct their wastewater testing against the ZDHC MMCF Interim Wastewater Guidelines, your organisation shall:
  - Plan collection, sampling and analysis.
  - Your organisation and/or involved outsourced organisations must follow the ZDHC Wastewater and Sludge Laboratory Sampling and Analysis Plan V1.2 (newly updated to include MMCF parameters).

Reporting platform - ZDHC Gateway

- Once obtained the results of the sample analysis, your organisation shall upload them via ZDHC Electronic Data Reporting System.

---

² Limit values for dissolving wood pulp (DWP) viscose and modal filament yarn will be part of the next guideline update.
³ Although the ZDHC Gateway - Wastewater Module it's ready to support the report of the ZDHC MMCF Interim Wastewater Guidelines, it's necessary to understand the impact of COVID-19 to all stakeholders. Brands and their value chain partners should evaluate individual possibilities for testing and reporting against this document. As a result of this evaluation a reposting schedule plan can be created.
**Capacity Building**

- ZDHC encourages this stakeholder group to develop capacities in testing parameters internally, for those that are currently outsourced or not tested, such as Toxicity\(^7\).
- Require members of your organisation and your value chain to join the available training. This could be a Roadmap to Zero webinar or ZDHC Academy Training (webinar or in-person).

### Begin Transition

<table>
<thead>
<tr>
<th>Begin Transition</th>
<th>End of first available ZDHC MMCF Wastewater Guidelines reporting cycle in Gateway.</th>
</tr>
</thead>
<tbody>
<tr>
<td>- <strong>Adoption of ZDHC MMCF Wastewater Guidelines</strong> (Policy update)</td>
<td>- If necessary, identify root cause, solve issue and re-test (RCA and CAP Templates are available on the ZDHC Gateway platform.)</td>
</tr>
<tr>
<td>- <strong>Communicate</strong> to the selected laboratory your needs.</td>
<td>- Create your facility continuous improvement roadmap to achieve the next levels on the three-level approach</td>
</tr>
<tr>
<td>- <strong>Plan</strong> collection, sampling and testing.</td>
<td></td>
</tr>
<tr>
<td>- <strong>Review</strong> and <strong>accept</strong> the wastewater test results uploaded to the Gateway by your selected laboratory.</td>
<td></td>
</tr>
<tr>
<td>- <strong>Encourage</strong> the Laboratory to work on the development of any missing test methods.</td>
<td></td>
</tr>
</tbody>
</table>

### Facilities

- Require the members of your organisation and supply chain to join the available training.

### Brands

- Require the members of your organisation and supply chain to join the available training.

### Laboratories

- Reach out to ZDHC to become a ZDHC MMCF Guidelines testing laboratory.
- Work on the development of any missing test methods.

---

\(^7\) Toxicity: Conventional Wastewater parameter (optional) of the ZDHC MMCF Wastewater Guidelines. Toxicity includes Luminous Bacteria test, or Fish egg test, or Daphne, or Algae.
Chapter 3: ZDHC MMCF Air Emissions Guidelines

This chapter of the ZDHC MMCF Guidelines or individual document ZDHC MMCF Interim Air Emissions Guidelines V1.0 defines a standard approach for emissions to air linked to the input chemistry for MMCF manufacturing facilities. To implement this document the listed stakeholder groups includes:

- Manufacturing Facilities & Suppliers
- Brands & Retailers

Manufacturing Facilities & Suppliers

After having communicated the adoption of the ZDHC MMCF Interim Air Emissions Guidelines after having communicated the adoption and accordingly the policy update, this stakeholder group should:

Parameters

- Start compiling the needed information to report against ZDHC MMCF Interim Air Emissions Guidelines, and plan accordingly.

To be assessed:

- Sulphur emissions to air shall be calculated with a mass balance.
- Ambient air parameters shall be tested for carbon disulphide (CS2) and hydrogen sulfide (H2S).

What do you need for the assessment:

- Ambient Air test reports for carbon disulphide and Hydrogen Sulfide.
- Mass balance
  - I1= Monthly data of CS2 addition to churn/simplex which should be cumulative of daily data.
  - Either 1) Totaliser readings of flowmeter
  - Or 2) CS2 transferred from tanks (based on tank level difference), net of purchase.
- **O1=** Monthly data of CS2 transfer to storage tanks which should be cumulative of daily data.
  - Either 1) Totaliser readings of flowmeter
  - Or 2) CS2 transferred from tanks (based on tank level difference)

- **O2=** Monthly data of CS2 transfer to storage tanks which should be cumulative of daily data.
  - Either 1) Totaliser readings of flowmeter
  - Or 2) CS2 transferred from tanks (based on tank level difference).

- **O3=** Method # 1
  - Monthly data of gas flow-rates to the scrubber. The concentration of H2S at the inlet & outlet of the tower from online gas analyser or Samples analysed in Labs (at least once a day) if analysed by a wet method in Lab or handheld portable meter.

- **O3=** Method # 2
  - Monthly Production Data of NaSH or Na2SO3 which should be cumulative of daily figures on a dry basis and calculate the equivalent sulphur recovered.

- **O4=** Monthly data of H2SO4 transfer to storage tanks which should be cumulative of daily data.
  - Either 1) Totaliser readings of flowmeter
  - Or 2) tank level (based on tank level difference)
  - Molten sulphur fed to WSA to be deducted based on monthly, cumulative daily readings of Molten sulphur fed to WSA flow meter reading.

- **O5=** Monthly data of the parameters used in the following formula:
  - The sulphur is fed to the boiler from the viscose process as well as there is Sulphur in coal, both get converted to SOx in the boiler or incinerator. The SOx is scrubbed by lime to make gypsum. The flue gas from the boiler has some remaining unscrubbed sulphur as SOx. The purity of gypsum can vary depending on the flue gas desulphurization process applied.
  - The calculation method to estimate the sulphur scrubbed by gypsum: mass balance of sulphur across the boiler/incinerator.
  - Sulphur IN
    - A= Calculation of Sulphur with exhaust gases of viscose: Product of exhaust gas flow-rate and concentration of CS2 & H2S (calculated as equivalent Sulphur) / day
    - B= Sulphur content in coal (total of the day) - Product coal fed to boiler / day and sulphur content in coal (as measured in Lab)
  - Sulphur OUT
    - C= Sulphur out with flue gases: product of flow-rate of flue gases + SOx (as equivalent Sulphur) / day
    - Sulphur released to air from viscose staple fibre process
      - D= (A x C)/(A+B)
      - O5 = A-D

- **O6=** Method # 1
  - Monthly data of gas flow-rates to the scrubber.
  - The concentration of CS2 & H2S at the inlet & outlet of the tower from the online gas analyser.

- **O6=** Method # 2
  - Samples (at least once a day) if analysed by the wet method in lab or handheld portable meter
  - Equivalent sulphur to be estimated by calculations.
  - Fibre production in metric tonnes.

It is recommended to also the consumption per tonne of produced fibre of:
- Carbon disulfide, caustic soda, Sulfuric acid, zinc, pulp, spin finish, sodium hypochlorite. (These substances will be submitted to give context.)

**Platform for the reporting of the guidelines**
- While ZDHC works on the development of a platform suitable for the reporting of these guidelines, Brands & Retailers can ask your organisation to share this information.
Capacity Building

- Require members of your organisation and your value chain to join the available training. This could be a Roadmap to Zero webinar or ZDHC Academy Training (webinar or in-person).

Continuous improvement

- After assessing your organisation against this document, your organisation should develop a continuous improvement roadmap. This roadmap should be incorporated into your organisation strategy and policies and should include the steps that should be taken to reach Aspirational level.

Continuous improvement roadmap

- **Foundational**: It’s expected that manufacturing facilities & suppliers reach this level no later than one year after the first assessment against this document. This means a facility adopting and implementing this document in 2020 should report all parameters in foundational by October 31, 2021- October 31, 2022.

- **Progressive**: Manufacturing facilities should achieve this level between the third and fifth year after the first assessment against this document. This means a facility adopting and implementing this document in 2020 should report all parameters in progressive level by October 31, 2023 - October 31, 2025.

- **Aspirational**: Manufacturing facilities & suppliers are expected to create a roadmap with a clear indication of the date they are planning to reach this level, related to the capabilities of each facility.

- Suppliers are encouraged to share the reached level and progress publically.

---

ZDHC MMCF Air Emissions Guidelines V1.0 Implementation timelines

<table>
<thead>
<tr>
<th>ZDHC Levels</th>
<th>First and second year</th>
<th>Between third and fifth year</th>
<th>Beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundational</td>
<td>2020 release</td>
<td>2021</td>
<td>2022</td>
</tr>
<tr>
<td>Progressive</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspirational</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Facility continuous improvement roadmap

---

* ZDHC’s MMCF Guidelines will be updated to reflect any revisions to EU BREFs relevant to MMCF production (e.g. WGC BREF).

* Approximately 43% of the global production market have active commitments of reaching this level by 2023-2025.
Brands & Retailers

After having communicated the adoption of the ZDHC MMCF Interim Air Emissions Guidelines and after having communicated the adoption and accordingly the policy update, this stakeholder group should:

Parameters

- Require those manufacturing facilities that are part of your value chain to start assessing the information needed to report against ZDHC MMCF Interim Air Emissions Guidelines, and plan the reporting of this information accordingly.

Platform for the reporting of the guidelines

- While ZDHC works on the development of a platform suitable for the reporting of these guidelines, your organisation can ask Manufacturing Facilities & Suppliers to share this information individually.

Capacity Building

- Require members of your organisation and your value chain to join the available training. This could be a Roadmap to Zero webinar or ZDHC Academy Training (webinar or in-person).

Continuous improvement

- Your organisation may include as part of their Strategy and/or Policies the preference for use of fibres originated in Manufacturing Facilities & Suppliers that reach your expectations of their continuous improvement roadmap progress.

Log in with your ZDHC Gateway account to the Supplier to Zero platform.
- Your supplier profile will be the same as the one in ZDHC Gateway, so make sure you select the right raw material (viscose or modal) and process (fibre/raw material processing – Polymer processing, pulp dissolving for MMCF or Material creation: Fibre Manufacturing.)
- Respond to the foundational level of the platform (self-assessment questions).

Encourage your supply chain to log in with their ZDHC Gateway account to the Supplier to Zero platform.
- Ask them to assess their facility in the platform.
- After the assessment the facility can download the responses.

ZDHC working on the verification bodies that could potentially help to verify this guidelines with reduced burden.

As the verified reporting of this document is a work in progress, the Supplier to Zero platform can be used in the meantime by facilities to share information about the implementation of this document.

Laboratories

Facilities

Brands

ZDHC MMCF Guidelines Release

01 May 2020

First available questionnaire ZDHC MMCF in Supplier to Zero platform (ex Facility Leader Programme)

Start assessing what is needed to report against Air emissions and Responsible Fibre Production Guidelines, and plan accordingly.

ZDHC working on the verification bodies that could potentially help to verify this guidelines with reduced burden.

TBD 2020

2020: Implementation

2021: Supply Chain reporting