Today’s Webinar Agenda

• Introductions – Wendy Vittori, HPDC
• Third Party Verification Program Overview – John Geyer, HPDC
• Harmonizing Verification with Declare – Andrea Cooper, ILFI
• Presentations by Approved Verifiers
  • Green Circle Certified – Natalie Walker
  • SCS Global Services – Nicole Munoz
  • Vertima – Josée Lupien
  • WAP Sustainability – William Paddock
• Panel Q&A with Webinar Participants
Today’s Panelists

Josée Lupien, Vertima
Natalie Walker, Green Circle Certified
Nicole Munoz, SCS Global Services
William Paddock, WAP Sustainability
Andrea Cooper, ILFI
John Geyer, HPDC
Wendy Vittori, HPDC
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Q&A Session Will Follow the Last Presentation

Please submit your questions, as we go along, via the “Questions” tab on the Webinar control panel
Third Party Verification Program Overview

John Geyer
HPDC Program Director
Third Party Verification Program Objectives

- Manage credentialing and methodology for independent review and verification of completed HPDs
- Provide additional level of assurance that an HPD
  - complies with the HPD Open Standard
  - includes data required by specified certifications (such as LEED)
  - data reported in the HPD has been source-verified
- Provide basic quality assurance through objective process with independent, approved Third Party Verifiers
  - Establish a standard methodology for verification
- Establish rigorous requirements and approval process for verifiers
  - Provide the users of products with an extra measure of confidence that the reported information is credible.
What is Third Party Verification for HPDs?

• An objective process, performed by an objective third party
• Initiated by manufacturer of the product, by contracting with an HPDC-approved Third Party Verifier.
  • A Third Party Preparer may not verify HPDs they have prepared.
• Desk audit – verifiers do not conduct laboratory tests or other independent assessments of product contents or performance.
• Third party verification does not provide information on which product is “preferable”.
Key elements of the program

• **The verification process for HPDs**
  - Focuses on compliance with the requirements of the HPD Open Standard
  - Confirms that the product’s formulation reporting matches documentation and aligns with the Standard requirements
  - Ensures that non-disclosed proprietary information is accurately represented.

• **A Third Party Verification is a desk audit, not:**
  - an onsite audit that would review a Bill of Materials, batch record, or an examination of the physical attributes of the product or included ingredients in regard to the final manufacturing facility.
  - certification of the product or a declaration that that the product is safer or deemed safer.

• **Verification is based on a detailed checklist.**
  - Verification will be available for version 2.1 and later HPDs. At this time there is no plan to verify version 2.0 or 1.0 HPDs.
Benefits for Manufacturers

- Third Party Verification program provides a reliable source for approved consultants who can help in preparing and verifying HPDs.
- Gives manufacturers the opportunity to have their HPDs verified by an independent and recognized expert as fully compliant with the HPD Open Standard, providing their current and prospective customers with an added level of confidence in their products.
- Allows them to confirm their processes for creating their HPDs and allows greater confidence in the information provided by their suppliers.
For more information on the program, please see:

HPDC website: https://www.hpd-collaborative.org/

Third Party Verification Program Webpage: https://www.hpd-collaborative.org/third-party-verification-program/

Third Party Verifiers Webpage: https://www.hpd-collaborative.org/approved-third-party-verifiers/


John Geyer
HPDC Program Director
support@hpd-collaborative.org
Harmonizing Verification with Declare

Andrea Cooper
Digital Dye Injected or Continuous Dyed
Modular Carpet Tile
Milliken & Company

Final Assembly: LaGrange, GA, USA
Life Expectancy: 15 Years
End of Life Options: Salvageable/Reusable In Its Entirety

Ingredients:
Face Fiber: Poly[Imino(1,6-Dioxo-1,6-Hexanediyl)Imino-1,6-Hexanediyl]]; Backing: Aluminatesilicate, Calcium Carbonate, Polyurethane, Bitumens, Extracts of Steam-Refined and Air-Refined, Steam-Refined, Cracking-Residue and Air-Refined Bitumens, Polyethylene Terephthalate/Polybutylene Terephthalate, Polypropylene, Calcium Oxide, Styrene-Butadiene-Vinylidene Chloride Based Polymer, Styrene-Butadiene Copolymers, Dihydrogen Oxide, Fiberglass, Hydrocarbons, C6-20, Polymers, Hydrogenated, 2-Propenoic Acid, Polymer with 1-Propene, Potassium Oxide (K20), Nylon 6, Quartz; Various Additives

Living Building Challenge Criteria:

Third Party Verified

Third Party Verification

MANUFACTURER CLAIMS VERIFIED BY WAP Sustainability
Third Party Verified Program Harmonization

Products disclosed to 100 ppm are ideal candidates for the Declare program.

HPDC Third Party Verification Program assessors are approved to assess Declare applications. ILFI will offer Declare training to HPDC assessors.

Manufacturers can use the same assessor for their HPDs and their Declare applications.

www.living-future.org/declare
Green Circle Certified

Natalie Walker
Director of Operations
Assuring Accountability in Today’s Evolving Market
GreenCircle History

• GreenCircle was created after repeatedly finding products labeled with false and misleading environmental claims.

• GreenCircle was established to be a credible, scientifically based third-party certification body.

• GreenCircle certifies all environmental claims to internationally recognized standards.
GreenCircle’s Affiliations and Recognitions

Sustainable Biodiesel Alliance

Sustainable Purchasing Leadership Council

INTERNATIONAL LIVING FUTURE INSTITUTE™

Home Innovation Research Labs™

Pennsylvania Recycling Markets Center

Third Party Verification - Manufacturer Overview
Verification Process

GreenCircle - Certification Proven Process

- CLIENT: Returns signed proposal or purchase order (5 Business Days)
- GCC: Holds data collection call with client (15 Business Days)
- CLIENT: Returns required data for GCC review (10 Business Days)
- GCC: Alerts client of any additional data needed, additional invoice required (10 Business Days)
- GCC: Presents final report to client (10 Business Days)
- GCC: Completes certification analysis (15 Business Days)
- GCC: Completes data review and issues response (70 Business Days)
- CLIENT: Receives certificates and final report from GCC (5 Business Days)

Client Key:
- Client Step
- GreenCircle Step

Third Party Verification - Manufacturer Overview
GreenCircle Certifications

- Recycled Content
- Carbon Footprint Reduction - Product or Operations
- Closed Loop Product
- Life Cycle Assessment (LCA) Optimized
- Recyclable Materials
- Renewable Resource Content
- Sustainable Manufacturing Practices
- Renewable Energy Use
- Waste Diversion from Landfill
- Certified Environmental Facts (Multi-Attribute)
- Sustainable Biodiesel Certification
- Certified Energy Savings - Product

Material Ingredient Reporting Verification (HPDs, Declare, GreenScreen, LEED v4 Compliance, etc.)

Supply Chain Auditing Services (REACH, RoHS, Dodd Frank, etc.)
Material Ingredient Reporting

Material Ingredient Reporting Certification:
LEED v4 Compliance Certification
  Option 1 – Manufacturing Inventory
  Option 2 – 100% No GreenScreen LT-1
  Option 2 – 150% No GreenScreen BM-1

Cradle to Cradle Certification
  Level Achieved
  Verified Declare Label
  Verified HPD

LEED v4 MR Credit: Building product disclosure and optimization - Material Ingredients

ILFI’s Living Product Challenge
Why Verify

Meet Market Demands

GreenCircle’s Experience

Risk Management

Competitive Advantage

Revenue Growth
Contact Information

Natalie Walker, LEED Green Associate, ISSP SA
Director of Operations
Natalie@GreenCircleCertified.com
Office: (610) 569-1047

www.GreenCircleCertified.com
SCS Global Services

Nicole Munoz
Managing Director
SCS is an international leader in independent, third-party environmental certification and standards development. We specialize in auditing, testing, certification, verification, life cycle assessment, training, and strategic consulting. A wide range of 17,000+ clients and 30+ years of experience. About SCS: 12,000+ Green Building products certified.
We help businesses, government and NGOs:

- Meet government regulations
- Stand out in their markets
- Demonstrate environmental and social responsibility

Areas of Expertise:

- Green Building
- Product Sustainability
- Responsible Forestry
- Food & Agriculture
- Responsible Sourcing
- Climate Strategy

What We Do
Global Reach

- SCS Headquarters
  North America
- Mexico
- Costa Rica
- Ecuador
- Brazil
- Argentina
- Netherlands
- Germany
- Ghana
- China
- India
- Indonesia
- Australia/NZ
Environmental Certification Services (ECS)
- Indoor Air Quality
- Life cycle services
- Material transparency
- Responsible Source
- Climate services
- Metals, Mining, Jewelry and Apparel
- Biofuels and bio-based products

Food & Agriculture (FA)
- Food safety training
- Organic and UTZ
- Non-GMO
- Sustainably Grown
- Pesticide Residue Free

Natural Resources (NR)
- Forest Stewardship Council (FSC®) Chain of Custody
- Forest Stewardship Council (FSC®) Responsible Forestry
- Carbon Offset Verification
- Marine Stewardship Council (MSC)
- Aquaculture Stewardship Council (ASC)

Sustainability at 3 Fronts
- Comply with green purchasing requirements
- Mitigate risk and protect your brand
- Differentiate your products with validated claims
- Demonstrate commitment to sustainability
- Access growing market of buyers and consumers who demand sustainable products
- Identify improvement areas to guide research and development

Why Third Party Certification Matters
Material Transparency Verification through HPDs, Declare, Red List Free, EPDs.

Environmental Claims Verification through VOC emissions certification for Indoor Advantage Gold, Floorscore, or Recycled Content Certification.
Thank You!

SCSGlobalServices.com

Marks and labels

Follow us on LinkedIn

Visit our blog

For More Information:
Karen Righthand
Director of Sales and Marketing
krighthand@scsglobalservices.com
(510) 452-6817 direct
scsglobalservices.com

Standards & Program Documents
Vertima

Josée Lupien

President
GREEN BUILDING & MATERIALS EXPERTS
GET YOUR PRODUCTS CERTIFIED BY A THIRD PARTY.

LEARN MORE
**SERVICES**

- Life Cycle Assessment (LCA)
- Environmental Product Declaration (EPD)
- Health Product Declaration® (HPD®)
- Declare
- Recycled Content certification
- Raw materials traceability certification
- Environmental Data Sheet

**CLIENTS**

- SOPREMA
- Oldcastle Canada
- LAMBTON Doors
- teknion
- mirage
- UNIBOARD®
Vertima’s verification process could be:

- Manufacturer Self-Prepared

- Independent, Professionally prepared
SOPRA-ISO
by Soprema

CLASSIFICATION: 37.22.16

PRODUCT DESCRIPTION: SOPRA-ISO is a polystyrene thermal insulation board used in roofing assemblies, composed of closed-cell, rigid foam core faced on both surfaces with a glass-fiber reinforced cellulose facing.

Section 1: Summary

CONTENT INVENTORY

<table>
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<tr>
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<th>Threshold Level</th>
<th>Indoor Use</th>
<th>Outdoor Use</th>
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<tr>
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</tr>
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<td></td>
<td>2400 ppm</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of production and results from hazard screening of contained chemical substances against HPC Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPC does not assess whether or not handling this product will expose individuals to substances in any toxic mix. Refer to Section 7 for further details.

INVENTORY AND SCREENING NOTES:

- SOPRA-ISO is available in various thicknesses, up to 3 inches. The percentage of foam and acrylate vary with thickness, with some having zero acrylate. The exact composition of the protective layers (not tested) was not disclosed to protocol proprietary information. Results were also given. No substance other than those disclosed in the HPC have been added to the finished product during its manufacturing. Precise or inquiries could not be conducted, because information was not provided to the manufacturer by the tax-free manufacturer.

NORDIC STRUCTURES

VERIFIED
PRODUCT CERTIFICATE
Valid from: 2017/05/24 to 2020/05/24

Vertima does hereby certify that an independent assessment has been conducted on behalf of:

SOPREMA
1688 Jean-Berchmans-Michaud
Drummondville Québec J2C 8E9, Canada

SOPRA-ISO
This product meets all the necessary qualifications to be certified for the following claims:

Verified Health Product Declaration
The certified product has a compliant HPD as per the Health Product Declaration® Open Standard Version 2.1 (2017). In accordance with requirements, a product content inventory and a hazard screening have been carried out for all substances present in the certified product above the 1,000 ppm threshold.
Consult the full report in the repository www.hpd-collaborative.org

Conforms to the Vertima’s procedure: VERT-032008-01, First Edition

Certificate # VERT-HPD-171075-06

Vertima
Josée Lupien, LEED Fellow
President of Vertima Inc.
www.vertima.ca
Third Party Verification - Manufacturer Overview
JOSÉE LUPIEN
LEED Fellow, BD+C & ID+C

President
joseelupien@vertima.ca
1 855 998-2800
Cell. 514-250-6829
vertima.ca/en
THANK YOU!

Third Party Verification - Manufacturer Overview

VERTIMA
VALIDATED ECO-DECLARATION
WAP Sustainability

William Paddock
Managing Director
Who?

What?
A sustainability resource for building product manufacturers needing help with all things LEED v4 (+ some other things).

Where?
Chattanooga & Nashville

Why?
Only third party verifier on the MR TAG, value based approach, multiple 3PV options for Manufacturers.
LEED 4.0 offers three core credit options to manufacturers to help their products comply and contribute to LEED points. WAP can help with each.

“A sustainability resource for building product manufacturers needing help with all things LEED v4”
“A sustainability resource for building product manufacturers needing help with all things LEED v4”

Specifically for MRc4, WAP Sustainability can either help you prepare your HPD, or if you already have one, Verify it.
Systems Verification Approach

CORE

OPTIONAL

1/26/18
4 of 6 3PV Declare Labels, Verified by WAP Sustainability

2 of 4 Manufacturers on the HPDC Technical Committee, Verified with WAP Sustainability
Solutions for Manufacturers

Needing a single HPD or Declare Label Third Party Verified

Many products, different disclosure formats, needing a value approach

Simple, cheap, quick review of core material health challenges and barriers to 3PV

LCAs, EPDs, GRI Reports, Exposure Assessment, C2C, NSF140, BIFMA level, Portico….
william@wapsustainability.com
(937)974-6151 (Call or Text)
Q&A

Please submit your questions via the “Questions” tab on the Webinar control panel.
Follow up Webinars Planned – Next Steps

• Each Approved Verifier will be presenting a webinar with more detail on their services
  • Dates tbd in February - May
  • You will receive email notices with the opportunity to register, when dates are announced

• For further information
  • HPDC website
  • Approved verifier websites
  • Contact information provided on slides

Please note:

• A copy of slides from this webinar will be distributed to attendees by email.

• A recording link will also be made available on the HPDC website https://www.hpd-collaborative.org/approved-third-party-verifiers/
Backup Slides
Information Requirements

• Health Product Declaration (HPD)
• Bills of materials for all intentional ingredients
  • Name: Common name or brand name
  • CAS number: Chemical Abstract Services Registration Number (CASRN), if one exists, or genus and species for bio-based ingredients
  • % weight: Fixed number or range
  • RC: Indication of whether there is any recycled content
  • Nano: Indication of whether the ingredient is a nanomaterial
  • Role: Function and/or location of the ingredient in the product
  • Manufacturer note: Explanation of reason for the lack of disclosure (where applicable)
• List of any known residual ingredients
• Purchase orders for all raw materials
• Safety Data Sheets (SDS)
• Any accessory materials or products
• Any third-party validation documents
• Additional documents and information may be requested