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Winter 2016 News

The holiday season is a time of joy, but it also generates an astonishing amount of waste.

According to the Centers for Disease Control and Prevention (CDC) from Thanksgiving to New Year's Day, household waste increases by more than 25 %!

However, by adopting sustainable practices, people can revel in the spirit while simultaneously reducing their environmental impact. The more people who participate in these energy and resource saving activities, the greater effect they will have on our planet. A sustainable planet will result in better health and longer lives for the people and animals that live on it.

Tips for a *green* holiday:

- ◆ Decorate with items that are energy-efficient and durable—If you decorate with a holiday tree, make the most energy efficient choice.
- ◆ Use fewer resources when you shop, give presents, and wrap gifts—Shop online, take your own bags shopping.
- ◆ Give cards that are eco friendly—send email cards or make your own.
- ◆ Eat sustainable food and avoid disposable containers and extra packaging— Buy snacks and beverages in bulk to avoid extra packaging, Serve food with washable utensils, plates, and glasses, rather than disposable items.

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If every American family wrapped 3 presents in reused materials, it would save enough paper to cover 45,000 football fields! (CDC)

Why not choose a few of these ideas to incorporate into your holiday celebration? Not only will you contribute to sustainability and health, but chances are you will also simplify your life. And you may even get more of what we all need at this time of the year—time to enjoy family and friends and to focus on the joys of the season.

For more information about how to have a green holiday visit the [CDC website](http://www.cdc.gov).

Happy Holidays

President's Corner

Dear fellow EMA members and partners,

As we embark 2017 we find us in a much better position. We have a very efficient and professional Director, Lauren Marosi, a couple of new board members, Wendy Montowski of Pros Environmental, and Bryon Lawrence of the MPS Group. The help in addition to our existing team will assist us in improving the deliverables to all our membership!

During this year there will be opportunity to be involved in events like the Inauguration, Science Fair judging, the Awards Banquet, and the Golf Outing. I look forward to seeing all of you throughout the year. It is a pleasure to be back on the board and if I can be of any service please let me know. Let's make 2017 a great year.

Larry Russette

OSHA Crystalline Silica Rule

2016 EMA MEMBER SPOTLIGHTS

- Advanced Disposal Services
- Advanced Underground Inspection, LLC
- Anderson, Ekstein & Westrick, Inc.
- Bio-Chem Laboratories, Inc.
- Civil & Environmental Consultants, Inc.
- Environmental Recycling Group
- Envirosolids, LLC
- Fairway Environmental
- Goodwill Greenworks
- H.M. Environmental Services, Inc.
- Hydrochem
- ITC Holdings Corp
- K2 - KM Plant Services
- M.L. Chartier, Inc.
- Marine Pollution Control Corp.
- Midwest Analytical Services
- MLA Consultants, LLC
- MPS Group, Inc.
- National Industrial Maintenance
- PPG Industries, Inc.
- PROS Services, Inc.
- Pros Environmental
- Schultz Inc.
- Synergy Environmental Waste Services
- Usher Oil Company
- Vesco Oil Corporation
- VMX International, LLC
- Zervos Insurance Group

OSHA is issuing two standards to protect workers from exposure to respirable crystalline silica—one for construction, and the other for general industry and maritime—in order to allow employers to provide solutions to the specific conditions in their workplaces.

About two million construction workers are exposed to respirable crystalline silica in over 600,000 workplaces. OSHA estimates that more than 840,000 of these workers are exposed to silica levels that exceed the new permissible exposure limit (PEL). Exposure to respirable crystalline silica can cause silicosis, lung cancer, other respiratory diseases, and kidney disease. OSHA estimates that the rule will save over 600 lives and prevent more than 900 new cases of silicosis each year, once its effects are fully realized.

The new action level is 25 µg/m³ (micrograms of silica per cubic meter of air), averaged over an 8-hour day. The new PEL is 50 µg/m³, averaged over an 8-hour day. Both standards require employers to limit worker exposures to respirable crystalline silica and to take other steps to protect workers.

Exposure can occur during common construction tasks such as using masonry saws, grinders, drills, jackhammers and handheld powered



Without dust controls, using a handheld power saw to cut concrete can expose workers to high levels of respirable crystalline silica.

chipping tools; operating vehicle-mounted drilling rigs; milling; operating crushing machines; and using heavy equipment for demolition or certain other tasks.

Construction employers must comply with all requirements of the standard by June 23, 2017 (with some exceptions) General industry and maritime employers must comply with all requirements of the standard by June 23, 2018 (with some exceptions)

Additional information on OSHA’s silica rule can be found at www.osha.gov/silica.

Number of Workers Exposed to Respirable Crystalline Silica in Selected General Industry/ Maritime Sectors		
Industry sector	Workers currently exposed	Workers currently exposed above the new PEL
Asphalt Roofing Materials	3,158	1,410
Concrete Products	32,981	9,391
Cut Stone	9,429	5,243
Dental Laboratories	31,105	864
Foundries	34,591	12,173
Jewelry	6,772	2,434
Porcelain Enameling	4,113	1,654
Pottery	6,269	2,496
Railroads	16,895	5,340
Ready-Mix Concrete	27,123	19,941
Shipyards	3,038	2,228
Structural Clay Products	7,893	3,198
Support Activities for Oil and Gas Operations	16,960	11,207

RECRUIT A MEMBER GET A BREAK IN DUES

If you know someone who would make a great member of the Environmental Management Association, here’s a little incentive: Save a few bucks on your dues. Members who recruit new members will receive a \$ 50 discount on their next year’s membership after the prospective member has been admitted to the association. So, look for people to help build our network of environmental professionals.

EMA Winter 2016

2016 Golf Outing

Thank you to all that attended or participated in the 20th annual EMA Golf Outing. The annual outing benefits the Detroit Science Fair Student Scholarship program. This year's event took place at the beautiful Dearborn Country Club on Tuesday August 9th.

While the weather was a bit on the hot side, fun appeared to be had by all. I would like to thank all of the volunteers and sponsors who helped make the outing a success!

This year the EMA honored the winners of the Detroit Science Fair Student Scholarship Program during the banquet following the outing. Presenting the students with their awards highlighted the significance and value of this wonderful event!

Congratulations again to the winning team Advanced Disposal Services!

The funds raised at this year's outing will be utilized to help the EMA continue to sponsor College Scholarships, Environmental related events, and improve services to our loyal members.



EMA Golf Outing

Thank You 2016 Sponsors

Lunch Sponsor

Advanced Disposal Services

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JACK DOHENY SUPPLIES, INC.

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MARINE POLLUTION CONTROL

MARVELOUS PROMOTIONS

MIDWEST ANALYTICAL SERVICES

ML CHARTIER

NATIONAL INDUSTRIAL MAINTENANCE

PENN TOOL

PPG

RAIN FOR RENT

REPUBLIC SERVICES, INC.

SCHULTZ

SOURCEHUB LLC

VMX INTERNATIONAL

ZERVOS GROUP, INC

Upcoming Events

Membership & Directors Meeting—January 12, 2017

2017 Inauguration—February 2, 2017

(See our website for additional details about upcoming events)

<http://emaweb.org/events/>

2016 Metro Detroit Science and Engineering Fair Judging

Members of the Board of Directors of the Environmental Management Association participated in the judging of various environmentally related projects at the 2016 Metro Detroit Science and Engineering Fair held at Cobo Hall in Detroit on March 9, 2016. The Fair is held every year to highlight the science projects of junior high school and high school students throughout the Metro Detroit area. Board members on the judging team included Sal Wilson (Schultz, Inc.), myself (Mike Albu, Xperiential Laboratories), Joe Zehetmair (PPG Industries, Inc.), and Shannon Geiger (Marine Pollution Control). Judging was conducted to select three student winners of the Environmental Management Association's student scholarships to be presented later in the year.

Projects were presented in the areas of Biochemistry, Biomedical & Health Sciences, Cellular & Molecu-

lar Biology, Earth & Environmental Sciences, Energy (Chemical & Physical), and Environmental Engineering to name a few. The quality of most of the projects was quite high and appeared to be the work of college students rather than that of junior high and high school students.

This was the 59th Science and Engineering Fair of Metropolitan Detroit (SEFMD) and 1,149 students from 110 schools in Wayne, Oakland and Macomb counties competed at SEFMD, one of the longest running and largest science fairs in the world. The Senior Grand Award winners will compete at the state Science Fair on Saturday, April 9 at Kettering University in Flint, and at the International Science Fair May 8-13 in Phoenix, Arizona.

The winners that were selected by the EMA includ-

ed Award 1 to Darrell Tubbs from Cass Technical High School for his project "Investigation of Nanoparticle Size to Optimize SERS Substrates for Aerosol Par", Award 2 to Saranya Nistala from Novi Senior High School for the project "Oil Spills: Economic and Earth-friendly Solutions", and Award 3 to Abhay Pahlaria from Detroit Country Day Upper for "Effect of Varying Concentration of Azadirachtin (Neem Oil) on Dreissena Polymorph". It was extremely difficult to decide on the winning projects due to the high level of those submitted.

Scholarships of \$1,000 for Award 1, \$500 for Award 2, and \$250 for Award 3 were presented to the students along with their par-

ents and teachers at our annual golf outing at the Dearborn Country Club in August of this year. The teachers of these students are also presented with a special Teacher's Award to recognize their mentoring efforts and encouragement of the student participants.

The Environmental Management Association is pleased to lend our support to such a worthwhile cause in encouraging Metro Detroit area students to exercise their STEM skills honed at the various junior high and high schools in our area and to actually present their work to the various judging agencies and groups that participated.

-Mike Albu

Have feedback or something to share in a future newsletter?

Submit articles to Lauren Marosi at :

emadirector@gmail.com

We love hearing from our members! Send us a quick message about your business, a member spotlight, or an article with potential environmental impact.



The purpose of EMA is to establish and maintain an active information exchange between government and industry professionals involved with environmental management to arrive at solutions to environmental issues within a framework of ethics appropriate to the environmental field. The EMA believes in and supports the application of integrity, commonsense, sound sciences and fiscal responsibility in all matters affecting the environment.