

To:
From: Karen Smant <Karen.Smant@Milliken.com> (by way of Brad
Miller)
Subject: Work Group #1 edits
Cc:
Bcc:

Attachments:

5.4 Efficient Use of Materials

The organization shall reduce the quantity (mass) of raw materials used in the manufacture and

delivery of products and services. Material efficiency is calculated for the materials comprising 80 percent of the weight of the products to be assessed. **This credit is focused on the substantial conversion of raw material (e.g. sawing, routing, machining, forming, stamping, molding, cutting, sewing) and does not cover the extraction and initial processing of raw materials.** By fulfilling one of the two criteria below, an

organization can earn a maximum of two points in this element, as detailed below.

5.4.1 The organization shall receive one point if it demonstrates a Material Efficiency of 70%.

5.4.2 The organization shall receive two points if it demonstrates a Material Efficiency of 80%.

Material Efficiency = [(Input Mass – Waste Mass)/ (Input Mass)] X 100%

Process aids and incidental consumables (e.g. gloves, sand paper) are not included in the

calculation. Waste Mass includes materials sent to recycling unless full economic value recovery is demonstrated.

5.12 Water management

The intent of this section is to focus on process water only. Process water includes pre-treatment (phosphating wash line), glue processes, cooling water, and spraybooth over-spray capture systems. If no process water is used, these points are not applicable to the assessment.

5.12.1 Water inventory of factory

The organization shall receive one point if it establishes a baseline **process** water inventory to document

water sources/withdrawals, uses, and discharges for the manufacturing facility where the finished

product is assembled or manufactured. In situations where multiple manufacturing or supply chain

facilities are utilized in producing the product, the organization shall establish the baseline water

inventory for the facility that has the highest water usage rate.

5.12.2 Water efficiency

The organization shall receive one point if it implements program(s) to maximize **process** water efficiency to

reduce the burden on the water supply and local wastewater treatment systems for the manufacturing facility where the finished product is assembled or manufactured. Where multiple

manufacturing or supply chain facilities are utilized to produce the product, the organization shall

pursue the water efficiency improvement for the facility that has the highest water usage rate. The

organization shall provide objective evidence that water efficiency improvement goals have been

established for the manufacturing facility within the past 5 years. Performance against the goals must be tracked. Reductions in water usage rates must be documented.

5.12.3 Wastewater discharge

The organization shall receive two points if it achieves zero net **process** water usage or wastewater discharge rates for the manufacturing facility where the finished product is assembled or manufactured. In situations where multiple manufacturing or supply chain facilities are utilized to produce the product, the organization shall achieve zero discharge for the facility that has the highest water usage rate.

Karen [Smant](#)
Key Account Manager

[Milliken](#) Fabric
1140 [Monroe](#) Ave NW
Suite 202
Grand Rapids, MI 49503

[tf](#): 800.344.3174
[o](#) 616.771.6876
[c](#) 616.560.5556
[e](#) karen.smant@milliken.com

**** Confidentiality and Commercial Terms and Conditions Notice: ****
Privileged/Confidential information may be contained in this message and is intended only for the use of the addressee. Please advise immediately if you or your employer do not consent to Internet e-mail for messages of this kind. If you are not the addressee, or person responsible for delivering to the person addressed, you may not copy or deliver this to anyone else. If you receive this message by mistake, please notify the sender immediately by return e-mail. All commercial transactions, offers and acceptances are exclusively subject/limited to and conditioned upon our terms posted at www.milliken.com/terms, and we object to and reject any of your additional/different terms and conditions unless we expressly agree to them in a signed writing.
Thank you.
