

The New Jersey WasteWise Business Network

November 10, 2015

To: Members and Prospective Members of the
New Jersey WasteWise Business Network

From: Steven Rinaldi, Chair
New Jersey WasteWise Business Network
NJDEP, Bureau of Energy and Sustainability

Subject: Minutes from the Network meeting of November 5, 2015

Minutes:

Welcome –Network Chair Steve Rinaldi (Steven.Rinaldi@dep.nj.gov) welcomed everyone and mentioned that there were 122 people registered for the meeting. Steve explained that the New Jersey WasteWise Business Network is the New Jersey chapter of the USEPA’s national WasteWise program, which is a program designed to help businesses and other organizations learn how waste reduction, recycling and recycled product procurement not only help the environment, but also their bottom line. Steve also mentioned that there are now 339 businesses and organizations listed as members of the New Jersey WasteWise Business Network with 422 representatives from these businesses and organizations on the Network roster. The recent reorganization of the NJDEP was also discussed and in particular the merging of the Recycling Office with the Sustainability and Green Energy Office into a new Bureau of Energy and Sustainability that is headed by Sarah Gentile. Steve further explained that Guy Watson’s office in the Division of Solid and Hazardous Waste will continue handling permitting for Class B, C and D facilities, e-waste and the recycling tonnage grant program.

Center Stage With the Association of New Jersey Recyclers – Ron Hutchinson, Vice President of Development, Association of New Jersey Recyclers, pulsesafety@optonline.net – Mr. Hutchinson introduced the audience to the Association of New Jersey Recyclers (ANJR), which is our state’s non-profit, non-partisan recycling advocacy group. ANJR’s mission is to serve as the voice of recycling in New Jersey through education, advocacy, and the promotion of professional standards. Mr. Hutchinson discussed many of the initiatives undertaken by ANJR, as well as several of the major events held by the organization each year. ANJR has a number of different levels of membership and is an organization that welcomes both public and private sector members. (The ANJR Membership Application is attached and is also available at www.anjr.com).

2015 New Jersey Sustainable State of the State Report (with Spotlight on Waste Management Issues) - Randy Solomon, Co-Director, Sustainable Jersey and Gary Sondermeyer, Chair, Sustainable Jersey Waste Management Task Force and Bayshore

Recycling, solomonr@tcnj.edu and GSondermeyer@bayshorerecycling.com – Mr. Solomon began with an introduction to the Sustainable Jersey program, which began in 2009. Sustainable Jersey is a nonprofit organization that provides tools, training and financial incentives to support communities as they pursue sustainability programs. Mr. Solomon also explained the Sustainable Jersey certification program, which is a prestigious designation for municipal governments in New Jersey. Municipalities that achieve the certification are considered by their peers, by state government and by the experts and civic organizations in New Jersey, to be leaders in sustainability. The certification is a rigorous and meaningful designation. All actions taken by municipalities to score points toward certification must be accompanied by documentary evidence and is reviewed. The certification is free and completely voluntary. Mr. Solomon then discussed the 2015 Sustainable State of the State Report that his organization released earlier this year. The report defines Sustainable Jersey's vision for the future for all sectors of the state. The report utilizes numerous indicators to help track the state's progress toward becoming a sustainable state and lays the groundwork for the development of a Sustainable Jersey Gold certification level. For further information about Sustainable Jersey, visit www.sustainablejersey.com. The 2015 Sustainable State of the State report can be found at http://www.sustainablejersey.com/fileadmin/media/Events_and_Trainings/Sustainability_Summit/Summit_Executive_Summary.pdf. (PowerPoint to be available at www.anjr.com)

Mr. Sondermeyer of Bayshore Recycling is the Chair of the Sustainable Jersey Waste Management Committee and spoke about getting to the gold standard in materials management. It was noted that the waste management category is the most heavily used Action Area in the Sustainable Jersey program. There are currently 18 source reduction and recycling actions in the program with 6 additional actions under development and review. Mr. Sondermeyer also discussed some of the key waste management indicators used in the Sustainable State of the State Report, as well as the future steps to consider as a Gold Level certification is developed. (PowerPoint to be available at www.anjr.com)

Metal, Glass and Plastics Recycling Markets Update – Maite Quinn, Director, Sims Municipal Recycling, Maite.Quinn@simsmm.com – Ms. Quinn first provided background information about her company's recycling operations, including the operation of its recyclable materials processing center in Jersey City. She then showed a short video about the workings of such facilities. Ms. Quinn next discussed the plastics recycling markets, which are thriving in the United States, but currently experiencing low market prices due to low worldwide oil prices and an oversupply of material. She indicated that ten years ago, 50% of Sims' plastics markets were overseas, while today they sell 95% of their recyclable plastics to domestic markets. The Used Beverage Container (UBCs), aluminum can and recycled glass markets were also addressed by Ms. Quinn. While material continues to move to market, the UBC market and aluminum market have declined in price over the past year. Glass markets have been relatively stable over the past several years although there is little economic value in glass recycling since so much of the incoming material is broken in the collection and transportation process, which in turn results in greater quantities of low-value mixed color glass. Recyclable flint (clear) glass continues to have a positive value, but there is only one glass plant remaining in New Jersey. Brown and green glass are marketed by Sims as sub-base aggregate for construction, but do not generate revenue for the company. Ms. Quinn concluded by reminding attendees that recyclable commodity prices fluctuate just as the commodity prices of other goods fluctuate. This is the

normal working of the free market system. As such, based upon historical trends, recyclable commodity prices will rise again as the market corrects itself over time. Ms. Quinn indicated that her company is committed to recycling in the long term and will continue to concentrate on expanding its markets and looking for more value in the waste stream. (PowerPoint to be available at www.anjr.com)

Illegal Dumping and the Barnegat Bay Blitz Cleanup Program – Katie Barnett, NJDEP, Division of Water Monitoring and Standards and Artie Zanfini, NJDEP, Compliance and Enforcement, Katie.Barnett@dep.nj.gov and Arthur.Zanfini@dep.nj.gov – Ms. Barnett and Mr. Zanfini discussed the Department's efforts to combat illegal dumping on State open space properties. There is not enough enforcement staff available for this effort, so Ms. Barnett and Mr. Zanfini have concentrated on deterrence, i.e., programs that will change the mindset of those who think that no one is watching state lands and that they won't get caught illegally dumping on said lands. As such, a limited number of surveillance video cameras have been installed in parks, educational programs have been implemented ("Don't Waste Our Open Space!"), and those that are caught illegally dumping are identified in press releases and on a violations website operated by the NJDEP. In addition, the Department has entered into partnerships with municipalities that are also focused on this issue. Ms. Barnett and Mr. Zanfini also indicated that numerous cleanup initiatives have been undertaken, including the Barnegat Bay Blitz, which focuses on cleaning up debris and litter in the Barnegat Bay watershed. This event is open to all. As such, businesses and organizations can not only sponsor the cleanup program, but can also send staff to the event to serve as clean-up volunteers. Ms. Barnett mentioned that illegal dumping of scrap tires is a particularly significant problem that has been encountered at these cleanup events. While the date of the next Barnegat Bay Blitz has not yet been set, please visit <http://www.nj.gov/dep/barnegatbay/bbblitz.htm> to learn more about this program. (PowerPoint to be available at www.anjr.com)

Case Study – DSM Nutritional Products, LLC...Recycling Bottles and Cans to BioSolids and a Whole Lot More! – Andrew Tynan, Manager, Safety Health & Environment, DSM Nutritional Products, LLC, Andrew.Tynan@DSM.COM – Mr. Tynan provided background information on DSM Nutritional Products and then discussed the company's various sustainability programs in the areas of waste management, air and energy, and water. In regard to the more traditional recyclable materials, DSM recycles paper, cardboard, commingled bottles and cans, used oil, batteries, drums, wood pallets and metals. Mr. Tynan indicated that the company also recycles 100% of its wastewater treatment facility sludge. This latter program keeps 6,200 tons of biosolids out of the waste stream annually. DSM's total recycling/reuse rate is 92%. Other notable programs include an initiative to reduce the company's generation of a hazardous waste solvent and a program to recycle unneeded food grade raw materials into animal feed. Mr. Tynan addressed the cost-benefit aspects of these efforts in his presentation and showed how the vast majority of these programs save the company money. The installation of both a combined heat and power unit and a solar field for renewable energy are just two of the company's sustainability programs that focus on air and energy. Mr. Tynan also stated that DSM has been studying water reuse in order to reduce the company's water consumption. In addition, Mr. Tynan stated that it takes everyone to make all of these environmental programs work effectively. Furthermore, while Mr. Tynan noted that there were obstacles along the way, the company overcame these obstacles and continues to educate its staff about the company's

environmental initiatives. Specific strategies that were used to overcome the obstacles faced were provided by Mr. Tynan. Lastly, Mr. Tynan mentioned the awards that DSM has garnered as a result of the above referenced programs, including the 2014 Governor's Environmental Excellence Award. (PowerPoint to be available at www.anjr.com)

The following is the registration list for the 11/5/15 meeting:

Speakers:

Steve Rinaldi, NJDEP, Bureau of Energy and Sustainability, Steven.Rinaldi@dep.nj.gov
Ron Hutchinson, Association of New Jersey Recyclers, pulsesafety@optonline.net
Randy Solomon, Sustainable Jersey, solomonr@tcnj.edu
Gary Sondermeyer, Bayshore Recycling/Sustainable Jersey,
GSondermeyer@bayshorerecycling.com
Maite Quinn, Simms Metal Management, Maite.Quinn@simsmm.com
Katie Barnett, NJDEP, Division of Water Monitoring and Standards, Katie.Barnett@dep.nj.gov
Andrew Tynan, DSM Nutritional Products, LLC, Andrew.Tynan@DSM.COM

Attendees:

John E. Adams, Chempharma, john.adams.7490@gmail.com
MaryAnn Sorensen Aliche, PhD, Rutgers Center for Green Building, maryannsa@optonline.net
Alejandro Alvarado, Morton Salt, AAlvarado@mortonsalt.com
Eric Babek, New Jersey Turnpike Authority, babek@turnpike.state.nj.us
Ryan Bakley, Chargepoint, ryan.bakley@chargepoint.com
Christopher Ball, Manko, Gold, Katcher & Fox, LLP, cball@mankogold.com
Matthew Bellifemine, New Jersey American Water, Matthew.Bellifemine@amwater.com
Ron Berenato, Atlantic County Utilities Authority, rberenato@acua.com
Angela Bonanno-Lynch, Bergen County Utilities Authority, abonanno-lynch@bcua.org
E. Wayne Bryant Jr., Atlantic County Utilities Authority, wbryant@acua.com
Jeffery Bryk, Republic Services, JBryk@republicservices.com
David Burch, AtlantiCare, David.Burch@atlanticare.org
R. Mike Burton, Atlantic County Utilities Authority, mburton@acua.com
Victor M. Canning, Township of Montville, VCanning@montvillenj.org
Paul Cascais, City of Summit, PCascais@cityofsummit.org
Kristi Conover, Pfizer, Inc., Kristin.g.conover@pfizer.com
Steve Cook, Elizabethtown Gas, scook@aglresources.com
Lauren Cranmer, Becton, Dickinson and Company, lauren_cranmer@bd.com
Phil Crincoli, Veritiv Corporation, philcrincoli@icloud.com
Linda S. Crumbock, Cape May County Municipal Utilities Authority,
CrumbockLS@cmcmua.com
Raymond Cywinski, United Water, Ray.Cywinski@UnitedWater.com
Anastasia DeFlumeri, Stericycle, Anastasia.DeFlumeri@Stericycle.com
Paul DeGiulio, Veolia ES, LLC, Paul.DeGiulio@veoliaes.com
Nancy Dennion, Burlington Stores, Inc., Nancy.Dennion@burlingtonstores.com
Robert Doyle, Cartridge World USA, bdoyle@cartridgeworldusa.com

Al Du Bois, City of Clifton, adubois@cliftonnj.org
Tony Esposito, Accutest Laboratories, TonyE@accutest.com
Aleta Finney, Atlantic City Electric (Pepco Holdings, Inc.), alfinney@pepcoholdings.com
Sondra Flite, NJDEP, Bureau of Energy and Sustainability, Sondra.Flite@dep.nj.gov
Kevin F. Garvey, William Paterson University, GARVEYK@wpunj.edu
David Gavura, McCarter & English, LLP, dgavura@mccarter.com
JoAnn Gemenden, Union County Recycling Office, jgemenden@ucnj.org
Sarah Gentile, NJDEP, Bureau of Energy and Sustainability, Sarah.Gentile@dep.nj.gov
William Gischlar, Firmenich, William.GISCHLAR@firmenich.com
Lorraine Graves, USEPA, Region 2, Graves, Lorraine Graves.Lorraine@epa.gov
Rich Green, Cytec Industries, Inc., Rich.Green@cytec.com
Michael Halady, SBM Management Services, mhalady@sbmcorp.com
Lisa Hamilton, NJ Natural Gas Company, LHamilton@NJNG.com
Bill Havel, Alcatel-Lucent, william.havel@alcatel-lucent.com
Sherry Hawkins, Mannington Mills, Inc., sherry_hawkins@mannington.com
Erin Hill, NJDEP, Bureau of Energy and Sustainability, Erin.Hill@dep.nj.gov
Frank Jankoski, Corp. Environmental Services, Inc., Frank@ces-ehs.com
Penny Jones, Morris Plains Recycling Committee, pennyrecycling@gmail.com
Lance Kaufmann, Lower Alloways Creek Township, records-lac@comcast.net
Margaret Kevin-King, Princeton Plasma Physics Lab, mking@pppl.gov
Sonya Kougasian, Earth Friendly Products, skougasian@ecos.com
Nancy Krauss, Township of North Brunswick, Nkrauss@northbrunswicknj.gov
Marie Kruzan, Association of New Jersey Recyclers, anjr@optimum.net
Ernest J. Kuhlwein Jr., Ocean County Department of Solid Waste Management, EKuhlwein@co.ocean.nj.us
Roberta Lang, New Jersey Department of Agriculture, Roberta.Lang@ag.nj.gov
Alberto Larotonda, TreasureCircle.com, a.larotonda@pollytix.org
Mike Latronica, Harris Corp., mlatroni@harris.com
Dana Lawson, NJDEP, Bureau of Recycling and Hazardous Waste Management, Dana.Lawson@dep.nj.gov
Kimberly Lehmann, Panasonic, kimberly.lehmann@us.panasonic.com
Andy Levering, Package Materials Corp., alevering@pmcsales.com
Pam Lewis, Educator and Rutgers Certified Recycling and Environmental Steward, pammylew@gmail.com
Jill Lipoti, Ph.D., enviroCOP, LLC, jill.lipoti@verizon.net
Clare Lumkong, Bristol-Myers Squibb, Clare.Lumkong@bms.com
Johanna Luttrell, Village of Ridgewood, jluttrell@ridgewoodnj.net
Russell Martin, Fairview Borough, russsty@verizon.net
Dave Matthews, Bristol-Myers Squibb, Co., dave.matthews@bms.com
Tom McGeachen Sustainability Consultant, PE, LEED AP O&M, tjm35@njit.edu
Samantha A. McGraw, Sustainable Jersey, mcgraws@tcnj.edu
Doug McLaughlin, AtlantiCare, Douglas.McLaughlin@atlanticare.org
Sean McLaughlin, Ocean County Department of Solid Waste Management, SMcLaughlin@co.ocean.nj.us
Joe McNellis, Waste Management, jmcnelli@wm.com
Kelly A. Menzel, Clean Venture Cycle Chem, kmenzel@cyclechem.com

Leanna Meyer, Princeton Plasma Physics Lab, lmeyer@pppl.com
Vincent Mignone, Ethicon, Inc., VMignone@its.jnj.com
Deanna Miller, Middlesex County Division of Solid Waste Mgt.,
deanna.miller@co.middlesex.nj.us
Edward Monroe, Village of Ridgefield Park, rdpw570@embarqmail.com
Tony Mrozak, Mrozak Group, tmrozak@mrozakgroup.com
Kathleen Musante-Cross, Troemner, LLC, kmusante@troemner.com
Rouzbeh Nazari, Ph.D., Rowan University, nazari@rowan.edu
Sarah Jane Noll, Chester Township, sjnoll@chestertownship.org
Patrick O'Brien, Borough of Old Tappan, pobrien@oldtappan.net
Ghanshyam Patel, Amneal Pharmaceuticals, Ghanshyamp@amneal.com
Janet Pellichero, Princeton Public Works, jpellichero@princetonnj.gov
Fred Petrone, Atlantic Coast Fibers, fred.petrone@atlanticcoastfibers.com
Annmarie Pinto, Stericycle, Ann.Pinto@Stericycle.com
Robert Pisko, Borough of Teterboro, R PISKO rp161@verizon.net
Matteo Portuesi, Clean Venture Cycle Chem, matteo.portuesi@cyclechem.com
Joseph Puro, National Bulb Recycling, bulbrecycle@optimum.net
Ted Pytlar, D & B Consulting Engineers, tedpytlar@icloud.com
Paul Ritchie, Borough of Carlstadt, bigyellowhead@verizon.net
Don Russell, Borough of Demarest, donrock44@me.com
Gray Russell, Township of Montclair, grussell@montclairnjusa.org
Edward Russick, GTI, erussick@gti-e.com
Gordon Sabol, Waste Management, Gsaboll@wm.com
Kyle D. San Giovanni, University Hospital, sangiova@uhnj.org
Athena Sarafides, NJDEP, Office of Energy and Sustainability, Athena.Sarafides@dep.nj.gov
Nick Saros, Borough of Teterboro, NSAROS@teterboronj.org
Joseph Scarpa, Bogota Borough, admin@bogotaonline.org
John F. Scarpiello, Veolia North America, john.scarpiello@veolia.com
Nina Seiden, Passaic County Solid Waste & Recycling Office, NinaS@passaiccountynj.org
Sheryl Sencaliewicz, NJDEP, Sherylann.senczakiewicz@dep.nj.gov
Abby Sicheri, Lockheed Martin, abby.sicheri@lmco.com
John Soha, Township of Mahwah, JSoha@mahwahtwp.org
Melissa Smith, English Sewage Disposal, Melissa.smith@englishsewage.com
William Spindler, Borough of Hasbrouck Heights, William Spindler
wspindlerhhdpw@gmail.com
Fred Stanger, Middlesex County Division of Solid Waste Management,
Fred.Stanger@co.middlesex.nj.us
David Stires, Township of West Milford, recycling@westmilford.org
Beth Stoudt, Shiseido Group USA, BStoudt@sai.shiseido.com
Bainy Suri, Environmental Consultant, bainysuri@gmail.com
David A. Sutton, Lockheed Martin, david.a.sutton@lmco.com
Edith Tattersall, NJDEP, Bureau of Energy and Sustainability, Edith.Tattersall@dep.nj.gov
Jo-Ann Tamasco, Toyota Logistics Services, JoAnn_Tamasco@toyota.com
Steve Tangorra, Toyota Logistics Services, Steve_Tangorra@toyota.com
Keith Timper, Silver Line Building Products LLC, KeithTimper@slbp.com
Stephen Tyksinski, Lockheed Martin, stephen.p.tyksinski@lmco.com

Mark Vangieri, Bergen County Utilities Authority, mvangieri@bcua.org
Christine Vidal, Morris County Municipal Utilities Authority, cvidal@co.morris.nj.us
Diana Vigilante, Somerset County Division of Solid Waste Management,
Vigilant@co.somerset.nj.us
Toni Wagner, Merck Sharp & Dohme Corp., Antoinette.Wagner@merck.com
Robyn Weisser, West-Ward Pharmaceuticals, rweisser@west-ward.com
Rachel Weisslitz, SBM Site Services, Inc., rweisslitz@sbmcorp.com
Grace Whitney, Stericycle, Grace.Whitney@Stericycle.com
Frederick Wilson, Morris County Municipal Utilities Authority, fwilson@co.morris.nj.us
David Winton, Borough of Lakehurst, lakehurstpw@gmail.com
Gary J. Wohler, PSE&G, Gary.Wohler@pseg.com
Alex Yaworsky, EMEX Power, ayaworsky@gmail.com
Deval Zala, Amneal Pharmaceuticals, Devalz@amneal.com
John Zoller, Shiseido America, Inc., JZoller@sai.shiseido.com
Allan Zozzaro, Atlantic Coast Fibers, allanz@zozzaro.com

SR: Minutes November 5, 2015