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It’s more important than ever to keep students, staff and the community healthy.

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After a successful 2021 Virtual Experience, ISSA Canada is looking forward to reconvene in-person on June 8 & 9, 2022, at the Metro Toronto Convention Centre in downtown Toronto for ISSA Show Canada 2022.

With the theme of “Re-Set for the New Clean,” this year’s event will focus on educating and inspiring the industry following the transformation experienced during the COVID-19 pandemic.

No longer just a sundry duty, the focus on cleaning and disinfection has transcended all industries who have the common goal of keeping facility occupants and workers in offices, industrial plants, retail facilities, schools, hospitals, long-term care homes and residential buildings SAFE. As such, ISSA Show Canada will feature keynote presentations, certification workshops, education sessions, supplier technology sessions and networking events to reinforce just that.

ISSA Show Canada is the country’s leading trade show and conference for property, facility and operations managers, and facility service providers. The unique trade show and conference creates a platform for informed insight on best practices, industry certifications and trainings, educational programming that touches upon relevant and emerging topics within the Canadian facility and cleaning markets, as well as peer-to-peer networking.

ISSA Show Canada is built on an extensive educational program, developed by committees representing all facets of the sanitary maintenance and supply industry. Beyond the show’s educational component, the event also features a large trade show floor and multiple opportunities to connect via various networking receptions.

ISSA Canada is pleased to co-locate with MediaEdge’s REMI Show 2022 and IFMA’s Global Canada Show. Designed for building owners, and property, facility and operations managers, the REMI Show provides creative ways to connect like-minded industry professionals while delivering practical and timely information focused on keeping buildings clean, green and operating in a sustainable and energy efficient manner. IFMA Global Canada is the ultimate facility management conference and expo featuring unparalleled educational offerings and FM solutions to facility management decision makers. At Global Canada, the brightest minds in the industry come together to connect, communicate and help redefine modern-day facility management.

For more information, please visit www.ISSAShowCanada.com. If you are interested in exhibiting, please contact Mike Nosko at mike@issa-canada.com.
6 Changes in LEED and the Future of Green Cleaning

By Stephen P. Ashkin

USGBC members will vote on these changes to LEED cleaning audits

The U.S. Green Building Council (USGBC) is revising its Leadership in Energy and Environmental Design (LEED) Rating System. Since 2002, the cleaning credits in LEED have served as the roadmap to a comprehensive green cleaning program, and the new revisions will continue to strengthen green building practices across North America.

USGBC members will now vote on the following six changes to LEED cleaning credits:

**Increasing the points (and value) of cleaning.** The COVID-19 pandemic taught that cleaning is an essential mitigation strategy to protect building occupant health. The LEED technical team responded by increasing the number of possible green cleaning points from one to three. More points for greener products and services will result in more demand because the focus remains on effective products and services that further reduce negative impacts on both human health and the environment.

**Using technology to measure cleaning performance.** The LEED technical committee developed a new protocol for routine measuring of surface contamination that provides objective, quantitative, reliable, repeatable and reportable results. The protocol will require verification that facilities have tested high-risk/high-use spaces, as well as the high-touch surfaces within those spaces. The protocol will also objectively identify cleaning performance and suggest corrective actions as warranted.

**Defining green disinfectants.** Clearly, disinfectants are important. All U.S. Environmental Protection Agency (EPA)-registered disinfectants have been proven efficacious against specified pathogens. However, for a disinfectant to meet the new LEED requirements, it will have to be formulated with active ingredients identified by EPA’s Design for the Environment Logo, for Antimicrobial Pesticide Products (e.g., hydrogen peroxide, citric acid, L-lactic acid, ethanol, isopropanol, and peroxyacetic acid).

**Implementing ultraviolet C (UV-C) disinfecting devices.** UV-C devices

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New Stainless Steel Alloy Kills Coronavirus Within Hours

A new form of stainless steel containing copper can kill the SARS-CoV-2 virus within hours, according to researchers in Hong Kong who developed the metal, Bloomberg reports.

The alloy can inactivate 99.75 per cent of the virus within three hours, and 99.99 per cent within six hours, according to a study published by researchers at the University of Hong Kong. The scientists are working with industrial companies to create products with the steel, including elevator buttons, doorknobs, and handrails. If tests show these steel high-touch surfaces are effective against coronavirus and affordable to create, they could significantly reduce the labour and cost of regularly disinfecting public areas such as airports, train stations, movie theatres and sports stadiums.

The antimicrobial properties of the alloy remain even if the surface is damaged. In addition to the coronavirus, the alloy is also effective at inactivating other pathogens including the H1N1 influenza A and E. coli bacteria.

**SOURCE:** CMM Online
Braving the Great Indoors

It’s more important than ever to keep students, staff, and the community healthy

As we continue to manage life alongside COVID-19, there comes a time to brave crowded indoor spaces again. For building managers and administrators in higher education, this societal re-entry to the great indoors requires careful attention to indoor air quality (IAQ).

With aging HVAC, inefficient ventilation, and even some well-meaning but ill-performing short-term fixes widely marketed to address IAQ, it seems hurdles are everywhere in the face of an airborne pathogen. Infection rates soar in closed indoor areas with insufficient ventilation, and as the virus mutates and becomes more infectious, building administrators are clamouring for better solutions.

One extreme, if common, solution deployed in higher education settings is the replacement of HVAC systems for more modern infrastructure with better air filtration. This wholesale approach to improving IAQ can be time- and resource-intensive, driving some administrators to seek smaller-scale, portable air filters to save time, resources and space.

However, not all portable filtration systems are created equal, and significant variability in IAQ can be a huge safety challenge in the age of COVID-19.

According to a survey of 500 higher education workers in the United States, no less than 78 per cent of schools upgraded their HVAC systems to improve filtration. However, only 40 per cent deployed portable HEPA filters, despite these being vastly less expensive and significantly more efficient air purifiers. Perhaps most regrettably, 14 per cent of respondents implemented ionization solutions that are under increased scrutiny from researchers for not being effective.

Though we now have accurate knowledge of how SARS-CoV-2 is transmitted, and the tools to defend against it, many universities are still struggling to determine the best course of action regarding IAQ. What is most effective, what makes the most sense for a specific space, and what can be deployed efficiently must all be balanced in the final safety equation.

IDENTIFYING RELEVANT SPECIFICATIONS

Effectiveness can be difficult to ascertain if you focus too much on marketing terms commonly deployed within the air quality product sphere. It is all too commonplace to see terms like CFM, HEPA, and 99.99 per cent in isolation, but understanding what these specifications mean...
Changes in LEED and the Future of Green Cleaning

are among some of the most exciting innovations taking place in the cleaning industry. Not only are they effective and increasingly being used in hospitals, but they also have the ability to eliminate or at least minimize some of the health and environmental concerns associated with the use of current chemical disinfectants. LEED is creating an option for these UV-C devices, which in turn could stimulate further innovations, especially in smaller hand-held devices for disinfecting surfaces, such as electronics that could be damaged by water-based disinfectants.

Considering green materials beyond recycled content. While encouraging the use of recycled materials to reduce environmental impacts, LEED revisions will include additional options and clarifications to create opportunities for innovation. For instance, they will detail an option for plastic can liners that include 30 per cent resin (by weight) made of inorganic minerals, and options for paper that include agricultural waste and rapidly renewable fibres.

Earning green building accreditation through GBAC STAR™. LEED is expanding the options to meet its Green Cleaning Prerequisite through programs such as the GBAC STAR™ Facility Accreditation from the Global Biorisk Advisory Council™ (GBAC), a Division of ISSA. GBAC has added new requirements to the accreditation to align its program elements for cleaning products and equipment with LEED.

SOURCE: CMM Online

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in context is the key to selecting the right product for the job.

The air purification industry on the whole does not make this calculation easy. Dr. Jeffrey Siegel, an engineering professor at the University of Toronto, estimates these products to be 50 to 75 per cent illegitimate. “You’re dealing with an industry that doesn’t want consumers to understand these devices and how they work,” Siegel recently warned.

Take HEPA specifications, for example. It's tempting to base a buying decision on the efficiency of the filter. However, the efficiency of the entire system will determine how well the equipment performs. To evaluate efficiency, pay attention to the Clean Air Delivery Rate (CADR), which reflects the airflow measured in cubic feet per minute (CFM) multiplied by the efficiency of the entire system.

What use is having an efficient HEPA filter specification and high CFM, if a significant percentage of the airflow is not running through the filter? If the CADR is not within one per cent of the CFM on a product's specification, beware. The solution will not deliver the expected Air Changes per Hour (ACH).

Approaching IAQ in a space-specific manner also requires savvy administrators to be wary of new technology that makes bold claims about safety yet has very little real-world evidence to back these claims up. Always prioritize solutions that have been proven to be efficient in operational conditions that mimic the exact environments in which they will be used (an office floor, a classroom, a training centre, etc.).

Another key consideration is the efficiency of the solution for your bottom line: the cost of ownership of these devices, which includes filter costs. The annual consumable replacement costs can be 50 per cent of the upfront machine cost. Many consumer-grade filters get clogged every few months and need to be replaced multiple times per year. This is not only costly but a significant maintenance headache. Driven by COVID-19, industrial specification HEPA solutions that are designed for professional workplaces are now available. These systems are 99.99 per cent efficient and require filter changes only every one to two years.

Buyer beware: Without considering effectiveness, your space needs and cost efficiency together, it’s easy to make a high-profile mistake. The disappointing recent purchase of HEPA units by NYC schools cost at least US$43 million, yielding devices that ultimately were “definitely underpowered,” in the words of Dr. Siegel.

BOTTOM LINE

Universities that have been sitting stagnant for over a year due to COVID-19 are starting to bustle again with activity. It’s more important than ever to keep students, staff, and the larger community healthy by improving IAQ in the buildings they use every day. Portable, professional-grade air cleaning systems are a powerful tool to help us achieve this, but we need to educate ourselves, and better understand whether or not these devices are truly working. Cutting through the misinformation will deliver clean and safe air, helping everyone breathe more easily.

— Paul de la Port, CEO of Omni CleanAir, has been delivering commercial-grade air purification systems to eliminate airborne illnesses in office buildings, schools, hospitals, and nuclear power plants for over 35 years.

SOURCE: RemiNetwork, Facility Cleaning & Management Magazine
Since 1908, Dustbane Products Limited has been a leading Canadian manufacturer of cleaning chemicals and equipment. As the owner since 2020, and a member of the third generation of only the third family to own the company, President Ben Merkley has successfully led his team through the first two years of the pandemic, and is positioning the company for continued growth.

Together, they are committed to building on Dustbane’s legacy and core values while setting the path forward for growth, innovation, and sustainability as a proud family-owned Canadian manufacturer for years to come.

Customers are looking to Dustbane to help them maintain clean and safe working environments while identifying creative solutions to potential barriers such as supply chain shortages; labour challenges; and the need for waste and packaging reductions. With its unique Site Survey approach and its team of experts from coast-to-coast, Dustbane works in partnership with end-users to create a customized cleaning program that is tailored specifically to meet their needs.

Since 2019, the company has specifically focused on increasing its ability to rapidly meet the evolving requirements of their customers and partners. This has included strategically increasing inventory levels to meet changing customer demands. With the COVID pandemic, customers relied on their Canadian manufacturing partners to help, stepping up and stepping in to deliver when others fell short. Additional strategies and processes developed during this challenging period mean that Dustbane is now even better positioned to respond to changing needs and conditions going forward.

The Dustbane team strongly believes that each of us can do more to positively impact people and the planet - small acts can have a big impact. As a result, their second area of focus since 2019 has been the development of a formal Sustainability and Corporate Social Responsibility plan called *Give Meaning to Your Cleaning™*. With its four pillars, the program supports the triple bottom line approach needed for long-
The Benefits Keep Growing

ISSA Canada Partners with Merchant 1 Payments

ISSA Canada, a Division of ISSA – the worldwide cleaning industry association, is excited to announce that Canadian membership benefits are once again growing with the addition of a new affinity partner, Merchant 1 Payments.

“ISSA Canada is making great strides in implementing new, meaningful benefits for our Canadian membership,” said ISSA Canada Executive Director Mike Nosko. “With Merchant 1 Payments’ expertise in electronic payment processing, we feel this new benefit will be advantageous to members in all market segments.”

Merchant 1 Payments, a 100 per cent Canadian owned and operated company, understands that transactions are the life blood of any business. The company’s mission is to use cutting edge technology to provide customers with the most cost-effective method to process credit and debit card purchases in order to increase profitability.

“Merchant 1 Payments provides the technologies and services that your business needs to fully and effectively monetize your customer relationships,” said Merchant 1 Payments Senior Sales Executive, Robert Bauco. “Businesses within the sanitary supply and maintenance industry all have unique needs when it comes to payment processing. Merchant 1 Payments is looking forward to working with ISSA Canada members to provide the best solutions for their debit and credit card processing requirements.”

To access this newest Canadian member benefit, please log-in to your myISSA account.

The Benefits Keep Growing

ISSA Canada Partners with Merchant 1 Payments

term business success – people, planet, and profit.

(1) Buy One, We Plant One Program. For every jug of Ecologo hard surface cleaners purchased, Dustbane will plant one tree. As of December 2021, over 250,000 trees have been planted. The company is now well on its way to meeting the goal of planting one million trees by 2025.

(2) Environmental Sustainability. Throughout its chemical line-up, Dustbane product dilution rates are greater than most of their competitors. Dilution matters! For customers, this can mean almost 50 per cent less cost in use, 50 per cent less waste and packaging, and reduced emissions from transportation. Many of the company’s products – such as its signature Dustbane sweeping compound – are packaged using recycled, single-use plastics. There is also a focus on increasing the use of environmentally sustainable raw materials and packaging throughout the product line-up.

(3) Acts of Kindness. Small acts can really have an impact on bettering the lives of others. Dustbane works year-round with its distribution partners to be hands on and give back to people in need in communities across Canada. Check out the link at Give Meaning to Your Cleaning to learn more.

(4) Industry leadership. Dustbane team members can often be found hosting or participating on industry panels. Knowledge-sharing and supporting collective discussions brings value to partners and customers, while also ensuring that Dustbane remains at the forefront of industry trends with regular access to direct customer and partner feedback.

Through the pandemic and beyond, customers are looking for support, guidance and solutions from a trusted source. As we move forward through these rapidly changing times, the Dustbane team is here to provide innovative and complete cleaning solutions to Canadians by Canadians. Click here to discover all that Dustbane has to offer.
What does clean really smell like? This is a question that many cleaning professionals have strong opinions on and their answers can vary greatly. Some think it’s the scent of fragrance in cleaning products while others think that the absence of odor is all you need. Whatever your answer to this question, there is one thing we can all agree on – malodor will do major damage to your business. One of the first things most occupants will notice when they enter a building is the smell. If there is an odor, that is not going to cut it. But you might be surprised to learn that a fragrance isn’t going to work either.

The real answer to the question – “What does clean smell like?” – is nothing. Clean smells like nothing. A nice, fresh nothing. Here’s how you can get there.

THE BASICS OF ODOR MANAGEMENT

Odor management must be a part of any cleaning SOP, and should be managed just like a carpet care, floor care or restroom program. The main principle of odor management is going to the source of an odor and removing it. Every foul odor has a source. Some of the common sources of foul odors include:
- HVAC systems
- Organic matter
- Moisture
- Drains
- Bacteria
- Tobacco smoke

If a source is not easily removed, odor may be managed in one of the following three ways.

Fragrance Masks: The traditional way of odor control is to mask the malodor with a fragrance. You know the drill. Smell something bad? Grab an aerosol can and spray, or plug in an air freshener. This method is not recommended. Not only is it a temporary fix that won’t ultimately manage the odor, but it’s also unhealthy for your building occupants. In recent years, fragrances in products have been associated with adverse effects on air quality and health. As we learn more about indoor air quality and focus on employee wellness, we need to move away from fragrances.

Odor Counteractants: An odor counteractant instantly neutralizes malodor through a chemical reaction that breaks down the molecules that comprise the source of the odor. This is different from a fragrance masker because it can actually eliminate the source of an odor, rather than just temporarily masking it. For this reason, it is a more preferable choice. An odor counteractant can be used as a spray that goes directly on a fabric or upholstery, or it can be added to a carpet extraction or auto scrubbing solution.

Bio Enzymatic Treatment: A bio enzymatic treatment will digest and eliminate the source of an odor using a natural process. These products are especially effective when used with organic matter in drains, grease traps and urinals, or in grout or carpet. They work through a process referred to as bacterial digestion. They can be a safer alternative to odor counteractants because the active ingre-
dient in these products is a non-pathogenic bacteria. The bacteria produces the enzymes that digest the odor-causing pathogens. It’s a natural, biological reaction.

**TIPS FOR CHOOSING ODOR MANAGEMENT PRODUCTS**

While we outlined some safer options for odor management products here, not all products are created equal. The following tips can help you make a purchasing decision for your odor management products that are safer and healthier:

- Find a product that is EcoLogo certified. This third-party certification shows that a product has been tested for safety and efficacy. You can find EcoLogo certified products here.
- Never apply too much of your odor management product.
- Follow the instructions on your SDS or product label, and pay attention to your dilution ratios. Some of these products are highly concentrated, so read the label and follow it.

What was once considered “odor control” is now referred to as “odor management,” and that change in nomenclature is significant. This indicates a shift in approach from masking or covering up an odor toward identifying and removing the source of an odor. The second approach is healthier, more economical, safer and permanent. When you are able to safely eliminate the source of an odor, you wind up with that fresh, clean smell of nothing.

**SOURCE:** Charlotte Products Blog

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**FOCUS ON IAQ**

A new, unique educational partnership between GBAC and Allergy Standards Limited (ASL) will benefit both organizations, their members and, most importantly, the communities they serve. This exciting collaboration was recently announced during the ISSA Show North America 2021.

“Allergy Standards Limited is delighted to announce its partnership with ISSA’s Global Biorisk Advisory Council,” said Dr. John McKeon, Chief Executive Officer, ASL. “This is a unique collaboration to empower and educate people across the globe on the urgent issue of health in the indoor environment, and how it impacts on well-being.”

“The partnership is really exciting because ASL sees that the GBAC Facility Accreditation is very important for them as well,” said Patty Olinger, Executive Director, GBAC. “We’re both trying to create healthy environments and recognize the importance of indoor air quality. We’re taking separate paths but we’re coming together at the same spot in that we want healthy indoor air environments for our homes, organizations and businesses.”

Based in Dublin, Ireland, ASL is an independent, international certification company that creates meaningful scientific standards for testing a wide range of products and services to determine their impact on improving indoor air quality, with a particular focus on those with asthma and allergic sensitivities. Products undergo laboratory testing to ensure they reduce allergen exposure and limit pollutants in the air. Only those products that meet the efficacy and safety performance criteria are awarded the certification mark.

Over the past 20 years, ASL has been testing and certifying best-in-class products and services for every room in a home, office, hotel or school to enable people to create healthier indoor environments. The organization’s medical and scientific knowledge and expertise is unique, and has been made accessible through online educational courses. ASL, through the ASL Academy, runs a variety of learning and development programs, providing education and actionable solutions to optimize the indoor environment, and improve health and wellness.

“By partnering with GBAC, we are able to bring our educational programs to
4 Tips for Winterizing Your Facility

How to prepare your building for cold weather maintenance challenges

By Susan Scapparone

Winter is now upon us, bringing its mix of harsh conditions and cleaning challenges. Whether you work in an area with traditionally cold or normally mild winters, you never know when an extreme, unexpected weather event can create disruption. Now is the time to properly prepare. With the right preventative measures and daily care, facility managers can protect their buildings and keep occupants safe throughout the season.

As occupants enter and exit your building over the next few months, here are four tips to ensure a safe winter:

1. Reseal hard floors – Before winter rears its ugly head, check for adequate finish on your floors. If the finish is worn, reseal the floor before winter arrives. Floor finish protects hard floors against rain, snow, salt and dirt. However, colder temperatures can negatively affect how the finish dries, leading to cracking and peeling. If your region is already experiencing heavier moisture conditions, scrubbing and recoating is the next best option. Applying an early protective coat will help avoid deep stains in your floor finish and prevent the need to strip and refinish floors more frequently.

2. Implement an entrance mat system – After properly preparing your floors or carpeted areas, you’ll need the right entryway matting system to protect them from rain, mud, snow and dirt. Industry-recognized data shows 80 per cent of soil, dust and wintertime contaminants within a facility come in through the door on the shoes of visitors and building occupants. An effective entryway matting system can remove as much as 90 per cent of soils from shoes. Quality commercial floor mats are designed to remove and contain water and moisture, and should not only have a water dam border but also a vinyl or rubber backing to help contain soils, and prevent slips and falls.

It’s recommended that matting systems have 15 feet of lead way outside your building as well as inside, before occupants reach your facility’s carpeted or hard floor.

• Place scraper mats on the outside entryway to remove debris, liquids or moisture from shoes.
• Place wiper mats just inside the doorway to clean shoe bottoms by removing soil as well as any remaining moisture.

3. Use floor neutralizer to protect and remove ice melt residue – Even the best matting systems on the market can’t capture every bit of moisture and dirt. Winter ice melt residue tracked in on shoes can damage floors and also leave unsightly white salt residue marks throughout your building. Trying to remove the marks with regular cleaners can do even more damage. To remove ice melt residue, it’s recommended use a floor neutralizer designed to prevent and remove the residue. This product will not damage your floor, protect against further damage and will help prevent future issues.

4. Supply dehumidifiers – High temperatures and high indoor moisture can create ideal conditions for mold and mildew growth. Use a dehumidifier to keep indoor moisture levels within safe limits and prevent mold and mildew growth.

By taking the time to properly prepare your building for the winter season, you can ensure a safe, comfortable environment for all occupants.
melt residue correctly, use floor neutralizers that are specially
designed to dissolve ice melt, dirt and water film. For best
results, apply the floor neutralizer to a mop and apply to the
floor, or use an automatic floor scrubber.

(4) **Evaluate building lighting** – It’s much easier to in-
stall new outdoor lighting or make changes to your building’s
existing lighting fixtures during good weather. Autumn is a
great time to consider upgrades such as LED lights. LED
technology is not affected by cold temperatures so it offers
dependable and sufficient illumination through the darker
winter months. LED lights are also extremely energy effi-
cient, and have lower maintenance and replacement costs.

Facility maintenance is a year-round task with each season
bringing its own challenges. There’s no question facility manag-
ners often cite winter as the most stressful time of year due to
harsh weather conditions, fewer hours of sunlight, and more
dirt and grime tracked into buildings. But no matter where you
work, following these simple tips should give you peace of
mind, help protect your building, and keep your occupants
and guests safe from slips, trips, and falls this winter.

— Susan Scapparone has been in product management at STAPLES
for 10 years and is director of product management for the Facilities cat-
egory. In her day-to-day role, she leads a cross-functional team responsi-
ble for launching new chemical solutions and cleaning tools. Scapparone
also played a key role introducing the Coastwide Professional™ J-Series
line of paper and soap dispensers, and refills for the modern restroom.

SOURCE: CMM Online